



Building knowledge

Job Order Contract Construction Task Catalog®

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Dormitory Authority of the State of New York
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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Dormitory Authority State of New York**, priced locally using current labor, material and equipment costs, and published in August 2021.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Dormitory Authority State of New York**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task;

disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include shop drawings prepared by manufacturers, fabricators, contractors or subcontractors.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- Insurance and bonding.
- Profit.
- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.

- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for unit price tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	----------------------
- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to

lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2

stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within

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or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

- ☑ Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

- ☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot,

GAL – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel	3280	2730	3570

(Average)			
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

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1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.			

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Local Labor/Wage Rates ^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker	80.27
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.01
For Apprentice, Deduct			-16.05
01 22 20 00-0003	HR	Insulator	72.83
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.64
For Apprentice, Deduct			-14.57
01 22 20 00-0004	HR	Boilermaker	80.56
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.03
For Apprentice, Deduct			-16.11
01 22 20 00-0005	HR	Brick Layer	81.43
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.07
For Apprentice, Deduct			-16.29
01 22 20 00-0006	HR	Carpenter	77.33
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.87
For Apprentice, Deduct			-15.47
01 22 20 00-0007	HR	Carpet, Linoleum	77.33
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.87
For Apprentice, Deduct			-15.47
01 22 20 00-0008	HR	Cement Mason	80.20
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.01
For Apprentice, Deduct			-16.04
01 22 20 00-0009	HR	Drywall Finisher	65.81
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.29
For Apprentice, Deduct			-13.16
01 22 20 00-0010	HR	Electrician	81.54
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.08
For Apprentice, Deduct			-16.31
01 22 20 00-0011	HR	Elevator Repair/Maintenance.....	142.06
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			7.10
For Apprentice, Deduct			-28.41
01 22 20 00-0012	HR	Equipment Operator, Heavy (Crane)	86.67
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.33
For Apprentice, Deduct			-17.33
01 22 20 00-0013	HR	Equipment Operator, Medium (Bulldozer)	84.60
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			4.23
For Apprentice, Deduct			-16.92
01 22 20 00-0014	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	78.43
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.92
For Apprentice, Deduct			-15.69
01 22 20 00-0015	HR	Glazier	62.31
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.12
For Apprentice, Deduct			-12.46
01 22 20 00-0016	HR	Laborer	70.49
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
01 22 20 00-0017	HR	Lather	75.02
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.			
For Foreman, Add			3.75
For Apprentice, Deduct			-15.00

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 20 00-0018	HR	Marble Setter	80.95	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	4.05	
		For Apprentice, Deduct	-16.19	
01 22 20 00-0019	HR	Millwright.....	76.28	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.81	
		For Apprentice, Deduct	-15.26	
01 22 20 00-0020	HR	Painter, Ordinary.....	65.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.26	
		For Apprentice, Deduct	-13.02	
01 22 20 00-0021	HR	Painter, Structural Steel.....	73.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.68	
		For Apprentice, Deduct	-14.71	
01 22 20 00-0022	HR	Paperhanger.....	65.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.26	
		For Apprentice, Deduct	-13.02	
01 22 20 00-0023	HR	Pile Drivers	88.36	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	4.42	
		For Apprentice, Deduct	-17.67	
01 22 20 00-0024	HR	Plasterer	65.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.29	
		For Apprentice, Deduct	-13.15	
01 22 20 00-0025	HR	Plumber	78.41	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.92	
		For Apprentice, Deduct	-15.68	
01 22 20 00-0026	HR	Powderman.....	77.61	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.88	
		For Apprentice, Deduct	-15.52	
01 22 20 00-0027	HR	Rodman (Reinforcing)/Ornamental Steel Worker.....	76.54	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.83	
		For Apprentice, Deduct	-15.31	
01 22 20 00-0028	HR	Roofer, Composite.....	70.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.54	
		For Apprentice, Deduct	-14.16	
01 22 20 00-0029	HR	Roofer, Tile/Slate	71.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.55	
		For Apprentice, Deduct	-14.21	
01 22 20 00-0030	HR	Sheet Metal Worker	75.61	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.78	
		For Apprentice, Deduct	-15.12	
01 22 20 00-0031	HR	Sprinkler Installer.....	76.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.83	
		For Apprentice, Deduct	-15.30	
01 22 20 00-0032	HR	Steam / Pipe Fitter	78.41	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.92	
		For Apprentice, Deduct	-15.68	
01 22 20 00-0033	HR	Stone Mason.....	81.43	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	4.07	
		For Apprentice, Deduct	-16.29	
01 22 20 00-0034	HR	Structural Steel Worker.....	81.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	4.05	
		For Apprentice, Deduct	-16.20	
01 22 20 00-0035	HR	Tile Layer	75.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.79	
		For Apprentice, Deduct	-15.17	
01 22 20 00-0036	HR	Terrazzo Worker	75.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.79	
		For Apprentice, Deduct	-15.17	
01 22 20 00-0037	HR	Truck Driver, Light.....	73.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.69	
		For Apprentice, Deduct	-14.76	
01 22 20 00-0038	HR	Truck Driver, Heavy	73.80	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreman, Add	3.69	
		For Apprentice, Deduct	-14.76	

01 22 20 00-0039 Rates For Services (01 22 20)

01 22 20 00-0040	HR	Watch/Guard Person, Unarmed.....	26.70
01 22 20 00-0041	HR	Watch/Guard Person, Armed.....	33.08
01 22 20 00-0042	HR	Estimator.....	90.00

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 20 00-0043	HR	Senior Surveyor (Party Chief).....	93.59	
01 22 20 00-0044	HR	Surveyor (Instrument person)	89.88	
01 22 20 00-0045	HR	Surveyor (Rod Person)	71.03	
01 22 20 00-0046	HR	On-Site Certified Materials Testing Technician.....	74.10	
01 22 20 00-0047	HR	Certified Industrial Hygienist.....	101.35	
01 22 20 00-0048	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.				

01 22 20 00-0049 Rates For Architectural And Engineering Services (01 22 20)

01 22 20 00-0050	HR	Principal Architect.....	212.52	
01 22 20 00-0051	HR	Senior Architect	187.22	
01 22 20 00-0052	HR	Architect.....	142.94	
01 22 20 00-0053	HR	Principal Engineer.....	212.52	
01 22 20 00-0054	HR	Senior Engineer.....	161.92	
01 22 20 00-0055	HR	Engineer.....	129.03	
01 22 20 00-0056	HR	Draft Person.....	76.53	
01 22 20 00-0057	HR	Project Manager	151.80	

01 22 20 00-0058 Rates For Traffic Control (01 22 20)

01 22 20 00-0059	HR	Flagperson For Traffic Control.....	70.49	
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01 22 23 Equipment Usage (01 22)

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0058 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment (01 22 23)

01 22 23 00-0002 Man Lifts (01 22 23 00-0001)

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	354.64	
For Four-Wheel Drive, Add			79.79	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	892.32	
For Four-Wheel Drive, Add			200.77	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,002.00	
For Four-Wheel Drive, Add			450.45	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	520.52	
For Four-Wheel Drive, Add			117.12	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,241.24	
For Four-Wheel Drive, Add			279.28	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	2,717.00	
For Four-Wheel Drive, Add			611.33	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,012.44	
For Four-Wheel Drive, Add			227.80	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	2,453.88	
For Four-Wheel Drive, Add			552.12	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	5,148.00	
For Four-Wheel Drive, Add			1,158.30	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,441.44	
For Four-Wheel Drive, Add			324.32	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	3,470.90	
For Four-Wheel Drive, Add			780.95	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	8,648.64	
For Four-Wheel Drive, Add			1,945.94	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	1,756.04	
For Four-Wheel Drive, Add			395.11	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	4,478.76	
For Four-Wheel Drive, Add			1,007.72	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	10,181.60	
For Four-Wheel Drive, Add			2,290.86	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	335.78	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	842.49	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,026.86	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	427.35	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	934.06	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,318.68	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	549.45	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,269.84	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,838.82	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	958.48	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,258.85	

01 General Requirements
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,493.28
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,862.02
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	4,395.60
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	10,744.80

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	335.78
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	842.49
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,026.86
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	335.78
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	842.49
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,026.86
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	415.14
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	897.44
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,228.32
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	415.14
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	897.44
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,228.32

01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	139.33
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	278.65
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	569.97
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	151.99
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	303.98
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	607.97
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	196.32
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	392.65
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	842.29
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	253.32
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	500.31
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,108.28
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	272.32
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	531.97
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,203.27
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	354.65
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	880.29
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	2,450.87

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	284.98
		<i>For Four-Wheel Drive, Add</i>	57.00
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	557.30
		<i>For Four-Wheel Drive, Add</i>	111.46
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	1,361.60
		<i>For Four-Wheel Drive, Add</i>	272.32
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	291.32
		<i>For Four-Wheel Drive, Add</i>	58.26
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	664.96
		<i>For Four-Wheel Drive, Add</i>	132.99
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	1,456.59
		<i>For Four-Wheel Drive, Add</i>	291.32
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	322.98
		<i>For Four-Wheel Drive, Add</i>	64.60
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	740.96
		<i>For Four-Wheel Drive, Add</i>	148.19
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	1,646.58
		<i>For Four-Wheel Drive, Add</i>	329.32
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	341.98
		<i>For Four-Wheel Drive, Add</i>	68.40
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	797.96
		<i>For Four-Wheel Drive, Add</i>	159.59
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	1,963.23
		<i>For Four-Wheel Drive, Add</i>	392.65
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	639.63
		<i>For Four-Wheel Drive, Add</i>	127.93
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	1,405.93
		<i>For Four-Wheel Drive, Add</i>	281.19
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	3,457.82
		<i>For Four-Wheel Drive, Add</i>	691.56

01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	109.30
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	309.67
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	625.42

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift	151.80	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift	321.82	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift	1,092.96	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift	255.02	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift	619.34	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift	1,809.46	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift	273.24	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift	680.06	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift	2,046.26	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift	145.73	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift	291.46	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift	582.91	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift	145.73	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift	291.46	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift	605.99	

01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator	1,157.54	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator	4,653.38	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator	17,122.63	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator	1,229.72	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator	4,885.40	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator	17,741.35	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator	1,415.34	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator	5,220.54	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator	18,463.19	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator	1,827.82	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator	6,561.10	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator	22,072.39	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator	2,034.06	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator	7,282.94	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0120	MO 85' Bucket Truck With Full-Time Operator	24,650.39	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-0121	Day 105' Bucket Truck With Full-Time Operator	2,137.18	
	<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-0122	WK 105' Bucket Truck With Full-Time Operator	7,592.30	
	<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-0123	MO 105' Bucket Truck With Full-Time Operator	24,897.88	
	<i>For Equipment Without Operator, Deduct</i>	-12,791.59	

01 22 23 00-0124 Air Equipment (01 22 23)

01 22 23 00-0125 Air Compressors (01 22 23 00-0124)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY 100 CFM Diesel Powered Portable Air Compressor	122.01	
01 22 23 00-0127	WK 100 CFM Diesel Powered Portable Air Compressor	366.03	
01 22 23 00-0128	MO 100 CFM Diesel Powered Portable Air Compressor	1,016.75	
01 22 23 00-0129	DAY 130 CFM Diesel Powered Portable Air Compressor	146.41	
01 22 23 00-0130	WK 130 CFM Diesel Powered Portable Air Compressor	431.10	
01 22 23 00-0131	MO 130 CFM Diesel Powered Portable Air Compressor	1,220.10	
01 22 23 00-0132	DAY 185 CFM Diesel Powered Portable Air Compressor	195.22	
01 22 23 00-0133	WK 185 CFM Diesel Powered Portable Air Compressor	439.24	
01 22 23 00-0134	MO 185 CFM Diesel Powered Portable Air Compressor	967.95	
01 22 23 00-0135	DAY 375 CFM Diesel Powered Portable Air Compressor	276.56	
01 22 23 00-0136	WK 375 CFM Diesel Powered Portable Air Compressor	699.52	
01 22 23 00-0137	MO 375 CFM Diesel Powered Portable Air Compressor	1,667.47	
01 22 23 00-0138	DAY 600 CFM Diesel Powered Portable Air Compressor	614.93	
01 22 23 00-0139	WK 600 CFM Diesel Powered Portable Air Compressor	1,480.39	
01 22 23 00-0140	MO 600 CFM Diesel Powered Portable Air Compressor	3,689.58	
01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor	740.19	
01 22 23 00-0142	WK 750 CFM Diesel Powered Portable Air Compressor	1,822.02	
01 22 23 00-0143	MO 750 CFM Diesel Powered Portable Air Compressor	4,473.70	
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor	740.19	
01 22 23 00-0145	WK 825 CFM Diesel Powered Portable Air Compressor	1,822.02	
01 22 23 00-0146	MO 825 CFM Diesel Powered Portable Air Compressor	4,473.70	
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor	862.20	
01 22 23 00-0148	WK 1,300 CFM Diesel Powered Portable Air Compressor	1,932.64	
01 22 23 00-0149	MO 1,300 CFM Diesel Powered Portable Air Compressor	5,153.70	
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,073.69	
01 22 23 00-0151	WK 1,600 CFM Diesel Powered Portable Air Compressor	2,415.80	

01 General Requirements
01 20 Price and Payment Procedures
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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	6,442.13		
01 22 23 00-0153		Compaction And Paving Equipment (01 22 23)			
01 22 23 00-0154		Pavers And Rollers (01 22 23 00-0153) Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0155		Pavers (01 22 23 00-0154)			
01 22 23 00-0156	DAY	10' Wide Paving Machine With Full-Time Operator	3,091.80		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0157	WK	10' Wide Paving Machine With Full-Time Operator	13,044.04		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0158	MO	10' Wide Paving Machine With Full-Time Operator	49,164.76		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0159		Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0154)			
01 22 23 00-0160	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,055.88		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0161	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,435.12		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0162	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,702.55		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0163	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,297.11		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0164	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,923.32		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0165	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,241.81		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0166	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,354.54		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0167	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,285.16		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0168	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	20,252.67		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0169		Static Rollers (01 22 23 00-0154)			
01 22 23 00-0170	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,084.60		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0171	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	4,682.09		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0172	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	18,512.38		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0173	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,210.96		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0174	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	5,026.70		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0175	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	19,465.81		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0176		Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0154)			
01 22 23 00-0177	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,044.39		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0178	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,469.58		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0179	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	17,535.99		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0180	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,119.06		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0181	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	4,687.83		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0182	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	18,104.60		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0183	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,268.39		
		<i>For Equipment Without Operator, Deduct</i>	-676.81		
01 22 23 00-0184	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,124.34		
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06		
01 22 23 00-0185	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	19,259.04		
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24		
01 22 23 00-0186		Steel Roadway Plates (01 22 23 00-0153) Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.			
01 22 23 00-0187	EA	Mobilization of Steel Roadway Plates	362.81		
		Note: Mobilization for each site location.			
01 22 23 00-0188	EA	Placement And Removal Of Steel Roadway Plates	45.65		
01 22 23 00-0189	DAY	1" x 4' x 8' Steel Plate	35.72		
01 22 23 00-0190	WK	1" x 4' x 8' Steel Plate	84.35		
01 22 23 00-0191	MO	1" x 4' x 8' Steel Plate	111.00		
01 22 23 00-0192	DAY	1" x 4' x 10' Steel Plate	47.63		
01 22 23 00-0193	WK	1" x 4' x 10' Steel Plate	107.17		
01 22 23 00-0194	MO	1" x 4' x 10' Steel Plate	130.98		
01 22 23 00-0195	DAY	1" x 5' x 10' Steel Plate	49.62		
01 22 23 00-0196	WK	1" x 5' x 10' Steel Plate	112.13		
01 22 23 00-0197	MO	1" x 5' x 10' Steel Plate	297.69		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0198	DAY	1" x 6' x 8'	Steel Plate	31.75	
01 22 23 00-0199	WK	1" x 6' x 8'	Steel Plate	71.45	
01 22 23 00-0200	MO	1" x 6' x 8'	Steel Plate	190.52	
01 22 23 00-0201	DAY	1" x 6' x 10'	Steel Plate	59.54	
01 22 23 00-0202	WK	1" x 6' x 10'	Steel Plate	78.39	
01 22 23 00-0203	MO	1" x 6' x 10'	Steel Plate	209.38	
01 22 23 00-0204	DAY	1" x 6' x 12'	Steel Plate	83.35	
01 22 23 00-0205	WK	1" x 6' x 12'	Steel Plate	106.67	
01 22 23 00-0206	MO	1" x 6' x 12'	Steel Plate	288.76	
01 22 23 00-0207	DAY	1" x 8' x 10'	Steel Plate	52.59	
01 22 23 00-0208	WK	1" x 8' x 10'	Steel Plate	118.08	
01 22 23 00-0209	MO	1" x 8' x 10'	Steel Plate	314.56	
01 22 23 00-0210	DAY	1" x 8' x 12'	Steel Plate	95.26	
01 22 23 00-0211	WK	1" x 8' x 12'	Steel Plate	118.08	
01 22 23 00-0212	MO	1" x 8' x 12'	Steel Plate	571.56	
01 22 23 00-0213	DAY	1" x 8' x 16'	Steel Plate	127.01	
01 22 23 00-0214	WK	1" x 8' x 16'	Steel Plate	285.78	
01 22 23 00-0215	MO	1" x 8' x 16'	Steel Plate	762.09	
01 22 23 00-0216	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.92	0.88
01 22 23 00-0217	EA		Removal And Resetting Of Steel Roadway Plate	25.36	

01 22 23 00-0218 Earthmoving Equipment (01 22 23)

01 22 23 00-0219 Skid-Steer Loaders (01 22 23 00-0218)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0220	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	871.65	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0221	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	3,777.86	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0222	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	15,137.40	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0223	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	936.02	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0224	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	3,894.34	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0225	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	15,392.85	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0226	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	954.42	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0227	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	4,061.92	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0228	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	15,837.33	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0229	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	204.36	
01 22 23 00-0230	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	679.50	
01 22 23 00-0231	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,808.59	
01 22 23 00-0232	DAY	Forklift Attachment For Skid-Steer Loaders	43.94	
01 22 23 00-0233	WK	Forklift Attachment For Skid-Steer Loaders	117.51	
01 22 23 00-0234	MO	Forklift Attachment For Skid-Steer Loaders	332.08	
01 22 23 00-0235	DAY	Backhoe Attachment For Skid-Steer Loaders	97.07	
01 22 23 00-0236	WK	Backhoe Attachment For Skid-Steer Loaders	232.97	
01 22 23 00-0237	MO	Backhoe Attachment For Skid-Steer Loaders	579.36	
01 22 23 00-0238	DAY	Broom Attachment For Skid-Steer Loaders	96.05	
01 22 23 00-0239	WK	Broom Attachment For Skid-Steer Loaders	260.56	
01 22 23 00-0240	MO	Broom Attachment For Skid-Steer Loaders	689.72	
01 22 23 00-0241	DAY	Concrete Pump Attachment For Skid-Steer Loaders	204.36	
01 22 23 00-0242	WK	Concrete Pump Attachment For Skid-Steer Loaders	679.50	
01 22 23 00-0243	MO	Concrete Pump Attachment For Skid-Steer Loaders	1,808.59	
01 22 23 00-0244	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	83.79	
01 22 23 00-0245	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	230.93	
01 22 23 00-0246	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	630.45	
01 22 23 00-0247	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	23.09	
01 22 23 00-0248	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	60.42	
01 22 23 00-0249	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	177.70	
01 22 23 00-0250	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	31.09	
01 22 23 00-0251	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	77.30	
01 22 23 00-0252	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	231.02	
01 22 23 00-0253	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	45.31	
01 22 23 00-0254	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	137.73	
01 22 23 00-0255	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	408.72	
01 22 23 00-0256	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	9.20	
01 22 23 00-0257	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	21.46	
01 22 23 00-0258	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	57.22	

01 22 23 00-0259 Bulldozers (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0260	DAY	70 HP, D3 Bulldozer With Full-Time Operator	993.09	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0261	WK	70 HP, D3 Bulldozer With Full-Time Operator	4,631.27	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0262	MO	70 HP, D3 Bulldozer With Full-Time Operator	18,364.09	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0263	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,142.27	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0264	WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,233.98	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0265	MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	20,214.02	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0266	DAY 140 HP, D6 Bulldozer With Full-Time Operator	1,565.97	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0267	WK 140 HP, D6 Bulldozer With Full-Time Operator	6,928.76	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0268	MO 140 HP, D6 Bulldozer With Full-Time Operator	25,286.39	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0269	DAY 200 HP, D7 Bulldozer With Full-Time Operator	1,941.92	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0270	WK 200 HP, D7 Bulldozer With Full-Time Operator	8,438.53	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0271	MO 200 HP, D7 Bulldozer With Full-Time Operator	29,821.69	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0272	DAY 335 HP, D8 Bulldozer With Full-Time Operator	2,389.48	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0273	WK 335 HP, D8 Bulldozer With Full-Time Operator	10,228.78	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0274	MO 335 HP, D8 Bulldozer With Full-Time Operator	35,192.44	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0275	DAY 460 HP, D9 Bulldozer With Full-Time Operator	2,640.12	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0276	WK 460 HP, D9 Bulldozer With Full-Time Operator	11,225.36	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0277	MO 460 HP, D9 Bulldozer With Full-Time Operator	38,176.19	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	

01 22 23 00-0278 Hydraulic Excavators (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0279	DAY 3/8 CY Hydraulic Excavator With Full-Time Operator	1,001.84	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0280	WK 3/8 CY Hydraulic Excavator With Full-Time Operator	4,533.69	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0281	MO 3/8 CY Hydraulic Excavator With Full-Time Operator	18,516.40	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0282	DAY 1/2 CY Hydraulic Excavator With Full-Time Operator	1,093.32	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0283	WK 1/2 CY Hydraulic Excavator With Full-Time Operator	4,936.96	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0284	MO 1/2 CY Hydraulic Excavator With Full-Time Operator	20,129.49	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0285	DAY 5/8 CY Hydraulic Excavator With Full-Time Operator	1,122.22	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0286	WK 5/8 CY Hydraulic Excavator With Full-Time Operator	5,087.44	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0287	MO 5/8 CY Hydraulic Excavator With Full-Time Operator	20,394.33	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0288	DAY 3/4 CY Hydraulic Excavator With Full-Time Operator	1,152.31	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0289	WK 3/4 CY Hydraulic Excavator With Full-Time Operator	5,225.87	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0290	MO 3/4 CY Hydraulic Excavator With Full-Time Operator	20,659.16	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0291	DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,176.39	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0292	WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	5,370.33	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0293	MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	20,924.00	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0294	DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,501.41	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0295	WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	6,664.42	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0296	MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	24,505.30	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0297	DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	1,549.57	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0298	WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	6,875.08	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0299	MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	25,137.30	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0300	DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	1,639.85	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0301	WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	7,236.22	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0302	MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	26,220.72	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0303	DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	1,742.17	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0304	WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	7,639.49	
	<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0305	MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	27,424.52	
	<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0306	DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	1,772.27	
	<i>For Equipment Without Operator, Deduct</i>	-676.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0307	WK	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,759.87 -3,384.06	
01 22 23 00-0308	MO	2-1/2 To 2-7/8 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	27,785.66 -14,664.24	
01 22 23 00-0309	DAY	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,601.18 -676.81	
01 22 23 00-0310	WK	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,921.54 -3,384.06	
01 22 23 00-0311	MO	3 To 3-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,276.68 -14,664.24	
01 22 23 00-0312	DAY	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,476.49 -676.81	
01 22 23 00-0313	WK	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,570.75 -3,384.06	
01 22 23 00-0314	MO	4 To 5-3/4 CY	Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	36,212.26 -14,664.24	
01 22 23 00-0315	DAY	Thumbs Or Grapple Attachment	For Hydraulic Excavators	84.27	
01 22 23 00-0316	WK	Thumbs Or Grapple Attachment	For Hydraulic Excavators	325.03	
01 22 23 00-0317	MO	Thumbs Or Grapple Attachment	For Hydraulic Excavators	963.04	
01 22 23 00-0318	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	373.18	
01 22 23 00-0319	WK	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	987.12	
01 22 23 00-0320	MO	1,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	2,762.72	
01 22 23 00-0321	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	577.82	
01 22 23 00-0322	WK	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	1,474.66	
01 22 23 00-0323	MO	1,500 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	3,834.10	
01 22 23 00-0324	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	806.55	
01 22 23 00-0325	WK	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	2,172.86	
01 22 23 00-0326	MO	3,000 Ft-Lb Hydraulic Hammer Attachment	For Hydraulic Excavators	6,091.23	
01 22 23 00-0327	DAY	24" Compaction Wheel Attachment	For Hydraulic Excavators	168.53	
01 22 23 00-0328	WK	24" Compaction Wheel Attachment	For Hydraulic Excavators	674.13	
01 22 23 00-0329	MO	24" Compaction Wheel Attachment	For Hydraulic Excavators	2,022.38	
01 22 23 00-0330	DAY	36" Compaction Wheel Attachment	For Hydraulic Excavators	240.76	
01 22 23 00-0331	WK	36" Compaction Wheel Attachment	For Hydraulic Excavators	963.04	
01 22 23 00-0332	MO	36" Compaction Wheel Attachment	For Hydraulic Excavators	2,889.12	
01 22 23 00-0333	DAY	48" Compaction Wheel Attachment	For Hydraulic Excavators	264.84	
01 22 23 00-0334	WK	48" Compaction Wheel Attachment	For Hydraulic Excavators	1,047.31	
01 22 23 00-0335	MO	48" Compaction Wheel Attachment	For Hydraulic Excavators	3,129.88	

01 22 23 00-0336 Loader-Backhoes With Standard Bucket (01 22 23 00-02 18)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0337	DAY	1/2 To 5/8 CY, 65 HP,	Loader-Backhoe With Standard Bucket And Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,023.34 -676.81	
01 22 23 00-0338	WK	1/2 To 5/8 CY, 65 HP,	Loader-Backhoe With Standard Bucket And Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,207.06 -3,384.06	
01 22 23 00-0339	MO	1/2 To 5/8 CY, 65 HP,	Loader-Backhoe With Standard Bucket And Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,601.08 -14,664.24	
01 22 23 00-0340	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,060.47 -676.81	
01 22 23 00-0341	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,337.01 -3,384.06	
01 22 23 00-0342	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,393.15 -14,664.24	
01 22 23 00-0343	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,117.71 -676.81	
01 22 23 00-0344	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,479.34 -3,384.06	
01 22 23 00-0345	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,801.56 -14,664.24	
01 22 23 00-0346	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,372.96 -676.81	
01 22 23 00-0347	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,240.46 -3,384.06	
01 22 23 00-0348	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP,	Loader-Backhoe With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,979.73 -14,664.24	

01 22 23 00-0349 Heavy Duty Construction Loaders (01 22 23 00-02 18)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0350	DAY	2-1/2 CY, 119 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,131.81 -676.81	
01 22 23 00-0351	WK	2-1/2 CY, 119 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,183.06 -3,384.06	
01 22 23 00-0352	MO	2-1/2 CY, 119 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,054.24 -14,664.24	
01 22 23 00-0353	DAY	3 CY, 135 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,509.81 -676.81	
01 22 23 00-0354	WK	3 CY, 135 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,596.06 -3,384.06	
01 22 23 00-0355	MO	3 CY, 135 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,264.24 -14,664.24	
01 22 23 00-0356	DAY	3-1/2 CY, 198 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,593.81 -676.81	
01 22 23 00-0357	WK	3-1/2 CY, 198 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,820.06 -3,384.06	
01 22 23 00-0358	MO	3-1/2 CY, 198 HP,	Heavy Duty Construction Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,824.24 -14,664.24	

01 General Requirements
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0359	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,824.81	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0360	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	6,429.06	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0361	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	22,364.24	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0362	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,419.81	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0363	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,342.06	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0364	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	35,524.24	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0365	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,339.74	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0366	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	21,772.86	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0367	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	64,778.71	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	

01 22 23 00-0368 Shoring (01 22 23 00-0218)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0369 Aluminum Hydraulic Shoring (01 22 23 00-0368)

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0370	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	68.65	
		Note: Up to 88" spread width.		
01 22 23 00-0371	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	202.49	
		Note: Up to 88" spread width.		
01 22 23 00-0372	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	92.09	
		Note: Up to 88" spread width.		
01 22 23 00-0373	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	271.64	
		Note: Up to 88" spread width.		
01 22 23 00-0374	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	170.77	
		Note: Up to 88" spread width.		
01 22 23 00-0375	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	503.76	
		Note: Up to 88" spread width.		
01 22 23 00-0376	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	22.28	
01 22 23 00-0377	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	35.65	
01 22 23 00-0378	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	59.42	

01 22 23 00-0379 Trench Boxes/Trench Shields (01 22 23 00-0218)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0380	WK	4' x 6' Trench Box With Up To 48" Spreaders	175.09	
01 22 23 00-0381	MO	4' x 6' Trench Box With Up To 48" Spreaders	525.26	
01 22 23 00-0382	WK	6' x 6' Trench Box With Up To 48" Spreaders	197.68	
01 22 23 00-0383	MO	6' x 6' Trench Box With Up To 48" Spreaders	593.04	
01 22 23 00-0384	WK	8' x 6' Trench Box With Up To 48" Spreaders	208.98	
01 22 23 00-0385	MO	8' x 6' Trench Box With Up To 48" Spreaders	626.93	
01 22 23 00-0386	WK	4' x 8' Trench Box With Up To 48" Spreaders	192.03	
01 22 23 00-0387	MO	4' x 8' Trench Box With Up To 48" Spreaders	576.10	
01 22 23 00-0388	WK	6' x 8' Trench Box With Up To 48" Spreaders	225.92	
01 22 23 00-0389	MO	6' x 8' Trench Box With Up To 48" Spreaders	677.76	
01 22 23 00-0390	WK	8' x 8' Trench Box With Up To 48" Spreaders	254.16	
01 22 23 00-0391	MO	8' x 8' Trench Box With Up To 48" Spreaders	762.48	
01 22 23 00-0392	WK	4' x 10' Trench Box With Up To 48" Spreaders	214.62	
01 22 23 00-0393	MO	4' x 10' Trench Box With Up To 48" Spreaders	643.87	
01 22 23 00-0394	WK	6' x 10' Trench Box With Up To 48" Spreaders	254.16	
01 22 23 00-0395	MO	6' x 10' Trench Box With Up To 48" Spreaders	762.48	
01 22 23 00-0396	WK	8' x 10' Trench Box With Up To 48" Spreaders	310.64	
01 22 23 00-0397	MO	8' x 10' Trench Box With Up To 48" Spreaders	926.27	
01 22 23 00-0398	WK	4' x 12' Trench Box With Up To 48" Spreaders	254.16	
01 22 23 00-0399	MO	4' x 12' Trench Box With Up To 48" Spreaders	762.48	
01 22 23 00-0400	WK	6' x 12' Trench Box With Up To 48" Spreaders	310.64	
01 22 23 00-0401	MO	6' x 12' Trench Box With Up To 48" Spreaders	931.92	
01 22 23 00-0402	WK	8' x 12' Trench Box With Up To 48" Spreaders	395.36	
01 22 23 00-0403	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,186.08	
01 22 23 00-0404	WK	4' x 14' Trench Box With Up To 48" Spreaders	282.40	
01 22 23 00-0405	MO	4' x 14' Trench Box With Up To 48" Spreaders	847.20	
01 22 23 00-0406	WK	6' x 14' Trench Box With Up To 48" Spreaders	367.12	
01 22 23 00-0407	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,101.36	
01 22 23 00-0408	WK	8' x 14' Trench Box With Up To 48" Spreaders	451.84	
01 22 23 00-0409	MO	8' x 14' Trench Box With Up To 48" Spreaders	1,355.52	
01 22 23 00-0410	WK	4' x 16' Trench Box With Up To 48" Spreaders	310.64	
01 22 23 00-0411	MO	4' x 16' Trench Box With Up To 48" Spreaders	931.92	
01 22 23 00-0412	WK	6' x 16' Trench Box With Up To 48" Spreaders	423.60	
01 22 23 00-0413	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,270.80	
01 22 23 00-0414	WK	8' x 16' Trench Box With Up To 48" Spreaders	508.32	
01 22 23 00-0415	MO	8' x 16' Trench Box With Up To 48" Spreaders	1,524.96	
01 22 23 00-0416	WK	4' x 20' Trench Box With Up To 48" Spreaders	367.12	
01 22 23 00-0417	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,101.36	
01 22 23 00-0418	WK	6' x 20' Trench Box With Up To 48" Spreaders	508.32	
01 22 23 00-0419	MO	6' x 20' Trench Box With Up To 48" Spreaders	1,524.96	
01 22 23 00-0420	WK	8' x 20' Trench Box With Up To 48" Spreaders	593.04	
01 22 23 00-0421	MO	8' x 20' Trench Box With Up To 48" Spreaders	1,779.12	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0422	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	508.32	
01 22 23 00-0423	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,524.96	
01 22 23 00-0424	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	621.28	
01 22 23 00-0425	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,863.84	
01 22 23 00-0426	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	677.76	
01 22 23 00-0427	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	2,033.28	
01 22 23 00-0428	WK	For Spreaders >48" To 84", Add.....	16.94	
01 22 23 00-0429	MO	For Spreaders >48" To 84", Add.....	50.83	
01 22 23 00-0430	WK	For Spreaders >84" To 120", Add.....	101.66	
01 22 23 00-0431	MO	For Spreaders >84" To 120", Add.....	304.99	
01 22 23 00-0432	WK	For Spreaders >120", Add.....	214.62	
01 22 23 00-0433	MO	For Spreaders >120", Add.....	643.87	
01 22 23 00-0434	WK	8' x 4' Manhole Box.....	266.87	
01 22 23 00-0435	MO	8' x 4' Manhole Box.....	800.60	
01 22 23 00-0436	WK	8' x 8' Manhole Box.....	381.24	
01 22 23 00-0437	MO	8' x 8' Manhole Box.....	1,143.72	

01 22 23 00-0438 Trenchers (01 22 23 00-02 18)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0439	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	950.94	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0440	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	4,317.81	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0441	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	17,234.19	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	
01 22 23 00-0442	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,413.53	
		<i>For Equipment Without Operator, Deduct</i>	-676.81	
01 22 23 00-0443	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,876.91	
		<i>For Equipment Without Operator, Deduct</i>	-3,384.06	
01 22 23 00-0444	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	21,517.44	
		<i>For Equipment Without Operator, Deduct</i>	-14,664.24	

01 22 23 00-0445 Heavy Equipment (Wood Ground Protection) Mats (01 22 23 00-02 18)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0218 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0446	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.95	
01 22 23 00-0447	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	42.24	
01 22 23 00-0448	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	89.76	
01 22 23 00-0449	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	20.06	
01 22 23 00-0450	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	47.52	
01 22 23 00-0451	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	100.32	
01 22 23 00-0452	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	22.18	
01 22 23 00-0453	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	52.80	
01 22 23 00-0454	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	110.88	
01 22 23 00-0455	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	24.29	
01 22 23 00-0456	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	57.83	
01 22 23 00-0457	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	121.44	
01 22 23 00-0458	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	19.01	
01 22 23 00-0459	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	52.80	
01 22 23 00-0460	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	95.04	
01 22 23 00-0461	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	22.18	
01 22 23 00-0462	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	52.80	
01 22 23 00-0463	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	110.88	
01 22 23 00-0464	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	26.40	
01 22 23 00-0465	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	58.08	
01 22 23 00-0466	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	132.00	
01 22 23 00-0467	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	28.51	
01 22 23 00-0468	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	67.89	
01 22 23 00-0469	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	142.56	
01 22 23 00-0470	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.62	
01 22 23 00-0471	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	72.91	
01 22 23 00-0472	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	153.12	
01 22 23 00-0473	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	31.68	
01 22 23 00-0474	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	75.43	
01 22 23 00-0475	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	158.40	
01 22 23 00-0476	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	10.16	
01 22 23 00-0477	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	25.40	
01 22 23 00-0478	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	76.19	
01 22 23 00-0479	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.14	
01 22 23 00-0480	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	30.36	
01 22 23 00-0481	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	91.08	
01 22 23 00-0482	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.87	
01 22 23 00-0483	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	34.67	
01 22 23 00-0484	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	104.02	
01 22 23 00-0485	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.78	
01 22 23 00-0486	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.96	
01 22 23 00-0487	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	110.88	
01 22 23 00-0488	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.90	
01 22 23 00-0489	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	42.24	
01 22 23 00-0490	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	126.72	
01 22 23 00-0491	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.42	
01 22 23 00-0492	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	48.54	
01 22 23 00-0493	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	145.62	

01 General Requirements
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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
01 22 23 00-0494	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	14.94	
01 22 23 00-0495	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	37.35	
01 22 23 00-0496	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	112.04	
01 22 23 00-0497	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	20.23	
01 22 23 00-0498	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	50.56	
01 22 23 00-0499	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	151.69	
01 22 23 00-0500	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	17.49	
01 22 23 00-0501	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	43.72	
01 22 23 00-0502	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	131.16	
01 22 23 00-0503	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	29.17	
01 22 23 00-0504	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	72.91	
01 22 23 00-0505	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	218.74	
01 22 23 00-0506	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	31.09	
01 22 23 00-0507	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	77.72	
01 22 23 00-0508	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	.....	233.16	
01 22 23 00-0509		Electrical Equipment <small>(01 22 23)</small>			
01 22 23 00-0510		Trailer Mounted Floodlights <small>(01 22 23 00-0509)</small>			
		Note: Includes delivery to job site and pick-up when complete. Excludes operator.			
01 22 23 00-0511	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	.....	142.17	
01 22 23 00-0512	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	.....	315.26	
01 22 23 00-0513	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	.....	679.96	
01 22 23 00-0514		Tripod Mounted Floodlights <small>(01 22 23 00-0509)</small>			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0515	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	50.69	
01 22 23 00-0516	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	119.92	
01 22 23 00-0517	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	253.44	
01 22 23 00-0518	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	50.69	
01 22 23 00-0519	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	148.36	
01 22 23 00-0520	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	438.89	
01 22 23 00-0521	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	56.87	
01 22 23 00-0522	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	154.54	
01 22 23 00-0523	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	.....	377.07	
01 22 23 00-0524		Generator Sets <small>(01 22 23 00-0509)</small>			
01 22 23 00-0525		Portable, Gas Or Diesel Powered Generator Sets <small>(01 22 23 00-0524)</small>			
		Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.			
01 22 23 00-0526	DAY	3.6 KW, 8 HP Gas Powered Generator Set	.....	51.87	
		For LP Or NG Gas, Add		6.48	
		For >160 To 320 Hours Usage Per Month, Add		25.94	
01 22 23 00-0527	WK	3.6 KW, 8 HP Gas Powered Generator Set	.....	186.96	
		For LP Or NG Gas, Add		23.37	
01 22 23 00-0528	MO	3.6 KW, 8 HP Gas Powered Generator Set	.....	518.67	
		For LP Or NG Gas, Add		64.83	
01 22 23 00-0529	DAY	5 KW, 11 HP Gas Powered Generator Set	.....	73.58	
		For LP Or NG Gas, Add		9.20	
01 22 23 00-0530	WK	5 KW, 11 HP Gas Powered Generator Set	.....	235.21	
		For LP Or NG Gas, Add		29.40	
01 22 23 00-0531	MO	5 KW, 11 HP Gas Powered Generator Set	.....	536.76	
		For LP Or NG Gas, Add		67.10	
01 22 23 00-0532	DAY	6.5 KW, 13 HP Gas Powered Generator Set	.....	94.08	
		For LP Or NG Gas, Add		11.76	
01 22 23 00-0533	WK	6.5 KW, 13 HP Gas Powered Generator Set	.....	253.30	
		For LP Or NG Gas, Add		31.66	
01 22 23 00-0534	MO	6.5 KW, 13 HP Gas Powered Generator Set	.....	699.60	
		For LP Or NG Gas, Add		87.45	
01 22 23 00-0535	DAY	10 KW, 18 HP Gas Powered Generator Set	.....	104.94	
		For LP Or NG Gas, Add		13.12	
01 22 23 00-0536	WK	10 KW, 18 HP Gas Powered Generator Set	.....	283.46	
		For LP Or NG Gas, Add		35.43	
01 22 23 00-0537	MO	10 KW, 18 HP Gas Powered Generator Set	.....	814.18	
		For LP Or NG Gas, Add		101.77	
01 22 23 00-0538		Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0524)</small>			
		Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.			
01 22 23 00-0539	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	.....	215.91	
		Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add		107.96	
		For >16 To 24 Hours Usage Per Day, Add		215.91	
01 22 23 00-0540	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set	.....	564.50	
		Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add		282.25	
		For >80 Hours Usage Per Week, Add		564.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0541	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	1,537.90 768.95 1,537.90	
01 22 23 00-0542	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	354.42 177.21 354.42	
01 22 23 00-0543	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,051.84 525.92 1,051.84	
01 22 23 00-0544	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	2,172.27 1,086.14 2,172.27	
01 22 23 00-0545	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	388.72 194.36 388.72	
01 22 23 00-0546	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,086.14 543.07 1,086.14	
01 22 23 00-0547	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	2,400.93 1,200.47 2,400.93	
01 22 23 00-0548	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	417.30 208.65 417.30	
01 22 23 00-0549	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,143.30 571.65 1,143.30	
01 22 23 00-0550	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	2,743.92 1,371.96 2,743.92	
01 22 23 00-0551	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	457.32 228.66 457.32	
01 22 23 00-0552	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,297.65 648.83 1,297.65	
01 22 23 00-0553	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	3,086.91 1,543.46 3,086.91	
01 22 23 00-0554	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	514.48 257.24 514.48	
01 22 23 00-0555	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,371.96 685.98 1,371.96	
01 22 23 00-0556	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	3,429.90 1,714.95 3,429.90	
01 22 23 00-0557	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	531.63 265.82 531.63	
01 22 23 00-0558	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,429.12 714.56 1,429.12	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0559	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	3,887.22 1,943.61 3,887.22	
01 22 23 00-0560	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	600.23 300.12 600.23	
01 22 23 00-0561	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,657.78 828.89 1,657.78	
01 22 23 00-0562	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	4,458.87 2,229.44 4,458.87	
01 22 23 00-0563	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	628.82 314.41 628.82	
01 22 23 00-0564	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,743.53 871.77 1,743.53	
01 22 23 00-0565	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	4,916.19 2,458.10 4,916.19	
01 22 23 00-0566	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	657.40 328.70 657.40	
01 22 23 00-0567	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,886.44 943.22 1,886.44	
01 22 23 00-0568	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	5,144.85 2,572.43 5,144.85	
01 22 23 00-0569	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	685.98 342.99 685.98	
01 22 23 00-0570	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,000.78 1,000.39 2,000.78	
01 22 23 00-0571	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	5,373.51 2,686.76 5,373.51	
01 22 23 00-0572	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	685.98 342.99 685.98	
01 22 23 00-0573	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,000.78 1,000.39 2,000.78	
01 22 23 00-0574	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	5,373.51 2,686.76 5,373.51	
01 22 23 00-0575	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	943.22 471.61 943.22	
01 22 23 00-0576	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,343.76 1,171.88 2,343.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0577	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	6,859.80 3,429.90 6,859.80	
01 22 23 00-0578	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,000.39 500.20 1,000.39	
01 22 23 00-0579	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,400.93 1,200.47 2,400.93	
01 22 23 00-0580	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	7,088.46 3,544.23 7,088.46	
01 22 23 00-0581	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,057.55 528.78 1,057.55	
01 22 23 00-0582	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,458.10 1,229.05 2,458.10	
01 22 23 00-0583	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	7,317.12 3,658.56 7,317.12	
01 22 23 00-0584	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,091.85 545.93 1,091.85	
01 22 23 00-0585	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,629.59 1,314.80 2,629.59	
01 22 23 00-0586	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	7,774.44 3,887.22 7,774.44	
01 22 23 00-0587	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,143.30 571.65 1,143.30	
01 22 23 00-0588	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,972.58 1,486.29 2,972.58	
01 22 23 00-0589	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	8,574.75 4,287.38 8,574.75	
01 22 23 00-0590	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,456.30 728.15 1,456.30	
01 22 23 00-0591	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	3,765.22 1,882.61 3,765.22	
01 22 23 00-0592	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	9,957.60 4,978.80 9,957.60	
01 22 23 00-0593	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,867.05 933.53 1,867.05	
01 22 23 00-0594	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	4,854.33 2,427.17 4,854.33	

01 General Requirements
01 20 Price and Payment Procedures
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0595	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	11,202.30	
			Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	5,601.15	
			For >320 Hours Usage Per Month, Add	11,202.30	
01 22 23 00-0596	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,308.92	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	1,154.46	
			For >16 To 24 Hours Usage Per Day, Add	2,308.92	
01 22 23 00-0597	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	6,099.03	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	3,049.52	
			For >80 Hours Usage Per Week, Add	6,099.03	
01 22 23 00-0598	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	14,936.40	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	7,468.20	
			For >320 Hours Usage Per Month, Add	14,936.40	
01 22 23 00-0599	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,495.62	
			Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	1,247.81	
			For >16 To 24 Hours Usage Per Day, Add	2,495.62	
01 22 23 00-0600	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,750.51	
			Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	2,875.26	
			For >80 Hours Usage Per Week, Add	5,750.51	
01 22 23 00-0601	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	17,251.54	
			Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	8,625.77	
			For >320 Hours Usage Per Month, Add	17,251.54	
01 22 23 00-0602	EA		Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	803.99	
01 22 23 00-0603	EA		350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,264.99	
01 22 23 00-0604			Cabling For Generator Sets (01 22 23 00-0524)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0605	DAY		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	25.15	
01 22 23 00-0606	WK		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	44.02	
01 22 23 00-0607	MO		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	132.05	
01 22 23 00-0608	DAY		50', 4/0 Cable With Camlock Ends For Generator Set.....	12.58	
01 22 23 00-0609	WK		50', 4/0 Cable With Camlock Ends For Generator Set.....	36.59	
01 22 23 00-0610	MO		50', 4/0 Cable With Camlock Ends For Generator Set.....	101.75	
01 22 23 00-0611			Resistive Loadbanks For Generator Sets (01 22 23 00-0524)		
			Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.		
01 22 23 00-0612	DAY		100 KW A/C Resistive Loadbank.....	319.58	
01 22 23 00-0613	WK		100 KW A/C Resistive Loadbank.....	788.76	
01 22 23 00-0614	MO		100 KW A/C Resistive Loadbank.....	2,359.48	
01 22 23 00-0615	DAY		650 KW A/C Resistive Loadbank.....	538.53	
01 22 23 00-0616	WK		650 KW A/C Resistive Loadbank.....	1,440.17	
01 22 23 00-0617	MO		650 KW A/C Resistive Loadbank.....	3,671.81	
01 22 23 00-0618			Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0524)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0619	DAY		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	61.74	
01 22 23 00-0620	WK		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	160.06	
01 22 23 00-0621	MO		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	451.60	
01 22 23 00-0622			Portable Distribution Panels For Generator Sets (01 22 23 00-0524)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0623	DAY		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	137.20	
01 22 23 00-0624	WK		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	371.57	
01 22 23 00-0625	MO		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,040.40	
01 22 23 00-0626	DAY		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	112.04	
01 22 23 00-0627	WK		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	291.54	
01 22 23 00-0628	MO		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	828.89	
01 22 23 00-0629	DAY		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	142.91	
01 22 23 00-0630	WK		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	360.14	
01 22 23 00-0631	MO		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	977.52	
01 22 23 00-0632			Fuel Reimbursement For Generators (01 22 23 00-0524)		
01 22 23 00-0633	EA		Fuel Reimbursement For Generators.....	1.00	
			Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0634	Welding Machines (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0635	Diesel Powered Towable Welding Machines (01 22 23 00-0634) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0636	DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine	120.98	
01 22 23 00-0637	WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine	295.72	
01 22 23 00-0638	MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine	705.70	
01 22 23 00-0639	DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	161.30	
01 22 23 00-0640	WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine	315.89	
01 22 23 00-0641	MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine	737.97	
01 22 23 00-0642	DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	168.02	
01 22 23 00-0643	WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine	336.05	
01 22 23 00-0644	MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine	819.96	
01 22 23 00-0645	Portable Floor Drying Fans (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0646	DAY 2,250 CFM Portable Floor Drying Fan	21.48	
01 22 23 00-0647	WK 2,250 CFM Portable Floor Drying Fan	99.37	
01 22 23 00-0648	MO 2,250 CFM Portable Floor Drying Fan	328.99	
01 22 23 00-0649	Portable Fume Extractors (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0650	DAY Portable Fume Extractor	22.47	
01 22 23 00-0651	WK Portable Fume Extractor	67.42	
01 22 23 00-0652	General Equipment (01 22 23)		
01 22 23 00-0653	Jacks And Bracing (01 22 23 00-0652) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0654	Manual Hydraulic Jacks (01 22 23 00-0653)		
01 22 23 00-0655	DAY 12 Ton Manual Hydraulic Bottle Jack	1.67	
01 22 23 00-0656	WK 12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0657	MO 12 Ton Manual Hydraulic Bottle Jack	28.50	
01 22 23 00-0658	DAY 20 Ton Manual Hydraulic Bottle Jack	2.92	
01 22 23 00-0659	WK 20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0660	MO 20 Ton Manual Hydraulic Bottle Jack	34.76	
01 22 23 00-0661	DAY 50 Ton Manual Hydraulic Bottle Jack	10.43	
01 22 23 00-0662	WK 50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0663	MO 50 Ton Manual Hydraulic Bottle Jack	145.66	
01 22 23 00-0664	DAY 100 Ton Manual Hydraulic Bottle Jack	14.61	
01 22 23 00-0665	WK 100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0666	MO 100 Ton Manual Hydraulic Bottle Jack	210.46	
01 22 23 00-0667	Manual Screw Jacks (01 22 23 00-0653)		
01 22 23 00-0668	DAY 10 To 20 Ton Manual Screw Jack	18.92	
01 22 23 00-0669	WK 10 To 20 Ton Manual Screw Jack	50.94	
01 22 23 00-0670	MO 10 To 20 Ton Manual Screw Jack	141.16	
01 22 23 00-0671	Pressure Washers (01 22 23 00-0652) Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0672	DAY 2,000 PSI Pressure Washer With Full-Time Operator	682.80	
	<i>For Equipment Without Operator, Deduct</i>	-563.91	
01 22 23 00-0673	WK 2,000 PSI Pressure Washer With Full-Time Operator	3,121.34	
	<i>For Equipment Without Operator, Deduct</i>	-2,819.54	
01 22 23 00-0674	MO 2,000 PSI Pressure Washer With Full-Time Operator	12,986.25	
	<i>For Equipment Without Operator, Deduct</i>	-12,218.03	
01 22 23 00-0675	DAY 2,500 PSI Pressure Washer With Full-Time Operator	669.09	
	<i>For Equipment Without Operator, Deduct</i>	-563.91	
01 22 23 00-0676	WK 2,500 PSI Pressure Washer With Full-Time Operator	3,086.53	
	<i>For Equipment Without Operator, Deduct</i>	-2,819.54	
01 22 23 00-0677	MO 2,500 PSI Pressure Washer With Full-Time Operator	12,897.63	
	<i>For Equipment Without Operator, Deduct</i>	-12,218.03	
01 22 23 00-0678	DAY 3,000 PSI Pressure Washer With Full-Time Operator	682.80	
	<i>For Equipment Without Operator, Deduct</i>	-563.91	
01 22 23 00-0679	WK 3,000 PSI Pressure Washer With Full-Time Operator	3,121.34	
	<i>For Equipment Without Operator, Deduct</i>	-2,819.54	
01 22 23 00-0680	MO 3,000 PSI Pressure Washer With Full-Time Operator	12,986.25	
	<i>For Equipment Without Operator, Deduct</i>	-12,218.03	
01 22 23 00-0681	DAY 3,500 PSI Pressure Washer With Full-Time Operator	677.18	
	<i>For Equipment Without Operator, Deduct</i>	-563.91	
01 22 23 00-0682	WK 3,500 PSI Pressure Washer With Full-Time Operator	3,110.80	
	<i>For Equipment Without Operator, Deduct</i>	-2,819.54	
01 22 23 00-0683	MO 3,500 PSI Pressure Washer With Full-Time Operator	12,962.36	
	<i>For Equipment Without Operator, Deduct</i>	-12,218.03	
01 22 23 00-0684	DAY 4,000 PSI Pressure Washer With Full-Time Operator	728.53	
	<i>For Equipment Without Operator, Deduct</i>	-563.91	
01 22 23 00-0685	WK 4,000 PSI Pressure Washer With Full-Time Operator	3,267.67	
	<i>For Equipment Without Operator, Deduct</i>	-2,819.54	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0686	MO		4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,470.96 -12,218.03	
01 22 23 00-0687	DAY		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	725.72 -563.91	
01 22 23 00-0688	WK		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,256.43 -2,819.54	
01 22 23 00-0689	MO		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,447.79 -12,218.03	
01 22 23 00-0690	Confined Space Entry Equipment (01 22 23 00-0652) Note: Includes delivery to job site, set-up, and pick-up when complete.				
01 22 23 00-0691	DAY		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	34.96	
01 22 23 00-0692	WK		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	104.88	
01 22 23 00-0693	MO		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	312.98	
01 22 23 00-0694	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	44.26	
01 22 23 00-0695	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	132.77	
01 22 23 00-0696	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	398.32	
01 22 23 00-0697	DAY		Confined Space Air Monitor Personnel Note: Per person day.	627.44	
01 22 23 00-0698	Ground Thaw Mobile Equipment And Blankets (01 22 23 00-0652) Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.				
01 22 23 00-0699	DAY		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	578.68	
01 22 23 00-0700	WK		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	1,920.51	
01 22 23 00-0701	MO		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	6,807.82	
01 22 23 00-0702	DAY		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	1,075.82	
01 22 23 00-0703	WK		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	2,843.36	
01 22 23 00-0704	MO		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	7,287.82	
01 22 23 00-0705	DAY		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	1,311.53	
01 22 23 00-0706	WK		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	3,557.65	
01 22 23 00-0707	MO		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	7,854.71	
01 22 23 00-0708	DAY		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	1,642.70	
01 22 23 00-0709	WK		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	3,871.93	
01 22 23 00-0710	MO		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	10,287.82	
01 22 23 00-0711	DAY		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	2,054.39	
01 22 23 00-0712	WK		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	4,909.08	
01 22 23 00-0713	MO		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	11,146.39	
01 22 23 00-0714	CSF		Place Hoses And Blankets Over Area Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.	28.53	
01 22 23 00-0715	Space Heaters (01 22 23 00-0652) Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.				
01 22 23 00-0716	DAY		150,000 BTU/Hour Space Heater	64.37	
01 22 23 00-0717	WK		150,000 BTU/Hour Space Heater	185.06	
01 22 23 00-0718	MO		150,000 BTU/Hour Space Heater	522.99	
01 22 23 00-0719	DAY		500,000 BTU/Hour Space Heater	136.78	
01 22 23 00-0720	WK		500,000 BTU/Hour Space Heater	337.93	
01 22 23 00-0721	MO		500,000 BTU/Hour Space Heater	854.49	
01 22 23 00-0722	Material Handling Equipment (01 22 23)				
01 22 23 00-0723	Truck Mounted Hydraulic Cranes (01 22 23 00-0722) Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.				
01 22 23 00-0724	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,046.94 -693.34	
01 22 23 00-0725	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,537.91 -3,466.71	
01 22 23 00-0726	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,246.42 -15,022.42	
01 22 23 00-0727	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,140.54 -693.34	
01 22 23 00-0728	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,816.11 -3,466.71	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0729	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,078.42	-15,022.42
01 22 23 00-0730	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,234.14	-693.34
01 22 23 00-0731	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,094.31	-3,466.71
01 22 23 00-0732	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,910.42	-15,022.42
01 22 23 00-0733	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,358.94	-693.34
01 22 23 00-0734	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,468.71	-3,466.71
01 22 23 00-0735	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,028.42	-15,022.42
01 22 23 00-0736	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,473.34	-693.34
01 22 23 00-0737	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,243.51	-3,466.71
01 22 23 00-0738	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,350.74	-15,022.42
01 22 23 00-0739	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,743.74	-693.34
01 22 23 00-0740	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,210.71	-3,466.71
01 22 23 00-0741	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,254.42	-15,022.42
01 22 23 00-0742	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,915.34	-693.34
01 22 23 00-0743	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,813.91	-3,466.71
01 22 23 00-0744	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,068.18	-15,022.42
01 22 23 00-0745	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,050.54	-693.34
01 22 23 00-0746	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,302.71	-3,466.71
01 22 23 00-0747	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,532.50	-15,022.42
01 22 23 00-0748	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,185.74	-693.34
01 22 23 00-0749	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,791.51	-3,466.71
01 22 23 00-0750	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,996.82	-15,022.42
01 22 23 00-0751	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,274.14	-693.34
01 22 23 00-0752	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,093.11	-3,466.71
01 22 23 00-0753	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,912.02	-15,022.42
01 22 23 00-0754	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,377.21	-676.81
01 22 23 00-0755	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,457.66	-3,384.06
01 22 23 00-0756	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,885.04	-14,664.24

01 22 23 00-0757 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes (01 22 23 00-0722)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0758	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,941.34	-693.34
01 22 23 00-0759	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,917.91	-3,466.71
01 22 23 00-0760	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	28,376.02	-15,022.42
01 22 23 00-0761	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,903.34	-693.34
01 22 23 00-0762	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,519.51	-3,466.71
01 22 23 00-0763	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,180.82	-15,022.42
01 22 23 00-0764	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,059.34	-693.34
01 22 23 00-0765	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,658.31	-3,466.71
01 22 23 00-0766	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	36,596.18	-15,022.42
01 22 23 00-0767	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,371.34	-693.34
01 22 23 00-0768	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,797.11	-3,466.71
01 22 23 00-0769	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	40,007.38	-15,022.42
01 22 23 00-0770	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,519.54	-693.34
01 22 23 00-0771	WK	200 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,935.91	-3,466.71

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0772	MO	200 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	43,426.90	
		<i>For Equipment Without Operator, Deduct</i>	-15,022.42	
01 22 23 00-0773	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	3,667.74	
		<i>For Equipment Without Operator, Deduct</i>	-693.34	
01 22 23 00-0774	WK	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	14,074.71	
		<i>For Equipment Without Operator, Deduct</i>	-3,466.71	
01 22 23 00-0775	MO	250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	46,846.42	
		<i>For Equipment Without Operator, Deduct</i>	-15,022.42	
01 22 23 00-0776	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	4,156.54	
		<i>For Equipment Without Operator, Deduct</i>	-693.34	
01 22 23 00-0777	WK	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	15,827.11	
		<i>For Equipment Without Operator, Deduct</i>	-3,466.71	
01 22 23 00-0778	MO	300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	52,096.34	
		<i>For Equipment Without Operator, Deduct</i>	-15,022.42	
01 22 23 00-0779	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	7,162.14	
		<i>For Equipment Without Operator, Deduct</i>	-693.34	
01 22 23 00-0780	WK	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	26,539.11	
		<i>For Equipment Without Operator, Deduct</i>	-3,466.71	
01 22 23 00-0781	MO	500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	84,244.82	
		<i>For Equipment Without Operator, Deduct</i>	-15,022.42	

01 22 23 00-0782 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0722)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0783	DAY	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,075.23	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0784	WK	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,233.10	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0785	MO	5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,951.28	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0786	DAY	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,122.37	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0787	WK	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,339.16	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0788	MO	6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	16,186.96	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0789	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,110.58	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0790	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,392.19	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0791	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	16,540.48	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
01 22 23 00-0792	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,246.10	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
01 22 23 00-0793	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,745.71	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
01 22 23 00-0794	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	17,365.36	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	

01 22 23 00-0795 Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0722)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0796	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	918.50	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	58.21	
01 22 23 00-0797	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,932.02	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	158.97	
01 22 23 00-0798	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,413.64	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	363.83	
01 22 23 00-0799	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	933.82	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	61.28	
01 22 23 00-0800	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,973.85	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	167.33	
01 22 23 00-0801	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,509.38	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	382.98	
01 22 23 00-0802	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,016.31	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	77.77	
01 22 23 00-0803	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,203.64	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	213.29	
01 22 23 00-0804	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	16,039.66	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	489.04	
01 22 23 00-0805	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,061.74	
		<i>For Equipment Without Operator, Deduct</i>	-627.44	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	86.86	
01 22 23 00-0806	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,183.96	
		<i>For Equipment Without Operator, Deduct</i>	-3,137.19	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	209.35	
01 22 23 00-0807	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	16,200.28	
		<i>For Equipment Without Operator, Deduct</i>	-13,594.48	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	521.16	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0808

Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0722)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0809	DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	874.90	
	For Equipment Without Operator, Deduct	-627.44	
	For Propane Instead Of Gas Or Diesel, Add	49.49	
01 22 23 00-0810	WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,702.82	
	For Equipment Without Operator, Deduct	-3,137.19	
	For Propane Instead Of Gas Or Diesel, Add	113.13	
01 22 23 00-0811	MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,949.64	
	For Equipment Without Operator, Deduct	-13,594.48	
	For Propane Instead Of Gas Or Diesel, Add	271.03	
01 22 23 00-0812	DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	880.80	
	For Equipment Without Operator, Deduct	-627.44	
	For Propane Instead Of Gas Or Diesel, Add	50.67	
01 22 23 00-0813	WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,720.50	
	For Equipment Without Operator, Deduct	-3,137.19	
	For Propane Instead Of Gas Or Diesel, Add	116.66	
01 22 23 00-0814	MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,990.88	
	For Equipment Without Operator, Deduct	-13,594.48	
	For Propane Instead Of Gas Or Diesel, Add	279.28	
01 22 23 00-0815	DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,004.53	
	For Equipment Without Operator, Deduct	-627.44	
	For Propane Instead Of Gas Or Diesel, Add	75.42	
01 22 23 00-0816	WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,991.53	
	For Equipment Without Operator, Deduct	-3,137.19	
	For Propane Instead Of Gas Or Diesel, Add	170.87	
01 22 23 00-0817	MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	15,656.68	
	For Equipment Without Operator, Deduct	-13,594.48	
	For Propane Instead Of Gas Or Diesel, Add	412.44	
01 22 23 00-0818	DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,016.31	
	For Equipment Without Operator, Deduct	-627.44	
	For Propane Instead Of Gas Or Diesel, Add	77.77	
01 22 23 00-0819	WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,091.69	
	For Equipment Without Operator, Deduct	-3,137.19	
	For Propane Instead Of Gas Or Diesel, Add	190.90	
01 22 23 00-0820	MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,010.20	
	For Equipment Without Operator, Deduct	-13,594.48	
	For Propane Instead Of Gas Or Diesel, Add	483.14	
01 22 23 00-0821	DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,122.37	
	For Equipment Without Operator, Deduct	-627.44	
	For Propane Instead Of Gas Or Diesel, Add	98.99	
01 22 23 00-0822	WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,262.56	
	For Equipment Without Operator, Deduct	-3,137.19	
	For Propane Instead Of Gas Or Diesel, Add	225.07	
01 22 23 00-0823	MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,304.80	
	For Equipment Without Operator, Deduct	-13,594.48	
	For Propane Instead Of Gas Or Diesel, Add	542.06	

01 22 23 00-0824

Chain Hoists (01 22 23 00-0722)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0825	DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	12.52	
01 22 23 00-0826	WK 1 Ton, 20' Lift, Manual Chain Hoist.....	32.55	
01 22 23 00-0827	MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.40	
01 22 23 00-0828	DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	35.06	
01 22 23 00-0829	WK 3 Ton, 20' Lift, Manual Chain Hoist.....	82.63	
01 22 23 00-0830	MO 3 Ton, 20' Lift, Manual Chain Hoist.....	231.62	
01 22 23 00-0831	DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.07	
01 22 23 00-0832	WK 5 Ton, 20' Lift, Manual Chain Hoist.....	121.44	
01 22 23 00-0833	MO 5 Ton, 20' Lift, Manual Chain Hoist.....	338.04	
01 22 23 00-0834	DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	88.89	
01 22 23 00-0835	WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	231.62	
01 22 23 00-0836	MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	626.00	
01 22 23 00-0837	DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.14	
01 22 23 00-0838	WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	241.01	
01 22 23 00-0839	MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	657.30	
01 22 23 00-0840	DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	92.65	
01 22 23 00-0841	WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	259.79	
01 22 23 00-0842	MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	719.90	

01 22 23 00-0843

Roof Swing Hoist (01 22 23 00-0722)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0844	DAY Up To 400#, Manual Swing Roof Hoist.....	69.18	
01 22 23 00-0845	WK Up To 400#, Manual Swing Roof Hoist.....	242.15	
01 22 23 00-0846	MO Up To 400#, Manual Swing Roof Hoist.....	830.22	

01 22 23 00-0847

Pumping Equipment (01 22 23)

01 22 23 00-0848

Gas Powered Portable Centrifugal Pumps (01 22 23 00-0847)

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0872 for larger diameter pumps.

01 22 23 00-0849	DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	59.20	
01 22 23 00-0850	WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	133.20	
01 22 23 00-0851	MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	355.20	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0852	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	71.04	
01 22 23 00-0853	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	159.84	
01 22 23 00-0854	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	426.24	
01 22 23 00-0855			Gas Powered Portable Diaphragm Pumps (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0856	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	68.08	
01 22 23 00-0857	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	192.40	
01 22 23 00-0858	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	488.40	
01 22 23 00-0859	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	82.88	
01 22 23 00-0860	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	222.00	
01 22 23 00-0861	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	629.00	
01 22 23 00-0862			Gas Powered Portable Trash Pumps (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0863	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	85.84	
01 22 23 00-0864	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	177.60	
01 22 23 00-0865	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	532.80	
01 22 23 00-0866	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	85.84	
01 22 23 00-0867	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	229.40	
01 22 23 00-0868	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	629.00	
01 22 23 00-0869	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	136.16	
01 22 23 00-0870	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	384.80	
01 22 23 00-0871	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,117.40	
01 22 23 00-0872			Diesel Powered Portable Trash Pumps (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0873	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	266.40	
01 22 23 00-0874	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	725.20	
01 22 23 00-0875	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,159.80	
01 22 23 00-0876	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	407.00	
01 22 23 00-0877	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,065.60	
01 22 23 00-0878	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,834.20	
01 22 23 00-0879	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	553.52	
01 22 23 00-0880	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,481.48	
01 22 23 00-0881	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,963.44	
01 22 23 00-0882	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	716.32	
01 22 23 00-0883	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,829.28	
01 22 23 00-0884	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,372.40	
01 22 23 00-0885			Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0886	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	380.36	
01 22 23 00-0887	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	865.80	
01 22 23 00-0888	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,699.52	
01 22 23 00-0889	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	466.20	
01 22 23 00-0890	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,161.80	
01 22 23 00-0891	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,159.80	
01 22 23 00-0892	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	562.40	
01 22 23 00-0893	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,663.52	
01 22 23 00-0894	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,639.80	
01 22 23 00-0895	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	846.56	
01 22 23 00-0896	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,162.28	
01 22 23 00-0897	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,349.20	
01 22 23 00-0898			3 Phase Electric Submersible Pumps (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0899	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	148.00	
01 22 23 00-0900	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	370.00	
01 22 23 00-0901	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,110.00	
01 22 23 00-0902	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	195.36	
01 22 23 00-0903	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	488.40	
01 22 23 00-0904	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,465.20	
01 22 23 00-0905			Suction Hose With Couplings (01 22 23 00-0847)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0906	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	6.00	
01 22 23 00-0907	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	15.00	
01 22 23 00-0908	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	46.00	
01 22 23 00-0909	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.00	
01 22 23 00-0910	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	41.00	
01 22 23 00-0911	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	125.00	
01 22 23 00-0912	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	24.00	
01 22 23 00-0913	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	61.00	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0914	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	185.00	
01 22 23 00-0915	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	30.00	
01 22 23 00-0916	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.00	
01 22 23 00-0917	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	220.00	
01 22 23 00-0918	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	70.00	
01 22 23 00-0919	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	180.00	
01 22 23 00-0920	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	530.00	
01 22 23 00-0921	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	94.00	
01 22 23 00-0922	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	205.00	
01 22 23 00-0923	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	615.00	

01 22 23 00-0924 Discharge Hose With Couplings (01 22 23 00-0847)
 Note: Includes delivery, set-up, and removal.

01 22 23 00-0925	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.00	
01 22 23 00-0926	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.00	
01 22 23 00-0927	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	46.00	
01 22 23 00-0928	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.00	
01 22 23 00-0929	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	17.00	
01 22 23 00-0930	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	53.00	
01 22 23 00-0931	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.00	
01 22 23 00-0932	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-0933	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	61.00	
01 22 23 00-0934	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.00	
01 22 23 00-0935	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	54.00	
01 22 23 00-0936	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	155.00	
01 22 23 00-0937	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	26.00	
01 22 23 00-0938	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	71.00	
01 22 23 00-0939	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	195.00	
01 22 23 00-0940	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	20.00	
01 22 23 00-0941	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	50.00	
01 22 23 00-0942	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	150.00	
01 22 23 00-0943	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	51.00	
01 22 23 00-0944	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	130.00	
01 22 23 00-0945	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	385.00	

01 22 23 00-0946 Hydraulic Submersible Pumps (01 22 23 00-0847)
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0947 Hydraulic Submersible Pumps (01 22 23 00-0946)
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0948	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.68	
01 22 23 00-0949	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	261.96	
01 22 23 00-0950	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	732.60	
01 22 23 00-0951	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.32	
01 22 23 00-0952	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	319.68	
01 22 23 00-0953	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	976.80	

01 22 23 00-0954 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0946)
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0955	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	225.70	
01 22 23 00-0956	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	673.40	
01 22 23 00-0957	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	1,776.00	

01 22 23 00-0958 Temporary Building Services (01 22 23)

01 22 23 00-0959 Boilers (01 22 23 00-0958)
 Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0960 Electric Boilers (01 22 23 00-0959)

01 22 23 00-0961	MO	40 MBH, 12 KW Electric Boiler Rental	2,360.98	
01 22 23 00-0962	MO	60 MBH, 20 KW Electric Boiler Rental.....	2,575.65	
01 22 23 00-0963	MO	95 MBH, 30 KW Electric Boiler Rental	2,682.98	
01 22 23 00-0964	MO	135 MBH, 40 KW Electric Boiler Rental.....	3,004.88	
01 22 23 00-0965	MO	165 MBH, 50 KW Electric Boiler Rental	4,185.37	
01 22 23 00-0966	MO	215 MBH, 60 KW Electric Boiler Rental.....	4,829.29	
01 22 23 00-0967	MO	365 MBH, 100 KW Electric Boiler Rental.....	6,331.78	
01 22 23 00-0968	MO	510 MBH, 150 KW Electric Boiler Rental.....	7,726.93	

01 22 23 00-0969 Oil/Gas Fired Boilers (01 22 23 00-0959)

01 22 23 00-0970	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,080.00	
		<i>For >3 Months Rental, Deduct</i>	-312.00	
01 22 23 00-0971	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,704.00	
		<i>For >3 Months Rental, Deduct</i>	-405.60	
01 22 23 00-0972	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	4,368.00	
		<i>For >3 Months Rental, Deduct</i>	-655.20	
01 22 23 00-0973	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	6,032.00	
		<i>For >3 Months Rental, Deduct</i>	-904.80	

01 22 23 00-0974 Oil Fired Boilers (01 22 23 00-0959)

01 22 23 00-0975	MO	250 HP Oil Fired Boiler Rental.....	6,630.82	
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01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0976	MO		350 HP Oil Fired Boiler Rental	8,841.10	
01 22 23 00-0977	MO		500 HP Oil Fired Boiler Rental	11,051.37	
01 22 23 00-0978	MO		600 HP Oil Fired Boiler Rental	12,156.51	
01 22 23 00-0979			Boilers Setup (01 22 23 00-0959)		
01 22 23 00-0980	EA		Setup Rental Boiler	5,359.19	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0981			Chillers (01 22 23 00-0958)		
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0982			Air Cooled Chillers (01 22 23 00-0981)		
01 22 23 00-0983	MO		25 Ton Air Cooled Chiller Rental	3,152.40	
			For >3 To 6 Month Rental, Deduct	-472.86	
			For >6 Month Rental, Deduct	-788.10	
01 22 23 00-0984	MO		40 Ton Air Cooled Chiller Rental	5,043.85	
			For >3 To 6 Month Rental, Deduct	-756.58	
			For >6 Month Rental, Deduct	-1,260.96	
01 22 23 00-0985	MO		60 Ton Air Cooled Chiller Rental	6,169.20	
			For >3 To 6 Month Rental, Deduct	-925.38	
			For >6 Month Rental, Deduct	-1,542.30	
01 22 23 00-0986	MO		80 Ton Air Cooled Chiller Rental	7,294.55	
			For >3 To 6 Month Rental, Deduct	-1,094.18	
			For >6 Month Rental, Deduct	-1,823.64	
01 22 23 00-0987	MO		100 Ton Air Cooled Chiller Rental	8,419.90	
			For >3 To 6 Month Rental, Deduct	-1,262.99	
			For >6 Month Rental, Deduct	-2,104.98	
01 22 23 00-0988	MO		125 Ton Air Cooled Chiller Rental	9,754.62	
			For >3 To 6 Month Rental, Deduct	-1,463.19	
			For >6 Month Rental, Deduct	-2,438.66	
01 22 23 00-0989	MO		155 Ton Air Cooled Chiller Rental	11,800.70	
			For >3 To 6 Month Rental, Deduct	-1,770.11	
			For >6 Month Rental, Deduct	-2,950.18	
01 22 23 00-0990	MO		170 Ton Air Cooled Chiller Rental	12,619.14	
			For >3 To 6 Month Rental, Deduct	-1,892.87	
			For >6 Month Rental, Deduct	-3,154.79	
01 22 23 00-0991	MO		200 Ton Air Cooled Chiller Rental	14,496.31	
			For >3 To 6 Month Rental, Deduct	-2,174.45	
			For >6 Month Rental, Deduct	-3,624.08	
01 22 23 00-0992	MO		250 Ton Air Cooled Chiller Rental	17,249.02	
			For >3 To 6 Month Rental, Deduct	-2,587.35	
			For >6 Month Rental, Deduct	-4,312.26	
01 22 23 00-0993	MO		300 Ton Air Cooled Chiller Rental	20,127.82	
			Note: Includes trailer.		
			For >3 To 6 Month Rental, Deduct	-3,019.17	
			For >6 Month Rental, Deduct	-5,031.96	
01 22 23 00-0994	MO		400 Ton Air Cooled Chiller Rental	26,551.59	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-3,982.74	
			For >6 Month Rental, Deduct	-6,637.90	
01 22 23 00-0995	MO		500 Ton Air Cooled Chiller Rental	32,865.91	
			Note: Includes trailer, pump and 200' of 6" hose.		
			For >3 To 6 Month Rental, Deduct	-4,929.89	
			For >6 Month Rental, Deduct	-8,216.48	
01 22 23 00-0996	EA		Setup Air Cooled Chiller Rental Unit	3,725.29	
			Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-0997			Chiller Rental Accessories (01 22 23 00-0981)		
01 22 23 00-0998	MO		4" x 25' Flexible Water Hose For Chiller Rental	56.17	
01 22 23 00-0999	MO		6" x 25' Flexible Water Hose For Chiller Rental	70.22	
01 22 23 00-1000			Emergency Cooler/Freezer (01 22 23 00-0958)		
			Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1001	DAY		8 x 6 x 7 Emergency Cooler Rental	80.17	
01 22 23 00-1002	WK		8 x 6 x 7 Emergency Cooler Rental	427.56	
01 22 23 00-1003	DAY		10 x 7 x 7 Emergency Cooler Rental	160.34	
01 22 23 00-1004	WK		10 x 7 x 7 Emergency Cooler Rental	641.34	
01 22 23 00-1005	MO		10 x 7 x 7 Emergency Cooler Rental	1,603.35	
01 22 23 00-1006	DAY		10 x 7 x 7 Emergency Freezer Rental	187.06	
01 22 23 00-1007	WK		10 x 7 x 7 Emergency Freezer Rental	748.23	
01 22 23 00-1008	MO		10 x 7 x 7 Emergency Freezer Rental	1,924.02	
01 22 23 00-1009	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	213.78	
01 22 23 00-1010	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	855.12	
01 22 23 00-1011	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,137.80	
01 22 23 00-1012			Fuel Oil Tank (01 22 23 00-0958)		
			Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.		
01 22 23 00-1013	MO		100 Gallon Portable Double Wall Fuel Oil Tank Rental	400.46	
01 22 23 00-1014	MO		275 Gallon Portable Double Wall Fuel Oil Tank Rental	622.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1015	MO		500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,557.36	
01 22 23 00-1016	MO		1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,595.60	
01 22 23 00-1017	MO		2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,426.19	
01 22 23 00-1018	MO		5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,120.67	
01 22 23 00-1019			Air Handling Unit (AHU) (01 22 23 00-0958) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1020			Air Handling Unit (AHU) (01 22 23 00-1019)		
01 22 23 00-1021	MO		5,000 CFM Air Handling Unit Rental.....	3,719.60	
01 22 23 00-1022	MO		10,000 CFM Air Handling Unit Rental.....	3,846.17	
01 22 23 00-1023	MO		25,000 CFM Air Handling Unit Rental.....	6,320.52	
01 22 23 00-1024			Air Handling Unit Setup (01 22 23 00-1019)		
01 22 23 00-1025	EA		Setup Rental Air Handling Unit	1,313.02	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1026	MO		12" x 100' Flex Duct For AHU Rental.....	364.01	
			Note: Include four (4) 25' sections.		
01 22 23 00-1027	MO		20" x 100' Flex Duct For AHU Rental.....	440.15	
			Note: Include four (4) 25' sections.		
01 22 23 00-1028			Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1029			Trucks (01 22 23 00-1028) Note: Includes driver, delivery, and removal.		
01 22 23 00-1030			Flat Bed Trucks (01 22 23 00-1029) Note: Includes hydraulic tilt bed.		
01 22 23 00-1031	DAY		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	840.85	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1032	WK		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,608.54	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1033	MO		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,450.12	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1034	DAY		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	949.16	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1035	WK		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,886.09	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1036	MO		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	15,160.91	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1037	DAY		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,026.88	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1038	WK		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,183.14	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1039	MO		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	16,291.42	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1040			Light Duty Trucks (01 22 23 00-1029)		
01 22 23 00-1041	DAY		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	811.05	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1042	WK		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	3,675.98	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1043	MO		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	14,308.71	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1044	DAY		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	852.43	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1045	WK		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	3,800.11	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1046	MO		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	14,584.55	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1047			Rear Dump Trucks (01 22 23 00-1029)		
01 22 23 00-1048	DAY		4 CY Rear Dump Truck With Full-Time Truck Driver	1,009.60	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1049	WK		4 CY Rear Dump Truck With Full-Time Truck Driver	4,106.89	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1050	MO		4 CY Rear Dump Truck With Full-Time Truck Driver	15,786.01	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1051	DAY		6 CY Rear Dump Truck With Full-Time Truck Driver	1,069.49	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1052	WK		6 CY Rear Dump Truck With Full-Time Truck Driver	4,235.22	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1053	MO		6 CY Rear Dump Truck With Full-Time Truck Driver	15,871.57	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1054	DAY		13 CY Rear Dump Truck With Full-Time Truck Driver	1,779.59	
			For Equipment Without Operator, Deduct	-590.38	
01 22 23 00-1055	WK		13 CY Rear Dump Truck With Full-Time Truck Driver	5,698.22	
			For Equipment Without Operator, Deduct	-2,951.90	
01 22 23 00-1056	MO		13 CY Rear Dump Truck With Full-Time Truck Driver	19,978.21	
			For Equipment Without Operator, Deduct	-12,791.59	
01 22 23 00-1057	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver	1,898.52	
			For Equipment Without Operator, Deduct	-590.38	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1058	WK	18 CY	Rear Dump Truck With Full-Time Truck Driver	5,972.85	
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-1059	MO	18 CY	Rear Dump Truck With Full-Time Truck Driver	20,696.87	
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-1060			Vacuum Trucks (01 22 23 00-1029)		
01 22 23 00-1061	DAY	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	1,771.04	
			<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-1062	WK	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	6,507.57	
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-1063	MO	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	23,284.06	
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-1064			Water Trucks (01 22 23 00-1029)		
			Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-0924 for additional discharge hose, 01 22 23 00-1092 for water trailer.		
01 22 23 00-1065	DAY	2,000 Gallon	Water Truck With Full-Time Driver.....	1,204.27	
			<i>For Equipment Without Operator, Deduct</i>	-590.38	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1066	WK	2,000 Gallon	Water Truck With Full-Time Driver.....	4,568.48	
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1067	MO	2,000 Gallon	Water Truck With Full-Time Driver.....	16,611.35	
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1068	DAY	3,700 To 4,000 Gallon	Water Truck With Full-Time Driver	1,504.39	
			<i>For Equipment Without Operator, Deduct</i>	-590.38	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1069	WK	3,700 To 4,000 Gallon	Water Truck With Full-Time Driver	5,468.85	
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1070	MO	3,700 To 4,000 Gallon	Water Truck With Full-Time Driver	18,930.49	
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
			<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	10.01	
01 22 23 00-1071			Asphalt Distribution Trucks (01 22 23 00-1029)		
01 22 23 00-1072	DAY	3,000 Gallon	Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	1,750.67	
			<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-1073	WK	3,000 Gallon	Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	6,417.88	
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-1074	MO	3,000 Gallon	Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	23,037.91	
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-1075			Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1029)		
01 22 23 00-1076	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	1,264.64		
			<i>For Equipment Without Operator, Deduct</i>	-590.38	
01 22 23 00-1077	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	4,941.82		
			<i>For Equipment Without Operator, Deduct</i>	-2,951.90	
01 22 23 00-1078	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	17,624.02		
			<i>For Equipment Without Operator, Deduct</i>	-12,791.59	
01 22 23 00-1079			Truck Mounted Accessories (01 22 23 00-1028)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1080			Truck Mounted Arrow Boards (01 22 23 00-1079)		
01 22 23 00-1081	DAY	Truck Mounted Arrow Board	45.37		
01 22 23 00-1082	WK	Truck Mounted Arrow Board	180.46		
01 22 23 00-1083	MO	Truck Mounted Arrow Board	643.47		
01 22 23 00-1084			Snow Removal Equipment (01 22 23 00-1079)		
			See CSI section 01 22 23 00-1029 for truck information.		
01 22 23 00-1085	DAY	One Way Type	Snow Plow Attachment For Trucks	147.72	
01 22 23 00-1086	DAY	Reversible Type	Snow Plow Attachment For Trucks	158.21	
01 22 23 00-1087	DAY	V Type	Snow Plow Attachment For Trucks.....	164.01	
01 22 23 00-1088	DAY	Slide-In, V-Box Hopper, 10 CY	Salt/Sand Spreader Attachment For Dump Body Trucks	67.83	
01 22 23 00-1089	DAY	Tailgate Mounted, Salt/Sand	Spreader Attachment For Pickup Trucks	45.75	
01 22 23 00-1090	DAY	Salt/Sand	Spreader Attachment For Pickup Trucks.....	45.97	
01 22 23 00-1091			Trailers (01 22 23 00-1028)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1092			Water Trailers With Pump (01 22 23 00-1091)		
01 22 23 00-1093	DAY	500 To 600 Gallon	Water Trailer With Pump	156.88	
01 22 23 00-1094	WK	500 To 600 Gallon	Water Trailer With Pump	402.44	
01 22 23 00-1095	MO	500 To 600 Gallon	Water Trailer With Pump	1,077.72	

MINOR
CSI UOM DESCRIPTION

01 30 Administrative Requirements (01)

01 35 Special Procedures (01 30)

01 35 29 Health, Safety, and Emergency Response Procedures (01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0039 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0027 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	1.82
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	3.63

01 35 33 Infection Control Procedures (01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing and Inspecting Services (01 45)

Note: Includes collecting and shipping samples for testing, equipment for field tests, and test reports.

01 45 23 00-0001 Concrete/Cement/Asphalt Testing (01 45 23)

01 45 23 00-0002 Concrete Testing (01 45 23 00-0001)

01 45 23 00-0003	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	19.97
01 45 23 00-0004	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	48.54
01 45 23 00-0005	EA	Concrete Cores Compression Test, ASTM C-42	99.32
01 45 23 00-0006	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	145.16
01 45 23 00-0007	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	53.48
01 45 23 00-0008	EA	Concrete Mix Design Review	290.32
01 45 23 00-0009	EA	Trial Concrete Batch Prepared In Laboratory	687.60
01 45 23 00-0010	EA	Concrete Shrinkage, ASTM C-157 Modified	534.80
01 45 23 00-0011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	82.51
01 45 23 00-0012	EA	Concrete Slump Test, ASTM C143	38.20
01 45 23 00-0013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	38.20

01 45 23 00-0014 Cement Testing (01 45 23 00-0001)

01 45 23 00-0015	EA	Cement Grab Sample (CCR Title 24)	38.20
Note: Includes sealing and storing 1 year.			
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	61.12

01 45 23 00-0017 Asphaltic Concrete Testing (01 45 23 00-0001)

01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	76.40
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	198.64
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	76.40
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	198.64
01 45 23 00-0022	EA	Swell Test, CA 305	91.68
Note: Includes compaction.			
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	229.20
01 45 23 00-0024	EA	Gradation On Extracted Sample, ASTM D-5444	152.80
01 45 23 00-0025	EA	Maximum Theoretical Unit Weight, ASTM C2041	145.63
01 45 23 00-0026	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	30.56
01 45 23 00-0027	EA	Asphalt Unit Weight On Core Test, CA 308C	30.56
01 45 23 00-0028	HR	Nuclear Field Density Testing, 4 Hour Minimum	157.38
01 45 23 00-0029	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	103.11
01 45 23 00-0030	EA	Penetration, ASTM D5	110.37

01 45 23 00-0031 Soils/Aggregate Testing (01 45 23)

01 45 23 00-0032 Field Soils Tests (01 45 23 00-0031)

01 45 23 00-0033	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	236.84
01 45 23 00-0034	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	336.16
01 45 23 00-0035	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	382.00
01 45 23 00-0036	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	305.60
01 45 23 00-0037	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	458.40
01 45 23 00-0038	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	916.50
01 45 23 00-0039	EA	Moisture Content, Field Soils Test	34.37
01 45 23 00-0040	EA	UBC Or Swell Test, Field Soils Test	120.40
01 45 23 00-0041	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	229.12
01 45 23 00-0042	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	286.41
01 45 23 00-0043	EA	Density And Classification Test, Field Soils Test	91.65
01 45 23 00-0044	EA	Percolation Test, Field Soils Test	229.12
01 45 23 00-0045	EA	Infiltration Test, Field Soils Test	458.25

01 45 23 00-0046 Aggregate Testing (01 45 23 00-0031)

01 45 23 00-0047	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	76.40
01 45 23 00-0048	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	137.52
01 45 23 00-0049	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	191.00

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 45 23 00-0050	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	148.93
01 45 23 00-0051	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	121.36
01 45 23 00-0052	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	108.83
01 45 23 00-0053	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	161.81
01 45 23 00-0054	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	152.80
01 45 23 00-0055	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	152.80
01 45 23 00-0056	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	114.60
01 45 23 00-0057	EA	Fine Aggregate Durability Index, CA 229	122.24
01 45 23 00-0058	EA	Sodium And Magnesium Soundness, ASTM C88	320.78
01 45 23 00-0059	EA	Los Angeles Rattler, ASTM C-131, CA 211	244.48
01 45 23 00-0060	EA	Los Angeles Rattler, ASTM C-535	244.48
01 45 23 00-0061	EA	Unit Weight Of Aggregates, ASTM C29	68.76
01 45 23 00-0062	EA	Organic Impurities In Sand, ASTM C40	68.74
01 45 23 00-0063	EA	Crushed Particle, ASTM California Test Method	68.74
01 45 23 00-0064	EA	Clay Lump And Friable Particles, ASTM C142	137.48
01 45 23 00-0065		Permeability Tests (01 45 23 00-0031)	
01 45 23 00-0066		In-Place Tests (01 45 23 00-0065)	
01 45 23 00-0067	EA	Double Ring Infiltrometer Test, ASTM D3385	1,213.58
01 45 23 00-0068	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	57.28
01 45 23 00-0069		Lab Tests (01 45 23 00-0065)	
01 45 23 00-0070	EA	Falling Head Rigid Wall Consolidometer Technique CAE	566.34
01 45 23 00-0071	EA	Falling Head Permeability Test EPA-9100	566.34
01 45 23 00-0072	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	323.62
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing (01 45 23)	
01 45 23 00-0074		Masonry Testing (01 45 23 00-0073)	
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	50.42
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	50.42
01 45 23 00-0077	EA	Masonry Cores Compression Test	99.32
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	191.00
01 45 23 00-0079		Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)	
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	122.24
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	84.04
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	320.78
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	160.39
01 45 23 00-0084		Metals Testing (01 45 23)	
01 45 23 00-0085		Tank Tightness Testing (01 45 23 00-0084)	
		Note: Includes reporting. Excludes retesting, replacement/installation of, gaskets, nuts/bolts, or any re-piping required to pass the system.	
01 45 23 00-0086	EA	250 To 30,000 Gallons, EZY Check III Precision Volumetric Underfill Tank Tightness Test	1,095.39
01 45 23 00-0087		Other Testing (01 45 23)	
01 45 23 00-0088		Special Testing (01 45 23 00-0087)	
01 45 23 00-0089	EA	Asphalt Roofing Cut-out Samples, To Determine Unit Weight	118.44
01 45 23 00-0090	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	710.63
01 45 23 00-0091	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	35.73
01 45 23 00-0092	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	148.11
01 45 23 00-0093	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	148.11
01 45 23 00-0094	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	148.11
01 45 23 00-0095	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	814.60
01 45 23 00-0096		Nondestructive Field Testing Services (01 45 23 00-0087)	
01 45 23 00-0097		Infrared Thermography (01 45 23 00-0096)	
		Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.	
01 45 23 00-0098		Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0097)	
		Note: For on the roof surveys.	
01 45 23 00-0099	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	2,665.98
01 45 23 00-0100	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.44
		For CADD Drawings, Add	0.89
01 45 23 00-0101	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.96
		For CADD Drawings, Add	0.59
01 45 23 00-0102	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.22
		For CADD Drawings, Add	0.44
		For Elevated Infrared Thermography Roof Investigation, Add	0.56
		For Aerial Infrared Thermography Roof Investigation, Add	0.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0103	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography..... <i>For CADD Drawings, Add</i> <i>For Elevated Infrared Thermography Roof Investigation, Add</i> <i>For Aerial Infrared Thermography Roof Investigation, Add</i>	1.48 0.30 0.37 0.37	
01 45 23 00-0104			Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0097) Note: For finding moisture in walls and windows.		
01 45 23 00-0105	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	1,407.04	
01 45 23 00-0106	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	4.44 2.22	
01 45 23 00-0107	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	2.96 1.48	
01 45 23 00-0108	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	1.48 0.74	
01 45 23 00-0109			General Building Investigation Using Infrared Thermography (01 45 23 00-0097) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0110	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge.....	2,888.14	
01 45 23 00-0111	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	4.44 2.22	
01 45 23 00-0112	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	2.96 1.48	
01 45 23 00-0113	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	1.48 0.74	
01 45 23 00-0114			Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0097) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0115	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,407.04	
01 45 23 00-0116	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	146.86 21.96	
01 45 23 00-0117			Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0097) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0118	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge.....	1,407.04	
01 45 23 00-0119	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	4.44 0.67	
01 45 23 00-0120	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	2.96 0.44	
01 45 23 00-0121			Other Nondestructive Field Testing Services (01 45 23 00-0096)		
01 45 23 00-0122	HR		ASNT Certified Level I NDT Consultant.....	74.08	
01 45 23 00-0123	HR		ASNT Certified Level II NDT Consultant.....	92.40	
01 45 23 00-0124	HR		ASNT Certified Level III NDT Consultant.....	106.05	
01 45 23 00-0125	HR		Certified Industrial Radiography Radiation Safety Personnel.....	74.10	
01 45 29			Testing Laboratory Services (01 45)		
01 45 29 00-0001			Soil Borings Laboratory Tests (01 45 29) See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA		Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	105.18	
01 45 29 00-0003	EA		Shrinkage Limit, Soil Borings Laboratory Test.....	33.56	
01 45 29 00-0004	EA		Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	80.90	
01 45 29 00-0005	EA		Consolidation, Soil Borings Laboratory Test.....	566.34	
01 45 29 00-0006	EA		Swell Test, Soil Borings Laboratory Test.....	111.87	
01 45 29 00-0007	EA		In Place Density, Soil Borings Laboratory Test.....	24.27	
01 45 29 00-0008	EA		Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	15.08	
01 45 29 00-0009	EA		Hydrometer Analysis, Soil Borings Laboratory Test.....	194.67	
01 45 29 00-0010	EA		Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	67.89	
01 45 29 00-0011	EA		Partial Sieve Analysis, Soil Borings Laboratory Test.....	13.43	
01 45 29 00-0012	EA		Laboratory Permeability, Soil Borings Laboratory Test.....	671.29	
01 45 29 00-0013	EA		Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	135.78	
01 45 29 00-0014	EA		Sulfate Soundness, Soil Borings Laboratory Test.....	167.82	
01 45 29 00-0015	EA		Los Angeles Abrasion, Soil Borings Laboratory Test.....	391.31	
01 45 29 00-0016	EA		Soil Bearing Ratio, ASTM D1883.....	343.80	
01 45 29 00-0017	EA		Compaction Test Subgrade, Soil Borings Laboratory Test.....	100.69	
01 45 29 00-0018	EA		Compaction Test Base Course, Soil Borings Laboratory Test.....	85.19	
01 45 29 00-0019	EA		In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	331.11	
01 45 29 00-0020	EA		Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	51.47	
01 50			Temporary Facilities and Controls (01) Note: Tasks in this section shall be used as directed by owner.		
01 51			Temporary Utilities (01 50)		
01 51 13			Temporary Electricity (01 51)		

01 General Requirements
01 50 Temporary Facilities and Controls
01 51 Temporary Utilities

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 51 13 00-001	Temporary Disconnect Switch With Fuses <small>(01 51 13)</small>		
	Note: Includes all connections and removal after use.		
01 51 13 00-002	EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,200.31	
01 51 13 00-003	EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,843.64	
01 51 13 00-004	Temporary Panelboard Complete With GFCI Circuit Breakers <small>(01 51 13)</small>		
	Note: Includes all connections, pigtails and removal after use.		
01 51 13 00-005	EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,322.01	
01 51 13 00-006	EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,773.45	
01 51 13 00-007	Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards <small>(01 51 13)</small>		
	Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-008	LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	8.16	
01 51 13 00-009	LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards.....	8.94	
01 51 26	Temporary Lighting <small>(01 51)</small>		
01 51 26 00-001	Temporary Devices <small>(01 51 26)</small>		
	Note: Includes removal after use.		
01 51 26 00-002	EA Temporary Exit Light.....	211.03	
01 51 26 00-003	EA Temporary 10 Light String With Cages	74.98	
01 51 26 00-004	EA Temporary High Bay Light	279.97	

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds (01 52)

01 52 13 00-001	Field Offices <small>(01 52 13)</small>		
	Note: Excludes furniture, utility connections and service. Minimum 6 months rental.		
01 52 13 00-002	MO 8' x 24' Mobile Office, With Toilet	143.02	
	For Each Delivery And Removal, Two Round Trips, Add	635.27	
	For Each Set-Up (Block And Level), Add	381.24	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
	For Office Trailer Without Toilet, Deduct	-28.60	
01 52 13 00-003	MO 8' x 32' Mobile Office, With Toilet	162.08	
	For Each Delivery And Removal, Two Round Trips, Add	635.27	
	For Each Set-Up (Block And Level), Add	381.24	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
	For Office Trailer Without Toilet, Deduct	-32.42	
01 52 13 00-004	MO 10' x 36' Mobile Office, With Toilet	219.29	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
	For Office Trailer Without Toilet, Deduct	-43.86	
01 52 13 00-005	MO 10' x 40' Mobile Office, With Toilet	233.59	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
	For Office Trailer Without Toilet, Deduct	-46.72	
01 52 13 00-006	MO 10' x 44' Mobile Office, With Toilet	257.43	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
01 52 13 00-007	MO 10' x 50' Mobile Office, With Toilet	271.73	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
01 52 13 00-008	MO 12' x 32' Mobile Office, With Toilet	210.23	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
	For Each Delivery And Set-Up (Block And Level), Add	904.46	
	For Each Knock-Down And Pick-Up, Add	709.46	
01 52 13 00-009	MO 12' x 44' Mobile Office, With Toilet	281.07	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
01 52 13 00-010	MO 12' x 50' Mobile Office, With Toilet	319.40	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	
01 52 13 00-011	MO 12' x 60' Mobile Office, With Toilet	348.00	
	For Each Delivery And Removal, Two Round Trips, Add	899.97	
	For Each Set-Up (Block And Level), Add	622.02	
	For Each Anchoring Into Dirt, Add	118.47	
	For Each Anchoring Into Asphalt Or Concrete, Add	177.71	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	762.73	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,694.05	
		<i>For Each Set-Up (Block And Level), Add</i>	1,003.25	
		<i>For Each Anchoring Into Dirt, Add</i>	118.47	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	177.71	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	915.28	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,694.05	
		<i>For Each Set-Up (Block And Level), Add</i>	1,003.25	
		<i>For Each Anchoring Into Dirt, Add</i>	118.47	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	177.71	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	435.00	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,694.05	
		<i>For Each Set-Up (Block And Level), Add</i>	1,003.25	
		<i>For Each Anchoring Into Dirt, Add</i>	118.47	
		<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	177.71	

01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)
 Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	39.42	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	24.64	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	29.56	
01 52 13 00-0019	MO	Table For Field Office Trailer	19.71	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.34	
01 52 13 00-0021	MO	Security System With Monitoring For Field Office Trailer	124.20	
01 52 13 00-0022	LF	Perimeter Trailer Skirting For Field Office Trailer	11.84	
01 52 13 00-0023	LF	Insulated Perimeter Trailer Skirting For Field Office Trailer	28.05	
01 52 13 00-0024	MO	Steps For Field Office Trailer	47.38	
01 52 13 00-0025	MO	Fax Machine For Field Office Trailer	49.27	
01 52 13 00-0026	MO	Copier For Field Office Trailer	78.83	

01 52 13 00-0027 Storage Containers (01 52 13)

01 52 13 00-0028	MO	8' x 8' x 10' Storage Container	192.50	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	225.69	
		<i>For >12 Months, Deduct</i>	-57.75	
01 52 13 00-0029	MO	8' x 8' x 20' Storage Container	201.25	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	248.26	
		<i>For >12 Months, Deduct</i>	-60.38	
01 52 13 00-0030	MO	8' x 8' x 40' Storage Container	238.00	
		<i>For Each Delivery And Removal, Two Round Trips, Add</i>	500.00	
		<i>For >12 Months, Deduct</i>	-71.40	

01 52 19 Sanitary Facilities (01 52)

01 52 19 00-0001 Portable Toilets (01 52 19)
 Note: Includes set-up, servicing once per week and removal.

01 52 19 00-0002	WK	Portable Chemical Toilet	39.58	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	35.00	
01 52 19 00-0003	MO	Portable Chemical Toilet	118.73	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	35.00	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	47.21	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	35.00	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	138.52	
		<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00	
		<i>For Each Delivery, Add</i>	35.00	
01 52 19 00-0006	WK	Two Station Portable Handwash	37.77	
		<i>For Each Delivery, Add</i>	35.00	
01 52 19 00-0007	MO	Two Station Portable Handwash	114.56	
		<i>For Each Delivery, Add</i>	35.00	

01 53 Temporary Construction (01 50)

01 53 16 Temporary Decking (01 53)

01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)
 Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	5.42	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	24.36	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	10.35	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	17.99	

01 53 23 Temporary Ramps (01 53)

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)
 Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.27	0.34
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01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding and Platforms (01 54)

01 General Requirements
01 50 Temporary Facilities and Controls
01 54 Construction Aids

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 54 23 00-0001	Scaffolding <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height of 14'.		
01 54 23 00-0002	Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	27.82	
	For Up To 25, Add	11.13	
	For >25 To 50, Add	6.96	
	For >50 To 150, Add	2.78	
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	31.29	
	For Up To 25, Add	12.52	
	For >25 To 50, Add	7.82	
	For >50 To 150, Add	3.13	
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	41.74	
	For Up To 25, Add	16.70	
	For >25 To 50, Add	10.44	
	For >50 To 150, Add	4.17	
01 54 23 00-0006	Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	38.41	
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	48.01	
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	57.60	
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	63.37	
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	72.97	
01 54 23 00-0012	Heavy Duty Masonry Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0013	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	47.14	
01 54 23 00-0014	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	86.42	
01 54 23 00-0015	LF Aluminum Joists (LF / Month)	7.66	
01 54 23 00-0016	LF Aluminum Stringers (LF / Month)	10.99	
01 54 23 00-0017	EA Screw Jack With U-Plate For Stringers (EA / Month).....	13.85	
01 54 23 00-0018	Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.		
01 54 23 00-0019	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	61.44	
01 54 23 00-0020	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	76.81	
01 54 23 00-0021	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	92.17	
01 54 23 00-0022	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	99.85	
01 54 23 00-0023	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	111.38	
01 54 23 00-0024	Scaffolding Accessories <small>(01 54 23 00-0001)</small> See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0025	CSF Netting for Exterior Building Scaffolding..... Note: Includes removal after use.	28.49	
01 54 23 00-0026	Rolling Scaffolding <small>(01 54 23)</small> Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0027	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	10.30	
01 54 23 00-0028	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	41.27	
01 54 23 00-0029	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	165.05	
01 54 23 00-0030	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	17.24	
01 54 23 00-0031	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	69.05	
01 54 23 00-0032	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	276.22	
01 54 23 00-0033	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	88.98	
01 54 23 00-0034	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	111.22	
01 54 23 00-0035	Shoring Posts <small>(01 54 23)</small> Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0036	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	5.53	
01 54 23 00-0037	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	16.60	
01 54 23 00-0038	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	27.67	
01 54 23 00-0039	Temporary Lumber <small>(01 54 23)</small> Note: Includes removal after use.		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 00-0040	SF	5/16" CD Grade Plywood, Temporary Lumber	1.68	0.48
01 54 23 00-0041	SF	1/2" CD Grade Plywood, Temporary Lumber	2.28	0.48
01 54 23 00-0042	SF	5/8" CD Grade Plywood, Temporary Lumber	2.45	0.48
01 54 23 00-0043	SF	3/4" CD Grade Plywood, Temporary Lumber	2.90	0.48
01 54 23 00-0044	SF	1" CD Grade Plywood, Temporary Lumber	4.68	0.72
01 54 23 00-0045	LF	2" x 4" Temporary Lumber	1.08	0.99
01 54 23 00-0046	LF	2" x 6" Temporary Lumber	1.61	0.99
01 54 23 00-0047	LF	2" x 8" Temporary Lumber	2.15	0.99
01 54 23 00-0048	LF	2" x 10" Temporary Lumber	2.69	0.99
01 54 23 00-0049	LF	2" x 12" Temporary Lumber	3.23	0.99
01 54 23 00-0050	LF	3" x 8" Temporary Lumber	3.23	0.99
01 54 23 00-0051	LF	3" x 10" Temporary Lumber	4.04	0.99
01 54 23 00-0052	LF	3" x 12" Temporary Lumber	4.83	0.99
01 54 23 00-0053	LF	4" x 4" Temporary Lumber	2.26	0.50
01 54 23 00-0054	LF	4" x 6" Temporary Lumber	3.30	0.62
01 54 23 00-0055	LF	6" x 6" Temporary Lumber	4.34	0.75
01 54 23 00-0056	LF	6" x 8" Temporary Lumber	5.66	0.93
01 54 23 00-0057	LF	12" x 12" Temporary Lumber	14.40	1.49

01 54 23 00-0058 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0059	EA	2' x 2' x 2' Temporary Precast Concrete Block	88.68	
01 54 23 00-0060	EA	2' x 2' x 4' Temporary Precast Concrete Block	110.85	
01 54 23 00-0061	EA	2' x 2' x 8' Temporary Precast Concrete Block	133.02	

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage (01 54 26)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	2,072.00	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	2,175.60	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	2,279.20	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	2,382.80	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	2,486.40	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	2,590.00	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	2,693.61	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	597.48	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	746.86	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling	3,796.89	
				Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	5,276.43	
				Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	1,996.49	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	2,780.83	

01 55 Vehicular Access and Parking (01 50)

01 55 26 Traffic Control (01 55)

01 55 26 00-0001 Removable Prefomed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.18	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.42	

01 55 26 00-0004 Temporary Prefomed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	3.85	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	5.21	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	6.48	

01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines	1.80		
				For Not Removed, Deduct	-2.46
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines	2.38		
				For Not Removed, Deduct	-3.31
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines	2.98		
				For Not Removed, Deduct	-4.22

01 55 26 00-0012 Temporary Rumble Strips (01 55 26)

Note: Includes removal after use.

01 55 26 00-0013	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	9.55	
01 55 26 00-0014	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	6.92	

01 55 26 00-0015 Linear Delineation System, Temporary Or Permanent (01 55 26)

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

01 General Requirements
01 50 Temporary Facilities and Controls
01 55 Vehicular Access and Parking

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0016	LF	4" Linear Delineation System.....	8.03
01 55 26 00-0017	LF	6" Linear Delineation System.....	10.79

01 55 26 00-0018 Traffic Protection (01 55 26)

01 55 26 00-0019 Portable Traffic Control Device Usage (01 55 26 00-0018)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0020	DAY	28" Cone With Reflective Collar.....	0.59
01 55 26 00-0021	WK	28" Cone With Reflective Collar.....	1.78
01 55 26 00-0022	MO	28" Cone With Reflective Collar.....	5.35
01 55 26 00-0023	DAY	Vertical Panel.....	1.79
01 55 26 00-0024	WK	Vertical Panel.....	5.38
01 55 26 00-0025	MO	Vertical Panel.....	16.15
01 55 26 00-0026	DAY	Channelizer Drum.....	1.95
01 55 26 00-0027	WK	Channelizer Drum.....	5.85
01 55 26 00-0028	MO	Channelizer Drum.....	17.54
01 55 26 00-0029	DAY	Stackable Channelizer Panel.....	0.92
01 55 26 00-0030	WK	Stackable Channelizer Panel.....	2.76
01 55 26 00-0031	MO	Stackable Channelizer Panel.....	8.29
01 55 26 00-0032	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.28
01 55 26 00-0033	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.83
01 55 26 00-0034	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	11.48
01 55 26 00-0035	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.83
01 55 26 00-0036	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	8.48
01 55 26 00-0037	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	25.45
01 55 26 00-0038	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	3.22
01 55 26 00-0039	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	9.67
01 55 26 00-0040	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	29.01
01 55 26 00-0041	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	5.90
01 55 26 00-0042	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	17.69
01 55 26 00-0043	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	53.06
01 55 26 00-0044	DAY	Up To 10' Wide A Frame Barricade.....	3.23
01 55 26 00-0045	WK	Up To 10' Wide A Frame Barricade.....	9.70
01 55 26 00-0046	MO	Up To 10' Wide A Frame Barricade.....	29.10
01 55 26 00-0047	DAY	Type A Or C Flasher.....	0.66
01 55 26 00-0048	WK	Type A Or C Flasher.....	1.98
01 55 26 00-0049	MO	Type A Or C Flasher.....	5.93
01 55 26 00-0050	DAY	Type B Flasher (High Intensity).....	3.57
01 55 26 00-0051	WK	Type B Flasher (High Intensity).....	10.72
01 55 26 00-0052	MO	Type B Flasher (High Intensity).....	32.17

01 55 26 00-0053 Traffic Barriers Usage (01 55 26 00-0018)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0054	DAY	6' Long Portable Parking Curbs.....	1.54
01 55 26 00-0055	WK	6' Long Portable Parking Curbs.....	4.62
01 55 26 00-0056	MO	6' Long Portable Parking Curbs.....	13.86
01 55 26 00-0057	DAY	6' Long Portable Speed Bumps.....	4.56
01 55 26 00-0058	WK	6' Long Portable Speed Bumps.....	13.67
01 55 26 00-0059	MO	6' Long Portable Speed Bumps.....	41.01
01 55 26 00-0060	DAY	Up To 12.5' Concrete Traffic Barrier.....	10.95
01 55 26 00-0061	WK	Up To 12.5' Concrete Traffic Barrier.....	32.84
01 55 26 00-0062	MO	Up To 12.5' Concrete Traffic Barrier.....	98.52
01 55 26 00-0063	DAY	>12.5' To 20' Concrete Traffic Barrier.....	21.89
01 55 26 00-0064	WK	>12.5' To 20' Concrete Traffic Barrier.....	65.68
01 55 26 00-0065	MO	>12.5' To 20' Concrete Traffic Barrier.....	197.05
01 55 26 00-0066	DAY	6' x 32" Tall Plastic Water Barrier.....	13.07
01 55 26 00-0067	WK	6' x 32" Tall Plastic Water Barrier.....	39.22
01 55 26 00-0068	MO	6' x 32" Tall Plastic Water Barrier.....	117.66
01 55 26 00-0069	DAY	6' x 46" Tall Plastic Water Barrier.....	18.67
01 55 26 00-0070	WK	6' x 46" Tall Plastic Water Barrier.....	56.00
01 55 26 00-0071	MO	6' x 46" Tall Plastic Water Barrier.....	168.00
01 55 26 00-0072	DAY	Sand Filled Crash Attenuator Barrels.....	7.31
01 55 26 00-0073	WK	Sand Filled Crash Attenuator Barrels.....	21.92
01 55 26 00-0074	MO	Sand Filled Crash Attenuator Barrels.....	65.76
01 55 26 00-0075	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350@ BARRIER).....	1,038.96

Note: Consists of 8 bays with nose piece at the front of the system.

01 55 26 00-0076 Portable Signs And Message Displays Usage (01 55 26 00-0018)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0077	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	5.74
01 55 26 00-0078	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	17.21
01 55 26 00-0079	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	51.63
01 55 26 00-0080	DAY	Aluminum Sign And Post.....	3.08
01 55 26 00-0081	WK	Aluminum Sign And Post.....	9.24
01 55 26 00-0082	MO	Aluminum Sign And Post.....	27.71
01 55 26 00-0083	DAY	Aluminum Sign And A Frame Stand.....	4.34
01 55 26 00-0084	WK	Aluminum Sign And A Frame Stand.....	13.01
01 55 26 00-0085	MO	Aluminum Sign And A Frame Stand.....	39.04
01 55 26 00-0086	DAY	Trailer Mounted Flashing Arrow Board.....	119.00

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0087	WK	Trailer Mounted Flashing Arrow Board.....	329.38	
01 55 26 00-0088	MO	Trailer Mounted Flashing Arrow Board.....	359.41	
01 55 26 00-0089	DAY	Trailer Mounted Portable Variable Message Sign (PVMS).....	262.98	
01 55 26 00-0090	WK	Trailer Mounted Portable Variable Message Sign (PVMS).....	701.28	
01 55 26 00-0091	MO	Trailer Mounted Portable Variable Message Sign (PVMS).....	1,402.56	
01 55 26 00-0092	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	976.78	
01 55 26 00-0093	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	2,930.34	
01 55 26 00-0094	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	8,791.02	

01 55 26 00-0095 Place And Remove Traffic Protection Using Truck (01 55 26 00-0018)

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0034 for delivery >15 miles.

01 55 26 00-0096	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	3.07	
01 55 26 00-0097	EA	Placement And Removal Of >250 Cones Using Truck.....	2.68	
01 55 26 00-0098	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	5.06	
01 55 26 00-0099	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck.....	4.21	
01 55 26 00-0100	EA	Placement And Removal Of Up To 250 Barricades Using Truck.....	7.66	
01 55 26 00-0101	EA	Placement And Removal Of >250 Barricades Using Truck.....	6.13	
01 55 26 00-0102	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	7.66	
01 55 26 00-0103	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	4.60	
01 55 26 00-0104	EA	Placement And Removal Of Aluminum Sign And Post Using Truck.....	19.16	
01 55 26 00-0105	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck.....	57.48	
01 55 26 00-0106	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	77.02	
		For 1 Barrier, Add	192.55	
		For 2 Barriers, Add	69.32	
		For 3 Barriers, Add	23.11	
01 55 26 00-0107	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	115.53	
		For 1 Barrier, Add	288.83	
		For 2 Barriers, Add	103.98	
		For 3 Barriers, Add	34.66	
01 55 26 00-0108	EA	Placement And Removal Of Plastic Water Barrier..... Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	43.51	
		For 1 Barrier, Add	96.28	
		For 2 Barriers, Add	34.66	
		For 3 Barriers, Add	11.55	
01 55 26 00-0109	EA	Placement And Removal Of Crash Attenuator Barrels..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	57.76	
		For 1 Barrier, Add	144.40	
		For 2 Barriers, Add	51.98	
		For 3 Barriers, Add	17.33	
01 55 26 00-0110	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)..... Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	423.61	

01 55 26 00-0111 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0018)

01 55 26 00-0112	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	1.92	
01 55 26 00-0113	EA	Placement And Removal Of >250 Cones By Hand From Roadside.....	1.53	
01 55 26 00-0114	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside.....	2.55	
01 55 26 00-0115	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.03	
01 55 26 00-0116	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	3.83	
01 55 26 00-0117	EA	Placement And Removal Of >250 Barricades By Hand From Roadside.....	3.07	
01 55 26 00-0118	EA	Placement And Removal Of Portable Sign And Stand From Roadside.....	2.31	
01 55 26 00-0119	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	28.74	
01 55 26 00-0120	EA	Roadside Relocation Of Concrete Traffic Barrier..... Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	38.51	

01 56 Temporary Barriers and Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)

01 56 16 00-0001 Temporary Sheeting For Protection (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.30	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.39	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.51	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.50	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.36	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.45	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.57	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.54	

01 General Requirements
01 50 Temporary Facilities and Controls
01 56 Temporary Barriers and Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0010	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....	0.37	
01 56 16 00-0011	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.46	
01 56 16 00-0012	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.58	
01 56 16 00-0013	SF		6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding.....	0.55	
01 56 16 00-0014	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.37	
01 56 16 00-0015	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.46	
01 56 16 00-0016	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.58	
01 56 16 00-0017	SF		6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.55	
01 56 16 00-0018	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.42	
01 56 16 00-0019	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.51	
01 56 16 00-0020	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.63	
01 56 16 00-0021	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.60	
01 56 16 00-0022	SF		10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.67	
01 56 16 00-0023			Temporary Stud Wall (01 56 16) Note: Includes removal after use.		
01 56 16 00-0024			Temporary Stud Wall With Drywall (01 56 16 00-0023) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0025			Temporary Stud Wall With Drywall (01 56 16 00-0024)		
01 56 16 00-0026	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.78	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0027	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.78	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0028	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.87	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0029	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.50	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0030	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.50	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0031	SF		5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.68	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0032			Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0024)		
01 56 16 00-0033	SF		1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.88	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0034	SF		5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.91	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0035	SF		5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	4.86	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0036	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.56	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0037	SF		1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.70	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0038	SF		5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.76	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0039	SF		5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	6.66	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0040	SF		3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.05	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0041			Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0023) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0042	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.09	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0043	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.18	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0044	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.45	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0045	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.59	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0046	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.11	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0047	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.30	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0048	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	7.83	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0049	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	8.11	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0050			Temporary Stud Wall With BC Plywood (01 56 16 00-0023) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0051	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	5.72	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0052	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.06	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0053	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.17	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 16 00-0054	SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	6.43	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.39	
01 56 16 00-0055	SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	8.37	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0056	SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.06	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0057	SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.28	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0058	SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.79	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.45	
01 56 16 00-0059	Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0023)</small>		
	Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0060	SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.88	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.31	
01 56 16 00-0061	SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.94	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.31	
01 56 16 00-0062	SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.96	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.31	
01 56 16 00-0063	SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	2.95	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.31	
01 56 16 00-0064	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	3.00	
	<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.31	
01 56 16 00-0065	Temporary Doors <small>(01 56 16 00-0023)</small>		
	Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0066	EA Temporary Metal Door And Frame	443.11	
	Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0067	Temporary Floor Protection <small>(01 56 16)</small>		
	Note: Includes removal after use.		
01 56 16 00-0068	SF Masonite For Temporary Floor Protection	1.44	
01 56 16 00-0069	SF 1/2" Plywood For Temporary Floor Protection	1.80	
01 56 16 00-0070	SF 3/4" Plywood For Temporary Floor Protection	2.19	
01 56 26	Temporary Fencing <small>(01 56)</small>		
01 56 26 00-0001	Temporary Fencing <small>(01 56 26)</small>		
	Note: Per ASTM A392-06 Standards		
01 56 26 00-0002	Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>		
	Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	5.84	
	<i>For >100 To 250, Deduct</i>	-0.15	
	<i>For >250 To 500, Deduct</i>	-0.30	
	<i>For >500, Deduct</i>	-0.45	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	6.50	
	<i>For >100 To 250, Deduct</i>	-0.17	
	<i>For >250 To 500, Deduct</i>	-0.34	
	<i>For >500, Deduct</i>	-0.51	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	9.13	
	<i>For >100 To 250, Deduct</i>	-0.29	
	<i>For >250 To 500, Deduct</i>	-0.57	
	<i>For >500, Deduct</i>	-0.86	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	20.73	
	<i>For >100 To 250, Deduct</i>	-0.85	
	<i>For >250 To 500, Deduct</i>	-1.70	
	<i>For >500, Deduct</i>	-2.54	
	<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	6.15	
	<i>For >100 To 250, Deduct</i>	-0.17	
	<i>For >250 To 500, Deduct</i>	-0.33	
	<i>For >500, Deduct</i>	-0.50	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	6.84	
	<i>For >100 To 250, Deduct</i>	-0.19	
	<i>For >250 To 500, Deduct</i>	-0.37	
	<i>For >500, Deduct</i>	-0.56	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	9.69	
	<i>For >100 To 250, Deduct</i>	-0.31	
	<i>For >250 To 500, Deduct</i>	-0.63	
	<i>For >500, Deduct</i>	-0.94	
	<i>For Each LF Shade Cloth, Add</i>	3.60	

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	22.42	
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.86	
			<i>For >500, Deduct</i>	-2.80	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	6.48	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.54	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	7.22	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.61	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	10.33	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.04	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	24.28	
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-2.05	
			<i>For >500, Deduct</i>	-3.08	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019	LF		Temporary 4' High Chain Link Fence And Posts, >18 Months.....	6.84	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.60	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0020	LF		Temporary 6' High Chain Link Fence And Posts, >18 Months.....	7.60	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500, Deduct</i>	-0.67	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0021	LF		Temporary 8' High Chain Link Fence And Posts, >18 Months.....	11.01	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.14	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022	LF		Temporary 10' High Chain Link Fence And Posts, >18 Months.....	26.33	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-3.38	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0023			Temporary Chain Link Fence Gates (01 56 26 00-0001)		
			Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024			Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025			4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	244.03	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0027	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.50	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0028	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	460.69	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0029	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	523.71	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0030	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	628.71	
			<i>For Each LF Shade Cloth, Add</i>	71.14	
01 56 26 00-0031	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	698.25	
			<i>For Each LF Shade Cloth, Add</i>	85.37	
01 56 26 00-0032			6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	260.54	
			<i>For Each LF Shade Cloth, Add</i>	22.68	
01 56 26 00-0034	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	441.79	
			<i>For Each LF Shade Cloth, Add</i>	56.69	
01 56 26 00-0035	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	496.76	
			<i>For Each LF Shade Cloth, Add</i>	68.03	
01 56 26 00-0036	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	573.83	
			<i>For Each LF Shade Cloth, Add</i>	85.03	
01 56 26 00-0037	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	694.46	
			<i>For Each LF Shade Cloth, Add</i>	113.38	
01 56 26 00-0038	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	784.79	
			<i>For Each LF Shade Cloth, Add</i>	136.05	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0039	8' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0040	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		290.43
	<i>For Each LF Shade Cloth, Add</i>		32.01
01 56 26 00-0041	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		504.16
	<i>For Shade Cloth, Add</i>		80.03
01 56 26 00-0042	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		565.11
	<i>For Shade Cloth, Add</i>		96.04
01 56 26 00-0043	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		645.77
	<i>For Shade Cloth, Add</i>		120.05
01 56 26 00-0044	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		789.22
	<i>For Shade Cloth, Add</i>		160.06
01 56 26 00-0045	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		910.29
	<i>For Shade Cloth, Add</i>		192.08
01 56 26 00-0046	10' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0047	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		353.14
	<i>For Each LF Shade Cloth, Add</i>		42.24
01 56 26 00-0048	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		607.20
	<i>For Each LF Shade Cloth, Add</i>		105.60
01 56 26 00-0049	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		681.90
	<i>For Each LF Shade Cloth, Add</i>		126.72
01 56 26 00-0050	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		778.15
	<i>For Each LF Shade Cloth, Add</i>		158.40
01 56 26 00-0051	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		951.22
	<i>For Each LF Shade Cloth, Add</i>		211.19
01 56 26 00-0052	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....		1,092.39
	<i>For Each LF Shade Cloth, Add</i>		253.43
01 56 26 00-0053	Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0054	4' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		253.56
	<i>For Each LF Shade Cloth, Add</i>		14.23
01 56 26 00-0056	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		425.32
	<i>For Each LF Shade Cloth, Add</i>		35.57
01 56 26 00-0057	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		477.62
	<i>For Each LF Shade Cloth, Add</i>		42.68
01 56 26 00-0058	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		542.76
	<i>For Each LF Shade Cloth, Add</i>		53.35
01 56 26 00-0059	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		652.00
	<i>For Each LF Shade Cloth, Add</i>		71.14
01 56 26 00-0060	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		723.66
	<i>For Each LF Shade Cloth, Add</i>		85.37
01 56 26 00-0061	6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		270.50
	<i>For Each LF Shade Cloth, Add</i>		22.68
01 56 26 00-0063	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		457.28
	<i>For Each LF Shade Cloth, Add</i>		56.69
01 56 26 00-0064	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		514.46
	<i>For Each LF Shade Cloth, Add</i>		68.03
01 56 26 00-0065	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		593.76
	<i>For Each LF Shade Cloth, Add</i>		85.03
01 56 26 00-0066	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		667.81
	<i>For Each LF Shade Cloth, Add</i>		113.38
01 56 26 00-0067	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		811.35
	<i>For Each LF Shade Cloth, Add</i>		136.05
01 56 26 00-0068	8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		301.39
	<i>For Each LF Shade Cloth, Add</i>		32.01
01 56 26 00-0070	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		521.20
	<i>For Shade Cloth, Add</i>		80.03
01 56 26 00-0071	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		584.59
	<i>For Shade Cloth, Add</i>		96.04
01 56 26 00-0072	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		667.68
	<i>For Shade Cloth, Add</i>		120.05
01 56 26 00-0073	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		816.00
	<i>For Shade Cloth, Add</i>		160.06
01 56 26 00-0074	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		939.51
	<i>For Shade Cloth, Add</i>		192.08
01 56 26 00-0075	10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		366.83
	<i>For Each LF Shade Cloth, Add</i>		42.24
01 56 26 00-0077	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		628.51
	<i>For Each LF Shade Cloth, Add</i>		105.60
01 56 26 00-0078	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		706.25
	<i>For Each LF Shade Cloth, Add</i>		126.72
01 56 26 00-0079	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....		805.54
	<i>For Each LF Shade Cloth, Add</i>		158.40

01 General Requirements
01 50 Temporary Facilities and Controls
01 56 Temporary Barriers and Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	984.70	
			<i>For Each LF Shade Cloth, Add</i>	211.19	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,128.91	
			<i>For Each LF Shade Cloth, Add</i>	253.43	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	263.56	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	440.88	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.41	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	562.77	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	676.45	
			<i>For Each LF Shade Cloth, Add</i>	71.14	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	750.33	
			<i>For Each LF Shade Cloth, Add</i>	85.37	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	280.96	
			<i>For Each LF Shade Cloth, Add</i>	22.68	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	473.55	
			<i>For Each LF Shade Cloth, Add</i>	56.69	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	533.05	
			<i>For Each LF Shade Cloth, Add</i>	68.03	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	614.67	
			<i>For Each LF Shade Cloth, Add</i>	85.03	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	744.38	
			<i>For Each LF Shade Cloth, Add</i>	113.38	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	839.24	
			<i>For Each LF Shade Cloth, Add</i>	136.05	
01 56 26 00-0097			8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	312.90	
			<i>For Each LF Shade Cloth, Add</i>	32.01	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	539.10	
			<i>For Shade Cloth, Add</i>	80.03	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	605.04	
			<i>For Shade Cloth, Add</i>	96.04	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	690.69	
			<i>For Shade Cloth, Add</i>	120.05	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	844.13	
			<i>For Shade Cloth, Add</i>	160.06	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	970.18	
			<i>For Shade Cloth, Add</i>	192.08	
01 56 26 00-0104			10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	381.21	
			<i>For Each LF Shade Cloth, Add</i>	42.24	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	650.88	
			<i>For Each LF Shade Cloth, Add</i>	105.60	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	731.82	
			<i>For Each LF Shade Cloth, Add</i>	126.72	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	834.30	
			<i>For Each LF Shade Cloth, Add</i>	158.40	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,019.85	
			<i>For Each LF Shade Cloth, Add</i>	211.19	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,167.26	
			<i>For Each LF Shade Cloth, Add</i>	253.43	
01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112			4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	273.56	
			<i>For Each LF Shade Cloth, Add</i>	14.23	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	456.44	
			<i>For Each LF Shade Cloth, Add</i>	35.57	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	513.19	
			<i>For Each LF Shade Cloth, Add</i>	42.68	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	582.78	
			<i>For Each LF Shade Cloth, Add</i>	53.35	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	700.91	
			<i>For Each LF Shade Cloth, Add</i>	71.14	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	777.01	
			<i>For Each LF Shade Cloth, Add</i>	85.37	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0120	EA	4'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	291.42	
			<i>For Each LF Shade Cloth, Add</i>	22.68	
01 56 26 00-0121	EA	10'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	489.82	
			<i>For Each LF Shade Cloth, Add</i>	56.69	
01 56 26 00-0122	EA	12'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	551.65	
			<i>For Each LF Shade Cloth, Add</i>	68.03	
01 56 26 00-0123	EA	15'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	635.59	
			<i>For Each LF Shade Cloth, Add</i>	85.03	
01 56 26 00-0124	EA	20'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	769.94	
			<i>For Each LF Shade Cloth, Add</i>	113.38	
01 56 26 00-0125	EA	24'	Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	867.13	
			<i>For Each LF Shade Cloth, Add</i>	136.05	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)

01 56 26 00-0127	EA	4'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	324.40	
			<i>For Each LF Shade Cloth, Add</i>	32.01	
01 56 26 00-0128	EA	10'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	556.99	
			<i>For Shade Cloth, Add</i>	80.03	
01 56 26 00-0129	EA	12'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	625.50	
			<i>For Shade Cloth, Add</i>	96.04	
01 56 26 00-0130	EA	15'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	713.70	
			<i>For Shade Cloth, Add</i>	120.05	
01 56 26 00-0131	EA	20'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	872.25	
			<i>For Shade Cloth, Add</i>	160.06	
01 56 26 00-0132	EA	24'	Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,000.86	
			<i>For Shade Cloth, Add</i>	192.08	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)

01 56 26 00-0134	EA	4'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	395.59	
			<i>For Each LF Shade Cloth, Add</i>	42.24	
01 56 26 00-0135	EA	10'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	673.25	
			<i>For Each LF Shade Cloth, Add</i>	105.60	
01 56 26 00-0136	EA	12'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	757.38	
			<i>For Each LF Shade Cloth, Add</i>	126.72	
01 56 26 00-0137	EA	15'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	863.06	
			<i>For Each LF Shade Cloth, Add</i>	158.40	
01 56 26 00-0138	EA	20'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,055.00	
			<i>For Each LF Shade Cloth, Add</i>	211.19	
01 56 26 00-0139	EA	24'	Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,205.61	
			<i>For Each LF Shade Cloth, Add</i>	253.43	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)

Note: Includes delivery, set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	6.43	
		<i>For >100 To 250, Deduct</i>	-0.18	
		<i>For >250 To 500, Deduct</i>	-0.36	
		<i>For >500, Deduct</i>	-0.54	
		<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	7.14	
		<i>For >100 To 250, Deduct</i>	-0.20	
		<i>For >250 To 500, Deduct</i>	-0.40	
		<i>For >500, Deduct</i>	-0.60	
		<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	9.90	
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.97	
		<i>For Each LF Shade Cloth, Add</i>	3.60	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	6.74	
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.39	
		<i>For >500, Deduct</i>	-0.58	
		<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.48	
		<i>For >100 To 250, Deduct</i>	-0.22	
		<i>For >250 To 500, Deduct</i>	-0.44	
		<i>For >500, Deduct</i>	-0.65	
		<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	10.46	
		<i>For >100 To 250, Deduct</i>	-0.35	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-1.05	
		<i>For Each LF Shade Cloth, Add</i>	3.60	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)

01 General Requirements
01 50 Temporary Facilities and Controls
01 56 Temporary Barriers and Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.04	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.63	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	7.86	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.71	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	11.10	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.15	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	7.43	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.69	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	8.24	
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.77	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	11.76	
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.25	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0157			Temporary Chain Link Fence Panels (Portable) Sandbags <small>(01 56 26 00-0140)</small>		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag	5.58	
			Note: Includes placement and removal.		
01 56 26 00-0159			Temporary Safety Fence <small>(01 56 26)</small>		
			Note: Includes removal after use.		
01 56 26 00-0160	LF		48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.83	
01 56 29			Temporary Protective Walkways <small>(01 56)</small>		
01 56 29 00-0001			Temporary Sidewalk Bridge Protection <small>(01 56 29)</small>		
			Note: Includes removal after use.		
01 56 29 00-0002			Installation of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
01 56 29 00-0003	LF		Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	122.90	
			Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
			<i>For 3 Post System, Add</i>	6.00	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00	
			<i>For Each Additional Foot Over 8' High, Add</i>	2.00	
			<i>For Up To 25, Add</i>	122.90	
			<i>For >25 To 50, Add</i>	92.18	
			<i>For >50 To 100, Add</i>	55.31	
01 56 29 00-0004	LF		Installation of Netting for Sidewalk Bridge	3.13	
			<i>For Up To 25, Add</i>	3.13	
			<i>For >25 To 50, Add</i>	2.35	
			<i>For >50 To 100, Add</i>	1.41	
01 56 29 00-0005			Monthly Rental of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
			Note: Minimum three months rental.		
01 56 29 00-0006	LF		Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	10.39	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	1.56	
			<i>For Up To 25, Add</i>	10.39	
			<i>For >25 To 50, Add</i>	7.79	
			<i>For >50 To 100, Add</i>	4.68	
01 56 29 00-0007	LF		Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	11.70	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	1.76	
			<i>For Up To 25, Add</i>	11.70	
			<i>For >25 To 50, Add</i>	8.78	
			<i>For >50 To 100, Add</i>	5.27	
01 56 29 00-0008	LF		Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	13.00	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	1.95	
			<i>For Up To 25, Add</i>	13.00	
			<i>For >25 To 50, Add</i>	9.75	
			<i>For >50 To 100, Add</i>	5.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	13.00	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.95	
For Up To 25, Add	13.00	
For >25 To 50, Add	9.75	
For >50 To 100, Add	5.85	
01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	14.29	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.14	
For Up To 25, Add	14.29	
For >25 To 50, Add	10.72	
For >50 To 100, Add	6.43	
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	16.91	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.54	
For Up To 25, Add	16.91	
For >25 To 50, Add	12.68	
For >50 To 100, Add	7.61	
01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.61	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.34	
For Up To 25, Add	15.61	
For >25 To 50, Add	11.71	
For >50 To 100, Add	7.02	
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	18.21	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.73	
For Up To 25, Add	18.21	
For >25 To 50, Add	13.66	
For >50 To 100, Add	8.19	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	19.48	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.92	
For Up To 25, Add	19.48	
For >25 To 50, Add	14.61	
For >50 To 100, Add	8.77	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.95	
For Up To 25, Add	1.95	
For >25 To 50, Add	1.46	
For >50 To 100, Add	0.88	
01 56 29 00-0016 Removal of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
01 56 29 00-0017 LF Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	25.58	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
For Up To 25, Add	25.58	
For >25 To 50, Add	19.19	
For >50 To 100, Add	11.51	
01 56 29 00-0018 LF Removal Of Netting For Sidewalk Bridge	1.56	
For Up To 25, Add	1.56	
For >25 To 50, Add	1.17	
For >50 To 100, Add	0.70	
01 56 29 00-0019 After Hour Emergency Repair Of Sidewalk Bridge <small>(01 56 29 00-0001)</small>		
01 56 29 00-0020 EA Replace Light Fixture, After Hour Emergency Repair Of Sidewalk Bridge.....	207.56	
For Each Additional Replacement Of Light Fixture, Add	103.78	
01 56 29 00-0021 EA Replace Ground Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	138.37	
For Each Additional Replacement Of Ground Tail, Add	69.19	
01 56 29 00-0022 EA Replace Ground Rod And Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	172.96	
For Each Additional Replacement Of Ground Rod And Ground Tail, Add	86.48	
01 56 29 00-0023 LF Replace Rigid Conduit And Wire, After Hour Emergency Repair Of Sidewalk Bridge	27.67	
For Each Additional Replacement Rigid Conduit And Wire, Add	13.84	
01 56 29 00-0024 Safety Nets <small>(01 56 29)</small>		
Note: Includes removal after use.		
01 56 29 00-0025 SF Small Mesh Debris Netting	1.63	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33 Temporary Security Barriers <small>(01 56)</small>		
01 56 33 00-0001 Board-up Opening With Plywood <small>(01 56 33)</small>		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002 OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	10.70	
01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	6.82	
01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	7.87	

01 General Requirements**01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 33 00-0005	Temporary Pedestrian Barricade (01 56 33)		
	Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....		9.69
01 56 33 00-0007	WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....		23.52
01 56 33 00-0008	MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....		70.57

01 56 39 Temporary Tree and Plant Protection (01 56)

01 56 39 00-0001	Temporary Tree Guards (01 56 39)		
	Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....		150.51
01 56 39 00-0003	EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....		177.19
01 56 39 00-0004	EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....		192.31

01 57 Temporary Controls (01 50)**01 57 13 Temporary Erosion and Sediment Control (01 57)**

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001	Temporary Drain Guard (01 57 23)		
	Note: Includes removal after use.		
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....		78.96
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....		77.53
	Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....		97.58
	Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....		96.14
	Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....		117.63
	Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 57 33 Temporary Security (01 57)

01 57 33 00-0001	Temporary Construction Cameras (OxBlue) (01 57 33)		
	Note: High resolution image is taken every 10 to 15 minutes. Includes project specific mounting option unless non-penetrating roof mount is required. Includes configuration, installation, removing and cleaning after completion of a project and turning over to the owner.		
01 57 33 00-0002	Temporary Construction Cameras (OxBlue) (01 57 33 00-0001)		
	Note: Includes weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 78 degree horizontal field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.		
01 57 33 00-0003	EA 4 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....		6,066.09
	For Owner Furnished Materials, Deduct		-5,693.93
	For 1 Month Prepaid Hosting And Wireless Service, Add		459.00
	For 1 Year Prepaid Hosting And Wireless Service, Add		4,406.40
	For 2 Years Prepaid Hosting And Wireless Service, Add		8,262.00
	For 3 Years Prepaid Hosting And Wireless Service, Add		11,566.80
01 57 33 00-0004	EA 6 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....		6,331.76
	For Owner Furnished Materials, Deduct		-5,959.60
	For 1 Month Prepaid Hosting And Wireless Service, Add		478.00
	For 1 Year Prepaid Hosting And Wireless Service, Add		4,588.80
	For 2 Years Prepaid Hosting And Wireless Service, Add		8,604.00
	For 3 Years Prepaid Hosting And Wireless Service, Add		12,045.60
01 57 33 00-0005	EA 8 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....		6,993.16
	For Owner Furnished Materials, Deduct		-6,621.00
	For 1 Month Prepaid Hosting And Wireless Service, Add		574.00
	For 1 Year Prepaid Hosting And Wireless Service, Add		5,510.40
	For 2 Years Prepaid Hosting And Wireless Service, Add		10,332.00
	For 3 Years Prepaid Hosting And Wireless Service, Add		14,464.80
01 57 33 00-0006	EA 12 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....		7,655.96
	For Owner Furnished Materials, Deduct		-7,283.80
	For 1 Month Prepaid Hosting And Wireless Service, Add		622.00
	For 1 Year Prepaid Hosting And Wireless Service, Add		5,971.20
	For 2 Years Prepaid Hosting And Wireless Service, Add		11,196.00
	For 3 Years Prepaid Hosting And Wireless Service, Add		15,674.40
01 57 33 00-0007	EA 12 Hour Solar Station For Temporary Construction Cameras (OxBlue).....		5,048.91
	For Owner Furnished Materials, Deduct		-4,635.40
01 57 33 00-0008	EA 24 Hour Solar Station For Temporary Construction Cameras (OxBlue).....		6,373.11
	For Owner Furnished Materials, Deduct		-5,959.60

01 57 33 00-0009 PTZ Temporary Construction Cameras With Robotic Base (OxBlue) (01 57 33 00-0001)

Note: Includes robotic base, weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 360 degree total, remotely adjustable field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0010	EA		4 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	17,112.83	
			<i>For Owner Furnished Materials, Deduct</i>	-16,554.59	
			<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	473.00	
			<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,540.80	
			<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	8,514.00	
			<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	11,919.60	
01 57 33 00-0011	EA		6 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	17,775.62	
			<i>For Owner Furnished Materials, Deduct</i>	-17,217.38	
			<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	516.00	
			<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,953.60	
			<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	9,288.00	
			<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	13,003.20	
01 57 33 00-0012	EA		8 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	19,099.82	
			<i>For Owner Furnished Materials, Deduct</i>	-18,541.58	
			<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	602.00	
			<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,779.20	
			<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	10,836.00	
			<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	20,991.28	
01 57 33 00-0013	EA		12 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	20,424.02	
			<i>For Owner Furnished Materials, Deduct</i>	-19,865.78	
			<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	622.00	
			<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,971.20	
			<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	11,196.00	
			<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	15,674.40	
01 57 33 00-0014	EA		12 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue)	7,697.31	
			<i>For Owner Furnished Materials, Deduct</i>	-7,283.80	
01 57 33 00-0015	EA		24 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue)	10,081.42	
			<i>For Owner Furnished Materials, Deduct</i>	-9,667.91	
01 57 33 00-0016			Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue) <small>(01 57 33 00-0001)</small>		
01 57 33 00-0017	EA		34" x 40" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue)	620.36	
			<i>For Owner Furnished Materials, Deduct</i>	-537.65	
01 57 33 00-0018	EA		72" x 72" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue)	885.26	
			<i>For Owner Furnished Materials, Deduct</i>	-802.55	
01 57 33 00-0019			Temporary Construction Cameras (EarthCam) <small>(01 57 33)</small>		
			Note: Includes installation, removing and cleaning after completion of a project and turning over to the owner.		
01 57 33 00-0020			HD PTZ Construction Cameras (EarthCam ConstructionCam HD) <small>(01 57 33 00-0019)</small>		
01 57 33 00-0021	EA		HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	8,024.69	
			<i>For Owner Furnished Materials, Deduct</i>	-7,466.45	
01 57 33 00-0022	EA		All Weather 4G Wireless Data Modem With Antenna For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	2,059.85	
			<i>For Owner Furnished Materials, Deduct</i>	-1,935.80	
01 57 33 00-0023	EA		16 GB Image Backup For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	795.63	
01 57 33 00-0024	EA		Wall Mount With Pole Adapter For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	598.85	
			<i>For Owner Furnished Materials, Deduct</i>	-524.42	
01 57 33 00-0025	EA		Parapet Mount For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	358.09	
			<i>For Owner Furnished Materials, Deduct</i>	-283.66	
01 57 33 00-0026	EA		12 Hour, Solar System For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	10,128.47	
			<i>For Owner Furnished Materials, Deduct</i>	-9,714.96	
01 57 33 00-0027	EA		120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	1,049.92	
			<i>For Owner Furnished Materials, Deduct</i>	-967.21	
01 57 33 00-0028	SET		NPRM Protective Mat For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	163.18	
			<i>For Owner Furnished Materials, Deduct</i>	-138.37	
01 57 33 00-0029	EA		Configuration And Programming For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	553.48	
01 57 33 00-0030	EA		1 Month, Live Video Hosting And Robotic Software Service For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	684.93	
01 57 33 00-0031	EA		1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Construction Camera (EarthCam ConstructionCam HD)	311.33	
01 57 33 00-0032			HD PTZ Network Cameras (EarthCam NetworkCam HD) <small>(01 57 33 00-0019)</small>		
01 57 33 00-0033	EA		HD PTZ Network Camera (EarthCam NetworkCam HD).....	4,010.57	
			<i>For Owner Furnished Materials, Deduct</i>	-3,452.33	
01 57 33 00-0034	EA		4G Wireless Data Modem With Antenna, Verizon Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD)	952.89	
			<i>For Owner Furnished Materials, Deduct</i>	-828.84	
01 57 33 00-0035	EA		Pole Mount Adapter (EarthCam NetworkCam HD).....	157.45	
			<i>For Owner Furnished Materials, Deduct</i>	-83.02	
01 57 33 00-0036	EA		Parapet Mount For HD PTZ Network Camera (EarthCam NetworkCam HD)	212.80	
			<i>For Owner Furnished Materials, Deduct</i>	-138.37	
01 57 33 00-0037	EA		12 Hour, Solar System For HD PTZ Network Camera (EarthCam NetworkCam HD)	10,092.49	
			<i>For Owner Furnished Materials, Deduct</i>	-9,678.98	
01 57 33 00-0038	EA		120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Network Camera (EarthCam NetworkCam HD)	1,049.92	
			<i>For Owner Furnished Materials, Deduct</i>	-967.21	
01 57 33 00-0039	SET		NPRM Protective Mat For HD PTZ Network Camera (EarthCam NetworkCam HD)	308.47	
			<i>For Owner Furnished Materials, Deduct</i>	-283.66	
01 57 33 00-0040	EA		Configuration And Programming For HD PTZ Network Camera (EarthCam NetworkCam HD)	415.11	
01 57 33 00-0041	EA		1 Month, Software Support And Archiving Service For HD PTZ Network Camera (EarthCam NetworkCam HD)	408.19	
01 57 33 00-0042	EA		1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD).....	275.36	
01 57 33 00-0043			PTZ Security Cameras (EarthCam SecurityCam Lite) <small>(01 57 33 00-0019)</small>		

01 General Requirements
01 50 Temporary Facilities and Controls
01 57 Temporary Controls

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0044	EA		PTZ Security Camera (EarthCam SecurityCam Lite).....	2,759.04	
			<i>For Owner Furnished Materials, Deduct</i>	-2,386.88	
01 57 33 00-0045	EA		All Weather 4G Wireless Data Modem With Antenna For PTZ Security Camera (EarthCam SecurityCam Lite).....	1,646.12	
			<i>For Owner Furnished Materials, Deduct</i>	-1,522.07	
01 57 33 00-0046	EA		Universal Pole Mount For PTZ Security Camera (EarthCam SecurityCam Lite).....	211.42	
			<i>For Owner Furnished Materials, Deduct</i>	-136.99	
01 57 33 00-0047	EA		Configuration And Programming For PTZ Security Camera (EarthCam SecurityCam Lite)	622.66	
01 57 33 00-0048	EA		1 Month, Gold Managed Service For PTZ Security Camera (EarthCam SecurityCam Lite)	172.96	
01 57 33 00-0049	EA		1 Month, Control Center Lite Software Support Package For PTZ Security Camera (EarthCam SecurityCam Lite)	172.39	
01 57 33 00-0050	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For PTZ Security Camera (EarthCam SecurityCam Lite).....	159.13	
01 57 33 00-0051			HD Construction Cameras (EarthCam ConstructionCam Lite HD) (01 57 33 00-0019)		
01 57 33 00-0052	EA		HD Construction Camera (EarthCam ConstructionCam Lite HD).....	5,970.61	
			<i>For Owner Furnished Materials, Deduct</i>	-5,598.45	
01 57 33 00-0053	EA		Universal Wall Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	211.42	
			<i>For Owner Furnished Materials, Deduct</i>	-136.99	
01 57 33 00-0054	EA		Parapet Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD)	358.09	
			<i>For Owner Furnished Materials, Deduct</i>	-283.66	
01 57 33 00-0055	EA		12 Hour, Solar System For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	10,376.15	
			<i>For Owner Furnished Materials, Deduct</i>	-9,962.64	
01 57 33 00-0056	EA		120" Non-Penetrating Roof Mount (NPRM) For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	1,049.92	
			<i>For Owner Furnished Materials, Deduct</i>	-967.21	
01 57 33 00-0057	SET		NPRM Protective Mat For HD Construction Camera (EarthCam ConstructionCam Lite HD)	163.18	
			<i>For Owner Furnished Materials, Deduct</i>	-138.37	
01 57 33 00-0058	EA		Configuration And Programming For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	553.48	
01 57 33 00-0059	EA		1 Month, Software Support And Archiving Service For HD Construction Camera (EarthCam ConstructionCam Lite HD)	560.40	
01 57 33 00-0060	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For HD Construction Camera (EarthCam ConstructionCam Lite HD)	159.13	
01 57 33 00-0061			Network Video Recorders (EarthCam) (01 57 33 00-0019)		
01 57 33 00-0062	EA		1,000 GB, Hardened Network Video Recorder (EarthCam).....	1,783.11	
			<i>For Owner Furnished Materials, Deduct</i>	-1,659.06	
01 57 33 00-0063			Mobile Trailer Cameras (EarthCam Mobile TrailerCam) (01 57 33 00-0019)		
01 57 33 00-0064	EA		Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	42,887.78	
01 57 33 00-0065	EA		Configuration And Programming For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	1,245.33	
01 57 33 00-0066	EA		1 Month, Platinum Managed Service For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	345.92	
01 57 33 00-0067	EA		1 Month, Robotic Camera Software Support Package For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	460.66	
01 57 33 00-0068	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For Mobile Trailer Camera (EarthCam Mobile TrailerCam)	159.13	
01 57 33 00-0069			Certified Installation Services (EarthCam) (01 57 33 00-0019)		
01 57 33 00-0070	EA		Certified Installation Service (EarthCam)	2,421.48	
01 57 33 00-0071			Temporary Construction Camera Protection (01 57 33)		
01 57 33 00-0072	EA		Galvanized Metal, Anchored Temporary CCTV Camera Protection	934.00	
01 58 Project Identification (01 50)			Note: Includes removal after use.		
01 58 13 Temporary Project Signage (01 58)					
01 58 13 00-0001			Project Sign (01 58 13)		
01 58 13 00-0002			MDO Plywood Signs (01 58 13 00-0001) Note: Excludes posts.		
01 58 13 00-0003			Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004			Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005	EA		Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	124.96	19.61
			<i>For High-Intensity Grade, Add</i>	30.01	
			<i>For Diamond Grade, Add</i>	57.88	
01 58 13 00-0006	EA		>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	212.49	20.50
			<i>For High-Intensity Grade, Add</i>	60.02	
			<i>For Diamond Grade, Add</i>	115.76	
01 58 13 00-0007	EA		>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	300.02	21.39
			<i>For High-Intensity Grade, Add</i>	90.03	
			<i>For Diamond Grade, Add</i>	173.64	
01 58 13 00-0008	EA		>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	387.56	22.28
			<i>For High-Intensity Grade, Add</i>	120.05	
			<i>For Diamond Grade, Add</i>	231.52	
01 58 13 00-0009	SF		>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	12.15	0.71
			<i>For High-Intensity Grade, Add</i>	3.75	
			<i>For Diamond Grade, Add</i>	7.24	
01 58 13 00-0010			Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0011			One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)		
01 58 13 00-0012	EA		Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	155.54	19.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		185.10	20.50
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		231.17	21.39
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		274.68	22.28
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....		8.62	0.71

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....		158.82	19.61
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		202.76	20.50
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		249.11	21.39
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		290.06	22.28
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		9.10	0.71

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....		11.86	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts		8.85	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts		10.85	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign.....		71.30	
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01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor.....		13.71	
				Note: Quantity equals volume of materials multiplied by number of floors traveled.	
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip.....		8.91	
				Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'		5.57	
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01 66 19 00-0006 Transfer Demolition Debris Between Floors (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor		13.71	
				Note: Quantity equals volume of materials multiplied by number of floors traveled.	
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip		8.91	
				Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	

01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125' (01 66 19)

Note: Only for use with demolition tasks.

01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'		5.57	
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01 66 19 00-0011 Moving Furniture And Furnishings (01 66 19)

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings.....		0.89	
				Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck		248.73	
				Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....		873.02	
				Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	

01 General Requirements
01 70 Execution and Closeout Requirements
01 71 Examination and Preparation

MINOR
CSI UOM DESCRIPTION

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01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
	Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	
01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	397.98
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles, Add	99.50
	For >60 To 100 Miles, Add	159.19
01 71 13 00-0006	EA 20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane.....	646.71
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles, Add	161.68
	For >60 To 100 Miles, Add	258.68
01 71 13 00-0007	EA 40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane.....	895.45
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles, Add	223.86
	For >60 To 100 Miles, Add	358.18
01 71 13 00-0008	EA 70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane.....	1,442.67
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles, Add	360.67
	For >60 To 100 Miles, Add	577.07
01 71 13 00-0009	EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	1,144.18
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	286.05
	For >60 To 100 Miles, Add	457.67
01 71 13 00-0010	EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	1,840.64
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	460.16
	For >60 To 100 Miles, Add	736.26
01 71 13 00-0011	EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,318.21
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	579.55
	For >60 To 100 Miles, Add	927.28
01 71 13 00-0012	EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,875.38
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	718.85
	For >60 To 100 Miles, Add	1,150.15
01 71 13 00-0013	EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,581.78
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	895.45
	For >60 To 100 Miles, Add	1,432.71
01 71 13 00-0014	EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,178.75
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	1,044.69
	For >60 To 100 Miles, Add	1,671.50
01 71 13 00-0015	EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	5,969.64
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	1,492.41
	For >60 To 100 Miles, Add	2,387.86
01 71 13 00-0016	EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	8,208.25
	Note: Includes delivery, rigging and pickup.	
	For >30 To 60 Miles, Add	2,052.06
	For >60 To 100 Miles, Add	3,283.30

01 71 36 Non-Destructive Concrete Examination (01 71)

01 71 36 00-0001	Electromagnetic (SIR/GPR) Survey <small>(01 71 36)</small>	
	Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).	
01 71 36 00-0002	Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>	
01 71 36 00-0003	EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	779.22
01 71 36 00-0004	EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,168.83
01 71 36 00-0005	EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	2,337.66
01 71 36 00-0006	Reports And Mapping For Electromagnetic (SIR/GPR) Surveys <small>(01 71 36 00-0001)</small>	
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	259.74
	Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	
01 71 36 00-0008	EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	519.48
	Note: Includes GPS coordinates of located items and reference items.	
01 71 36 00-0009	EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,168.83
	Note: Includes additions to the owner provided CAD drawing.	

01 74 Cleaning and Waste Management (01 70)

01 74 19 Construction Waste Management and Disposal (01 74)

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001	Debris Chutes <small>(01 74 19)</small>	
	Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.	
01 74 19 00-0002	Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute.....	27.50
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute.....	42.00
01 74 19 00-0005		Plastic Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	10.89
		<i>For Steel Liner, Add</i>	2.17
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	12.49
		<i>For Steel Liner, Add</i>	2.49
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	14.08
		<i>For Steel Liner, Add</i>	2.81
01 74 19 00-0009		Construction Dumpsters Rental (01 74 19)	
		<small>Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.</small>	
01 74 19 00-0010	EA	4 CY Dumpster (1 Ton Capacity), "Construction Debris"	400.14
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0011	EA	6 CY Dumpster (1 Ton) "Construction Debris"	431.52
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris"	509.98
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris"	554.99
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris"	560.00
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris"	664.99
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris"	724.99
		<small>Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.</small>	
		<i>For Each Ton Over Indicated Amount, Add</i>	90.00
01 74 19 00-0017		Concrete Washout Service (01 74 19)	
01 74 19 00-0018	MO	Rampless Concrete Washout Bin	481.93
		<small>Note: Includes delivery.</small>	
01 74 19 00-0019	MO	Ramped Concrete Washout Bin	578.31
		<small>Note: Includes delivery.</small>	
01 74 19 00-0020	EA	Interim Vacuum Service, Concrete Washout Bin.....	428.76
		<small>Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.</small>	
01 74 19 00-0021	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	928.98
		<small>Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.</small>	
01 74 19 00-0022		Debris Processing Fee (01 74 19)	
01 74 19 00-0023		Material Recycling Fees (01 74 19 00-0022)	
		<small>Note: Not to be used with Dumpster Tasks which include the Landfill Dump Fee. Excludes hauling.</small>	
01 74 19 00-0024	CY	Drop-Off Asphalt At Recycling Center	29.69
01 74 19 00-0025	CY	Drop-Off Non Reinforced Concrete At Recycling Center	26.61
01 74 19 00-0026	CY	Drop-Off Reinforced Concrete At Recycling Center.....	30.81
01 74 19 00-0027	CY	Drop-Off Brick/Block At Recycling Center.....	36.21
01 74 19 00-0028	CY	Drop-Off Dirt At Recycling Center.....	23.31
01 74 19 00-0029	CY	Drop-Off Dimensional Lumber At Re-Cycling Center.....	12.81
01 74 19 00-0030		Landfill Dump Fees (01 74 19 00-0022)	
		<small>Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.</small>	
01 74 19 00-0031	CY	Trees, Stumps And Brush, Landfill Dump Fee.....	49.35
01 74 19 00-0032	CY	Mixed Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	48.17
01 74 19 00-0033	TON	Traditional Building Construction Materials, Landfill Dump Fee.....	90.00
01 74 19 00-0034		Hauling (01 74 19)	
		<small>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.</small>	
01 74 19 00-0035	CYM	Hauling On Paved Roads, First 15 Miles	1.01
01 74 19 00-0036	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.67

01	01	General Requirements
	01 70	Execution and Closeout Requirements
	01 74	Cleaning and Waste Management

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 95 Residential Construction⁽⁰¹⁾

01 95 07 Residential - Thermal and Moisture Protection^(01 95)

01 95 07 00-0001 Residential Roofing^(01 95 07)

01 95 07 00-0002 Flashing^(01 95 07 00-0001)

01 95 07 00-0003	SF	Residential Aluminum Valley Flashing	25.56	1.93
01 95 07 00-0004	SF	Residential Aluminum Step Flashing	27.02	2.39
01 95 07 00-0005	SF	Copper Valley Flashing.....	16.02	1.93
01 95 07 00-0006	SF	Residential Copper Step Flashing.....	17.48	2.39

01 95 08 Residential - Doors and Windows^(01 95)

01 95 08 00-0001 Residential Window Barrier^(01 95 08)

01 95 08 00-0002	SF	Inoperable/Fixed, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR5Z).....	19.01	0.51
01 95 08 00-0003	SF	Operable, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR50)	28.69	0.51

END OF SECTION 01

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling ^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling and Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew ^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew.....967.72

02 32 13 00-0003 Auger Borings ^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals.....29.14

02 32 13 00-0005 Cased Borings In Earth, With Samples ^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples.....70.89

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples.....121.21

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing.....75.52

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes.....6.94

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing.....97.50

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes.....7.98

02 32 13 00-0014 Test Pits For Boring Activities ^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation.....54.28

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation.....63.33

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation.....84.45

02 32 13 00-0019 Hand-Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation.....158.42

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation.....285.16

02 32 13 00-0022 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling.....37.45

02 32 13 00-0024 EA Penetration Test.....30.51

02 32 13 00-0025 Grouting ^(02 32 13)

02 32 13 00-0026 VLF Boreholes.....7.10

02 32 19 Exploratory Excavations ^(02 32)

02 32 19 00-0001 Hydro Excavation ^(02 32 19)

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization.....102.32

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge.....409.27

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck).....34.10

Note: Normal soil conditions consist of silt, sand and gravel.

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....54.57

Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition and Structure Moving ⁽⁰²⁾

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)**02 41 13 13 Paving Removal (02 41 13)**

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete**Paving (02 41 13 13)**

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.71
		For >500 To 1,000, Deduct	-0.57
		For >1,000 To 2,500, Deduct	-1.03
		For >2,500 To 5,000, Deduct	-1.48
		For >5,000 To 10,000, Deduct	-1.94
		For >10,000, Deduct	-2.40
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	8.55
		For >500 To 1,000, Deduct	-0.86
		For >1,000 To 2,500, Deduct	-1.54
		For >2,500 To 5,000, Deduct	-2.22
		For >5,000 To 10,000, Deduct	-2.91
		For >10,000, Deduct	-3.59
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	11.41
		For >500 To 1,000, Deduct	-1.14
		For >1,000 To 2,500, Deduct	-2.05
		For >2,500 To 5,000, Deduct	-2.97
		For >5,000 To 10,000, Deduct	-3.88
		For >10,000, Deduct	-4.79
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	11.70
		For >500 To 1,000, Deduct	-1.17
		For >1,000 To 2,500, Deduct	-2.11
		For >2,500 To 5,000, Deduct	-3.04
		For >5,000 To 10,000, Deduct	-3.98
		For >10,000, Deduct	-4.91
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	16.52
		For >500 To 1,000, Deduct	-1.65
		For >1,000 To 2,500, Deduct	-2.97
		For >2,500 To 5,000, Deduct	-4.30
		For >5,000 To 10,000, Deduct	-5.62
		For >10,000, Deduct	-6.94
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	23.40
		For >500 To 1,000, Deduct	-2.34
		For >1,000 To 2,500, Deduct	-4.21
		For >2,500 To 5,000, Deduct	-6.08
		For >5,000 To 10,000, Deduct	-7.96
		For >10,000, Deduct	-9.83
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	33.04
		For >500 To 1,000, Deduct	-3.30
		For >1,000 To 2,500, Deduct	-5.95
		For >2,500 To 5,000, Deduct	-8.59
		For >5,000 To 10,000, Deduct	-11.23
		For >10,000, Deduct	-13.88
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	43.20
		For >500 To 1,000, Deduct	-4.32
		For >1,000 To 2,500, Deduct	-7.78
		For >2,500 To 5,000, Deduct	-11.23
		For >5,000 To 10,000, Deduct	-14.69
		For >10,000, Deduct	-18.14
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	56.16
		For >500 To 1,000, Deduct	-5.62
		For >1,000 To 2,500, Deduct	-10.11
		For >2,500 To 5,000, Deduct	-14.60
		For >5,000 To 10,000, Deduct	-19.09
		For >10,000, Deduct	-23.59

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02

41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.38
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.75
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.32
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.73
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.20
02 41 13 13-0017	SF	>6" To 8" By Hand, Break-up And Leave In Place Concrete Paving	2.90

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13

13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	13.06	
For Elevated Slab, Add	6.53	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,500, Deduct	-2.35	
For >2,500 To 5,000, Deduct	-3.40	
For >5,000 To 10,000, Deduct	-4.44	
For >10,000, Deduct	-5.49	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	17.83	
For Elevated Slab, Add	8.92	
For >500 To 1,000, Deduct	-1.78	
For >1,000 To 2,500, Deduct	-3.21	
For >2,500 To 5,000, Deduct	-4.64	
For >5,000 To 10,000, Deduct	-6.06	
For >10,000, Deduct	-7.49	
02 41 13 13-0021 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	15.03	
For Elevated Slab, Add	7.52	
For >500 To 1,000, Deduct	-1.50	
For >1,000 To 2,500, Deduct	-2.71	
For >2,500 To 5,000, Deduct	-3.91	
For >5,000 To 10,000, Deduct	-5.11	
For >10,000, Deduct	-6.31	
02 41 13 13-0022 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	19.66	
For Elevated Slab, Add	9.83	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,500, Deduct	-3.54	
For >2,500 To 5,000, Deduct	-5.11	
For >5,000 To 10,000, Deduct	-6.68	
For >10,000, Deduct	-8.26	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	19.94	
For Elevated Slab, Add	9.97	
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 2,500, Deduct	-3.59	
For >2,500 To 5,000, Deduct	-5.18	
For >5,000 To 10,000, Deduct	-6.78	
For >10,000, Deduct	-8.37	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	25.84	
For Elevated Slab, Add	12.92	
For >500 To 1,000, Deduct	-2.58	
For >1,000 To 2,500, Deduct	-4.65	
For >2,500 To 5,000, Deduct	-6.72	
For >5,000 To 10,000, Deduct	-8.79	
For >10,000, Deduct	-10.85	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	42.82	
For Elevated Slab, Add	21.41	
For >500 To 1,000, Deduct	-4.28	
For >1,000 To 2,500, Deduct	-7.71	
For >2,500 To 5,000, Deduct	-11.13	
For >5,000 To 10,000, Deduct	-14.56	
For >10,000, Deduct	-17.98	
02 41 13 13-0026 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	21.62	
For Elevated Slab, Add	10.81	
For >500 To 1,000, Deduct	-2.16	
For >1,000 To 2,500, Deduct	-3.89	
For >2,500 To 5,000, Deduct	-5.62	
For >5,000 To 10,000, Deduct	-7.35	
For >10,000, Deduct	-9.08	
02 41 13 13-0027 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	27.80	
For Elevated Slab, Add	13.90	
For >500 To 1,000, Deduct	-2.78	
For >1,000 To 2,500, Deduct	-5.00	
For >2,500 To 5,000, Deduct	-7.23	
For >5,000 To 10,000, Deduct	-9.45	
For >10,000, Deduct	-11.68	
02 41 13 13-0028 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	49.70	
For Elevated Slab, Add	24.85	
For >500 To 1,000, Deduct	-4.97	
For >1,000 To 2,500, Deduct	-8.95	
For >2,500 To 5,000, Deduct	-12.92	
For >5,000 To 10,000, Deduct	-16.90	
For >10,000, Deduct	-20.87	
02 41 13 13-0029 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	64.87	
For Elevated Slab, Add	32.44	
For >500 To 1,000, Deduct	-6.49	
For >1,000 To 2,500, Deduct	-11.68	
For >2,500 To 5,000, Deduct	-16.87	
For >5,000 To 10,000, Deduct	-22.06	
For >10,000, Deduct	-27.25	
02 41 13 13-0030 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	84.81	
For Elevated Slab, Add	42.41	
For >500 To 1,000, Deduct	-8.48	
For >1,000 To 2,500, Deduct	-15.27	
For >2,500 To 5,000, Deduct	-22.05	
For >5,000 To 10,000, Deduct	-28.84	
For >10,000, Deduct	-35.62	
02 41 13 13-0031 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	102.92	
For Elevated Slab, Add	51.46	
For >500 To 1,000, Deduct	-10.29	
For >1,000 To 2,500, Deduct	-18.53	
For >2,500 To 5,000, Deduct	-26.76	
For >5,000 To 10,000, Deduct	-34.99	
For >10,000, Deduct	-43.23	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0032	By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0033	SF Up To 3" By Hand, Break-up And Remove Bituminous Paving	3.09
02 41 13 13-0034	SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	4.06
02 41 13 13-0035	SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	5.28
02 41 13 13-0036	SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.85
02 41 13 13-0037	SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	5.33
02 41 13 13-0038	SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.82
02 41 13 13-0039	Grind Concrete (02 41 13 13)	
02 41 13 13-0040	EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard)	158.72
	Note: For each location up to 5' wide, feather up to 12" each direction.	
	For >1/2" To 1" Depth Of Grinding, Add	23.81
	For >1" To 1-1/2" Depth Of Grinding, Add	39.68
	For Up To 5, Add	31.74
	For >5 To 10, Add	15.87
	For >25 To 50, Deduct	-15.87
	For >50 To 250, Deduct	-23.81
	For >250, Deduct	-31.74
	For Sidewalks >5', Add	15.87
	For Up To 12" Additional Feathering Per Side, Add	15.87
02 41 13 15	Hydro Demolition (02 41 13)	
02 41 13 15-0001	Hydro Demolition Of Concrete Pavement (02 41 13 15)	
	Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002	SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	5.42
02 41 13 15-0003	SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	6.78
02 41 13 15-0004	SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	9.04
02 41 13 15-0005	SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	18.09
02 41 16	Structure Demolition (02 41)	
02 41 16 13	Building Demolition (02 41 16)	
02 41 16 13-0001	Building Interior Demolition (02 41 16 13)	
	Note: Guttled and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.34
02 41 16 13-0003	GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	9.59
02 41 16 13-0004	GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.85
02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.99
02 41 16 13-0006	Commercial And Residential Structures Demolition (02 41 16 13)	
	Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	
02 41 16 13-0007	Steel Framed Building Demolition (02 41 16 13-0006)	
	Note: Includes masonry partitions and concrete decks.	
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition	60.09
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.51
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-9.01
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.52
	For Up To 500, Add	18.03
	For >500 To 1,000, Add	12.02
	For >1,000 To 2,000, Add	6.01
	For Volume Of Area Within 15' To An Adjacent Building, Add	19.83
	For No Interior Partitions, Deduct	-15.02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition	37.20	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.79	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.58	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.37	
For Up To 500, Add	11.16	
For >500 To 1,000, Add	7.44	
For >1,000 To 2,000, Add	3.72	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.58	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	9.30	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	13.02	
For Volume Of Area Within 15' To An Adjacent Building, Add	12.28	
For No Interior Partitions, Deduct	-9.30	
02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)	75.40	
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	56.66	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.66	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-11.31	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-16.97	
For Up To 500, Add	22.62	
For >500 To 1,000, Add	15.08	
For >1,000 To 2,000, Add	7.54	
For Volume Of Area Within 15' To An Adjacent Building, Add	24.88	
For No Interior Partitions, Deduct	-18.85	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition	49.11	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.68	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.37	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-11.05	
For Up To 500, Add	14.73	
For >500 To 1,000, Add	9.82	
For >1,000 To 2,000, Add	4.91	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	7.37	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	12.28	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	17.19	
For Volume Of Area Within 15' To An Adjacent Building, Add	16.21	
For No Interior Partitions, Deduct	-12.28	
02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)	52.98	
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	52.98	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.97	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.95	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-11.92	
For Up To 500, Add	15.89	
For >500 To 1,000, Add	10.60	
For >1,000 To 2,000, Add	5.30	
For Volume Of Area Within 15' To An Adjacent Building, Add	17.48	
For No Interior Partitions, Deduct	-13.25	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition	33.37	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.50	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.01	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-7.51	
For Up To 500, Add	10.01	
For >500 To 1,000, Add	6.67	
For >1,000 To 2,000, Add	3.34	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.01	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	8.34	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	11.68	
For Volume Of Area Within 15' To An Adjacent Building, Add	11.01	
For No Interior Partitions, Deduct	-8.34	
02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)	46.05	
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	46.05	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.45	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.91	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-10.36	
For Up To 500, Add	13.82	
For >500 To 1,000, Add	9.21	
For >1,000 To 2,000, Add	4.61	
For Volume Of Area Within 15' To An Adjacent Building, Add	15.20	
For No Interior Partitions, Deduct	-11.51	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition	28.56	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.14	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.28	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.43	
For Up To 500, Add	8.57	
For >500 To 1,000, Add	5.71	
For >1,000 To 2,000, Add	2.86	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	4.28	
For Volume Of Area Within 15' To An Adjacent Building, Add	9.42	
For No Interior Partitions, Deduct	-7.14	
02 41 16 13-0019 On-Site Sorting Of Material Debris For Recycling (02 41 16 13-0006)	7.83	
Note: Per building volume.		
02 41 16 13-0020 CCF On-Site Sorting Of Material Debris For Recycling	7.83	
For Up To 500, Add	2.35	
For >500 To 1,000, Add	1.57	
For >1,000 To 2,000, Add	0.78	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
02 41 16 13-0021	Foundation Demolition (02 41 16 13) Note: Excludes earthwork.		
02 41 16 13-0022	Concrete Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0023	CF Non Reinforced Concrete Foundation Demolition.....	11.85	
	For >135 To 405, Deduct	-1.04	
	For >405 To 810, Deduct	-2.07	
	For >810 To 2025, Deduct	-2.96	
	For >2025, Deduct	-4.74	
02 41 16 13-0024	CF Reinforced Concrete Foundation Demolition	14.22	
	For >135 To 405, Deduct	-1.24	
	For >405 To 810, Deduct	-2.49	
	For >810 To 2025, Deduct	-3.56	
	For >2025, Deduct	-5.69	
02 41 16 13-0025	Concrete Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0026	SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition	5.08	
	For >500 To 2,000, Deduct	-0.38	
	For >2,000 To 6,000, Deduct	-1.02	
	For >6,000 To 8,000, Deduct	-1.78	
	For >8,000, Deduct	-2.79	
02 41 16 13-0027	SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition	6.77	
	For >500 To 2,000, Deduct	-0.51	
	For >2,000 To 6,000, Deduct	-1.35	
	For >6,000 To 8,000, Deduct	-2.37	
	For >8,000, Deduct	-3.72	
02 41 16 13-0028	SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition	8.46	
	For >500 To 2,000, Deduct	-0.63	
	For >2,000 To 6,000, Deduct	-1.69	
	For >6,000 To 8,000, Deduct	-2.96	
	For >8,000, Deduct	-4.65	
02 41 16 13-0029	SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition	10.16	
	For >500 To 2,000, Deduct	-0.76	
	For >2,000 To 6,000, Deduct	-2.03	
	For >6,000 To 8,000, Deduct	-3.56	
	For >8,000, Deduct	-5.59	
02 41 16 13-0030	SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition	11.85	
	For >500 To 2,000, Deduct	-0.89	
	For >2,000 To 6,000, Deduct	-2.37	
	For >6,000 To 8,000, Deduct	-4.15	
	For >8,000, Deduct	-6.52	
02 41 16 13-0031	SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition	13.54	
	For >500 To 2,000, Deduct	-1.02	
	For >2,000 To 6,000, Deduct	-2.71	
	For >6,000 To 8,000, Deduct	-4.74	
	For >8,000, Deduct	-7.45	
02 41 16 13-0032	SF 4" Thick Reinforced Concrete Foundation Wall Demolition.....	6.09	
	For >500 To 2,000, Deduct	-0.46	
	For >2,000 To 6,000, Deduct	-1.22	
	For >6,000 To 8,000, Deduct	-2.13	
	For >8,000, Deduct	-3.35	
02 41 16 13-0033	SF 6" Thick Reinforced Concrete Foundation Wall Demolition.....	8.12	
	For >500 To 2,000, Deduct	-0.61	
	For >2,000 To 6,000, Deduct	-1.62	
	For >6,000 To 8,000, Deduct	-2.84	
	For >8,000, Deduct	-4.47	
02 41 16 13-0034	SF 8" Thick Reinforced Concrete Foundation Wall Demolition.....	10.16	
	For >500 To 2,000, Deduct	-0.76	
	For >2,000 To 6,000, Deduct	-2.03	
	For >6,000 To 8,000, Deduct	-3.56	
	For >8,000, Deduct	-5.59	
02 41 16 13-0035	SF 10" Thick Reinforced Concrete Foundation Wall Demolition.....	12.02	
	For >500 To 2,000, Deduct	-0.90	
	For >2,000 To 6,000, Deduct	-2.40	
	For >6,000 To 8,000, Deduct	-4.21	
	For >8,000, Deduct	-6.61	
02 41 16 13-0036	SF 12" Thick Reinforced Concrete Foundation Wall Demolition.....	14.22	
	For >500 To 2,000, Deduct	-1.07	
	For >2,000 To 6,000, Deduct	-2.84	
	For >6,000 To 8,000, Deduct	-4.98	
	For >8,000, Deduct	-7.82	
02 41 16 13-0037	SF 16" Thick Reinforced Concrete Foundation Wall Demolition.....	16.25	
	For >500 To 2,000, Deduct	-1.22	
	For >2,000 To 6,000, Deduct	-3.25	
	For >6,000 To 8,000, Deduct	-5.69	
	For >8,000, Deduct	-8.94	
02 41 16 13-0038	Concrete Block Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0039	SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.72	
	For >500 To 2,000, Deduct	-0.28	
	For >2,000 To 6,000, Deduct	-0.74	
	For >6,000 To 8,000, Deduct	-1.30	
	For >8,000, Deduct	-2.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

02 41 16 13-0040	SF	6"	Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.98	
			<i>For >500 To 2,000, Deduct</i>	-0.30	
			<i>For >2,000 To 6,000, Deduct</i>	-0.80	
			<i>For >6,000 To 8,000, Deduct</i>	-1.39	
			<i>For >8,000, Deduct</i>	-2.19	
02 41 16 13-0041	SF	8"	Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.49	
			<i>For >500 To 2,000, Deduct</i>	-0.34	
			<i>For >2,000 To 6,000, Deduct</i>	-0.90	
			<i>For >6,000 To 8,000, Deduct</i>	-1.57	
			<i>For >8,000, Deduct</i>	-2.47	
02 41 16 13-0042	SF	10"	Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.17	
			<i>For >500 To 2,000, Deduct</i>	-0.39	
			<i>For >2,000 To 6,000, Deduct</i>	-1.03	
			<i>For >6,000 To 8,000, Deduct</i>	-1.81	
			<i>For >8,000, Deduct</i>	-2.84	
02 41 16 13-0043	SF	12"	Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.75	
			<i>For >500 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000 To 6,000, Deduct</i>	-1.15	
			<i>For >6,000 To 8,000, Deduct</i>	-2.01	
			<i>For >8,000, Deduct</i>	-3.16	
02 41 16 13-0044	SF	16"	Thick Non Reinforced Concrete Block Foundation Wall Demolition	7.20	
			<i>For >500 To 2,000, Deduct</i>	-0.54	
			<i>For >2,000 To 6,000, Deduct</i>	-1.44	
			<i>For >6,000 To 8,000, Deduct</i>	-2.52	
			<i>For >8,000, Deduct</i>	-3.96	
02 41 16 13-0045	SF	4"	Thick Reinforced Concrete Block Foundation Wall Demolition	4.47	
			<i>For >500 To 2,000, Deduct</i>	-0.34	
			<i>For >2,000 To 6,000, Deduct</i>	-0.89	
			<i>For >6,000 To 8,000, Deduct</i>	-1.56	
			<i>For >8,000, Deduct</i>	-2.46	
02 41 16 13-0046	SF	6"	Thick Reinforced Concrete Block Foundation Wall Demolition	4.77	
			<i>For >500 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000 To 6,000, Deduct</i>	-0.95	
			<i>For >6,000 To 8,000, Deduct</i>	-1.67	
			<i>For >8,000, Deduct</i>	-2.62	
02 41 16 13-0047	SF	8"	Thick Reinforced Concrete Block Foundation Wall Demolition	5.38	
			<i>For >500 To 2,000, Deduct</i>	-0.40	
			<i>For >2,000 To 6,000, Deduct</i>	-1.08	
			<i>For >6,000 To 8,000, Deduct</i>	-1.88	
			<i>For >8,000, Deduct</i>	-2.96	
02 41 16 13-0048	SF	10"	Thick Reinforced Concrete Block Foundation Wall Demolition	6.19	
			<i>For >500 To 2,000, Deduct</i>	-0.46	
			<i>For >2,000 To 6,000, Deduct</i>	-1.24	
			<i>For >6,000 To 8,000, Deduct</i>	-2.17	
			<i>For >8,000, Deduct</i>	-3.40	
02 41 16 13-0049	SF	12"	Thick Reinforced Concrete Block Foundation Wall Demolition	6.91	
			<i>For >500 To 2,000, Deduct</i>	-0.52	
			<i>For >2,000 To 6,000, Deduct</i>	-1.38	
			<i>For >6,000 To 8,000, Deduct</i>	-2.42	
			<i>For >8,000, Deduct</i>	-3.80	
02 41 16 13-0050	SF	16"	Thick Reinforced Concrete Block Foundation Wall Demolition	8.63	
			<i>For >500 To 2,000, Deduct</i>	-0.65	
			<i>For >2,000 To 6,000, Deduct</i>	-1.73	
			<i>For >6,000 To 8,000, Deduct</i>	-3.02	
			<i>For >8,000, Deduct</i>	-4.75	

02 41 16 13-0051 Brick Foundation Wall Demolition (02 41 16 13-0021)

02 41 16 13-0052	SF	4"	Thick Brick Foundation Wall Demolition	3.72	
			<i>For >500 To 2,000, Deduct</i>	-0.28	
			<i>For >2,000 To 6,000, Deduct</i>	-0.74	
			<i>For >6,000 To 8,000, Deduct</i>	-1.30	
			<i>For >8,000, Deduct</i>	-2.05	
02 41 16 13-0053	SF	6"	Thick Brick Foundation Wall Demolition	3.98	
			<i>For >500 To 2,000, Deduct</i>	-0.30	
			<i>For >2,000 To 6,000, Deduct</i>	-0.80	
			<i>For >6,000 To 8,000, Deduct</i>	-1.39	
			<i>For >8,000, Deduct</i>	-2.19	
02 41 16 13-0054	SF	8"	Thick Brick Foundation Wall Demolition	4.49	
			<i>For >500 To 2,000, Deduct</i>	-0.34	
			<i>For >2,000 To 6,000, Deduct</i>	-0.90	
			<i>For >6,000 To 8,000, Deduct</i>	-1.57	
			<i>For >8,000, Deduct</i>	-2.47	
02 41 16 13-0055	SF	10"	Thick Brick Foundation Wall Demolition	5.17	
			<i>For >500 To 2,000, Deduct</i>	-0.39	
			<i>For >2,000 To 6,000, Deduct</i>	-1.03	
			<i>For >6,000 To 8,000, Deduct</i>	-1.81	
			<i>For >8,000, Deduct</i>	-2.84	
02 41 16 13-0056	SF	12"	Thick Brick Foundation Wall Demolition	5.75	
			<i>For >500 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000 To 6,000, Deduct</i>	-1.15	
			<i>For >6,000 To 8,000, Deduct</i>	-2.01	
			<i>For >8,000, Deduct</i>	-3.16	
02 41 16 13-0057	SF	16"	Thick Brick Foundation Wall Demolition	7.20	
			<i>For >500 To 2,000, Deduct</i>	-0.54	
			<i>For >2,000 To 6,000, Deduct</i>	-1.44	
			<i>For >6,000 To 8,000, Deduct</i>	-2.52	
			<i>For >8,000, Deduct</i>	-3.96	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 16 13-0058	Stone Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0059	CF Stone Footing Or Foundation Wall Demolition.....	11.85
	For >135 To 405, Deduct	-1.04
	For >405 To 810, Deduct	-2.07
	For >810 To 2025, Deduct	-2.96
	For >2025, Deduct	-4.74
02 41 16 13-0060	Other Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0061	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	12.29
	Note: Includes excavation.	
	For >135 To 405, Deduct	-1.08
	For >405 To 810, Deduct	-2.15
	For >810 To 2025, Deduct	-3.07
	For >2025, Deduct	-4.92
02 41 19	Selective Demolition (02 41)	
02 41 19 13	Selective Building Demolition (02 41 19)	
02 41 19 13-0001	Saw Cutting (02 41 19 13)	
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0002	LF Bituminous Paving Up To 4" Depth, Saw Cut	1.90
	For Each Additional Pass (Depth To 3"), Add	0.72
	For >250, Deduct	-0.18
02 41 19 13-0003	LF Brick Masonry Up To 4" Depth, Saw Cut	6.77
	For Each Additional Pass (Depth To 3"), Add	2.66
	For >250, Deduct	-0.66
02 41 19 13-0004	LF Concrete Block Up To 4" Depth, Saw Cut.....	6.14
	For Each Additional Pass (Depth To 3"), Add	2.40
	For >250, Deduct	-0.60
02 41 19 13-0005	LF Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.21
	For Each Additional Pass (Depth To 3"), Add	0.82
	For >250, Deduct	-0.20
02 41 19 13-0006	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	2.88
	For Each Additional Pass (Depth To 3"), Add	1.08
	For >250, Deduct	-0.26
02 41 19 13-0007	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	4.63
	For Each Additional Pass (Depth To 3"), Add	1.78
	For >250, Deduct	-0.44
02 41 19 13-0008	LF Plain Concrete Walls Up To 4" Depth, Saw Cut.....	8.63
	For Each Additional Pass (Depth To 3"), Add	3.39
	For >250, Deduct	-0.84
02 41 19 13-0009	LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	11.58
	For Each Additional Pass (Depth To 3"), Add	4.56
	For >250, Deduct	-1.13
02 41 19 13-0010	LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	2.26
	For Each Additional Pass (Depth To 3"), Add	0.82
	For >250, Deduct	-0.20
02 41 19 13-0011	LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	6.18
	For Each Additional Pass (Depth To 3"), Add	2.41
	For >250, Deduct	-0.60
02 41 19 13-0012	LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....	6.18
	For Each Additional Pass (Depth To 3"), Add	2.41
	For >250, Deduct	-0.60
02 41 19 13-0013	LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	6.18
	For Each Additional Pass (Depth To 3"), Add	2.41
	For >250, Deduct	-0.60
02 41 19 13-0014	LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	6.18
	For Each Additional Pass (Depth To 3"), Add	2.41
	For >250, Deduct	-0.60
02 41 19 13-0015	EA Saw Cut Minimum Charge.....	805.81
	Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0016	Torch Cutting (02 41 19 13)	
	Note: Includes grinding edge	
02 41 19 13-0017	LF Up To 1/2", Torch Cut Steel Plate.....	2.28
02 41 19 13-0018	LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	4.57
02 41 19 13-0019	LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	6.84
02 41 19 13-0020	LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	9.13
02 41 19 13-0021	LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	11.41
02 41 19 13-0022	LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	13.70
02 41 19 13-0023	EA Torch Cutting Minimum Charge	735.79
	Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0024	Drilling In Existing Materials (02 41 19 13)	
	Note: Includes drill bit wear, water, layout, set-up and clean-up.	
02 41 19 13-0025	Concrete Core Drilling (02 41 19 13-0024)	
02 41 19 13-0026	Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0027	EA		Drill 2" Diameter Core In Up To 4" Concrete.....	42.37	
			<i>For Horizontal Cores, Add</i>	7.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.75	
02 41 19 13-0028	EA		Drill 3" Diameter Core In Up To 4" Concrete.....	60.26	
			<i>For Horizontal Cores, Add</i>	11.25	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.50	
02 41 19 13-0029	EA		Drill 4" Diameter Core In Up To 4" Concrete.....	80.78	
			<i>For Horizontal Cores, Add</i>	15.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.14	
02 41 19 13-0030	EA		Drill 6" Diameter Core In Up To 4" Concrete.....	91.18	
			<i>For Horizontal Cores, Add</i>	16.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.74	
02 41 19 13-0031	EA		Drill 8" Diameter Core In Up To 4" Concrete.....	144.34	
			<i>For Horizontal Cores, Add</i>	27.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.00	
02 41 19 13-0032	EA		Drill 10" Diameter Core In Up To 4" Concrete.....	181.49	
			<i>For Horizontal Cores, Add</i>	33.75	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.49	
02 41 19 13-0033	EA		Drill 12" Diameter Core In Up To 4" Concrete.....	212.15	
			<i>For Horizontal Cores, Add</i>	39.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.74	
02 41 19 13-0034	EA		Drill 14" Diameter Core In Up To 4" Concrete.....	243.16	
			<i>For Horizontal Cores, Add</i>	44.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.98	
02 41 19 13-0035	EA		Drill 18" Diameter Core In Up To 4" Concrete.....	276.45	
			<i>For Horizontal Cores, Add</i>	50.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.23	
02 41 19 13-0036			>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0037	EA		Drill 2" Diameter Core In >4" To 6" Concrete.....	60.82	
			<i>For Horizontal Cores, Add</i>	11.25	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.49	
02 41 19 13-0038	EA		Drill 3" Diameter Core In >4" To 6" Concrete.....	73.79	
			<i>For Horizontal Cores, Add</i>	13.50	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.00	
02 41 19 13-0039	EA		Drill 4" Diameter Core In >4" To 6" Concrete.....	92.69	
			<i>For Horizontal Cores, Add</i>	16.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.74	
02 41 19 13-0040	EA		Drill 6" Diameter Core In >4" To 6" Concrete.....	122.85	
			<i>For Horizontal Cores, Add</i>	22.50	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.00	
02 41 19 13-0041	EA		Drill 8" Diameter Core In >4" To 6" Concrete.....	182.89	
			<i>For Horizontal Cores, Add</i>	33.75	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.49	
02 41 19 13-0042	EA		Drill 10" Diameter Core In >4" To 6" Concrete.....	215.94	
			<i>For Horizontal Cores, Add</i>	39.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.74	
02 41 19 13-0043	EA		Drill 12" Diameter Core In >4" To 6" Concrete.....	247.84	
			<i>For Horizontal Cores, Add</i>	44.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.98	
02 41 19 13-0044	EA		Drill 14" Diameter Core In >4" To 6" Concrete.....	280.87	
			<i>For Horizontal Cores, Add</i>	50.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.23	
02 41 19 13-0045	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	317.23	
			<i>For Horizontal Cores, Add</i>	56.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.48	
02 41 19 13-0046			>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0047	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	68.10	
			<i>For Horizontal Cores, Add</i>	12.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.75	
02 41 19 13-0048	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	81.68	
			<i>For Horizontal Cores, Add</i>	14.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.24	
02 41 19 13-0049	EA		Drill 4" Diameter Core In >6" To 8" Concrete.....	106.85	
			<i>For Horizontal Cores, Add</i>	19.12	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.24	
02 41 19 13-0050	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	148.89	
			<i>For Horizontal Cores, Add</i>	27.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.00	
02 41 19 13-0051	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	243.92	
			<i>For Horizontal Cores, Add</i>	44.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.98	
02 41 19 13-0052	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	278.47	
			<i>For Horizontal Cores, Add</i>	50.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.23	
02 41 19 13-0053	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	311.67	
			<i>For Horizontal Cores, Add</i>	56.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	112.48	
02 41 19 13-0054	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	346.68	
			<i>For Horizontal Cores, Add</i>	61.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	123.71	
02 41 19 13-0055	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	386.12	
			<i>For Horizontal Cores, Add</i>	67.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	134.98	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0056			>8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0057	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	80.98	
			For Horizontal Cores, Add	14.62	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.24	
02 41 19 13-0058	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	95.20	
			For Horizontal Cores, Add	16.87	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.74	
02 41 19 13-0059	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	109.75	
			For Horizontal Cores, Add	19.12	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.24	
02 41 19 13-0060	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	152.43	
			For Horizontal Cores, Add	27.00	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.00	
02 41 19 13-0061	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	248.72	
			For Horizontal Cores, Add	44.99	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.98	
02 41 19 13-0062	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	284.79	
			For Horizontal Cores, Add	50.61	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.23	
02 41 19 13-0063	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	319.19	
			For Horizontal Cores, Add	56.23	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	112.46	
02 41 19 13-0064	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	356.29	
			For Horizontal Cores, Add	61.85	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	123.71	
02 41 19 13-0065	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	398.68	
			For Horizontal Cores, Add	67.48	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	134.95	
02 41 19 13-0066			>10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0067	EA		Drill 2" Diameter Core In >10" To 12" Concrete.....	88.26	
			For Horizontal Cores, Add	15.75	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.50	
02 41 19 13-0068	EA		Drill 3" Diameter Core In >10" To 12" Concrete.....	97.48	
			For Horizontal Cores, Add	16.87	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.74	
02 41 19 13-0069	EA		Drill 4" Diameter Core In >10" To 12" Concrete.....	129.54	
			For Horizontal Cores, Add	22.50	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.00	
02 41 19 13-0070	EA		Drill 6" Diameter Core In >10" To 12" Concrete.....	167.22	
			For Horizontal Cores, Add	29.25	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.50	
02 41 19 13-0071	EA		Drill 8" Diameter Core In >10" To 12" Concrete.....	264.78	
			For Horizontal Cores, Add	47.24	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	94.49	
02 41 19 13-0072	EA		Drill 10" Diameter Core In >10" To 12" Concrete.....	291.11	
			For Horizontal Cores, Add	50.61	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	101.23	
02 41 19 13-0073	EA		Drill 12" Diameter Core In >10" To 12" Concrete.....	338.10	
			For Horizontal Cores, Add	58.50	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.99	
02 41 19 13-0074			>12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0075	IN		Drill 2" Diameter Core In >12" Concrete.....	10.41	
			For Horizontal Cores, Add	1.92	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.85	
02 41 19 13-0076	IN		Drill 3" Diameter Core In >12" Concrete.....	11.63	
			For Horizontal Cores, Add	2.11	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.22	
02 41 19 13-0077	IN		Drill 4" Diameter Core In >12" Concrete.....	15.48	
			For Horizontal Cores, Add	2.81	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.62	
02 41 19 13-0078	IN		Drill 6" Diameter Core In >12" Concrete.....	20.04	
			For Horizontal Cores, Add	3.66	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.32	
02 41 19 13-0079	IN		Drill 8" Diameter Core In >12" Concrete.....	31.93	
			For Horizontal Cores, Add	5.91	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.82	
02 41 19 13-0080	IN		Drill 10" Diameter Core In >12" Concrete.....	34.93	
			For Horizontal Cores, Add	6.35	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.70	
02 41 19 13-0081	IN		Drill 12" Diameter Core In >12" Concrete.....	40.38	
			For Horizontal Cores, Add	7.32	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.63	
02 41 19 13-0082			Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0083			Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0084	EA		Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	34.50	
			For Horizontal Cores, Add	6.30	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.60	
02 41 19 13-0085	EA		Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	49.01	
			For Horizontal Cores, Add	9.00	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0086 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	65.71	
For Horizontal Cores, Add	12.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.12	
02 41 19 13-0087 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	74.32	
For Horizontal Cores, Add	13.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.00	
02 41 19 13-0088 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	117.34	
For Horizontal Cores, Add	21.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.20	
02 41 19 13-0089 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	147.74	
For Horizontal Cores, Add	27.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.99	
02 41 19 13-0090 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	172.78	
For Horizontal Cores, Add	31.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.00	
02 41 19 13-0091 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	198.16	
For Horizontal Cores, Add	35.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.98	
02 41 19 13-0092 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	225.83	
For Horizontal Cores, Add	40.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.98	
02 41 19 13-0093 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0094 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	49.57	
For Horizontal Cores, Add	9.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.99	
02 41 19 13-0095 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	60.28	
For Horizontal Cores, Add	10.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.60	
02 41 19 13-0096 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	75.83	
For Horizontal Cores, Add	13.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.00	
02 41 19 13-0097 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	100.35	
For Horizontal Cores, Add	18.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.00	
02 41 19 13-0098 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	149.14	
For Horizontal Cores, Add	27.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	53.99	
02 41 19 13-0099 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	176.57	
For Horizontal Cores, Add	31.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.00	
02 41 19 13-0100 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	202.84	
For Horizontal Cores, Add	35.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.98	
02 41 19 13-0101 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	230.25	
For Horizontal Cores, Add	40.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.98	
02 41 19 13-0102 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	260.98	
For Horizontal Cores, Add	44.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.98	
02 41 19 13-0103 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0104 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	55.72	
For Horizontal Cores, Add	9.90	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.80	
02 41 19 13-0105 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	67.06	
For Horizontal Cores, Add	11.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.40	
02 41 19 13-0106 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	87.72	
For Horizontal Cores, Add	15.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.59	
02 41 19 13-0107 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	121.89	
For Horizontal Cores, Add	21.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.20	
02 41 19 13-0108 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	198.92	
For Horizontal Cores, Add	35.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	71.98	
02 41 19 13-0109 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block.....	227.85	
For Horizontal Cores, Add	40.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.98	
02 41 19 13-0110 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block.....	255.42	
For Horizontal Cores, Add	44.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	89.98	
02 41 19 13-0111 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block.....	284.82	
For Horizontal Cores, Add	49.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	98.96	
02 41 19 13-0112 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block.....	318.63	
For Horizontal Cores, Add	53.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	107.99	
02 41 19 13-0113 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0114 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block.....	66.36	
For Horizontal Cores, Add	11.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.40	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0115	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	78.34	
			<i>For Horizontal Cores, Add</i>	13.50	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.00	
02 41 19 13-0116	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	90.62	
			<i>For Horizontal Cores, Add</i>	15.30	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.59	
02 41 19 13-0117	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	125.43	
			<i>For Horizontal Cores, Add</i>	21.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.20	
02 41 19 13-0118	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	203.72	
			<i>For Horizontal Cores, Add</i>	35.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.98	
02 41 19 13-0119	EA		Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	234.17	
			<i>For Horizontal Cores, Add</i>	40.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.98	
02 41 19 13-0120	EA		Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	262.96	
			<i>For Horizontal Cores, Add</i>	44.98	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.97	
02 41 19 13-0121	EA		Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	294.43	
			<i>For Horizontal Cores, Add</i>	49.48	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.96	
02 41 19 13-0122	EA		Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	331.20	
			<i>For Horizontal Cores, Add</i>	53.98	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	107.96	
02 41 19 13-0123			>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0124	EA		Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	72.52	
			<i>For Horizontal Cores, Add</i>	12.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.20	
02 41 19 13-0125	EA		Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	80.62	
			<i>For Horizontal Cores, Add</i>	13.50	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.00	
02 41 19 13-0126	EA		Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	107.04	
			<i>For Horizontal Cores, Add</i>	18.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.00	
02 41 19 13-0127	EA		Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	137.97	
			<i>For Horizontal Cores, Add</i>	23.40	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.80	
02 41 19 13-0128	EA		Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	217.53	
			<i>For Horizontal Cores, Add</i>	37.79	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	75.59	
02 41 19 13-0129	EA		Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	240.49	
			<i>For Horizontal Cores, Add</i>	40.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.98	
02 41 19 13-0130	EA		Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	279.60	
			<i>For Horizontal Cores, Add</i>	46.80	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	93.59	
02 41 19 13-0131			>12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0132	IN		Drill 2" Diameter Core In >12" Brick/Concrete Block	8.49	
			<i>For Horizontal Cores, Add</i>	1.54	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.08	
02 41 19 13-0133	IN		Drill 3" Diameter Core In >12" Brick/Concrete Block	9.52	
			<i>For Horizontal Cores, Add</i>	1.69	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.37	
02 41 19 13-0134	IN		Drill 4" Diameter Core In >12" Brick/Concrete Block	12.67	
			<i>For Horizontal Cores, Add</i>	2.25	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.50	
02 41 19 13-0135	IN		Drill 6" Diameter Core In >12" Brick/Concrete Block	16.39	
			<i>For Horizontal Cores, Add</i>	2.93	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.86	
02 41 19 13-0136	IN		Drill 8" Diameter Core In >12" Brick/Concrete Block	26.03	
			<i>For Horizontal Cores, Add</i>	4.73	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.46	
02 41 19 13-0137	IN		Drill 10" Diameter Core In >12" Brick/Concrete Block	28.59	
			<i>For Horizontal Cores, Add</i>	5.08	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.17	
02 41 19 13-0138	IN		Drill 12" Diameter Core In >12" Brick/Concrete Block	33.06	
			<i>For Horizontal Cores, Add</i>	5.85	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.70	
02 41 19 13-0139			Asphalt Core Drilling (02 41 19 13-0024)		
02 41 19 13-0140			Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0141	EA		Drill 1" Diameter Core In Up To 2" Asphalt	15.97	
02 41 19 13-0142	EA		Drill 1-1/2" Diameter Core In Up To 2" Asphalt	20.01	
02 41 19 13-0143	EA		Drill 2" Diameter Core In Up To 2" Asphalt	25.01	
02 41 19 13-0144	EA		Drill 3" Diameter Core In Up To 2" Asphalt	31.10	
02 41 19 13-0145	EA		Drill 4" Diameter Core In Up To 2" Asphalt	39.18	
02 41 19 13-0146	EA		Drill 6" Diameter Core In Up To 2" Asphalt	49.26	
02 41 19 13-0147	EA		Drill 8" Diameter Core In Up To 2" Asphalt	61.57	
02 41 19 13-0148	EA		Drill 10" Diameter Core In Up To 2" Asphalt	76.43	
02 41 19 13-0149	EA		Drill 12" Diameter Core In Up To 2" Asphalt	95.39	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0150	>2" To 3" Thick Asphalt Core Drilling <small>(02 41 19 13-0139)</small>		
02 41 19 13-0151	EA Drill 1" Diameter Core In >2" To 3" Asphalt	19.95	
02 41 19 13-0152	EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	25.91	
02 41 19 13-0153	EA Drill 2" Diameter Core In >2" To 3" Asphalt	31.88	
02 41 19 13-0154	EA Drill 3" Diameter Core In >2" To 3" Asphalt	39.96	
02 41 19 13-0155	EA Drill 4" Diameter Core In >2" To 3" Asphalt	50.03	
02 41 19 13-0156	EA Drill 6" Diameter Core In >2" To 3" Asphalt	63.05	
02 41 19 13-0157	EA Drill 8" Diameter Core In >2" To 3" Asphalt	78.38	
02 41 19 13-0158	EA Drill 10" Diameter Core In >2" To 3" Asphalt	98.15	
02 41 19 13-0159	EA Drill 12" Diameter Core In >2" To 3" Asphalt	122.02	

02 41 19 13-0160	>3" To 4" Thick Asphalt Core Drilling <small>(02 41 19 13-0139)</small>		
02 41 19 13-0161	EA Drill 1" Diameter Core In >3" To 4" Asphalt	25.98	
02 41 19 13-0162	EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	33.02	
02 41 19 13-0163	EA Drill 2" Diameter Core In >3" To 4" Asphalt	40.99	
02 41 19 13-0164	EA Drill 3" Diameter Core In >3" To 4" Asphalt	51.11	
02 41 19 13-0165	EA Drill 4" Diameter Core In >3" To 4" Asphalt	64.33	
02 41 19 13-0166	EA Drill 6" Diameter Core In >3" To 4" Asphalt	80.42	
02 41 19 13-0167	EA Drill 8" Diameter Core In >3" To 4" Asphalt	100.95	
02 41 19 13-0168	EA Drill 10" Diameter Core In >3" To 4" Asphalt	125.74	
02 41 19 13-0169	EA Drill 12" Diameter Core In >3" To 4" Asphalt	156.65	

02 41 19 13-0170	>4" To 6" Thick Asphalt Core Drilling <small>(02 41 19 13-0139)</small>		
02 41 19 13-0171	EA Drill 1" Diameter Core In >4" To 6" Asphalt	34.17	
02 41 19 13-0172	EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	42.33	
02 41 19 13-0173	EA Drill 2" Diameter Core In >4" To 6" Asphalt	52.33	
02 41 19 13-0174	EA Drill 3" Diameter Core In >4" To 6" Asphalt	66.70	
02 41 19 13-0175	EA Drill 4" Diameter Core In >4" To 6" Asphalt	83.11	
02 41 19 13-0176	EA Drill 6" Diameter Core In >4" To 6" Asphalt	103.37	
02 41 19 13-0177	EA Drill 8" Diameter Core In >4" To 6" Asphalt	130.30	
02 41 19 13-0178	EA Drill 10" Diameter Core In >4" To 6" Asphalt	162.18	
02 41 19 13-0179	EA Drill 12" Diameter Core In >4" To 6" Asphalt	202.34	

02 41 19 13-0180	Manhole Core Drilling <small>(02 41 19 13-0024)</small>		
02 41 19 13-0181	EA Drill 4" Diameter Core In Brick Manhole	174.35	
02 41 19 13-0182	EA Drill 5" Diameter Core In Brick Manhole	199.16	
02 41 19 13-0183	EA Drill 6" Diameter Core In Brick Manhole	231.91	
02 41 19 13-0184	EA Drill 8" Diameter Core In Brick Manhole	346.94	
02 41 19 13-0185	EA Drill 2" Diameter Core In Concrete Manhole	232.46	
02 41 19 13-0186	EA Drill 3" Diameter Core In Concrete Manhole	249.23	
02 41 19 13-0187	EA Drill 4" Diameter Core In Concrete Manhole	275.97	
02 41 19 13-0188	EA Drill 5" Diameter Core In Concrete Manhole	296.57	
02 41 19 13-0189	EA Drill 6" Diameter Core In Concrete Manhole	350.83	
02 41 19 13-0190	EA Drill 8" Diameter Core In Concrete Manhole	500.29	
02 41 19 13-0191	EA Drill 2" Diameter Core In Fiberglass Manhole	22.65	
02 41 19 13-0192	EA Drill 3" Diameter Core In Fiberglass Manhole	26.18	
02 41 19 13-0193	EA Drill 4" Diameter Core In Fiberglass Manhole	28.42	
02 41 19 13-0194	EA Drill 5" Diameter Core In Fiberglass Manhole	31.01	
02 41 19 13-0195	EA Drill 6" Diameter Core In Fiberglass Manhole	34.12	
02 41 19 13-0196	EA Drill 8" Diameter Core In Fiberglass Manhole	37.94	

02 41 19 13-0197	Drilling In Concrete Per Inch Of Depth <small>(02 41 19 13-0024)</small>		
Note: Includes layout.			
02 41 19 13-0198	IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.87	
02 41 19 13-0199	IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.98	
02 41 19 13-0200	IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.11	
02 41 19 13-0201	IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.26	
02 41 19 13-0202	IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.47	
02 41 19 13-0203	IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.68	
02 41 19 13-0204	IN 1" Diameter Drilling In Concrete Per Inch Of Depth	2.82	
02 41 19 13-0205	IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.12	
02 41 19 13-0206	IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.53	

02 41 19 13-0207	Drilling In Brick/Concrete Block Per Inch Of Depth <small>(02 41 19 13-0024)</small>		
Note: Includes layout.			
02 41 19 13-0208	IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.58	
02 41 19 13-0209	IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.66	
02 41 19 13-0210	IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.77	
02 41 19 13-0211	IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.88	
02 41 19 13-0212	IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.07	
02 41 19 13-0213	IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.25	
02 41 19 13-0214	IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.37	
02 41 19 13-0215	IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.62	
02 41 19 13-0216	IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.06	

02 41 19 13-0217	Limestone Core Drilling <small>(02 41 19 13-0024)</small>		
02 41 19 13-0218	10" To 14" Thick Limestone Core Drilling <small>(02 41 19 13-0217)</small>		

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0219	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	52.05
02 41 19 13-0220	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	62.88
02 41 19 13-0221	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	68.86
02 41 19 13-0222	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	80.88
02 41 19 13-0223	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	93.12
02 41 19 13-0224	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	129.47
02 41 19 13-0225	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	211.54
02 41 19 13-0226		15" To 18" Thick Limestone Core Drilling (02 41 19 13-0217)	
02 41 19 13-0227	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	57.68
02 41 19 13-0228	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	68.74
02 41 19 13-0229	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	74.99
02 41 19 13-0230	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	82.70
02 41 19 13-0231	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	109.91
02 41 19 13-0232	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	141.91
02 41 19 13-0233	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	225.09
02 41 19 13-0234		19" To 24" Thick Limestone Core Drilling (02 41 19 13-0217)	
02 41 19 13-0235	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	63.20
02 41 19 13-0236	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	74.48
02 41 19 13-0237	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	80.96
02 41 19 13-0238	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	93.88
02 41 19 13-0239	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	131.21
02 41 19 13-0240	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	163.69
02 41 19 13-0241	EA	Drill 8" Diameter Core In 19" To 24" Limestone.....	243.10
02 41 19 13-0242		Minimum Charge For Core Drilling (02 41 19 13-0024)	
02 41 19 13-0243	EA	Core Drill Minimum Charge.....	649.41
		Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	
02 41 19 13-0244		Cutouts (02 41 19 13)	
		Note: Includes cleaning and removal. For vertical heights over 14' add appropriate equipment rental (scaffolding, lifts). Not to be used for openings greater than 24 SF. Excludes saw cutting.	
02 41 19 13-0245		Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0244)	
02 41 19 13-0246	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	40.43
02 41 19 13-0247	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	42.88
02 41 19 13-0248	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	45.34
02 41 19 13-0249	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	47.79
02 41 19 13-0250	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	49.01
02 41 19 13-0251		Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0244)	
		Note: Includes cutting and removing steel decking.	
02 41 19 13-0252	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	49.28
02 41 19 13-0253	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	52.27
02 41 19 13-0254	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	55.26
02 41 19 13-0255	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	58.24
02 41 19 13-0256	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	59.73
02 41 19 13-0257		Reinforced Concrete Wall Cutouts (02 41 19 13-0244)	
02 41 19 13-0258	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	50.54
02 41 19 13-0259	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	53.61
02 41 19 13-0260	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	56.67
02 41 19 13-0261	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	59.73
02 41 19 13-0262	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	61.26
02 41 19 13-0263		Brick Wall Cutouts (02 41 19 13-0244)	
		Note: Excludes toothing.	
02 41 19 13-0264	SF	4" Thick Brick Wall Cutouts, <24 SF.....	15.32
02 41 19 13-0265	SF	6" Thick Brick Wall Cutouts, <24 SF.....	25.28
02 41 19 13-0266	SF	8" Thick Brick Wall Cutouts, <24 SF.....	35.19
02 41 19 13-0267	SF	10" Thick Brick Wall Cutouts, <24 SF.....	42.88
02 41 19 13-0268	SF	12" Thick Brick Wall Cutouts, <24 SF.....	51.31
02 41 19 13-0269	SF	16" Thick Brick Wall Cutouts, <24 SF.....	60.50
02 41 19 13-0270		Concrete Block Wall Cutouts (02 41 19 13-0244)	
		Note: Excludes toothing.	
02 41 19 13-0271	SF	4" Thick Concrete Block Wall Cutouts, <24 SF.....	25.33
02 41 19 13-0272	SF	6" Thick Concrete Block Wall Cutouts, <24 SF.....	26.83
02 41 19 13-0273	SF	8" Thick Concrete Block Wall Cutouts, <24 SF.....	28.34
02 41 19 13-0274	SF	10" Thick Concrete Block Wall Cutouts, <24 SF.....	29.87
02 41 19 13-0275	SF	12" Thick Concrete Block Wall Cutouts, <24 SF.....	30.64
02 41 19 13-0276	SF	16" Thick Concrete Block Wall Cutouts, <24 SF.....	32.17

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

02 41 19 13-0277		Limestone Cutouts (02 41 19 13-0244)		
02 41 19 13-0278	SF	2" Thick Limestone Cutouts, <24 SF		42.88
02 41 19 13-0279	SF	4" Thick Limestone Cutouts, <24 SF		52.07
02 41 19 13-0280	SF	6" Thick Limestone Cutouts, <24 SF		55.14
02 41 19 13-0281	SF	8" Thick Limestone Cutouts, <24 SF		58.20
02 41 19 13-0282	SF	10" Thick Limestone Cutouts, <24 SF		61.26
02 41 19 13-0283	SF	12" Thick Limestone Cutouts, <24 SF		64.33

02 41 19 13-0284		Toothed Masonry Cutouts (02 41 19 13-0244)		
Note: For use where existing masonry must be removed in a toothed pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.				
02 41 19 13-0285	VLF	Brick, Soft Old Mortar, Toothed Masonry Cutouts.....		15.32
02 41 19 13-0286	VLF	Brick, Hard Mortar, Toothed Masonry Cutouts.....		20.68
02 41 19 13-0287	VLF	Concrete Block, Soft Old Mortar, Toothed Masonry Cutouts		9.19
02 41 19 13-0288	VLF	Concrete Block, Hard Mortar, Toothed Masonry Cutouts		12.25

02 41 19 13-0289		Minimum Charge For Cutouts (02 41 19 13-0244)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.				
02 41 19 13-0290	EA	Cutouts Minimum Charge		306.32

02 41 19 13-0291		Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0292		Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0291)		
02 41 19 13-0293	VLF	8" x 8" Masonry Column Removal		12.02
02 41 19 13-0294	VLF	10" x 10" Masonry Column Removal		18.77
02 41 19 13-0295	VLF	12" x 12" Masonry Column Removal		24.05
02 41 19 13-0296	VLF	14" x 14" Masonry Column Removal		30.11
02 41 19 13-0297	VLF	16" x 16" Masonry Column Removal		36.99
02 41 19 13-0298	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square		20.77

02 41 19 13-0299		Masonry Chimney Removal (02 41 19 13-0291)		
02 41 19 13-0300	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed		24.37
02 41 19 13-0301	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed		18.30
02 41 19 13-0302	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		14.00
02 41 19 13-0303	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed		9.70

02 41 19 13-0304		Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0291)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0305	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping		16.47
02 41 19 13-0306	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping		24.48
02 41 19 13-0307	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping		46.51

02 41 19 13-0308		Facade Removal (02 41 19 13-0291)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0309	SF	Brick Or Block Facade Removal		4.58
		<i>For Cleaning and Storage For Reuse, Add</i>		6.87
		<i>For Reinforcing, Add</i>		0.69

02 41 19 13-0310		Exterior Masonry Removal (02 41 19 13-0291)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0311	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....		4.02
02 41 19 13-0312	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall.....		4.54
02 41 19 13-0313	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....		5.48
02 41 19 13-0314	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....		6.00
02 41 19 13-0315	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....		6.59
02 41 19 13-0316	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....		8.24
02 41 19 13-0317	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall		4.75
02 41 19 13-0318	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall		5.44
02 41 19 13-0319	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall		6.59
02 41 19 13-0320	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall		7.21
02 41 19 13-0321	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall		7.91
02 41 19 13-0322	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall		9.89
02 41 19 13-0323	SF	Demolish 4" Thick Brick Exterior Wall.....		4.02
		<i>For Cleaning and Storage For Reuse, Add</i>		6.03
02 41 19 13-0324	SF	Demolish 6" Thick Brick Exterior Wall.....		4.54
		<i>For Cleaning and Storage For Reuse, Add</i>		6.81
02 41 19 13-0325	SF	Demolish 8" Thick Brick Exterior Wall.....		5.48
		<i>For Cleaning and Storage For Reuse, Add</i>		8.22
02 41 19 13-0326	SF	Demolish 10" Thick Brick Exterior Wall.....		6.00
		<i>For Cleaning and Storage For Reuse, Add</i>		9.00

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0327	SF	Demolish 12" Thick Brick Exterior Wall <i>For Cleaning and Storage For Reuse, Add</i>	6.59	9.89
02 41 19 13-0328	SF	Demolish 16" Thick Brick Exterior Wall <i>For Cleaning and Storage For Reuse, Add</i>	8.24	12.36
02 41 19 13-0329	CF	Exterior Brick, Concrete Block Or Composite Removal <i>For Cleaning and Storage For Reuse, Add</i>	11.71	17.57
02 41 19 13-0330		Parapet Masonry Removal (02 41 19 13-0291) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0331	SF	Demolish 8" Thick Concrete Block And Brick Parapet Wall	6.59	
02 41 19 13-0332	SF	Demolish 12" Thick Concrete Block And Brick Parapet Wall	7.32	
02 41 19 13-0333	SF	Demolish 16" Thick Concrete Block And Brick Parapet Wall	9.52	
02 41 19 13-0334	SF	Demolish 18" Thick Concrete Block And Brick Parapet Wall	10.98	
02 41 19 13-0335	SF	Demolish 24" Thick Concrete Block And Brick Parapet Wall	12.44	
02 41 19 13-0336		Lintel Removal (02 41 19 13-0291) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0337	LF	Demolish Steel Lintel	7.14	
02 41 19 13-0338	LF	Demolish Concrete Or Stone Lintel	9.52	
02 41 19 13-0339	LF	Demolish Steel Shelf Angle	7.54	
02 41 19 13-0340		Reinstall Lintel (02 41 19 13-0291) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0341	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	3.94	
02 41 19 13-0342	LF	Reinstall Existing Concrete Or Stone Lintel	9.52	
02 41 19 13-0343	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	39.81	
02 41 19 13-0344	LF	Reinstall Existing Steel Lintel	15.88	
02 41 19 13-0345	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	71.12	
02 41 19 13-0346	LF	Removal And Replacement Of Steel Lintel Over Window Openings	124.11	
02 41 19 16		Selective Interior Demolition (02 41 19) Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001		Demolish Ceiling (02 41 19 16)		
02 41 19 16-0002	SF	Demolish Drywall Ceiling	0.78	
02 41 19 16-0003	SF	Demolish Furred Plastered Ceiling	1.82	
02 41 19 16-0004	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.40	
02 41 19 16-0005		Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0006		Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0005) Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0007		Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0006)		
02 41 19 16-0008	SF	Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.27	
02 41 19 16-0009	SF	Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.56	
02 41 19 16-0010	SF	Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	5.13	
02 41 19 16-0011	SF	Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.60	
02 41 19 16-0012	SF	Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	8.25	
02 41 19 16-0013	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	5.12	
02 41 19 16-0014	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.46	
02 41 19 16-0015	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	6.17	
02 41 19 16-0016	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.92	
02 41 19 16-0017	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.89	
02 41 19 16-0018		Demolish Brick Interior Partition/Walls (02 41 19 16-0006)		
02 41 19 16-0019	SF	Demolish 4" Thick Brick Interior Partition/Wall	4.27	
02 41 19 16-0020	SF	Demolish 8" Thick Brick Interior Partition/Wall	5.13	
02 41 19 16-0021	SF	Demolish 12" Thick Brick Interior Partition/Wall	6.59	
02 41 19 16-0022	SF	Demolish 16" Thick Brick Interior Partition/Wall	8.24	
02 41 19 16-0023		Demolish Glass Block Interior Partition/Walls (02 41 19 16-0006)		
02 41 19 16-0024	SF	Demolish Glass Block Interior Partition/Walls	3.66	
02 41 19 16-0025		Demolish Concrete Interior Partition/Walls (02 41 19 16-0006) See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0026	SF	Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.75	
02 41 19 16-0027	SF	Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.70	
02 41 19 16-0028	SF	Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	13.58	
02 41 19 16-0029	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	9.31	
02 41 19 16-0030	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	11.71	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

02 41 19 16-0031 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall 16.29

02 41 19 16-0032 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0005)

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0033 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side 2.58
 For Heights >14' To 20', Add 0.39
 For Heights >20', Add 0.52

02 41 19 16-0034 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides..... 3.01
 For Heights >14' To 20', Add 0.45
 For Heights >20', Add 0.60

02 41 19 16-0035 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side..... 3.30
 For Heights >14' To 20', Add 0.50
 For Heights >20', Add 0.66

02 41 19 16-0036 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides..... 4.58
 For Heights >14' To 20', Add 0.69
 For Heights >20', Add 0.92

02 41 19 16-0037 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall..... 1.36
 For Heights >14' To 20', Add 0.20
 For Heights >20', Add 0.27

02 41 19 16-0038 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall..... 1.62
 For Heights >14' To 20', Add 0.24
 For Heights >20', Add 0.32

02 41 19 16-0039 Demolish Concrete Stair (02 41 19 16)

02 41 19 16-0040 CF Demolish Interior Reinforced Concrete Stairs..... 6.59
 02 41 19 16-0041 CF Demolish Exterior Reinforced Concrete Stairs..... 5.51

02 42 Removal and Salvage of Construction Materials (02 40)

02 42 21 Salvage of Construction Materials (02 42)

Note: Salvage tasks include placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)

02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002 SQ Removal Of Clay Roof Tile, Salvage For Re-use..... 237.44

02 42 21 47 Flooring Salvage (02 42 21)

02 42 21 47-0001 Remove And Salvage For Re-Use (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002 SF Removal Of Brick Flooring And Salvage..... 2.16
 02 42 21 47-0003 SF Removal Of Ceramic/Quarry Tile Floor And Salvage 2.16
 02 42 21 47-0004 SF Removal Of Terrazzo Flooring And Salvage..... 2.99
 02 42 21 47-0005 SF Removal Of Wood Strip Flooring And Salvage..... 1.75
 02 42 21 47-0006 SF Removal Of Wood Parquet Flooring And Salvage..... 0.92
 02 42 21 47-0007 SF Removal Of Resilient/Linoleum Flooring And Salvage 0.66

02 43 Structure Moving (02 40)

02 43 13 Structure Relocation (02 43)

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation (02 43 13)

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building 29.42
 02 43 13 13-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building..... 27.81
 02 43 13 13-0004 SF >920 SF, Move Relocatable Metal Frame Building..... 26.03
 02 43 13 13-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building 23.61
 02 43 13 13-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building 22.07
 02 43 13 13-0007 SF >920 SF, Move Relocatable Wood Frame Building 19.52
 02 43 13 13-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building..... 28.59
 02 43 13 13-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building 26.03
 02 43 13 13-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building 22.07

02 50 Site Remediation (02)

02 58 Snow Control (02 50)

02 58 13 Snow Fencing (02 58)

02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)

02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence 5.90 1.72

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 58 Snow Control**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**02 60 Contaminated Site Material Removal** (02)**02 61 Removal and Disposal of Contaminated Soils** (02 60)**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Removal And Disposal Of Petroleum Contaminated Soil (02 61 13)02 61 13 00-0002 CY Remove And Dispose Of Petroleum Contaminated Soil113.56
Note: Includes loading, hauling up to 25 miles, disposal and fees.**02 61 13 00-0003 Accessories For Contaminated Soil Stockpile** (02 61 13)

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0004 SF 10 Mil Liner For Contaminated Soil Storage0.68
02 61 13 00-0005 SF 20 Mil Liner For Contaminated Soil Storage0.99
02 61 13 00-0006 SF 30 Mil Liner For Contaminated Soil Storage1.14**02 65 Underground Storage Tank Removal** (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0034 for hauling, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis (02 65)**02 65 00 00-0002 Direct-Push Samples For Testing** (02 65 00 00-0001)02 65 00 00-0003 EA Mobilize Direct-Push Sampling Machine.....214.79
02 65 00 00-0004 EA Collection Of Direct-Push Soil Or Water Sample212.33**02 65 00 00-0005 Field Samples For Testing Underground Storage Tank** (02 65 00 00-0001)02 65 00 00-0006 EA Collection Of Sludge Sample For Underground Storage Tank20.39
02 65 00 00-0007 EA Collection Of Pumpable Liquids Sample For Underground Storage Tank20.39
02 65 00 00-0008 EA Collection Of Soil Sample From Excavated Soil20.39**02 65 00 00-0009 Lab Tests For Underground Storage Tank Removal** (02 65 00 00-0001)

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0010 EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test139.72
Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.
02 65 00 00-0011 EA Flashpoint, Lab Test54.34
Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.
02 65 00 00-0012 EA TOX 9020, Lab Test.....130.71
Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.
02 65 00 00-0013 EA TPH 8015 Modified, Lab Test139.72
Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.
02 65 00 00-0014 EA TRPH 418.1, Lab Test108.68
Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.
02 65 00 00-0015 EA VOC, Lab Test.....294.98
Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.
02 65 00 00-0016 EA Semi-Volatile Organic, Lab Test543.38
Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.
02 65 00 00-0017 EA Oil And Grease 413.1, Lab Test.....65.36
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.
02 65 00 00-0018 EA TCLP (Extraction) - Metals, Lab Test.....116.44
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.
02 65 00 00-0019 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....155.25
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.
02 65 00 00-0020 EA Metals 6010 RCRA, Lab Test173.88
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.
02 65 00 00-0021 EA Metals (Arsenic) 7060, Lab Test23.29
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.
02 65 00 00-0022 EA Metals (Selenium) 7740, Lab Test23.29
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.
02 65 00 00-0023 EA Metals (Lead) 7421, Lab Test23.29
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.
02 65 00 00-0024 EA Metals (Mercury) 7470, Lab Test43.47
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.
02 65 00 00-0025 EA PNA/PAH 8100, Lab Test248.40
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.
02 65 00 00-0026 EA Fuel Id ASTM D3328-78, Lab Test89.86
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.
02 65 00 00-0027 EA pH, Lab Test18.63
02 65 00 00-0028 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater232.88
02 65 00 00-0029 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test139.72**02 65 00 00-0030 Remove Tank Contents** (02 65)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0031	Transfer Liquid <small>(02 65 00 00-0030)</small>			
		Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0032	GAL	Transfer Reusable Liquid To Different Tank	0.59	
		Note: Per gallon of material transferred.		
02 65 00 00-0033		Remove And Dispose Of Liquid From Tank <small>(02 65 00 00-0030)</small>		
02 65 00 00-0034	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.87	
02 65 00 00-0035	GAL	Removal and Disposal Of Non Hazardous Liquid From Tank	0.85	
02 65 00 00-0036		Remove And Dispose Of Solids Or Sludge <small>(02 65 00 00-0030)</small>		
		Note: Includes scraping and solidifying agent.		
02 65 00 00-0037	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.21	
02 65 00 00-0038	GAL	Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank	4.62	
02 65 00 00-0039		Purge Vapors, Open And Clean Tank <small>(02 65)</small>		
02 65 00 00-0040		Purge Vapors, Open, And Clean Tank Interior <small>(02 65 00 00-0039)</small>		
		Note: Includes cutting openings in tank, dry ice for pruging vapors, pressure washing tank interior and disposal of rinse water.		
02 65 00 00-0041	EA	Purge Vapors, Open And Clean Up To 275 Gal Tank Interior	476.72	
02 65 00 00-0042	EA	Purge Vapors, Open And Clean >275 - 500 Gal Tank Interior	796.47	
02 65 00 00-0043	EA	Purge Vapors, Open And Clean >500 - 1,000 Gal Tank Interior	1,224.89	
02 65 00 00-0044	EA	Purge Vapors, Open And Clean >1,000 - 2,000 Gal Tank Interior	1,713.66	
02 65 00 00-0045	EA	Purge Vapors, Open And Clean >2,000 - 5,000 Gal Tank Interior	2,691.17	
02 65 00 00-0046	EA	Purge Vapors, Open And Clean >5,000 - 10,000 Gal Tank Interior	3,910.11	
02 65 00 00-0047		Tank And Piping Removal <small>(02 65)</small>		
		Note: Excludes excavation.		
02 65 00 00-0048		Removal And Disposal Of Piping <small>(02 65 00 00-0047)</small>		
		Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0049	LF	Up To 4", Removal And Disposal Of Piping	14.85	
02 65 00 00-0050	LF	>4" To 8", Removal And Disposal Of Piping	19.79	
02 65 00 00-0051		Remove And Dispose Of Tank <small>(02 65 00 00-0047)</small>		
		Note: Includes removal, inspection, loading and transporting tank to disposal facility or transfer station within 15 miles, and disposal fees. Removal is from excavation for UST, or from building interior for AST.		
02 65 00 00-0052	EA	Remove and Dispose of Up To 275 Gal Tank	813.17	
		<i>For Each Additional Mile > 15 Miles, Add</i>	1.46	
02 65 00 00-0053	EA	Remove and Dispose of >275 - 500 Gal Tank	1,132.93	
		<i>For Each Additional Mile > 15 Miles, Add</i>	1.88	
02 65 00 00-0054	EA	Remove and Dispose of >500 - 1,000 Gal Tank	1,677.35	
		<i>For Each Additional Mile > 15 Miles, Add</i>	2.92	
02 65 00 00-0055	EA	Remove and Dispose of >1,000 - 2,000 Gal Tank	2,182.46	
		<i>For Each Additional Mile > 15 Miles, Add</i>	3.54	
02 65 00 00-0056	EA	Remove and Dispose of >2,000 - 5,000 Gal Tank	4,019.68	
		<i>For Each Additional Mile > 15 Miles, Add</i>	6.67	
02 65 00 00-0057	EA	Remove and Dispose of >5,000 - 10,000 Gal Tank	6,593.59	
		<i>For Each Additional Mile > 15 Miles, Add</i>	11.26	
02 65 00 00-0058		Tank Closure Report <small>(02 65 00 00-0047)</small>		
		Note: Excludes soils tests. See CSI section 02 65 00 00-0009 for soil tests.		
02 65 00 00-0059	EA	Prepare Tank Closure Report	3,294.38	

02 80 Facility Remediation (02)

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)

		Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	84.02
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	42.20
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	49.48
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	78.59
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	135.34
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	164.45
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	33.47
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	40.75
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	55.30
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	42.20
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	49.48
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	78.59
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	135.34

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	155.72
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	216.84

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects.

02 82 33 00-0001		Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0002		Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003		Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,065.85
		For Work In Restricted Working Space, Add	313.17
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	36.69
		For Work In Restricted Working Space, Add	10.68
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	27.79
		For Work In Restricted Working Space, Add	8.01
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	21.11
		For Work In Restricted Working Space, Add	6.00
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.11
		For Work In Restricted Working Space, Add	4.50
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.16
		For Work In Restricted Working Space, Add	3.92
02 82 33 00-0010		>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	SET	Up To 20 LF Pipe Insulation, > 6" Diameter.....	1,087.81
		For Work In Restricted Working Space, Add	313.17
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	43.13
		For Work In Restricted Working Space, Add	12.28
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	32.89
		For Work In Restricted Working Space, Add	9.21
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	25.21
		For Work In Restricted Working Space, Add	6.90
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	19.46
		For Work In Restricted Working Space, Add	5.18
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.21
		For Work In Restricted Working Space, Add	4.50
02 82 33 00-0017		Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.	
02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal.....	678.72
		For Work In Restricted Working Space, Add	201.64
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation.....	114.22
		For Work In Restricted Working Space, Add	33.61
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation.....	45.69
		For Work In Restricted Working Space, Add	13.05
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation.....	34.80
		For Work In Restricted Working Space, Add	9.78
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation.....	26.66
		For Work In Restricted Working Space, Add	7.34
02 82 33 00-0023		Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0024		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023) Note: e.g., duct, boiler, tank, etc.	
02 82 33 00-0025	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	1,057.62
02 82 33 00-0026	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	36.14
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	28.58
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	21.56
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	16.32
02 82 33 00-0030		Surfacing Material, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0031		Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Exposed surface area, includes associated overspray.	
02 82 33 00-0032	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal.....	1,057.62
02 82 33 00-0033	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	43.24
02 82 33 00-0034	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	32.57
02 82 33 00-0035	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	24.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0036	SF		>10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	18.55	
02 82 33 00-0037			Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0038	SET		Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	1,053.05	
02 82 33 00-0039	SF		>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	18.20	
02 82 33 00-0040	SF		>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	13.86	
02 82 33 00-0041	SF		>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	10.37	
02 82 33 00-0042	SF		>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.77	
02 82 33 00-0043			Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0044	SET		Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	1,062.20	
			<i>For Additional Layer, Add</i>	287.07	
02 82 33 00-0045	SF		>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	14.07	
			<i>For Additional Layer, Add</i>	3.77	
02 82 33 00-0046	SF		>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	10.37	
			<i>For Additional Layer, Add</i>	2.75	
02 82 33 00-0047	SF		>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	8.20	
			<i>For Additional Layer, Add</i>	2.15	
02 82 33 00-0048	SF		>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	6.46	
			<i>For Additional Layer, Add</i>	1.67	
02 82 33 00-0049	SF		>50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.16	
			<i>For Additional Layer, Add</i>	1.32	
02 82 33 00-0050			Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0051	SET		Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	1,053.05	
02 82 33 00-0052	SF		>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	26.38	
02 82 33 00-0053	SF		>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	19.43	
02 82 33 00-0054	SF		>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	15.24	
02 82 33 00-0055	SF		>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	11.94	
02 82 33 00-0056	SF		>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	8.63	
02 82 33 00-0057			Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0058	SET		Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	1,062.20	
02 82 33 00-0059	SF		>50 To 500 SF, Stucco, Asbestos Abatement And Disposal.....	30.62	
02 82 33 00-0060	SF		>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	23.06	
02 82 33 00-0061	SF		>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal.....	17.38	
02 82 33 00-0062	SF		>10,000 SF, Stucco, Asbestos Abatement And Disposal.....	13.14	
02 82 33 00-0063			Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0031 for areas > 1 SF.		
02 82 33 00-0064	EA		Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	174.53	
			Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.		
02 82 33 00-0065			Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0066	SET		Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	1,058.54	
02 82 33 00-0067	SF		>50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	15.16	
02 82 33 00-0068	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	7.49	
02 82 33 00-0069	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.18	
02 82 33 00-0070	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	4.46	
02 82 33 00-0071			Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0072			Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0071)		
02 82 33 00-0073			Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0072) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0074	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	1,047.56	
			<i>For Each Additional Layer, Add</i>	261.89	
02 82 33 00-0075	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	7.49	
			<i>For Each Additional Layer, Add</i>	1.87	
02 82 33 00-0076	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	6.16	
			<i>For Each Additional Layer, Add</i>	1.54	
02 82 33 00-0077	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	4.94	
			<i>For Each Additional Layer, Add</i>	1.24	
02 82 33 00-0078	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	3.46	
			<i>For Each Additional Layer, Add</i>	0.87	
02 82 33 00-0079			Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0072) Note: Single layer or first of multiple layers. Excludes mastic.		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-080	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal <i>For Each Additional Layer, Add</i>	1,047.56 261.89
02 82 33 00-081	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal <i>For Each Additional Layer, Add</i>	7.49 1.87
02 82 33 00-082	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal <i>For Each Additional Layer, Add</i>	6.18 1.55
02 82 33 00-083	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal <i>For Each Additional Layer, Add</i>	5.62 1.41
02 82 33 00-084	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal <i>For Each Additional Layer, Add</i>	4.56 1.14
02 82 33 00-085		Carpet, Asbestos Abatement And Disposal (02 82 33 00-0072)	
02 82 33 00-086	SET	Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	1,047.56
02 82 33 00-087	SF	>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	5.88
02 82 33 00-088	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	4.79
02 82 33 00-089	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	3.54
02 82 33 00-090	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	2.72
02 82 33 00-091		Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0072) Note: Up to 12".	
02 82 33 00-092	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	352.53
02 82 33 00-093	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	4.82
02 82 33 00-094	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.97
02 82 33 00-095	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.92
02 82 33 00-096	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.41
02 82 33 00-097		Mastic, Asbestos Abatement And Disposal (02 82 33 00-0071) Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.	
02 82 33 00-098	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,053.06
02 82 33 00-099	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.69
02 82 33 00-100	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.99
02 82 33 00-101	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.56
02 82 33 00-102	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.26
02 82 33 00-103		Roofing, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-104		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0103) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.	
02 82 33 00-105		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)	
02 82 33 00-106	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,089.65
02 82 33 00-107	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.04
02 82 33 00-108	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.71
02 82 33 00-109	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.64
02 82 33 00-110	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.57
02 82 33 00-111	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	2.77
02 82 33 00-112		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)	
02 82 33 00-113	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,124.40
02 82 33 00-114	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.33
02 82 33 00-115	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.78
02 82 33 00-116	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.61
02 82 33 00-117	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.39
02 82 33 00-118	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.46
02 82 33 00-119		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)	
02 82 33 00-120	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,164.65
02 82 33 00-121	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.54
02 82 33 00-122	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.82
02 82 33 00-123	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.52
02 82 33 00-124	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.16
02 82 33 00-125	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0126			Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0103)		
02 82 33 00-0127			Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0126)		
02 82 33 00-0128	SET		Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,055.33	
02 82 33 00-0129	SF		>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	6.76	
			<i>For Each Additional Layer, Add</i>	1.69	
02 82 33 00-0130	SF		>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.43	
			<i>For Each Additional Layer, Add</i>	1.36	
02 82 33 00-0131	SF		>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.36	
			<i>For Each Additional Layer, Add</i>	1.09	
02 82 33 00-0132	SF		>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.29	
			<i>For Each Additional Layer, Add</i>	0.82	
02 82 33 00-0133	SF		>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.49	
			<i>For Each Additional Layer, Add</i>	0.62	
02 82 33 00-0134			Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0135			Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0134) Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0136	SET		Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1,062.19	
02 82 33 00-0137	SF		>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.30	
02 82 33 00-0138	SF		>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.74	
02 82 33 00-0139	SF		>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.03	
02 82 33 00-0140	SF		>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.65	
02 82 33 00-0141			Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0134) Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0142	SET		Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1,062.19	
02 82 33 00-0143	SF		>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.36	
02 82 33 00-0144	SF		>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	3.34	
02 82 33 00-0145	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.71	
02 82 33 00-0146	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.38	
02 82 33 00-0147			Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0134) Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0148	SET		Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	891.87	
02 82 33 00-0149	LF		>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	37.79	
02 82 33 00-0150	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	28.89	
02 82 33 00-0151	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	22.21	
02 82 33 00-0152	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	17.21	
02 82 33 00-0153	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	13.46	
02 82 33 00-0154	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	13.20	
02 82 33 00-0155			Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0134) Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0156	SET		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,074.91	
02 82 33 00-0157	SF		>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.74	
02 82 33 00-0158	SF		>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.63	
02 82 33 00-0159	SF		>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.74	
02 82 33 00-0160	SF		>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.85	
02 82 33 00-0161	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.18	
02 82 33 00-0162			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0163			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0162) Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0164	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	717.89 208.78	
02 82 33 00-0165	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	71.40 20.76	
02 82 33 00-0166	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	48.34 13.84	
02 82 33 00-0167	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	36.85 10.40	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 33 00-0168	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	29.88	
		<i>For Work In Restricted Working Space, Add</i>	8.30	
02 82 33 00-0169	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.73	
		<i>For Work In Restricted Working Space, Add</i>	7.06	
02 82 33 00-0170	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	23.37	
		<i>For Work In Restricted Working Space, Add</i>	6.35	
02 82 33 00-0171	SF	HEPA Vacuum Asbestos Debris Prior To Abatement, Asbestos Abatement And Disposal.....	0.24	
		<i>For Work In Restricted Working Space, Add</i>	0.06	
02 82 33 00-0172		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal <small>(02 82 33 00-0162)</small>		
02 82 33 00-0173	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	738.09	
02 82 33 00-0174	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	72.82	
02 82 33 00-0175	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	52.06	
02 82 33 00-0176	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	41.73	
02 82 33 00-0177	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	35.46	
02 82 33 00-0178	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	31.71	
02 82 33 00-0179	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	29.60	
02 82 33 00-0180		Other Asbestos Containing Materials, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
02 82 33 00-0181		30" To 36" Fire Door, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
02 82 33 00-0182	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	357.84	
02 82 33 00-0183	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	135.15	
02 82 33 00-0184	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	122.63	
02 82 33 00-0185		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
02 82 33 00-0186	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	348.42	
02 82 33 00-0187	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	7.17	
02 82 33 00-0188	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	5.38	
02 82 33 00-0189	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.64	
02 82 33 00-0190	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	4.00	
02 82 33 00-0191	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.43	
02 82 33 00-0192	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.96	
02 82 33 00-0193		Grout, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
		Note: e.g. flue grout.		
02 82 33 00-0194	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	348.26	
02 82 33 00-0195	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	13.73	
02 82 33 00-0196	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	9.46	
02 82 33 00-0197	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	8.11	
02 82 33 00-0198	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	6.97	
02 82 33 00-0199	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	6.01	
02 82 33 00-0200	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....	5.16	
02 82 33 00-0201		Gaskets, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
		Note: e.g. rope, web cloth, flat.		
02 82 33 00-0202	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	348.42	
02 82 33 00-0203	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	18.50	
02 82 33 00-0204	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	13.89	
02 82 33 00-0205	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	11.84	
02 82 33 00-0206	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	10.66	
02 82 33 00-0207	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	9.59	
02 82 33 00-0208	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	9.13	
02 82 33 00-0209		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
		Note: e.g. grid, spline, or glued on.		
02 82 33 00-0210	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	705.09	
		Note: Including Glue Removal		
02 82 33 00-0211	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	14.97	
		Note: Including Glue Removal		
02 82 33 00-0212	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	7.30	
		Note: Including Glue Removal		
02 82 33 00-0213	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	4.99	
		Note: Including Glue Removal		
02 82 33 00-0214	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....	4.27	
		Note: Including Glue Removal		
02 82 33 00-0215		Caulking, Asbestos Abatement And Disposal <small>(02 82 33 00-0180)</small>		
02 82 33 00-0216		Caulking, Interior And Exterior <small>(02 82 33 00-0215)</small>		
		Note: Includes Glazing Compound.		
02 82 33 00-0217	SET	Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal.....	348.26	
02 82 33 00-0218	LF	>10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal.....	10.30	
02 82 33 00-0219	LF	>50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal.....	7.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0220	LF		>100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	5.42	
02 82 33 00-0221	LF		>250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	4.07	
02 82 33 00-0222	LF		>1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	3.23	
02 82 33 00-0223	LF		>2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	2.80	
02 82 33 00-0224			Expansion Joints, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0225	SET		Up To 10 LF, Expansion Joints, Asbestos Abatement And Disposal	348.26	
02 82 33 00-0226	LF		>10 To 50 LF, Expansion Joints, Asbestos Abatement And Disposal	18.48	
02 82 33 00-0227	LF		>50 To 250 LF, Expansion Joints, Asbestos Abatement And Disposal	13.87	
02 82 33 00-0228	LF		>250 To 500 LF, Expansion Joints, Asbestos Abatement And Disposal	11.82	
02 82 33 00-0229	LF		>500 To 1,500 LF, Expansion Joints, Asbestos Abatement And Disposal	10.64	
02 82 33 00-0230	LF		>2,500 LF, Expansion Joints, Asbestos Abatement And Disposal	9.11	
02 82 33 00-0231			Brick And Block, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0232	SET		Up To 10 CF, Brick And Block, Asbestos Abatement And Disposal	717.89	
			<i>For Work In Restricted Working Space, Add</i>	208.78	
02 82 33 00-0233	CF		>10 To 100 CF, Brick And Block, Asbestos Abatement And Disposal	71.40	
			<i>For Work In Restricted Working Space, Add</i>	20.76	
02 82 33 00-0234	CF		>100 To 250 CF, Brick And Block, Asbestos Abatement And Disposal	48.34	
			<i>For Work In Restricted Working Space, Add</i>	13.84	
02 82 33 00-0235	CF		>250 To 500 CF, Brick And Block, Asbestos Abatement And Disposal	36.85	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
02 82 33 00-0236	CF		>500 To 2,500 CF, Brick And Block, Asbestos Abatement And Disposal	29.88	
			<i>For Work In Restricted Working Space, Add</i>	8.30	
02 82 33 00-0237	CF		>2,500 To 10,000 CF, Brick And Block, Asbestos Abatement And Disposal	25.73	
			<i>For Work In Restricted Working Space, Add</i>	7.06	
02 82 33 00-0238	CF		>10,000 CF, Brick And Block, Asbestos Abatement And Disposal	23.37	
			<i>For Work In Restricted Working Space, Add</i>	6.35	
02 82 33 00-0239			Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0240			Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0239)		
02 82 33 00-0241	SET		Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	348.26	
02 82 33 00-0242	LF		>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.88	
02 82 33 00-0243	LF		>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.74	
02 82 33 00-0244	LF		>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.05	
02 82 33 00-0245	LF		>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.55	
02 82 33 00-0246	LF		>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.23	
02 82 33 00-0247	LF		>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.07	
02 82 33 00-0248			Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0249	SF		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	4.53	
02 82 33 00-0250	SF		Mastic On Walls, Asbestos Abatement And Disposal	17.49	
02 82 33 00-0251			Other Material, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0252	LF		Chemical Countertops, Asbestos Abatement And Disposal	23.93	
02 82 33 00-0253	EA		Chemical Fume Hood, Asbestos Abatement And Disposal	1,357.58	
02 82 33 00-0254	EA		Elevator Brake Lining, Asbestos Abatement And Disposal	87.08	
02 82 33 00-0255	EA		Asbestos Sink Undercoating, Asbestos Abatement And Disposal	70.51	
02 83			Lead Remediation (02 80)		
			See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.		
02 83 19			Lead-Based Paint Remediation (02 83)		
02 83 19 13			Lead-Based Paint Abatement (02 83 19)		
			Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site.		
02 83 19 13-0001			Lead Sampling And Testing (02 83 19 13)		
			Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR		Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	75.97	
02 83 19 13-0003	EA		X-Ray Fluorescence (XRF) Lead Testing	50.17	
			Note: Including Technician, 3 Readings Per Surface And Lab Fee		
02 83 19 13-0004	EA		5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	48.02	
02 83 19 13-0005	EA		48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	72.76	
02 83 19 13-0006	EA		24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	101.87	
02 83 19 13-0007	EA		5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	18.92	
02 83 19 13-0008	EA		24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	29.11	
02 83 19 13-0009	EA		8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	36.38	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	48.02
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	72.76
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee.....	8.00
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee.....	10.91
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee.....	16.01
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee.....	8.00
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee.....	10.91
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee.....	16.01
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee.....	29.11
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee.....	43.66
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee.....	58.21
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee.....	30.10
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee.....	60.20

02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0024	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material.....	12.48
		<i>For 0.025" (25 mil) Application, Add</i>	0.74
		<i>For 0.03" (30 mil) Application, Add</i>	1.17
		<i>For 0.125" (125 mil) Application, Add</i>	6.48
02 83 19 13-0025	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material.....	25.51
		<i>For 0.025" (25 mil) Application, Add</i>	1.39
		<i>For 0.03" (30 mil) Application, Add</i>	2.15
		<i>For 0.125" (125 mil) Application, Add</i>	9.74
02 83 19 13-0026	SF	Cornice, Chemical Stripping Of Lead Contaminated Material.....	13.56
		<i>For 0.025" (25 mil) Application, Add</i>	0.87
		<i>For 0.03" (30 mil) Application, Add</i>	1.42
02 83 19 13-0027	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	10.22
		<i>For 0.025" (25 mil) Application, Add</i>	0.66
		<i>For 0.03" (30 mil) Application, Add</i>	1.09
		<i>For 0.125" (125 mil) Application, Add</i>	7.06
02 83 19 13-0028	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material.....	8.35
		<i>For 0.025" (25 mil) Application, Add</i>	0.57
		<i>For 0.03" (30 mil) Application, Add</i>	0.95
		<i>For 0.125" (125 mil) Application, Add</i>	6.59
02 83 19 13-0029	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.53
		<i>For 0.025" (25 mil) Application, Add</i>	0.73
		<i>For 0.03" (30 mil) Application, Add</i>	1.18
02 83 19 13-0030	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material.....	24.31
		<i>For 0.025" (25 mil) Application, Add</i>	1.37
		<i>For 0.03" (30 mil) Application, Add</i>	2.14
02 83 19 13-0031	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material.....	9.75
		<i>For 0.025" (25 mil) Application, Add</i>	0.64
		<i>For 0.03" (30 mil) Application, Add</i>	1.05
02 83 19 13-0032	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material.....	13.82
		<i>For 0.025" (25 mil) Application, Add</i>	0.84
		<i>For 0.03" (30 mil) Application, Add</i>	1.36
02 83 19 13-0033	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material.....	12.53
		<i>For 0.025" (25 mil) Application, Add</i>	0.78
		<i>For 0.03" (30 mil) Application, Add</i>	1.26
02 83 19 13-0034	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material.....	25.98
		<i>For 0.025" (25 mil) Application, Add</i>	1.45
		<i>For 0.03" (30 mil) Application, Add</i>	2.27
02 83 19 13-0035	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	5.57
		<i>For 0.025" (25 mil) Application, Add</i>	0.39
		<i>For 0.03" (30 mil) Application, Add</i>	0.66
		<i>For 0.125" (125 mil) Application, Add</i>	4.75
02 83 19 13-0036	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	8.97
		<i>For 0.025" (25 mil) Application, Add</i>	0.56
		<i>For 0.03" (30 mil) Application, Add</i>	0.91
		<i>For 0.125" (125 mil) Application, Add</i>	5.60
02 83 19 13-0037	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	16.06
		<i>For 0.025" (25 mil) Application, Add</i>	0.99
		<i>For 0.03" (30 mil) Application, Add</i>	1.60
		<i>For 0.125" (125 mil) Application, Add</i>	9.66
02 83 19 13-0038	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	22.02
		<i>For 0.025" (25 mil) Application, Add</i>	1.33
		<i>For 0.03" (30 mil) Application, Add</i>	2.13
		<i>For 0.125" (125 mil) Application, Add</i>	12.29
02 83 19 13-0039	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	39.49
		<i>For 0.025" (25 mil) Application, Add</i>	2.31
		<i>For 0.03" (30 mil) Application, Add</i>	3.68
		<i>For 0.125" (125 mil) Application, Add</i>	20.01
02 83 19 13-0040	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	16.37
		<i>For 0.025" (25 mil) Application, Add</i>	1.24
		<i>For 0.03" (30 mil) Application, Add</i>	2.13
02 83 19 13-0041	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	17.93
		<i>For 0.025" (25 mil) Application, Add</i>	1.32
		<i>For 0.03" (30 mil) Application, Add</i>	2.25
02 83 19 13-0042	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	9.02
		<i>For 0.025" (25 mil) Application, Add</i>	0.60
		<i>For 0.03" (30 mil) Application, Add</i>	1.00
		<i>For 0.125" (125 mil) Application, Add</i>	6.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0043	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	10.25 0.66 1.09 7.06	
02 83 19 13-0044	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	10.22 0.66 1.09 7.06	
02 83 19 13-0045	SF		Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	23.60 1.33 2.09	
02 83 19 13-0046	SF		Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	25.82 1.44 2.26	
02 83 19 13-0047	SF		Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	27.33 1.52 2.37	
02 83 19 13-0048	SF		Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	28.85 1.59 2.48	
02 83 19 13-0049	SF		Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	30.36 1.67 2.60	
02 83 19 13-0050	SF		Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	31.93 1.75 2.71	
02 83 19 13-0051	SF		Metal Stairs, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	47.10 2.66 4.17 20.78	
02 83 19 13-0052	LF		Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	8.16 0.52 0.85 5.40	
02 83 19 13-0053	SF		Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for "Length x Height". Work includes both sides of railing. For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	23.92 1.42 2.27 12.76	
02 83 19 13-0054	SF		Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material..... For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	26.17 1.50 2.36 12.18	
02 83 19 13-0055			Demolish Lead Contaminated Material (02 83 19 13) Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0056	SF		Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material.....	3.01	
02 83 19 13-0057	SF		Demolish Walls, Gypsum Board, Lead Contaminated Material	0.98	
02 83 19 13-0058	SF		Demolish Suspended Ceiling System And Tile, Lead Contaminated Material.....	1.21	
02 83 19 13-0059	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.77	
02 83 19 13-0060	EA		Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	57.85	
02 83 19 13-0061	SF		Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	8.57	
02 83 19 13-0062	SF		Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	4.80	
02 83 19 13-0063	SF		Demolish Brick, Lead Contaminated Material	3.61	
02 83 19 13-0064	SF		Demolish Concrete Block, Lead Contaminated Material.....	4.65	
02 83 19 13-0065	SF		Demolish Tile, Lead Contaminated Material	3.51	
02 83 19 13-0066	SF		Demolish Up To 6" Concrete, Lead Contaminated Material	5.27	
02 83 19 13-0067	LF		Demolish Wood Balustrades And Railings, Lead Contaminated Material	6.00	
02 83 19 13-0068	LF		Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.56	
02 83 19 13-0069	LF		Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	1.95	
02 83 19 13-0070	SF		Demolish Concrete, Lead Contaminated Material	11.94	
02 83 19 13-0071	LF		Demolish Cabinets, Lead Contaminated Material	27.80	
02 83 19 13-0072	SF		Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.57	
02 83 19 13-0073	EA		Demolish Doors, Lead Contaminated Material	60.30	
02 83 19 13-0074	LF		Demolish Door And Window Trim Or Frames, Lead Contaminated Material.....	1.83	
02 83 19 13-0075	LF		Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.37	
02 83 19 13-0076	LF		Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	3.95	
02 83 19 13-0077	EA		Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	14.45	
02 83 19 13-0078	LF		Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	5.93	
02 83 19 13-0079	LF		Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	8.64	
02 83 19 13-0080	LF		Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	13.06	
02 83 19 13-0081	LF		Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	24.10	
02 83 19 13-0082	EA		Demolish Radiators, Lead Contaminated Material.....	104.08	
02 83 19 13-0083	EA		Demolish Shutters, Lead Contaminated Material.....	40.55	
02 83 19 13-0084	SF		Demolish Siding, Lead Contaminated Material	1.61	
02 83 19 13-0085	SF		Demolish Soffit, Lead Contaminated Material.....	1.37	
02 83 19 13-0086	SF		Demolish Flat Steel Surfaces, Lead Contaminated Material.....	3.75	
02 83 19 13-0087	SF		Demolish Windows, Lead Contaminated Material	14.40	
02 83 19 13-0088	SF		Demolish Metal Stair, Lead Contaminated Material.....	6.89	
02 83 19 13-0089	LF		Demolish Single Metal Hand Rail, Lead Contaminated Material.....	5.07	
02 83 19 13-0090	LF		Demolish Metal Railing And Posts, Lead Contaminated Material	8.27	
02 83 19 13-0091	SF		Demolish Metal Picket Fence, Lead Contaminated Material.....	2.28	
02 83 19 13-0092	SF		Demolish Plywood, Lead Contaminated Material	6.22	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0093	Wet Sanding Of Lead Contaminated Material (02 83 19 13)		
02 83 19 13-0094	SF Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.64	
02 83 19 13-0095 Lead Abatement Encapsulation (02 83 19 13)			
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.			
02 83 19 13-0096	SF Balustrades, Lead Abatement Encapsulation	5.17	
02 83 19 13-0097	LF Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.02	
02 83 19 13-0098	LF >6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	8.11	
02 83 19 13-0099	SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	3.29	
02 83 19 13-0100	SF Ornate Cabinets, Lead Abatement Encapsulation	7.52	
02 83 19 13-0101	SF Simple Design Cabinets, Lead Abatement Encapsulation	6.11	
02 83 19 13-0102	SF Drywall Ceilings, Lead Abatement Encapsulation.....	2.04	
02 83 19 13-0103	SF Wood Ceilings, Lead Abatement Encapsulation	2.49	
02 83 19 13-0104	SF Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.30	
02 83 19 13-0105	SF Columns, Lead Abatement Encapsulation	4.00	
02 83 19 13-0106	SF Doors, Lead Abatement Encapsulation.....	8.83	
02 83 19 13-0107	LF Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.39	
02 83 19 13-0108	SF Picket Fence (Brush), Lead Abatement Encapsulation.....	2.36	
02 83 19 13-0109	SF Wood Floors (Roller), Lead Abatement Encapsulation	1.95	
02 83 19 13-0110	SF Grilles, Vents, Lead Abatement Encapsulation	5.58	
02 83 19 13-0111	LF Gutters And Downspouts, Lead Abatement Encapsulation	5.17	
02 83 19 13-0112	EA Hangers, Lead Abatement Encapsulation.....	44.57	
02 83 19 13-0113	LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.13	
02 83 19 13-0114	LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.47	
02 83 19 13-0115	LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	6.91	
02 83 19 13-0116	LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	10.19	
02 83 19 13-0117	EA Radiators, Lead Abatement Encapsulation.....	189.08	
02 83 19 13-0118	EA Up To 6' Shutters, Lead Abatement Encapsulation	163.50	
02 83 19 13-0119	SF Siding, Lead Abatement Encapsulation	2.82	
02 83 19 13-0120	SF Up To 12" Soffit, Lead Abatement Encapsulation	4.00	
02 83 19 13-0121	SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	3.29	
02 83 19 13-0122	SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	4.33	
02 83 19 13-0123	SF Trusses, Lead Abatement Encapsulation	4.33	
02 83 19 13-0124	SF Drywall Walls, Lead Abatement Encapsulation.....	1.82	
02 83 19 13-0125	SF Wood Walls, Lead Abatement Encapsulation	2.24	
02 83 19 13-0126	EA Window Without Grille, Lead Abatement Encapsulation	163.40	
02 83 19 13-0127	EA Window With Grille, Lead Abatement Encapsulation	191.97	
02 83 19 13-0128	LF Frames And Trim, Lead Abatement Encapsulation.....	2.97	
02 83 19 13-0129	LF Steel Lintels, Lead Abatement Encapsulation.....	3.41	

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)**

02 83 33 13-0001	Remove Loose Dirt And Debris Containing Lead (02 83 33 13)		
02 83 33 13-0002	SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.24	
02 83 33 13-0003	SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.26	
02 83 33 13-0004	SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.20	

02 84 Polychlorinated Biphenyl Remediation (02 80)**02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)**

02 84 16 00-0001	Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)		
Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.			
02 84 16 00-0002	EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	6.62	
02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)			
Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.			
02 84 16 00-0004	EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	1.21	
02 84 16 00-0005	EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	1.82	
02 84 16 00-0006	EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	5.66	
02 84 16 00-0007	EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	12.94	
02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)			
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.			
02 84 16 00-0009	EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.03	
02 84 16 00-0010	EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.55	
02 84 16 00-0011	EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	8.50	
02 84 16 00-0012	EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	19.42	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 84 16 00-0013		Disposal Of Fixtures Contaminated By Leaking PCB Ballasts <small>(02 84 16)</small>		
<small>Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes demolition of fixture, ballast(s) removal and disposal of leaking ballast(s).</small>				
02 84 16 00-0014	EA	Disposal Of Fixture Contaminated By Leaking Polychlorinated Biphenyl (PCB) Ballasts.....	111.08	

02 87 Bio-Hazard Material Remediation (02 80)

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 87 13 Mold Remediation (02 87)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold Remediation are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small>		
<small>Note: Treat fittings as additional lf of insulation.</small>				
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0001)</small>		
<small>Note: Diameter is outer size of insulation.</small>				
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small>		
<small>Note: Excludes encased fittings.</small>				
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	706.92	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	27.46	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	20.74	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.69	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	11.90	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.42	

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	739.85	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	33.15	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	25.41	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	19.61	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.26	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.56	

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)

02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	723.38	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	16.01	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	12.15	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	9.25	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	7.22	

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)

02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)

<small>Note: e.g. fireproofing, acoustical plaster, etc.</small>				
<small>Note: Remove surface coat from brown coat or remove entire assembly, including lath.</small>				
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	714.24	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	15.83	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	11.97	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	9.07	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	6.91	

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)

<small>Note: Remove surface coat from brown coat or remove entire assembly, including lath.</small>				
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	714.24	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	15.83	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	11.97	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	9.07	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.91	

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	732.54	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	5.37	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.28	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.41	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.54	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
02 87 13 33-0043		Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)			
		Note: Exposed surface area, includes associated overspray.			
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	723.38		
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	21.86		
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	16.55		
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	12.55		
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	9.55		
02 87 13 33-0049		Flooring, Mold Abatement And Disposal (02 87 13 33)			
		Note: Includes cove base.			
02 87 13 33-0050		Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050)			
		Note: Single layer or first of multiple layers.			
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	732.54		
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.34		
		For Each Additional Layer, Add	1.34		
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.05		
		For Each Additional Layer, Add	0.76		
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.82		
		For Each Additional Layer, Add	0.46		
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.45		
		For Each Additional Layer, Add	0.36		
02 87 13 33-0057		Carpet, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)			
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	732.54		
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.47		
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.85		
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.95		
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.53		
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)			
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	732.54		
		Note: Includes tack strips.			
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	5.01		
		Note: Includes tack strips.			
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.68		
		Note: Includes tack strips.			
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.95		
		Note: Includes tack strips.			
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.31		
		Note: Includes tack strips.			
02 87 13 33-0070		Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	723.38		
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	6.12		
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	3.97		
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.45		
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.62		
02 87 13 33-0076		Siding, Mold Abatement And Disposal (02 87 13 33)			
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)			
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	732.54		
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	5.33		
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	3.78		
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.26		
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.76		
		Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)			
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	732.54		
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	6.59		
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.62		
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.16		
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.85		
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0090			Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET		Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	739.85	
02 87 13 33-0092	CF		>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	26.27	
02 87 13 33-0093	CF		>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	18.25	
02 87 13 33-0094	CF		>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	14.23	
02 87 13 33-0095	CF		>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	11.83	
02 87 13 33-0096	CF		>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.46	
02 87 13 33-0097	CF		>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	6.92	

02 87 13 33-0098			Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099			Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET		Up To 100 LF, Wood Studs, Mold Abatement And Disposal	366.25	
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.99	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.23	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.75	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.34	

02 87 13 33-0105			Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET		Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	732.54	
02 87 13 33-0107	SF		>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	9.07	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.34	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.16	
02 87 13 33-0110	SF		>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.85	

02 87 13 33-0111			Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0112	SET		Up To 20 LF, Caulking, Mold Abatement And Disposal	174.59	
02 87 13 33-0113	LF		>20 To 50 LF, Caulking, Mold Abatement And Disposal	3.51	
02 87 13 33-0114	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.51	
02 87 13 33-0115	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.91	
02 87 13 33-0116	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.42	
02 87 13 33-0117	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.15	
02 87 13 33-0118	LF		>2,500 LF, Caulking, Mold Abatement And Disposal	1.00	

02 87 13 33-0119			Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution	19.36	
			For >25 To 50, Deduct	-1.93	
			For >50 To 200, Deduct	-4.84	
			For >200, Deduct	-7.74	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution	22.77	
			For >25 To 50, Deduct	-2.28	
			For >50 To 200, Deduct	-5.69	
			For >200, Deduct	-9.10	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution	25.89	
			For >25 To 50, Deduct	-2.59	
			For >50 To 200, Deduct	-6.47	
			For >200, Deduct	-10.35	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution	21.11	
			For >25 To 50, Deduct	-2.11	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution	26.79	
			For >25 To 50, Deduct	-2.68	
			For >50 To 200, Deduct	-6.69	
			For >200, Deduct	-10.71	

02 87 16 Excrement Removal (02 87)
 Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13			Bird Excrement Removal (02 87 16)		
02 87 16 13-0001			Bird Waste Removal (02 87 16 13)		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF, Bird Waste Removal	695.94	
			For Work In Restricted Working Space, Add	208.78	
02 87 16 13-0003	SF		>10 To 500 SF, Bird Waste Removal	11.60	
			For Work In Restricted Working Space, Add	3.48	
02 87 16 13-0004	SF		>500 To 2,500 SF, Bird Waste Removal	10.54	
			For Work In Restricted Working Space, Add	3.16	
02 87 16 13-0005	SF		>2,500 To 10,000 SF, Bird Waste Removal	9.58	
			For Work In Restricted Working Space, Add	2.87	
02 87 16 13-0006	SF		>10,000 SF, Bird Waste Removal	8.71	
			For Work In Restricted Working Space, Add	2.61	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)**

02 87 19 00-0001 Temporary Barriers (02 87 19)

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	717.23
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	680.91
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	535.60
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	620.36
02 87 19 00-0007	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	328.35
02 87 19 00-0008	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	352.57
02 87 19 00-0009	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,098.67
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0010	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,219.76
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0011	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	1,461.94
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0012	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	240.78
02 87 19 00-0013	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	198.40
02 87 19 00-0014	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	198.40
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003).....	13.38
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	337.18

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.41
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.54
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	0.73
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.48
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.61
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	0.80

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0025	SF	Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.57
02 87 19 00-0026	SF	1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.93
02 87 19 00-0027	SF	3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.35

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	5.01
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	6.81
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	5.14
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	7.07
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	3.06

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control.....	18.27
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area.....	2.10

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	17.95
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	21.53
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	30.80
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,027.46
		Note: Excludes gloves.	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	368.28
		Note: For installation in glove iris port.	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	587.18
		Note: For installation in glove iris port.	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	107.09
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0045	Temporary Portable And Mobile Trailers <small>(02 87 19)</small>			
02 87 19 00-0046	Trailer Delivery <small>(02 87 19 00-0045)</small>			
02 87 19 00-0047	EA Deliver Trailer Within 25 Miles		958.31	
02 87 19 00-0048	Portable And Mobile Trailers, Purchase <small>(02 87 19 00-0045)</small> <small>Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.</small>			
02 87 19 00-0049	EA 8' x 24' Mobile Trailer With Toilet, Purchase		9,023.90	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0050	EA 8' x 32' Mobile Trailer With Toilet, Purchase		12,747.46	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0051	EA 10' x 36' Mobile Trailer With Toilet, Purchase		18,186.94	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0052	EA 10' x 44' Mobile Trailer With Toilet, Purchase		22,724.97	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0053	EA 10' x 50' Mobile Trailer With Toilet, Purchase		25,835.66	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0054	EA 12' x 50' Mobile Trailer With Toilet, Purchase		27,161.63	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0055	EA 12' x 60' Mobile Trailer With Toilet, Purchase		30,222.61	
	<i>For Tie-Downs, Add</i>		89.67	
02 87 19 00-0056	Portable And Mobile Trailers, Rental <small>(02 87 19 00-0045)</small> <small>Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.</small>			
02 87 19 00-0057	MO 8' x 24' Mobile Trailer, With Toilet, Rental.....		143.02	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		602.42	
	<i>For Each Set-Up (Block And Level), Add</i>		381.24	
02 87 19 00-0058	MO 8' x 32' Mobile Trailer, With Toilet, Rental.....		162.08	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		602.42	
	<i>For Each Set-Up (Block And Level), Add</i>		381.24	
02 87 19 00-0059	MO 10' x 36' Mobile Trailer, With Toilet, Rental.....		219.29	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		853.44	
	<i>For Each Set-Up (Block And Level), Add</i>		622.02	
02 87 19 00-0060	MO 10' x 44' Mobile Trailer, With Toilet, Rental.....		257.43	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		853.44	
	<i>For Each Set-Up (Block And Level), Add</i>		622.02	
02 87 19 00-0061	MO 10' x 50' Mobile Trailer, With Toilet, Rental.....		271.73	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		853.44	
	<i>For Each Set-Up (Block And Level), Add</i>		622.02	
02 87 19 00-0062	MO 12' x 50' Mobile Trailer, With Toilet, Rental.....		319.40	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		853.44	
	<i>For Each Set-Up (Block And Level), Add</i>		622.02	
02 87 19 00-0063	MO 12' x 60' Mobile Trailer, With Toilet, Rental.....		348.00	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		853.44	
	<i>For Each Set-Up (Block And Level), Add</i>		622.02	
02 87 19 00-0064	MO 24' x 60' Modular Trailer, With Toilet, Rental		762.73	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>		1,606.47	
	<i>For Each Set-Up (Block And Level), Add</i>		1,003.25	
	<i>For Each Anchoring Into Dirt, Add</i>		118.47	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		177.71	
02 87 19 00-0065	Accessories For Portable And Mobile Trailers <small>(02 87 19 00-0045)</small>			
02 87 19 00-0066	Skirting <small>(02 87 19 00-0065)</small> <small>Note: Includes 2" x 4" wood framing 16" on center.</small>			
02 87 19 00-0067	SF 1'-8" High Vinyl Covered Skirt.....		3.78	1.35
02 87 19 00-0068	SF 3' High Vinyl Covered Skirt		5.53	2.23
02 87 19 00-0069	Aluminum Modular Access Ramp <small>(02 87 19 00-0065)</small> <small>Note: Includes picketed guardrails, inside grabrails, legs and hardware.</small>			
02 87 19 00-0070	EA Up To 35" High, Aluminum Modular Access Ramp.....		2,627.45	25.83
02 87 19 00-0071	Aluminum Modular Stairs <small>(02 87 19 00-0065)</small> <small>Note: Excludes earthwork</small>			

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0072	EA		Aluminum Steps For Mobile Trailers.....	729.35	
02 87 19 00-0073			Decontamination Chambers For Bio-Hazard And Infectious Disease Control		
			<i>(02 87 19)</i> Note: Includes removal after use.		
02 87 19 00-0074	EA		Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	702.65	
			Note: Includes connection to negative air system.		
02 87 19 00-0075	EA		Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	828.28	
			Note: Includes connection to negative air system.		
02 87 19 00-0076	EA		Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control	429.87	
			Note: Includes connection to negative air system.		
02 87 19 00-0077			Bio-Hazard And Infectious Disease Control Cleaning, Level 2 <i>(02 87 19)</i>		
			Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0147 for disposal of material into approved landfill.		
02 87 19 00-0078			Bio-Hazard And Infectious Disease Control Cleaning Mobilization <i>(02 87 19 00-0077)</i>		
02 87 19 00-0079	EA		Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	276.86	
			Note: Mobilization and set-up minimum for each site location.		
02 87 19 00-0080			Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces <i>(02 87 19 00-0077)</i>		
			Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0081	CSF		Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	20.54	
			For >25 To 50, Deduct	-2.05	
			For >50 To 200, Deduct	-4.10	
			For >200, Deduct	-6.15	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-4.10	
			For Level 3 Biohazard Cleaning, Add	6.77	
02 87 19 00-0082	CSF		Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	24.15	
			For >25 To 50, Deduct	-2.41	
			For >50 To 200, Deduct	-4.82	
			For >200, Deduct	-7.24	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-4.82	
			For Level 3 Biohazard Cleaning, Add	7.96	
02 87 19 00-0083	CSF		Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	27.47	
			For >25 To 50, Deduct	-2.74	
			For >50 To 200, Deduct	-5.49	
			For >200, Deduct	-8.23	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-5.49	
			For Level 3 Biohazard Cleaning, Add	9.06	
02 87 19 00-0084	CSF		Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	22.40	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For >5 To 10, Deduct	-1.12	
			For >10 To 50, Deduct	-2.24	
			For >50, Deduct	-4.47	
			For Level 1 Biohazard Cleaning, Deduct	-4.47	
			For Level 3 Biohazard Cleaning, Add	7.38	
02 87 19 00-0085	CSF		Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	28.43	
			For >25 To 50, Deduct	-2.84	
			For >50 To 200, Deduct	-5.68	
			For >200, Deduct	-8.52	
			For Cleaning Surfaces With Goldshield® GS5, Add	10.08	
			For Level 1 Biohazard Cleaning, Deduct	-5.68	
			For Level 3 Biohazard Cleaning, Add	9.37	
02 87 19 00-0086			Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials <i>(02 87 19 00-0077)</i>		
			Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0087	EA		Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	53.07	
			For Level 1 Biohazard Cleaning, Deduct	-10.61	
			For Level 3 Biohazard Cleaning, Add	17.50	
			For Cleaning Surfaces With Goldshield® GS5, Add	5.04	
02 87 19 00-0088	EA		Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	24.36	
			For Level 1 Biohazard Cleaning, Deduct	-4.87	
			For Level 3 Biohazard Cleaning, Add	8.03	
			For Cleaning Surfaces With Goldshield® GS5, Add	3.36	
02 87 19 00-0089	EA		Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	85.47	
			For Level 1 Biohazard Cleaning, Deduct	-17.09	
			For Level 3 Biohazard Cleaning, Add	28.20	
			For Cleaning Surfaces With Goldshield® GS5, Add	5.04	
02 87 19 00-0090	EA		Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	5.28	
			For Level 1 Biohazard Cleaning, Deduct	-1.05	
			For Level 3 Biohazard Cleaning, Add	1.73	
			For Cleaning Surfaces With Goldshield® GS5, Add	1.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0091	EA		Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up.....	78.80	
			Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
			For Level 1 Biohazard Cleaning, Deduct	-15.75	
			For Level 3 Biohazard Cleaning, Add	25.99	
			For Cleaning Surfaces With Goldshield® GS5, Add	5.04	
02 87 19 00-0092	EA		Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up.....	8.43	
			For Level 1 Biohazard Cleaning, Deduct	-1.68	
			For Level 3 Biohazard Cleaning, Add	2.77	
			For Cleaning Surfaces With Goldshield® GS5, Add	1.01	

02 87 19 00-0093 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0077)

02 87 19 00-0094	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	3.10	
			For Level 1 Biohazard Cleaning, Deduct	-0.62	
			For Level 3 Biohazard Cleaning, Add	1.02	
02 87 19 00-0095	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	3.88	
			For Level 1 Biohazard Cleaning, Deduct	-0.77	
			For Level 3 Biohazard Cleaning, Add	1.27	
02 87 19 00-0096	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	5.21	
			For Level 1 Biohazard Cleaning, Deduct	-1.03	
			For Level 3 Biohazard Cleaning, Add	1.69	
02 87 19 00-0097	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	7.38	
			For Level 1 Biohazard Cleaning, Deduct	-1.44	
			For Level 3 Biohazard Cleaning, Add	2.38	
02 87 19 00-0098	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	138.45	
			For Level 1 Biohazard Cleaning, Deduct	-27.68	
			For Level 3 Biohazard Cleaning, Add	45.68	
02 87 19 00-0099	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning.....	9.64	
			For Level 1 Biohazard Cleaning, Deduct	-1.92	
			For Level 3 Biohazard Cleaning, Add	3.17	
02 87 19 00-0100	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning.....	92.31	
			For Level 1 Biohazard Cleaning, Deduct	-18.46	
			For Level 3 Biohazard Cleaning, Add	30.45	
02 87 19 00-0101	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	276.89	
			For Level 1 Biohazard Cleaning, Deduct	-55.37	
			For Level 3 Biohazard Cleaning, Add	91.36	
02 87 19 00-0102	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning..... Note: Includes removal and reinstallation.	23.10	
			For Level 1 Biohazard Cleaning, Deduct	-4.61	
			For Level 3 Biohazard Cleaning, Add	7.61	
02 87 19 00-0103	SF		Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.41	
			For Level 1 Biohazard Cleaning, Deduct	-0.07	
			For Level 3 Biohazard Cleaning, Add	0.12	
02 87 19 00-0104	SF		Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.47	
			For Level 1 Biohazard Cleaning, Deduct	-0.07	
			For Level 3 Biohazard Cleaning, Add	0.12	

02 87 19 00-0105 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0106	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	137.11	
02 87 19 00-0107	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	583.97	
02 87 19 00-0108	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	1,635.12	
02 87 19 00-0109	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	108.07	
02 87 19 00-0110	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	297.20	
02 87 19 00-0111	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	810.55	
02 87 19 00-0112	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	34.09	
02 87 19 00-0113	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	93.75	
02 87 19 00-0114	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	255.68	
02 87 19 00-0115	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	81.38	
02 87 19 00-0116	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	334.24	
02 87 19 00-0117	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,009.97	
02 87 19 00-0118	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio- Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	167.57	
02 87 19 00-0119	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	339.80	
02 87 19 00-0120	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	679.60	
02 87 19 00-0121	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,359.20	
02 87 19 00-0122	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	453.07	
02 87 19 00-0123	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	906.14	
02 87 19 00-0124	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,812.27	
02 87 19 00-0125	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	678.59	
02 87 19 00-0126	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,357.18	
02 87 19 00-0127	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,714.35	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 87 19 00-0128	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	904.78
02 87 19 00-0129	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,809.57
02 87 19 00-0130	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,619.14
02 87 19 00-0131	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,130.98
02 87 19 00-0132	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,261.96
02 87 19 00-0133	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	4,523.92
02 87 19 00-0134	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	83.78
02 87 19 00-0135	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	167.55
02 87 19 00-0136	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	502.65
02 87 19 00-0137	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,005.30
02 87 19 00-0138	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,675.49
02 87 19 00-0139	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	74.30
02 87 19 00-0140	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	204.33
02 87 19 00-0141	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	557.27

02 87 19 00-0142 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19)

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0143	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	85.70 1.07
02 87 19 00-0144	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	128.52 1.61
02 87 19 00-0145	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	133.55 1.67
02 87 19 00-0146	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	148.28 1.85

02 87 19 00-0147 Bio-Hazard And Infectious Disease Control Disposal (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0148	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	59.28
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02 87 19 00-0149 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19)

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0150	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	31,257.63
02 87 19 00-0151	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	3,004.90
02 87 19 00-0152	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	4,971.91
02 87 19 00-0153	SF	Sub Flooring For Medical Shelter (AKS-AB846)	4.63
02 87 19 00-0154	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,364.68
02 87 19 00-0155	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	22,351.79
02 87 19 00-0156	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	779.08
02 87 19 00-0157	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	35,181.35
02 87 19 00-0158	EA	6' Step Ladder (AKS-AC595)	211.46
02 87 19 00-0159	EA	10 Lbs Sledgehammer (AKS-AA268)	64.54

02 87 19 00-0160 Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0161 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0160)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0162	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	84.59
02 87 19 00-0163	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	92.80
02 87 19 00-0164	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	101.25
02 87 19 00-0165	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	121.74
02 87 19 00-0166	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	133.89

02 87 19 00-0167 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0160)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0168	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	11.29
02 87 19 00-0169	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	18.47
02 87 19 00-0170	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	11.97

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0171	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	87.10
02 87 19 00-0172	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	39.43
02 87 19 00-0173	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	265.73
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	
02 87 19 00-0174	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	36.33
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	
02 87 19 00-0175	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	65.99
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	
02 87 19 00-0176	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	20.45
02 87 19 00-0177	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.47
02 87 19 00-0178	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	1,776.21
		Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	

02 87 19 00-0179 Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0160)
 Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0023 for temporary walls.

02 87 19 00-0180	GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up	11.00
02 87 19 00-0181	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up	2.92
02 87 19 00-0182	GAL	Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up	107.77
02 87 19 00-0183	GAL	Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up	242.03
		Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	
02 87 19 00-0184	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up	11.42
02 87 19 00-0185	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up	5.38
02 87 19 00-0186	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	14.03
02 87 19 00-0187	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	52.88
02 87 19 00-0188	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	56.53
02 87 19 00-0189	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	8.33
02 87 19 00-0190	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up	16.83
02 87 19 00-0191	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	174.03

02 89 Hazmat Ancillary Tasks and Support (02 80)

02 89 00 00-0001 Barriers And Protection (02 89)
 Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)
 See CSI section 01 56 16 00-0023 for temporary stud walls.

02 89 00 00-0003 Type C Supplied Air System (02 89 00 00-0001)
 Note: Includes mobilization, setup, maintenance and removal of equipment. For owner / site inspection use.

02 89 00 00-0004	EA	Type C Supplied Air System	612.53
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02 89 00 00-0005 Hazmat Containment Construction (02 89 00 00-0001)

02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.41
02 89 00 00-0007	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.55
02 89 00 00-0008	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.73
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction	0.47
02 89 00 00-0010	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.59
02 89 00 00-0011	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.76

02 89 00 00-0012 Decontamination Chambers (02 89)
 Note: Includes removal after use.

02 89 00 00-0013	EA	3 Stage Portable Personnel Decontamination Wash Facility	686.96
		Note: Includes connection to negative air system.	
02 89 00 00-0014	EA	5 Stage Portable Personnel Decontamination Wash Facility	809.44
		Note: Includes connection to negative air system.	
02 89 00 00-0015	EA	Portable Waste Decontamination Unit	417.32
		Note: Includes connection to negative air system.	
		<i>For Dismantling And Relocation To A Different Area, Add</i>	263.02

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Emergency Clean-up (02 90)

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)
 Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Emergency Clean-up	8.01
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Emergency Clean-up	1.95

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0004	SF	Wet Batt Insulation Removal For Emergency Clean-up.....	0.16
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Emergency Clean-up.....	0.19
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.19
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.30
02 90 50 00-0008		Cleaning <small>(02 90 50)</small>	
		Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required	
02 90 50 00-0009		Clean Furnishings <small>(02 90 50 00-0008)</small>	
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Emergency Clean-up.....	27.80
		<i>For Medium Clean, Add</i>	11.68
		<i>For Heavy Clean, Add</i>	36.14
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Emergency Clean-up.....	1.55
		<i>For Medium Clean, Add</i>	0.65
		<i>For Heavy Clean, Add</i>	2.02
02 90 50 00-0012	LF	Shelving, Light Clean For Emergency Clean-up.....	2.78
		<i>For Medium Clean, Add</i>	1.17
		<i>For Heavy Clean, Add</i>	3.61
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Emergency Clean-up.....	8.03
		<i>For Medium Clean, Add</i>	3.37
		<i>For Heavy Clean, Add</i>	10.44
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Emergency Clean-up.....	25.95
		<i>For Medium Clean, Add</i>	10.90
		<i>For Heavy Clean, Add</i>	33.74
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Emergency Clean-up.....	159.98
		<i>For Medium Clean, Add</i>	67.19
		<i>For Heavy Clean, Add</i>	207.97
02 90 50 00-0016	EA	Desk, Light Clean For Emergency Clean-up.....	32.74
		<i>For Medium Clean, Add</i>	13.75
		<i>For Heavy Clean, Add</i>	42.56
02 90 50 00-0017	EA	Table, Light Clean For Emergency Clean-up.....	30.89
		<i>For Medium Clean, Add</i>	12.97
		<i>For Heavy Clean, Add</i>	40.16
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Emergency Clean-up.....	6.77
		<i>For Medium Clean, Add</i>	2.84
		<i>For Heavy Clean, Add</i>	8.80
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Emergency Clean-up.....	8.66
		<i>For Medium Clean, Add</i>	3.64
		<i>For Heavy Clean, Add</i>	11.26
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	7.11
		<i>For Medium Clean, Add</i>	2.99
		<i>For Heavy Clean, Add</i>	9.24
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	13.90
		<i>For Medium Clean, Add</i>	5.84
		<i>For Heavy Clean, Add</i>	18.07
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	7.11
		<i>For Medium Clean, Add</i>	2.99
		<i>For Heavy Clean, Add</i>	9.24
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	12.35
		<i>For Medium Clean, Add</i>	5.19
		<i>For Heavy Clean, Add</i>	16.06
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Emergency Clean-up.....	2.96
		<i>For Medium Clean, Add</i>	1.24
		<i>For Heavy Clean, Add</i>	3.85
02 90 50 00-0025		Clean Hard Surfaces <small>(02 90 50 00-0008)</small>	
02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Emergency Clean-up.....	0.40
		<i>For Medium Clean, Add</i>	0.17
		<i>For Heavy Clean, Add</i>	0.52
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.25
		<i>For Medium Clean, Add</i>	2.21
		<i>For Heavy Clean, Add</i>	6.83
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.95
		<i>For Medium Clean, Add</i>	2.50
		<i>For Heavy Clean, Add</i>	7.74
02 90 50 00-0029	SF	Overhead Door, Light Clean For Emergency Clean-up.....	0.42
		<i>For Medium Clean, Add</i>	0.18
		<i>For Heavy Clean, Add</i>	0.55
02 90 50 00-0030	SF	Mirror, Light Clean For Emergency Clean-up.....	0.31
		<i>For Medium Clean, Add</i>	0.13
		<i>For Heavy Clean, Add</i>	0.40
02 90 50 00-0031	SF	Window, Light Clean For Emergency Clean-up.....	0.91
		<i>For Medium Clean, Add</i>	0.38
		<i>For Heavy Clean, Add</i>	1.18
02 90 50 00-0032	LF	Handrail, Light Clean For Emergency Clean-up.....	0.81
		<i>For Medium Clean, Add</i>	0.34
		<i>For Heavy Clean, Add</i>	1.05
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Emergency Clean-up.....	0.44
		<i>For Medium Clean, Add</i>	0.18
		<i>For Heavy Clean, Add</i>	0.57
02 90 50 00-0034	SF	Hard Floor, Light Clean For Emergency Clean-up.....	0.36
		<i>For Medium Clean, Add</i>	0.15
		<i>For Heavy Clean, Add</i>	0.47
02 90 50 00-0035	SF	Carpet, Light Clean For Emergency Clean-up.....	0.37
		<i>For Medium Clean, Add</i>	0.16
		<i>For Heavy Clean, Add</i>	0.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0036	SF		Hard Ceiling, Light Clean For Emergency Clean-up.....	0.28	
			<i>For Medium Clean, Add</i>	0.12	
			<i>For Heavy Clean, Add</i>	0.36	
02 90 50 00-0037	SF		Suspended Ceiling, Tile And Grid, Light Clean For Emergency Clean-up.....	0.31	
			<i>For Medium Clean, Add</i>	0.13	
			<i>For Heavy Clean, Add</i>	0.40	
02 90 50 00-0038	SF		Ceramic Tile Wall, Light Clean For Emergency Clean-up.....	0.26	
			<i>For Medium Clean, Add</i>	0.11	
			<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0039	SF		Wall, Light Clean For Emergency Clean-up.....	0.19	
			<i>For Medium Clean, Add</i>	0.08	
			<i>For Heavy Clean, Add</i>	0.25	
02 90 50 00-0040	SF		Masonry Wall, Light Clean For Emergency Clean-up.....	0.26	
			<i>For Medium Clean, Add</i>	0.11	
			<i>For Heavy Clean, Add</i>	0.34	
02 90 50 00-0041	EA		Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	65.15	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	27.36	
			<i>For Heavy Clean, Add</i>	84.70	
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	81.43	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	34.20	
			<i>For Heavy Clean, Add</i>	105.86	
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	97.71	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	41.04	
			<i>For Heavy Clean, Add</i>	127.02	
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	114.00	
			<i>For Medium Clean, Add</i>	47.88	
			<i>For Heavy Clean, Add</i>	148.20	
02 90 50 00-0045			Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046	SF		Window Blind, Light Clean For Emergency Clean-up.....	0.71	
			<i>For Medium Clean, Add</i>	0.30	
			<i>For Heavy Clean, Add</i>	0.92	
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.45	
			<i>For Medium Clean, Add</i>	0.61	
			<i>For Heavy Clean, Add</i>	1.89	
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.67	
			<i>For Medium Clean, Add</i>	0.70	
			<i>For Heavy Clean, Add</i>	2.17	
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.52	
			<i>For Medium Clean, Add</i>	0.64	
			<i>For Heavy Clean, Add</i>	1.98	
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.75	
			<i>For Medium Clean, Add</i>	0.74	
			<i>For Heavy Clean, Add</i>	2.28	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.86	
			<i>For Medium Clean, Add</i>	0.78	
			<i>For Heavy Clean, Add</i>	2.42	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	2.14	
			<i>For Medium Clean, Add</i>	0.90	
			<i>For Heavy Clean, Add</i>	2.78	
02 90 50 00-0053			Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Emergency Clean-up.....	12.80	
			<i>For Medium Clean, Add</i>	5.38	
			<i>For Heavy Clean, Add</i>	16.64	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Emergency Clean-up.....	30.15	
			<i>For Medium Clean, Add</i>	12.66	
			<i>For Heavy Clean, Add</i>	39.20	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Emergency Clean-up.....	26.06	
			<i>For Medium Clean, Add</i>	10.95	
			<i>For Heavy Clean, Add</i>	33.88	
02 90 50 00-0057			Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058	EA		Water Heater, Light Clean For Emergency Clean-up.....	18.54	
			<i>For Medium Clean, Add</i>	7.79	
			<i>For Heavy Clean, Add</i>	24.10	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Emergency Clean-up.....	18.72	
			<i>For Medium Clean, Add</i>	7.86	
			<i>For Heavy Clean, Add</i>	24.34	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Emergency Clean-up.....	8.59	
			<i>For Medium Clean, Add</i>	3.61	
			<i>For Heavy Clean, Add</i>	11.17	
02 90 50 00-0061			Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Emergency Clean-up.....	5.53	
			<i>For Medium Clean, Add</i>	2.32	
			<i>For Heavy Clean, Add</i>	7.19	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Emergency Clean-up.....	15.45	
			<i>For Medium Clean, Add</i>	6.49	
			<i>For Heavy Clean, Add</i>	20.09	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Emergency Clean-up**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
02 90 50 00-0064	EA Ductwork, Interior (Per Grille/Register), Light Clean For Emergency Clean-up	59.30	
	<i>For Medium Clean, Add</i>	24.91	
	<i>For Heavy Clean, Add</i>	77.09	
02 90 50 00-0065	EA Grille/Register, Light Clean For Emergency Clean-up	5.56	
	<i>For Medium Clean, Add</i>	2.34	
	<i>For Heavy Clean, Add</i>	7.23	
02 90 50 00-0066	EA Air Handling Unit, Exterior Wipe, Light Clean For Emergency Clean-up.....	38.51	
	<i>For Medium Clean, Add</i>	16.17	
	<i>For Heavy Clean, Add</i>	50.06	
02 90 50 00-0067	EA Furnace, Exterior Wipe, Light Clean For Emergency Clean-up	34.29	
	<i>For Medium Clean, Add</i>	14.40	
	<i>For Heavy Clean, Add</i>	44.58	
02 90 50 00-0068	Clean Electrical <small>(02 90 50 00-0008)</small>		
02 90 50 00-0069	EA Electric Fan, Light Clean For Emergency Clean-up	22.86	
	<i>For Medium Clean, Add</i>	9.60	
	<i>For Heavy Clean, Add</i>	29.72	
02 90 50 00-0070	EA Ceiling Fan, Light Clean For Emergency Clean-up.....	24.71	
	<i>For Medium Clean, Add</i>	10.38	
	<i>For Heavy Clean, Add</i>	32.12	
02 90 50 00-0071	EA Ceiling Fan And Light, Light Clean For Emergency Clean-up.....	32.12	
	<i>For Medium Clean, Add</i>	13.49	
	<i>For Heavy Clean, Add</i>	41.76	
02 90 50 00-0072	EA Ceiling Exhaust Fan, Light Clean For Emergency Clean-up.....	22.54	
	<i>For Medium Clean, Add</i>	9.47	
	<i>For Heavy Clean, Add</i>	29.30	
02 90 50 00-0073	EA 2' x 4' Light Fixture, Light Clean For Emergency Clean-up	14.83	
	<i>For Medium Clean, Add</i>	6.23	
	<i>For Heavy Clean, Add</i>	19.28	
02 90 50 00-0074	EA Light Fixture, Light Clean For Emergency Clean-up	6.79	
	<i>For Medium Clean, Add</i>	2.85	
	<i>For Heavy Clean, Add</i>	8.83	
02 90 50 00-0075	EA Smoke Detector, Light Clean For Emergency Clean-up	5.25	
	<i>For Medium Clean, Add</i>	2.21	
	<i>For Heavy Clean, Add</i>	6.83	
02 90 50 00-0076	EA Thermostat, Light Clean For Emergency Clean-up.....	1.85	
	<i>For Medium Clean, Add</i>	0.78	
	<i>For Heavy Clean, Add</i>	2.41	
02 90 50 00-0077	Thermal Fog <small>(02 90 50 00-0008)</small>		
02 90 50 00-0078	CF Clean And Deodorize Building With Thermal Fog For Emergency Clean-up.....	0.02	
02 90 50 00-0079	Contents Manipulation <small>(02 90 50)</small>		
02 90 50 00-0080	SF Cover Contents With 6 Mil Plastic Sheeting For Emergency Clean-up.....	0.22	
02 90 50 00-0081	SF Floor Protection, Adhesive Film For Emergency Clean-up	0.28	
02 90 50 00-0082	SF Move Contents Out And Later Reset For Emergency Clean-up	0.49	
02 90 50 00-0083	MO 20' Long Job Site Storage Trailer For Emergency Clean-up.....	150.81	
02 90 50 00-0084	MO 40' Long Job Site Storage Trailer For Emergency Clean-up.....	200.00	
02 90 50 00-0085	EA Delivery Or Pickup Job Site Storage Trailer For Emergency Clean-up.....	143.67	
02 90 50 00-0086	Emergency Clean-up Labor <small>(02 90 50)</small>		
	Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0087	HR Skilled Tradesman For Emergency Clean Up.....	60.72	
02 90 50 00-0088	HR Restoration / Document Laborer For Emergency Clean Up.....	42.50	
	<i>For 1.5 Time, Add</i>	21.25	
	<i>For 2.0 Time, Add</i>	42.50	
02 90 50 00-0089	HR Restoration / Document Supervisor For Emergency Clean Up.....	58.44	
	<i>For 1.5 Time, Add</i>	29.22	
	<i>For 2.0 Time, Add</i>	58.44	
02 90 50 00-0090	HR Restoration / Document Project Manager For Emergency Clean Up.....	95.63	
	<i>For 1.5 Time, Add</i>	47.82	
	<i>For 2.0 Time, Add</i>	95.63	
02 90 50 00-0091	HR Assistant Project Manager For Emergency Clean Up.....	79.70	
02 90 50 00-0092	HR Senior Project Manager For Emergency Clean Up	111.57	
02 90 50 00-0093	HR Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	159.39	
02 90 50 00-0094	HR Equipment Technician For Emergency Clean Up	116.89	
02 90 50 00-0095	HR Mold Remediation Laborer For Emergency Clean Up	58.19	
02 90 50 00-0096	HR Mold Remediation Supervisor For Emergency Clean Up.....	79.70	
02 90 50 00-0097	HR Administrative Personnel For Emergency Clean Up	37.19	
02 90 50 00-0098	HR Project Accountant For Emergency Clean Up	60.72	
02 90 50 00-0099	HR Biohazard Technician For Emergency Clean Up	84.38	
02 90 50 00-0100	HR Biohazard Supervisor For Emergency Clean Up	101.45	
02 90 50 00-0101	HR Health And Safety Officer For Emergency Clean Up	91.08	
	<i>For 1.5 Time, Add</i>	45.54	
	<i>For 2.0 Time, Add</i>	91.08	
02 90 50 00-0102	HR Resource And Logistics Coordinator For Emergency Clean Up	65.78	
	<i>For 1.5 Time, Add</i>	32.89	
	<i>For 2.0 Time, Add</i>	65.78	
02 90 50 00-0103	HR Loss Control Specialist For Emergency Clean Up	63.76	
02 90 50 00-0104	HR Moisture Control Specialist For Emergency Clean Up	52.62	
02 90 50 00-0105	HR Mobilization Support For Emergency Clean Up	32.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0106

Emergency Clean-up Equipment (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0107

General Emergency Clean-up Equipment (02 90 50 00-0106)

02 90 50 00-0108	DAY		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	137.11	
02 90 50 00-0109	WK		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	523.03	
02 90 50 00-0110	MO		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up.....	1,432.00	
02 90 50 00-0111	DAY		13" Floor Buffer Rental For Emergency Clean-up.....	40.91	
02 90 50 00-0112	WK		13" Floor Buffer Rental For Emergency Clean-up.....	114.89	
02 90 50 00-0113	MO		13" Floor Buffer Rental For Emergency Clean-up.....	317.15	
02 90 50 00-0114	DAY		17" Floor Buffer Rental For Emergency Clean-up.....	79.29	
02 90 50 00-0115	WK		17" Floor Buffer Rental For Emergency Clean-up.....	202.26	
02 90 50 00-0116	MO		17" Floor Buffer Rental For Emergency Clean-up.....	477.34	
02 90 50 00-0117	DAY		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	436.89	
02 90 50 00-0118	WK		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	1,173.12	
02 90 50 00-0119	MO		Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	3,268.56	
02 90 50 00-0120	DAY		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	987.04	
02 90 50 00-0121	WK		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	2,605.14	
02 90 50 00-0122	MO		Ride-On Floor Scrubber Rental For Emergency Clean-up.....	7,022.55	
02 90 50 00-0123	DAY		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	71.20	
02 90 50 00-0124	WK		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	202.26	
02 90 50 00-0125	MO		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	695.78	
02 90 50 00-0126	DAY		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	66.34	
02 90 50 00-0127	WK		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	177.99	
02 90 50 00-0128	MO		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	461.16	
02 90 50 00-0129	DAY		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	106.15	
02 90 50 00-0130	WK		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	302.91	
02 90 50 00-0131	MO		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	846.59	
02 90 50 00-0132	DAY		Truck Mounted Extractor Rental For Emergency Clean-up.....	666.32	
02 90 50 00-0133	WK		Truck Mounted Extractor Rental For Emergency Clean-up.....	1,998.96	
02 90 50 00-0134	MO		Truck Mounted Extractor Rental For Emergency Clean-up.....	5,996.88	
02 90 50 00-0135	DAY		16" Chain Saw Rental For Emergency Clean-up.....	77.67	
02 90 50 00-0136	WK		16" Chain Saw Rental For Emergency Clean-up.....	174.75	
02 90 50 00-0137	MO		16" Chain Saw Rental For Emergency Clean-up.....	466.01	
02 90 50 00-0138	DAY		20" Chain Saw Rental For Emergency Clean-up.....	97.09	
02 90 50 00-0139	WK		20" Chain Saw Rental For Emergency Clean-up.....	218.44	
02 90 50 00-0140	MO		20" Chain Saw Rental For Emergency Clean-up.....	582.52	
02 90 50 00-0141	EA		Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	72.81	
02 90 50 00-0142	DAY		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	103.56	
02 90 50 00-0143	WK		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	283.17	
02 90 50 00-0144	MO		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up.....	792.87	
02 90 50 00-0145	DAY		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	126.21	
02 90 50 00-0146	WK		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	428.80	
02 90 50 00-0147	MO		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	817.14	
02 90 50 00-0148	DAY		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up.....	115.91	
02 90 50 00-0149	DAY		Extension Cords - 220 Volt For Emergency Clean-up.....	40.45	
02 90 50 00-0150	DAY		Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	24.27	
02 90 50 00-0151	DAY		Demolition Cart, 7 Yard For Emergency Clean-up.....	61.36	
02 90 50 00-0152	EA		Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up.....	121.36	
02 90 50 00-0153	DAY		Dry-Ice Blasting System For Emergency Clean-up.....	1,310.43	
02 90 50 00-0154	DAY		Fogger - Mist For Emergency Clean-up.....	34.09	
02 90 50 00-0155	DAY		Fogger - Electric Thermal For Emergency Clean-up.....	49.09	
02 90 50 00-0156	DAY		Fogger - Gas Power Thermal For Emergency Clean-up.....	131.87	
02 90 50 00-0157	EA		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	162.34	
02 90 50 00-0158	DAY		Hand Trucks/Dollies For Emergency Clean-up.....	19.42	
02 90 50 00-0159	DAY		Heat Gun - Shrink Wrap For Emergency Clean-up.....	100.96	
02 90 50 00-0160	DAY		High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	142.86	
			Note: Includes all filters.		
02 90 50 00-0161	DAY		Ladder For Emergency Clean-up.....	27.51	
02 90 50 00-0162	DAY		Lights - Demo, Drop, Stand, String For Emergency Clean-up.....	24.55	
02 90 50 00-0163	DAY		Lights - Wobble For Emergency Clean-up.....	30.00	
02 90 50 00-0164	DAY		Moisture Meter For Emergency Clean-up.....	40.91	
02 90 50 00-0165	DAY		Nail Gun For Emergency Clean-up.....	72.81	
02 90 50 00-0166	DAY		Ozone Generator For Emergency Clean-up.....	170.45	
02 90 50 00-0167	DAY		PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up.....	97.09	
02 90 50 00-0168	DAY		Portable Generator, Up To 7,500 Watt For Emergency Clean-up.....	136.36	
02 90 50 00-0169	DAY		Pressure Washer, Hot For Emergency Clean-up.....	204.55	
02 90 50 00-0170	DAY		Pressure Washer, Cold For Emergency Clean-up.....	136.36	
02 90 50 00-0171	DAY		Scaffolding - Per Section For Emergency Clean-up.....	105.18	
02 90 50 00-0172	DAY		Small Tools - Tool Box For Emergency Clean-up.....	40.45	
02 90 50 00-0173	DAY		Soda Blasting Equipment For Emergency Clean-up.....	1,300.33	
02 90 50 00-0174	DAY		Sprayer - Hudson For Emergency Clean-up.....	12.94	
02 90 50 00-0175	DAY		0.47 GPM, Airless Paint Sprayer For Emergency Clean-up.....	109.71	
02 90 50 00-0176	DAY		Storage Space (Per SF Per Day) For Emergency Clean-up.....	3.14	
02 90 50 00-0177	DAY		Submersible Pump For Emergency Clean-up.....	34.09	
02 90 50 00-0178	DAY		Trash Pump - 2" Gas Powered For Emergency Clean-up.....	187.11	
02 90 50 00-0179	DAY		Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	92.88	
02 90 50 00-0180	DAY		Vehicle, Van For Emergency Clean-up.....	151.44	
02 90 50 00-0181	DAY		16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	183.15	
			Note: Includes Mileage		
02 90 50 00-0182	DAY		Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	201.24	
02 90 50 00-0183	DAY		Utility Trailer For Emergency Clean-up.....	167.59	
			Note: Includes Mileage		
02 90 50 00-0184	DAY		Truck Mount, Per Wand Extraction For Emergency Clean-up.....	755.84	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0185	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.09
02 90 50 00-0186	DAY	Vacuum - Shop Vacuum For Emergency Clean-up	34.09
02 90 50 00-0187	DAY	Vacuum - Commercial For Emergency Clean-up	102.27
02 90 50 00-0188	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	115.91
02 90 50 00-0189	DAY	Vacuum - Upright For Emergency Clean-up	22.21
02 90 50 00-0190	DAY	Zip Walls (Per 2 Poles) For Emergency Clean-up	34.09
02 90 50 00-0191	DAY	2 Way Radio For Emergency Clean-up	27.27

02 90 50 00-0192 Technical/Electronics Restoration Equipment (02 90 50 00-0106)

02 90 50 00-0193	DAY	Computer - Diagnostic For Emergency Clean-up	40.45
02 90 50 00-0194	WK	Computer - Diagnostic For Emergency Clean-up	111.24
02 90 50 00-0195	MO	Computer - Diagnostic For Emergency Clean-up	303.39
02 90 50 00-0196	DAY	Convection Oven - Large For Emergency Clean-up	587.57
02 90 50 00-0197	WK	Convection Oven - Large For Emergency Clean-up	1,615.82
02 90 50 00-0198	MO	Convection Oven - Large For Emergency Clean-up	4,406.79
02 90 50 00-0199	DAY	Convection Oven - Small For Emergency Clean-up	145.63
02 90 50 00-0200	WK	Convection Oven - Small For Emergency Clean-up	400.48
02 90 50 00-0201	MO	Convection Oven - Small For Emergency Clean-up	1,092.22
02 90 50 00-0202	DAY	Convection Oven - Vacuum For Emergency Clean-up	838.62
02 90 50 00-0203	WK	Convection Oven - Vacuum For Emergency Clean-up	2,306.21
02 90 50 00-0204	MO	Convection Oven - Vacuum For Emergency Clean-up	6,289.65
02 90 50 00-0205	DAY	Decontamination Booth For Emergency Clean-up	693.24
02 90 50 00-0206	WK	Decontamination Booth For Emergency Clean-up	1,906.41
02 90 50 00-0207	MO	Decontamination Booth For Emergency Clean-up	5,199.31
02 90 50 00-0208	DAY	DI Water System For Emergency Clean-up	53.84
02 90 50 00-0209	WK	DI Water System For Emergency Clean-up	148.07
02 90 50 00-0210	MO	DI Water System For Emergency Clean-up	403.83
02 90 50 00-0211	DAY	ESD Bench Workstation For Emergency Clean-up	32.98
02 90 50 00-0212	WK	ESD Bench Workstation For Emergency Clean-up	90.69
02 90 50 00-0213	MO	ESD Bench Workstation For Emergency Clean-up	247.35
02 90 50 00-0214	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.27
02 90 50 00-0215	WK	Heater/Enclosure Control System For Emergency Clean-up	66.75
02 90 50 00-0216	MO	Heater/Enclosure Control System For Emergency Clean-up	182.04
02 90 50 00-0217	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	84.80
02 90 50 00-0218	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	233.21
02 90 50 00-0219	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	636.03
02 90 50 00-0220	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	364.07
02 90 50 00-0221	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,001.20
02 90 50 00-0222	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,730.54
02 90 50 00-0223	DAY	Mobile Laboratory For Emergency Clean-up	1,011.31
02 90 50 00-0224	WK	Mobile Laboratory For Emergency Clean-up	2,781.11
02 90 50 00-0225	MO	Mobile Laboratory For Emergency Clean-up	7,584.84
02 90 50 00-0226	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.42
02 90 50 00-0227	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.40
02 90 50 00-0228	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	145.63
02 90 50 00-0229	DAY	Odell Cleaning Station For Emergency Clean-up	566.34
02 90 50 00-0230	WK	Odell Cleaning Station For Emergency Clean-up	1,557.42
02 90 50 00-0231	MO	Odell Cleaning Station For Emergency Clean-up	4,247.51
02 90 50 00-0232	DAY	Parts Washer For Emergency Clean-up	40.45
02 90 50 00-0233	WK	Parts Washer For Emergency Clean-up	111.24
02 90 50 00-0234	MO	Parts Washer For Emergency Clean-up	303.39
02 90 50 00-0235	DAY	Ultrasonic Cleaning System For Emergency Clean-up	252.39
02 90 50 00-0236	WK	Ultrasonic Cleaning System For Emergency Clean-up	694.08
02 90 50 00-0237	MO	Ultrasonic Cleaning System For Emergency Clean-up	1,892.95
02 90 50 00-0238	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	108.07
02 90 50 00-0239	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	297.20
02 90 50 00-0240	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	810.55

02 90 50 00-0241 Drying/Dehumidification Equipment (02 90 50 00-0106)

02 90 50 00-0242	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	170.45
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 50 00-0243	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	468.75
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 50 00-0244	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	1,278.41
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.	
02 90 50 00-0245	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	66.28
02 90 50 00-0246	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	182.27
02 90 50 00-0247	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	497.11
02 90 50 00-0248	DAY	Injectidry System For Emergency Clean-up	211.36
02 90 50 00-0249	WK	Injectidry System For Emergency Clean-up	581.25
02 90 50 00-0250	MO	Injectidry System For Emergency Clean-up	1,585.23
02 90 50 00-0251	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	136.36
02 90 50 00-0252	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	375.00
02 90 50 00-0253	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,022.73
02 90 50 00-0254	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	202.26
02 90 50 00-0255	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	556.22
02 90 50 00-0256	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,516.97
02 90 50 00-0257	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	188.31
02 90 50 00-0258	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	517.86
02 90 50 00-0259	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,412.34
02 90 50 00-0260	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	201.30
02 90 50 00-0261	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	553.57
02 90 50 00-0262	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,509.74

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0263	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	201.30	
02 90 50 00-0264	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	553.57	
02 90 50 00-0265	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,509.74	
02 90 50 00-0266	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	227.27	
02 90 50 00-0267	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	625.00	
02 90 50 00-0268	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,704.54	
02 90 50 00-0269	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	477.27	
02 90 50 00-0270	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,312.50	
02 90 50 00-0271	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,579.54	
02 90 50 00-0272	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	818.18	
02 90 50 00-0273	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,250.00	
02 90 50 00-0274	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,136.36	
02 90 50 00-0275	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,259.74	
02 90 50 00-0276	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,464.28	
02 90 50 00-0277	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,448.04	
02 90 50 00-0278	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,259.74	
02 90 50 00-0279	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,464.28	
02 90 50 00-0280	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,448.04	
02 90 50 00-0281	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,315.58	
02 90 50 00-0282	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,617.85	
02 90 50 00-0283	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	9,866.87	
02 90 50 00-0284	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,636.36	
02 90 50 00-0285	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,500.00	
02 90 50 00-0286	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,272.72	
02 90 50 00-0287	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,840.91	
02 90 50 00-0288	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,062.49	
02 90 50 00-0289	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	13,806.80	
02 90 50 00-0290	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	1,977.27	
02 90 50 00-0291	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,437.49	
02 90 50 00-0292	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	14,829.53	
02 90 50 00-0293	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,597.40	
02 90 50 00-0294	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,142.85	
02 90 50 00-0295	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,480.50	
02 90 50 00-0296	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,727.27	
02 90 50 00-0297	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,499.99	
02 90 50 00-0298	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,454.52	
02 90 50 00-0299	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	443.18	
02 90 50 00-0300	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,218.75	
02 90 50 00-0301	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,323.86	
02 90 50 00-0302	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	613.64	
02 90 50 00-0303	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,687.50	
02 90 50 00-0304	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,602.27	
02 90 50 00-0305	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	818.18	
02 90 50 00-0306	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,250.00	
02 90 50 00-0307	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,136.36	
02 90 50 00-0308	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,090.91	
02 90 50 00-0309	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,000.00	
02 90 50 00-0310	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,181.81	
02 90 50 00-0311	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,840.91	
02 90 50 00-0312	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,062.49	
02 90 50 00-0313	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	13,806.80	
02 90 50 00-0314	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,045.45	
02 90 50 00-0315	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,624.99	
02 90 50 00-0316	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,340.89	
02 90 50 00-0317	DAY	25' Flex Duct For Emergency Clean-up	27.27	
02 90 50 00-0318	WK	25' Flex Duct For Emergency Clean-up	75.00	
02 90 50 00-0319	MO	25' Flex Duct For Emergency Clean-up	204.55	
02 90 50 00-0320	DAY	Hygrothermograph For Emergency Clean-up	40.45	
02 90 50 00-0321	WK	Hygrothermograph For Emergency Clean-up	111.24	
02 90 50 00-0322	MO	Hygrothermograph For Emergency Clean-up	303.39	
02 90 50 00-0323	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	6,410.12	
02 90 50 00-0324	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	17,627.83	
02 90 50 00-0325	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	48,075.89	
02 90 50 00-0326		Power Equipment (02 90 50 00-0106)		
02 90 50 00-0327	WK	Up to 65 KVA Generator For Emergency Clean-up	844.16	
02 90 50 00-0328	WK	>65 to 125 KVA Generator For Emergency Clean-up	1,428.57	
02 90 50 00-0329	WK	>125 to 250 KVA Generator For Emergency Clean-up	1,391.91	
02 90 50 00-0330	WK	>250 to 375 KVA Generator For Emergency Clean-up	2,402.60	
02 90 50 00-0331	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	3,246.75	
02 90 50 00-0332	WK	>440 to 625 KVA Generator For Emergency Clean-up	4,883.90	
02 90 50 00-0333	WK	>625 to 800 KVA Generator For Emergency Clean-up	5,000.00	
02 90 50 00-0334	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	6,688.30	
02 90 50 00-0335	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	10,064.92	
02 90 50 00-0336	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	21.82	
02 90 50 00-0337	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	104.55	
02 90 50 00-0338	EA	Electrical Distribution Panel For Emergency Clean-up	252.39	
02 90 50 00-0339	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	39.29	
02 90 50 00-0340	EA	50' Power Cord For Spider Box For Emergency Clean-up	36.36	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0341	EA	Pig Tails (Per Each) For Emergency Clean-up	4.05
02 90 50 00-0342 Freight Charges (02 90 50 00-0106)			
02 90 50 00-0343	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.02
02 90 50 00-0344	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.64
02 90 50 00-0345	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.64
02 90 50 00-0346	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.26
02 90 50 00-0347 Emergency Clean-up Personal Protection Equipment (02 90 50)			
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.			
02 90 50 00-0348	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.29
02 90 50 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	39.43
02 90 50 00-0350	BOX	Dust Mask For Emergency Clean-up Personal Protection Equipment	43.96
02 90 50 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	3.03
02 90 50 00-0352	BOX	5 Mil, Disposable Latex Gloves For Emergency Clean-up Personal Protection Equipment, Box of 100	20.45
02 90 50 00-0353	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.23
02 90 50 00-0354	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.47
02 90 50 00-0355	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	11.97
02 90 50 00-0356	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	87.10
02 90 50 00-0357	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.24
02 90 50 00-0358	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.82
02 90 50 00-0359 Emergency Clean-up Expendables (02 90 50)			
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.			
02 90 50 00-0360 General Materials (02 90 50 00-0359)			
02 90 50 00-0361	GAL	Adhesive Remover For Emergency Clean-up	102.27
02 90 50 00-0362	GAL	Bio-HS For Emergency Clean-up	34.48
02 90 50 00-0363	GAL	Biocide For Emergency Clean-up	44.00
02 90 50 00-0364	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	5.39
02 90 50 00-0365	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	8.18
02 90 50 00-0366	GAL	Bleach For Emergency Clean-up	11.00
02 90 50 00-0367	EA	Small Stainless Brush For Emergency Clean-up	6.73
02 90 50 00-0368	EA	2-1/2 Gallon Buckets For Emergency Clean-up	8.54
02 90 50 00-0369	EA	5 Gallon Bucket For Emergency Clean-up	12.94
02 90 50 00-0370	GAL	Carpet Defoamer For Emergency Clean-up	33.30
02 90 50 00-0371	GAL	Carpet Pre-treat For Emergency Clean-up	24.90
02 90 50 00-0372	GAL	Carpet Spotter For Emergency Clean-up	41.73
02 90 50 00-0373	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	33.65
02 90 50 00-0374	ROL	Carpet Masking/Shield For Emergency Clean-up	93.35
02 90 50 00-0375	EA	Chemical Sponge For Emergency Clean-up	4.03
02 90 50 00-0376	GAL	Clear Seal For Emergency Clean-up	137.51
02 90 50 00-0377	GAL	Coil Cleaner For Emergency Clean-up	64.28
02 90 50 00-0378	EA	Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment	47.23
02 90 50 00-0379	EA	Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment	20.89
02 90 50 00-0380	EA	Decontamination Chamber For Emergency Clean-up	279.55
02 90 50 00-0381	GAL	All Purpose Degreaser For Emergency Clean-up	45.00
02 90 50 00-0382	GAL	Heavy Duty Degreaser For Emergency Clean-up	54.21
02 90 50 00-0383	GAL	De-Foamer Liquid For Emergency Clean-up	59.14
02 90 50 00-0384	EA	Deodorization Membrane For Emergency Clean-up	115.95
02 90 50 00-0385	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	176.79
02 90 50 00-0386	LB	Deodorizing Gel For Emergency Clean-up	41.53
02 90 50 00-0387	GAL	Deodorizing Liquid For Emergency Clean-up	61.49
02 90 50 00-0388	PAIL	Deodorizing Block For Emergency Clean-up	10.44
02 90 50 00-0389	GAL	Disinfectant/Antimicrobial For Emergency Clean-up	107.77
02 90 50 00-0390	GAL	BruClean Disinfectant For Emergency Clean-up	32.73
02 90 50 00-0391	GAL	Dryclean For Emergency Clean-up	48.32
02 90 50 00-0392	GAL	Duct Sealant Spray For Emergency Clean-up	72.81
02 90 50 00-0393	GAL	Antifungal Duct Sealant For Emergency Clean-up	105.18
02 90 50 00-0394	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	159.43
02 90 50 00-0395	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.65
02 90 50 00-0396	GAL	Encapsulant For Emergency Clean-up	110.38
02 90 50 00-0397	GAL	Aftershock Fiberlocke For Emergency Clean-up	96.92
02 90 50 00-0398	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	124.88
02 90 50 00-0399	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	128.44
02 90 50 00-0400	ROL	Filter Material For Emergency Clean-up	250.71
02 90 50 00-0401	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	6.75
02 90 50 00-0402	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	536.23
02 90 50 00-0403	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	2.57
02 90 50 00-0404	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	11.45
02 90 50 00-0405	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	40.78
02 90 50 00-0406	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	387.84
02 90 50 00-0407	EA	Pleated Dehumidifier Filter For Emergency Clean-up	10.23
02 90 50 00-0408	GAL	Floor Stripper For Emergency Clean-up	22.65
02 90 50 00-0409	GAL	Floor Wax For Emergency Clean-up	32.36
02 90 50 00-0410	GAL	Fogger (Thermal) For Emergency Clean-up	187.51
02 90 50 00-0411	BOX	Furniture Blocks For Emergency Clean-up	151.03
02 90 50 00-0412	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	20.35
02 90 50 00-0413	GAL	Glass Cleaner For Emergency Clean-up	13.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0414	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.74	
02 90 50 00-0415	EA		Goof Off Spray, 12 Oz For Emergency Clean-up	16.23	
02 90 50 00-0416	EA		Halogen Light Bulbs For Emergency Clean-up	23.11	
02 90 50 00-0417	QT		Hand Sanitizer For Emergency Clean-up	11.42	
02 90 50 00-0418	EA		Hard Hats For Emergency Clean-up Personal Protection Equipment	9.41	
02 90 50 00-0419	BOX		Hog Rings, Box Of 2,500 For Emergency Clean-up	19.78	
02 90 50 00-0420	GAL		HVAC Coal Cleaner For Emergency Clean-up	64.28	
02 90 50 00-0421	BOX		Inventory Tag, Box Of 1,000 For Emergency Clean-up	139.13	
02 90 50 00-0422	EA		Utility Knives For Emergency Clean-up	17.80	
02 90 50 00-0423	ROL		13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	119.35	
02 90 50 00-0424	ROL		20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	126.00	
02 90 50 00-0425	ROL		29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	250.87	
02 90 50 00-0426	ROL		39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	362.61	
02 90 50 00-0427	GAL		Lemon Oil For Emergency Clean-up	54.55	
02 90 50 00-0428	GAL		LPS 1/Mecca Lube For Emergency Clean-up	58.80	
02 90 50 00-0429	GAL		LPS 2 For Emergency Clean-up	62.23	
02 90 50 00-0430	GAL		LPS Contact Cleaner For Emergency Clean-up	61.94	
02 90 50 00-0431	GAL		Light Lubricant Preserve For Emergency Clean-up	145.23	
02 90 50 00-0432	GAL		Heavy Lubricant Preserver For Emergency Clean-up	32.36	
02 90 50 00-0433	GAL		Machinery Cleaning Solvent For Emergency Clean-up	261.14	
02 90 50 00-0434	GAL		Metal Polishing Paste For Emergency Clean-up	26.88	
02 90 50 00-0435	GAL		MediClean® Disinfectant For Emergency Clean-up	65.40	
02 90 50 00-0436	GAL		Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	80.27	
02 90 50 00-0437	EA		Mop Heads For Emergency Clean-up	9.69	
02 90 50 00-0438	EA		Nylon Scouring Pads For Emergency Clean-up	1.78	
02 90 50 00-0439	GAL		Odor Neutralizer For Emergency Clean-up	41.73	
02 90 50 00-0440	EA		Packing Paper, 25 LB Bundle For Emergency Clean-up	72.35	
02 90 50 00-0441	EA		Paint Brushes For Emergency Clean-up	8.09	
02 90 50 00-0442	ROL		Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	168.73	
02 90 50 00-0443	EA		Putty Knives For Emergency Clean-up	7.33	
02 90 50 00-0444	ROL		Red Resin Paper, 200' Roll For Emergency Clean-up	36.82	
02 90 50 00-0445	GAL		Reodorant For Emergency Clean-up	137.54	
02 90 50 00-0446	EA		N95 Respirator For Emergency Clean-up Personal Protection Equipment	4.71	
02 90 50 00-0447	EA		N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	7.31	
02 90 50 00-0448	PR		3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	49.06	
02 90 50 00-0449	PR		P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	49.06	
02 90 50 00-0450	EA		Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	39.26	
02 90 50 00-0451	GAL		Restoracide For Emergency Clean-up	64.51	
02 90 50 00-0452	GAL		Rust Remover For Emergency Clean-up	95.45	
02 90 50 00-0453	EA		Saltesmo Test Samples For Emergency Clean-up	8.87	
02 90 50 00-0454	EA		Sand Bag For Emergency Clean-up	2.32	
			Note: Excludes sand material		
02 90 50 00-0455	EA		Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	28.97	
02 90 50 00-0456	EA		Small Scrub Brushes For Emergency Clean-up	15.48	
02 90 50 00-0457	GAL		Clear Soot Sealant For Emergency Clean-up	110.70	
02 90 50 00-0458	GAL		Pigmented Soot Sealant For Emergency Clean-up	298.55	
02 90 50 00-0459	ROL		Shrinkwrap Plastic For Emergency Clean-up	68.73	
02 90 50 00-0460	EA		Dry Sponges For Emergency Clean-up	5.38	
02 90 50 00-0461	EA		Spray Adhesive, Per Can For Emergency Clean-up	7.17	
02 90 50 00-0462	EA		Spray Bot./Trigger For Emergency Clean-up	6.25	
02 90 50 00-0463	GAL		Stain Remover For Emergency Clean-up	37.69	
02 90 50 00-0464	GAL		Stainless Steel Cleaner For Emergency Clean-up	13.51	
02 90 50 00-0465	EA		Stainless Steel Polish, Per Can For Emergency Clean-up	17.73	
02 90 50 00-0466	LB		Sweeping Compound For Emergency Clean-up	0.59	
02 90 50 00-0467	ROL		Duct Tape, 2" x 50 YD For Emergency Clean-up	14.03	
02 90 50 00-0468	ROL		Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	13.19	
02 90 50 00-0469	ROL		HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	35.60	
02 90 50 00-0470	ROL		Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	18.78	
02 90 50 00-0471	ROL		Poly Box Tape, 2" x 110 YD For Emergency Clean-up	5.79	
02 90 50 00-0472	LB		Terry Towels For Emergency Clean-up	8.33	
02 90 50 00-0473	GAL		Thermal Fog For Emergency Clean-up	84.80	
02 90 50 00-0474	ROL		Lawn And Leaf Trash Bags For Emergency Clean-up	43.64	
02 90 50 00-0475	ROL		6 Mil Heavy Duty Trash Bags (50 Count) For Emergency Clean-up	174.03	
02 90 50 00-0476	EA		Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	59.04	
02 90 50 00-0477	EA		Backpack Vacuum Bags For Emergency Clean-up	1.99	
02 90 50 00-0478	EA		Upright Vacuum Bags For Emergency Clean-up	2.65	
02 90 50 00-0479	GAL		Vinyl And Leather Cleaner For Emergency Clean-up	33.65	
02 90 50 00-0480	ROL		1 Mil Visqueen, 12' x 400', For Emergency Clean-up	56.53	
02 90 50 00-0481	ROL		4 Mil Visqueen, 32' x 100', For Emergency Clean-up	153.51	
02 90 50 00-0482	ROL		6 Mil Visqueen, 32' x 400', For Emergency Clean-up	209.45	
02 90 50 00-0483	LB		Wipes, Cotton Cloth For Emergency Clean-up	5.94	
02 90 50 00-0484	ROL		12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up	172.40	
02 90 50 00-0485	EA		Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	16.83	
02 90 50 00-0486	EA		Zip Wall Zippers For Emergency Clean-up	26.17	

02 90 50 00-0487 Technical/Electronics Restoration Materials (02 90 50 00-0359)

02 90 50 00-0488	EA		Brush - Brass For Emergency Clean-up	6.07	
02 90 50 00-0489	EA		1" Brush, Natural Bristle For Emergency Clean-up	1.94	
02 90 50 00-0490	EA		1/2" Brush, Natural Bristle For Emergency Clean-up	1.62	
02 90 50 00-0491	EA		1/4" Brush, Natural Bristle For Emergency Clean-up	1.38	
02 90 50 00-0492	EA		Brush - Parts For Emergency Clean-up	8.41	
02 90 50 00-0493	EA		Brush - Plastic For Emergency Clean-up	4.37	
02 90 50 00-0494	EA		Brush - Wire Grout For Emergency Clean-up	9.42	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0495	EA	Brushing Tool For Emergency Clean-up.....	18.17
02 90 50 00-0496	EA	Cleaning Swabs, Cotton For Emergency Clean-up.....	0.40
02 90 50 00-0497	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.49
02 90 50 00-0498	EA	Contact Restorer, Per Can For Emergency Clean-up.....	39.24
02 90 50 00-0499	EA	Contact Spray, Per Can For Emergency Clean-up.....	26.70
02 90 50 00-0500	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up.....	3.88
02 90 50 00-0501	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up.....	8.90
02 90 50 00-0502	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up.....	15.37
02 90 50 00-0503	LB	Cotton Cleaning Cloths For Emergency Clean-up.....	24.27
02 90 50 00-0504	EA	12" x 17" Dust Cloths For Emergency Clean-up.....	0.36
02 90 50 00-0505	EA	24" x 24" Dust Cloths For Emergency Clean-up.....	1.00
02 90 50 00-0506	EA	Deoxidizing Agent, Per Can For Emergency Clean-up.....	19.01
02 90 50 00-0507	GAL	Electronic Grade Detergent For Emergency Clean-up.....	40.38
02 90 50 00-0508	SHT	Inventory Labels For Emergency Clean-up.....	0.16
02 90 50 00-0509	GAL	Isopropyl Alcohol For Emergency Clean-up.....	107.02
02 90 50 00-0510	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	156.05
02 90 50 00-0511	GAL	PC Board Detergent For Emergency Clean-up.....	110.84
02 90 50 00-0512	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up.....	180.00
02 90 50 00-0513	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up.....	181.35
02 90 50 00-0514	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up.....	193.84
02 90 50 00-0515	LB	Wipes, Lint Free Cloths For Emergency Clean-up.....	6.38
02 90 50 00-0516	EA	Wire Marker Card For Emergency Clean-up.....	2.83
02 90 50 00-0517	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up.....	1.43
02 90 50 00-0518		Board Up And Tarp Up (02 90 50)	
02 90 50 00-0519	SF	Polyethylene Tarp On Roof For Emergency Clean-up.....	0.24
02 90 50 00-0520	SF	Temporary Plywood On Roof For Emergency Clean-up.....	2.19
02 90 50 00-0521	SF	Temporary Plywood On Wall Or Windows For Emergency Clean-up.....	2.56
02 90 50 00-0522		Minimum Charges (02 90 50)	
02 90 50 00-0523	EA	Minimum For Emergency Cleaning.....	969.80
02 90 50 00-0524	EA	Minimum For Emergency Water Extraction.....	208.65
02 90 50 00-0525	EA	Minimum For Emergency Carpet Cleaning.....	194.17

END OF SECTION 02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance of Concrete⁽⁰³⁾

03 01 30 Maintenance of Cast-In-Place Concrete^(03 01)

03 01 30 51 Cleaning of Cast-In-Place Concrete^(03 01 30)

03 01 30 51-0001 Abrasive Blasting^(03 01 30 51)

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting		2.22
	<i>For Up To 100, Add</i>		2.52
	<i>For >100 To 250, Add</i>		0.63
	<i>For >250 To 500, Add</i>		0.32
	<i>For >5,000 To 10,000, Deduct</i>		-0.06
	<i>For >10,000, Deduct</i>		-0.13

03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting		3.47
	<i>For Up To 100, Add</i>		5.02
	<i>For >100 To 250, Add</i>		1.26
	<i>For >250 To 500, Add</i>		0.63
	<i>For >5,000 To 10,000, Deduct</i>		-0.13
	<i>For >10,000, Deduct</i>		-0.25

03 01 30 71 Rehabilitation of Cast-In-Place Concrete^(03 01 30)

03 01 30 71-0001 Concrete Resurfacing/Repair^(03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair^(03 01 30 71-0001)

03 01 30 71-0003 Decks Or Floors^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	CF Patch Decks Or Floors With Portland Cement Based Repair Material		110.89
03 01 30 71-0005	CF Patch Decks Or Floors With Rapid Set Concrete Repair Material		155.76
03 01 30 71-0006	CF Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate		144.87
03 01 30 71-0007	CF Patch Decks Or Floors With SSI FlexPatch (Other Than Specified)		318.54

03 01 30 71-0008 Verticals Or Overheads^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0009	CF Patch Verticals Or Overheads With Portland Cement Based Repair Material		119.04
03 01 30 71-0010	CF Patch Verticals Or Overheads With Rapid Setting Concrete Repair Material		163.91
03 01 30 71-0011	CF Patch Verticals Or Overheads With Rapid Setting Polymer Concrete Methylmethacrylate		168.75
03 01 30 71-0012	CF Patch Verticals Or Overheads With SSI FlexPatch (Other Than Specified)		335.09
03 01 30 71-0013	SF Patch Verticals Or Overheads With 1/8" To 1/4" Elastomeric Patching Compound		7.05
03 01 30 71-0014	SF Patch Verticals Or Overheads With 1/8" To 1/4" Copolymer Cementitious Compound		12.35

Note: Rapid Set - WunderFixx

03 01 30 71-0015 Edge Repair^(03 01 30 71-0002)

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0016	CF Patch Edge, Portland Cement Based Repair Material		128.36
03 01 30 71-0017	CF Patch Edge, Rapid Setting Concrete Repair Material		173.23
03 01 30 71-0018	CF Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate		180.91
03 01 30 71-0019	CF Patch Edge, SSI Flex Patch (Other Than Specified)		353.48

03 01 30 71-0020 Crack Repair For Concrete^(03 01 30 71-0001)

03 01 30 71-0021 Non Structural Crack Repair For Concrete^(03 01 30 71-0020)

03 01 30 71-0022 Surface Applied, Non Structural Crack Repair For Concrete^(03 01 30 71-0021)

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0023	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)		5.13
	<i>For V-Grooving Crack With Grinder, Add</i>		4.11
03 01 30 71-0024	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)		6.70
	<i>For V-Grooving Crack With Grinder, Add</i>		4.01
03 01 30 71-0025	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)		5.23
	<i>For V-Grooving Crack With Grinder, Add</i>		4.11
03 01 30 71-0026	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)		6.89
	<i>For V-Grooving Crack With Grinder, Add</i>		4.01
03 01 30 71-0027	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)		5.58
	<i>For V-Grooving Crack With Grinder, Add</i>		4.11
03 01 30 71-0028	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)		7.59
	<i>For V-Grooving Crack With Grinder, Add</i>		4.01
03 01 30 71-0029	LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)		5.83
	<i>For V-Grooving Crack With Grinder, Add</i>		4.11

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 01 30 71-0030	LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) <i>For V-Grooving Crack With Grinder, Add</i>	8.10	4.01
03 01 30 71-0031	Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0021) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0032	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570) <i>For Cracks Accessible From Both Sides, Add</i>	22.30	4.54
03 01 30 71-0033	Structural Crack Repair For Concrete (03 01 30 71-0020)		
03 01 30 71-0034	Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0033) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0035	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) <i>For V-Grooving Crack With Grinder, Add</i>	5.90	4.11
03 01 30 71-0036	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) <i>For V-Grooving Crack With Grinder, Add</i>	8.23	4.01
03 01 30 71-0037	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52) <i>For V-Grooving Crack With Grinder, Add</i>	5.70	4.11
03 01 30 71-0038	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52) <i>For V-Grooving Crack With Grinder, Add</i>	7.83	4.01
03 01 30 71-0039	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) <i>For V-Grooving Crack With Grinder, Add</i>	6.90	4.11
03 01 30 71-0040	LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) <i>For V-Grooving Crack With Grinder, Add</i>	10.24	4.01
03 01 30 71-0041	Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0033) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0042	LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35) <i>For Cracks Accessible From Both Sides, Add</i>	19.57	4.54
03 01 30 71-0043	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52) <i>For Cracks Accessible From Both Sides, Add</i>	19.37	4.54
03 01 30 71-0044	Spall Concrete Repair (03 01 30 71-0001) Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.		
03 01 30 71-0045	SF Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	76.68	142.76 71.38
03 01 30 71-0046	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	89.91	158.62 79.31
03 01 30 71-0047	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	134.87	237.94 118.97
03 01 30 71-0048	SF Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	175.86	309.32 154.66
03 01 30 71-0049	SF Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	55.27	99.94 49.97
03 01 30 71-0050	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	66.12	111.04 55.52
03 01 30 71-0051	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	99.17	166.54 83.27
03 01 30 71-0052	SF Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	129.46	216.52 108.26
03 01 30 71-0053	Concrete Rehabilitation (03 01 30 71)		
03 01 30 71-0054	Concrete Crack Repair (03 01 30 71-0053)		
03 01 30 71-0055	Decks Or Floors, Dormant Concrete Crack Repair (03 01 30 71-0054) Note: Includes removing loose materials and cleaning.		
03 01 30 71-0056	CF Epoxy Injection, Decks Or Floors, Dormant Concrete Crack Repair	965.61	
03 01 30 71-0057	CF Semi Flexible Polymer, Decks Or Floors, Dormant Concrete Crack Repair	649.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0058			Decks Or Floors, Active Concrete Crack Repair <small>(03 01 30 71-0054)</small> Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0059	CF		Epoxy Injection, Decks Or Floors, Active Concrete Crack Repair.....	1,026.10	
03 01 30 71-0060	CF		Semi Flexible Polymer, Decks Or Floors, Active Concrete Crack Repair	710.26	
03 01 30 71-0061			Verticals And Overheads, Dormant Concrete Crack Repair <small>(03 01 30 71-0054)</small> Note: Includes removing loose materials and cleaning.		
03 01 30 71-0062	CF		Epoxy Injection, Verticals And Overheads, Dormant Concrete Crack Repair	1,046.25	
03 01 30 71-0063	CF		Semi Flexible Polymer, Verticals And Overheads, Dormant Concrete Crack Repair.....	730.41	
03 01 30 71-0064			Verticals And Overheads, Active Concrete Crack Repair <small>(03 01 30 71-0054)</small> Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0065	CF		Epoxy Injection, Verticals And Overheads, Active Concrete Crack Repair.....	1,130.92	
03 01 30 71-0066	CF		Semi Flexible Polymer, Verticals And Overheads, Active Concrete Crack Repair.....	815.08	
03 01 30 71-0067			Stitched Concrete Crack Repair <small>(03 01 30 71-0054)</small> Note: Includes chipping, routing, drilling, removing loose materials, cleaning and rebar.		
03 01 30 71-0068	CF		Epoxy Injection, Stitched Concrete Crack Repair	1,212.36	
03 01 30 71-0069			Fiberglass Reinforced Polyester (FRP) Lining In Concrete Pit <small>(03 01 30 71-0053)</small> Note: Sodium Hypochlorite storage pit.		
03 01 30 71-0070	DAY		Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Inspection, Two Person Crew.....	1,300.00	
03 01 30 71-0071	SF		Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Repairs, Inner Surface And Interior Layer Repair..... Note: 50 SF minimum	74.25	
03 01 30 71-0072	SF		Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Replacement	90.30	
			Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
03 01 30 72			Strengthening Of Cast-in-Place Concrete <small>(03 01 30)</small>		
03 01 30 72-0001			Concrete Surface Repairs <small>(03 01 30 72)</small>		
03 01 30 72-0002	SF		Sound The Concrete Surface To Locate Delaminated Areas	0.33	

03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001 Concrete Admixtures (03 05 13)

03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture			4.64
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture			3.22
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....			5.00
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....			10.00
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....			8.93
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture.....			17.86
03 05 13 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture			3.86
03 05 13 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture			5.36
03 05 13 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture			10.72
03 05 13 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture			6.13
03 05 13 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....			8.58
03 05 13 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture			11.43
03 05 13 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture.....			26.57
03 05 13 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture			57.17
03 05 13 00-0016	CY	Corrosion Inhibiting Concrete Admixture			21.44
03 05 13 00-0017	CY	Winter Service Or Heat, Concrete Add.....			5.00
03 05 13 00-0018	CY	Chilled Water, Concrete Add			5.00
03 05 13 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture			28.94
03 05 13 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture			48.24
03 05 13 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture			92.61
03 05 13 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture			128.63

03 10 Concrete Forming and Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.			
03 11 13 00-0002		Foundation Wood Formwork <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.			
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork.....			6.65
		<i>For <1,000, Add</i>			1.18
		<i>For Foundations >8' Below Grade, Add</i>			1.10
		<i>For Curved Formwork, Add</i>			2.20

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	7.80	
	For <1,000, Add	1.40	
	For Foundations >8' Below Grade, Add	1.32	
	For Curved Formwork, Add	2.64	
03 11 13 00-0005	SF Mat Foundation Wood Formwork.....	8.91	
	For <1,000, Add	1.63	
	For Foundations >8' Below Grade, Add	1.55	
	For Curved Formwork, Add	3.11	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork	7.51	
	For <1,000, Add	1.35	
	For Foundations >8' Below Grade, Add	1.27	
	For Curved Formwork, Add	2.55	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork	10.69	
	Note: Excludes footing		
	For <1,000, Add	1.91	
	For Foundations >8' Below Grade, Add	1.80	
	For Curved Formwork, Add	3.60	
03 11 13 00-0008	Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork	4.95	
	For Foundations >8' Below Grade, Add	0.87	
	For Curved Formwork, Add	1.74	
	For Up To 250, Add	0.91	
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork	7.32	
	For Foundations >8' Below Grade, Add	1.22	
	For Curved Formwork, Add	2.45	
	For Up To 250, Add	1.30	
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork	9.39	
	For Foundations >8' Below Grade, Add	1.58	
	For Curved Formwork, Add	3.17	
	For <1,000, Add	1.68	
03 11 13 00-0012	Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork.....	39.53	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork.....	58.77	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork.....	72.93	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork.....	102.44	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork.....	146.34	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork.....	191.46	
03 11 13 00-0019	Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork.....	11.82	
	For Curved Formwork, Add	4.05	
	For <1,000, Add	2.14	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork	13.96	
	For Curved Formwork, Add	4.80	
	For <1,000, Add	2.53	
03 11 13 00-0022	Elevated Beam Wood Formwork (03 11 13 00-0001)		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork	14.99	
	For Curved Formwork, Add	5.24	
	For <1,000, Add	2.75	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork.....	9.78	
	For Curved Formwork, Add	3.37	
	For <1,000, Add	1.78	
03 11 13 00-0025	Elevated Slab Wood Formwork (03 11 13 00-0001)		
	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF Elevated Slab Wood Formwork.....	9.26	
	For <1,000, Add	1.61	
03 11 13 00-0027	Metal Framed Formwork (03 11 13)		
	Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028	Foundation Metal Framed Formwork (03 11 13 00-0027)		
	Note: For foundation work below or at grade.		
03 11 13 00-0029	SF Continuous Footings Foundation Metal Framed Formwork	5.60	
	For <1,000, Add	1.01	
	For Foundations >8' Below Grade, Add	0.96	
	For Curved Formwork, Add	1.92	
03 11 13 00-0030	SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	6.19	
	For <1,000, Add	1.13	
	For Foundations >8' Below Grade, Add	1.08	
	For Curved Formwork, Add	2.15	
03 11 13 00-0031	SF Mat Foundation Metal Framed Formwork.....	6.96	
	For <1,000, Add	1.26	
	For Foundations >8' Below Grade, Add	1.19	
	For Curved Formwork, Add	2.38	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0032	SF			Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....5.88 <i>For <1,000, Add</i> 1.06 <i>For Foundations >8' Below Grade, Add</i> 1.00 <i>For Curved Formwork, Add</i> 2.00		
03 11 13 00-0033	SF			Below Grade Walls Foundation Metal Framed Formwork .....8.90 Note: Excludes footing. <i>For <1,000, Add</i> 1.64 <i>For Foundations >8' Below Grade, Add</i> 1.56 <i>For Curved Formwork, Add</i> 3.13		
03 11 13 00-0034				Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035	LF			Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....3.94 <i>For Foundations >8' Below Grade, Add</i> 0.77 <i>For Curved Formwork, Add</i> 1.53 <i>For <250, Add</i> 0.77		
03 11 13 00-0036	LF			>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork .....4.94 <i>For Foundations >8' Below Grade, Add</i> 0.95 <i>For Curved Formwork, Add</i> 1.90 <i>For <250, Add</i> 0.96		
03 11 13 00-0037	SF			>12" High Slab Edge and Block-Out Metal Framed Formwork .....5.49 <i>For Foundations >8' Below Grade, Add</i> 1.05 <i>For Curved Formwork, Add</i> 2.11 <i>For <1,000, Add</i> 1.07		
03 11 13 00-0038				Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039				Square Columns (03 11 13 00-0038)		
03 11 13 00-0040	LF			Up To 12" Square Column Metal Framed Formwork .....34.81		
03 11 13 00-0041	LF			>12" To 16" Square Column Metal Framed Formwork .....42.14		
03 11 13 00-0042	LF			>16" To 20" Square Column Metal Framed Formwork .....49.50		
03 11 13 00-0043	LF			>20" To 24" Square Column Metal Framed Formwork .....59.10		
03 11 13 00-0044	LF			>24" To 30" Square Column Metal Framed Formwork .....71.24		
03 11 13 00-0045	LF			>30" To 36" Square Column Metal Framed Formwork .....85.62		
03 11 13 00-0046	LF			>36" To 48" Square Column Metal Framed Formwork .....109.90		
03 11 13 00-0047	LF			>48" To 60" Square Column Metal Framed Formwork .....135.65		
03 11 13 00-0048				Round Columns (03 11 13 00-0038)		
03 11 13 00-0049	LF			Up To 12" Diameter Column Metal Formwork .....36.32		
03 11 13 00-0050	LF			>12" To 16" Diameter Column Metal Formwork .....40.24		
03 11 13 00-0051	LF			>16" To 20" Diameter Column Metal Formwork .....46.00		
03 11 13 00-0052	LF			>20" To 24" Diameter Column Metal Formwork .....53.31		
03 11 13 00-0053	LF			>24" To 30" Diameter Column Metal Formwork .....62.72		
03 11 13 00-0054	LF			>30" To 36" Diameter Column Metal Formwork .....71.68		
03 11 13 00-0055	LF			>36" To 48" Diameter Column Metal Formwork .....93.71		
03 11 13 00-0056	LF			>48" To 60" Diameter Column Metal Formwork .....124.26		
03 11 13 00-0057				Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF			Up to 8' High Above Grade Wall Metal Framed Formwork .....5.57 <i>For Curved Formwork, Add</i> 1.79 <i>For <1,000, Add</i> 0.97		
03 11 13 00-0059	SF			>8' High Above Grade Wall Metal Framed Formwork .....6.82 <i>For Curved Formwork, Add</i> 2.16 <i>For <1,000, Add</i> 1.18		
03 11 13 00-0060				Elevated Beam Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF			Bottom of Elevated Beam Metal Framed Formwork .....5.55 <i>For Curved Formwork, Add</i> 1.68 <i>For <1,000, Add</i> 0.93		
03 11 13 00-0062	SF			Vertical Sides of Elevated Beam Metal Framed Formwork .....4.16 <i>For Curved Formwork, Add</i> 1.31 <i>For <1,000, Add</i> 0.72		
03 11 13 00-0063				Elevated Slab Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF			Elevated Slab Metal Framed Formwork .....7.60 <i>For <1,000, Add</i> 1.13		
03 11 13 00-0065				Fiber Tube Formwork (03 11 13)		
03 11 13 00-0066				Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067	LF			6" Diameter Round Fiber Tube Formwork .....14.23 <i>For Plastic Lined, Add</i> 0.62 <i>For Columns >12' In Length, Add</i> 1.42		
03 11 13 00-0068	LF			8" Diameter Round Fiber Tube Formwork .....15.05 <i>For Plastic Lined, Add</i> 0.74 <i>For Columns >12' In Length, Add</i> 1.51		
03 11 13 00-0069	LF			10" Diameter Round Fiber Tube Formwork .....16.65 <i>For Plastic Lined, Add</i> 0.85 <i>For Columns >12' In Length, Add</i> 1.67		

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0070	LF		12" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	19.77 1.22 1.98	
03 11 13 00-0071	LF		14" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	22.50 1.65 2.25	
03 11 13 00-0072	LF		16" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	24.57 2.09 2.46	
03 11 13 00-0073	LF		18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	25.85 2.27 2.59	
03 11 13 00-0074	LF		20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	28.40 2.83 2.84	
03 11 13 00-0075	LF		22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	31.29 3.41 3.13	
03 11 13 00-0076	LF		24" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	34.19 3.99 3.42	
03 11 13 00-0077	LF		26" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	35.78 4.36 3.58	
03 11 13 00-0078	LF		28" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	38.29 5.00 3.83	
03 11 13 00-0079	LF		30" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	40.98 5.69 4.10	
03 11 13 00-0080	LF		36" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	50.53 8.15 5.05	
03 11 13 00-0081	LF		42" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	70.48 13.83 7.05	
03 11 13 00-0082	LF		48" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	84.79 17.83 8.48	
03 11 13 00-0083	LF		54" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	144.18 35.17 14.42	
03 11 13 00-0084	LF		60" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	160.63 39.74 16.06	
03 11 13 00-0085			Accessories For Formwork (03 11 13)		
03 11 13 00-0086			Keyway Forms, All Materials (03 11 13 00-0085)		
03 11 13 00-0087	LF		2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.67	
03 11 13 00-0088			Chamfer Strips, All Materials (03 11 13 00-0085)		
03 11 13 00-0089	LF		1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.76	
03 11 13 00-0090	LF		3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.08	
03 11 13 00-0091	LF		1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.40	
03 11 13 00-0092			Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)		
03 11 13 00-0093	LF		24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	8.29	
03 11 13 00-0094			Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)		
03 11 13 00-0095	EA		2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	9.90	
03 11 13 00-0096	EA		4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	12.20	
03 11 13 00-0097	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.77	
03 11 13 00-0098	EA		8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	17.16	
03 11 13 00-0099	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	22.23	
03 11 13 00-0100	EA		18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	51.82	
03 11 16			Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 13			Concrete Form Liners (03 11 16)		
03 11 16 13-0001			Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002	SF		Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	4.53	
03 11 23			Permanent Stair Forming (03 11)		
03 11 23 00-0001			Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002	SF		Cast On Grade Stairway Wood Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	14.30 5.31 2.72	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 23 00-0003	SF	Elevated Stairway Wood Formwork.....	28.38	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	10.32	
		For <1,000, Add	5.33	

03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)

03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork.....	11.46	
		For Curved Formwork, Add	4.29	
		For <1,000, Add	2.19	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork.....	21.15	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	7.95	
		For <1,000, Add	4.06	

03 15 Concrete Accessories (03 10)

03 15 13 Waterstops (03 15)

03 15 13 13 Non-Expanding Waterstops (03 15 13)

03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)

03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	6.40	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	7.25	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	8.84	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	9.77	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	15.16	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	7.32	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	9.07	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	16.65	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	12.94	

03 15 13 13-0011 Rubber Waterstops (03 15 13 13)

03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	7.24	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	8.38	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	7.78	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	10.91	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	8.81	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.48	

03 15 13 13-0018 Closed Cell Foam Waterstops (03 15 13 13)

03 15 13 13-0019	LF	Waterstop; Closed-Cell, Foamed, Cross-Linked Ethylene Vinyl Acetate, Gray, Epoxy Bonding Agent.....	17.70	
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03 15 13 16 Expanding Waterstops (03 15 13)

03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop.....	5.77	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop.....	9.00	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop.....	10.14	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop.....	11.57	

03 15 16 Concrete Construction Joints (03 15)

03 15 16 00-0001 Poured Expansion Joint (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	1.95	0.71
		For Installation In Walls, Add	1.19	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured.....	3.22	0.71
		For Installation In Walls, Add	1.34	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	2.42	0.71
		For Installation In Walls, Add	1.19	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	5.11	0.71
		For Installation In Walls, Add	1.34	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	3.32	0.71
		For Installation In Walls, Add	1.34	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	5.95	0.71
		For Installation In Walls, Add	2.17	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	2.05	0.71
		For Installation In Walls, Add	1.19	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.29	0.71
		For Installation In Walls, Add	1.19	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	4.46	0.71
		For Installation In Walls, Add	1.34	

03 15 16 00-0011 Premolded Expansion Joints (03 15 16)

03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.76	0.79
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.10	0.83
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.28	0.87
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.47	0.91
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.99	0.79

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 16 00-0018	LF 3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.27	0.83
03 15 16 00-0019	LF 3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.61	0.87
03 15 16 00-0020	LF 3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.10	0.91
03 15 16 00-0021	LF 1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.77	0.75
03 15 16 00-0022	LF 1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.95	0.79
03 15 16 00-0023	LF 1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.18	0.83
03 15 16 00-0024	LF 1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.37	0.87
03 15 16 00-0025	LF 1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.59	0.91
03 15 16 00-0026	LF 1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.94	0.95
03 15 16 00-0027	LF 1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.19	0.99
03 15 16 00-0028	LF 1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.65	1.02
03 15 16 00-0029	LF 3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.20	0.83
03 15 16 00-0030	LF 3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.60	0.87
03 15 16 00-0031	LF 3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.27	0.95
03 15 16 00-0032	SF 1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	5.97	1.30
03 15 16 00-0033	Cork, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0034	LF 1/2" x 4" Cork, Premolded Expansion Joint	3.47	0.83
03 15 16 00-0035	LF 1/2" x 6" Cork, Premolded Expansion Joint	3.92	0.91
03 15 16 00-0036	LF 1/2" x 8" Cork, Premolded Expansion Joint	4.30	0.95
03 15 16 00-0037	LF 1/2" x 10" Cork, Premolded Expansion Joint.....	6.33	0.99
03 15 16 00-0038	LF 1/2" x 12" Cork, Premolded Expansion Joint.....	6.76	1.02
03 15 16 00-0039	SF 1/2" Cork, Premolded Expansion Joint.....	7.31	1.30
03 15 16 00-0040	SF 3/4" Cork, Premolded Expansion Joint.....	8.66	1.30
03 15 16 00-0041	SF 1" Cork, Premolded Expansion Joint	9.28	1.30
03 15 16 00-0042	Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043	LF 1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.94	0.83
03 15 16 00-0044	LF 1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.03	0.87
03 15 16 00-0045	LF 1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.14	0.91
03 15 16 00-0046	LF 1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.58	0.95
03 15 16 00-0047	LF 1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	2.02	0.83
03 15 16 00-0048	LF 1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	2.11	0.87
03 15 16 00-0049	LF 1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.19	0.91
03 15 16 00-0050	LF 1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.45	0.95
03 15 16 00-0051	Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052	LF 1" Zip Strip, Premolded Expansion Joint.....	1.97	0.83
03 15 16 00-0053	LF 1-1/2" Zip Strip, Premolded Expansion Joint.....	2.19	0.87
03 15 16 00-0054	LF 2" Zip Strip, Premolded Expansion Joint.....	2.44	0.95
03 15 16 00-0055	Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056	LF 1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.49	0.79
03 15 16 00-0057	LF 1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.18	0.79
03 15 16 00-0058	Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059	SF Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.88	0.60
	>1,250, Deduct	-0.04	
03 15 16 00-0060	SF Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.84	0.60
	>1,250, Deduct	-0.04	
03 15 16 00-0061	Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062	24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF 24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	4.74	
03 15 16 00-0064	LF 24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	4.86	
03 15 16 00-0065	LF 24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	5.07	
03 15 16 00-0066	LF 24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	5.44	
03 15 16 00-0067	LF 24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	7.15	
03 15 19	Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001	Cast In Place Anchors (03 15 19)		
	Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001)		
	See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	6.57	
	For Galvanized, Add	1.05	
	For Stainless Steel, Add	7.35	
	For >10 To 50, Deduct	-0.22	
	For >50 To 100, Deduct	-0.50	
	For >100, Deduct	-1.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
03 15 19 00-0005	EA			1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 7.51		
				<i>For Galvanized, Add</i>	1.34	
				<i>For Stainless Steel, Add</i>	9.38	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.55	
				<i>For >100, Deduct</i>	-1.10	
03 15 19 00-0006	EA			1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 8.91		
				<i>For Galvanized, Add</i>	1.85	
				<i>For Stainless Steel, Add</i>	12.92	
				<i>For >10 To 50, Deduct</i>	-0.26	
				<i>For >50 To 100, Deduct</i>	-0.61	
				<i>For >100, Deduct</i>	-1.23	
03 15 19 00-0007	EA			5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 10.03		
				<i>For Galvanized, Add</i>	2.41	
				<i>For Stainless Steel, Add</i>	16.84	
				<i>For >10 To 50, Deduct</i>	-0.26	
				<i>For >50 To 100, Deduct</i>	-0.64	
				<i>For >100, Deduct</i>	-1.28	
03 15 19 00-0008	EA			5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 12.13		
				<i>For Galvanized, Add</i>	3.22	
				<i>For Stainless Steel, Add</i>	22.51	
				<i>For >10 To 50, Deduct</i>	-0.29	
				<i>For >50 To 100, Deduct</i>	-0.73	
				<i>For >100, Deduct</i>	-1.46	
03 15 19 00-0009	EA			5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 13.62		
				<i>For Galvanized, Add</i>	3.68	
				<i>For Stainless Steel, Add</i>	25.73	
				<i>For >10 To 50, Deduct</i>	-0.31	
				<i>For >50 To 100, Deduct</i>	-0.81	
				<i>For >100, Deduct</i>	-1.62	
03 15 19 00-0010				3/4" And 7/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011	EA			3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 13.56		
				<i>For Galvanized, Add</i>	3.65	
				<i>For Stainless Steel, Add</i>	25.52	
				<i>For >10 To 50, Deduct</i>	-0.31	
				<i>For >50 To 100, Deduct</i>	-0.81	
				<i>For >100, Deduct</i>	-1.62	
03 15 19 00-0012	EA			3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 15.47		
				<i>For Galvanized, Add</i>	4.25	
				<i>For Stainless Steel, Add</i>	29.75	
				<i>For >10 To 50, Deduct</i>	-0.35	
				<i>For >50 To 100, Deduct</i>	-0.91	
				<i>For >100, Deduct</i>	-1.82	
03 15 19 00-0013	EA			3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 18.73		
				<i>For Galvanized, Add</i>	5.45	
				<i>For Stainless Steel, Add</i>	38.12	
				<i>For >10 To 50, Deduct</i>	-0.39	
				<i>For >50 To 100, Deduct</i>	-1.06	
				<i>For >100, Deduct</i>	-2.11	
03 15 19 00-0014	EA			3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 22.50		
				<i>For Galvanized, Add</i>	6.86	
				<i>For Stainless Steel, Add</i>	48.02	
				<i>For >10 To 50, Deduct</i>	-0.44	
				<i>For >50 To 100, Deduct</i>	-1.22	
				<i>For >100, Deduct</i>	-2.44	
03 15 19 00-0015	EA			7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 17.81		
				<i>For Galvanized, Add</i>	4.99	
				<i>For Stainless Steel, Add</i>	34.90	
				<i>For >10 To 50, Deduct</i>	-0.39	
				<i>For >50 To 100, Deduct</i>	-1.03	
				<i>For >100, Deduct</i>	-2.07	
03 15 19 00-0016	EA			7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 20.90		
				<i>For Galvanized, Add</i>	5.97	
				<i>For Stainless Steel, Add</i>	41.79	
				<i>For >10 To 50, Deduct</i>	-0.45	
				<i>For >50 To 100, Deduct</i>	-1.19	
				<i>For >100, Deduct</i>	-2.39	
03 15 19 00-0017	EA			7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 26.36		
				<i>For Galvanized, Add</i>	7.96	
				<i>For Stainless Steel, Add</i>	55.69	
				<i>For >10 To 50, Deduct</i>	-0.52	
				<i>For >50 To 100, Deduct</i>	-1.44	
				<i>For >100, Deduct</i>	-2.89	
03 15 19 00-0018				1" And 1-1/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019	EA			1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 21.86		
				<i>For Galvanized, Add</i>	6.45	
				<i>For Stainless Steel, Add</i>	45.15	
				<i>For >10 To 50, Deduct</i>	-0.45	
				<i>For >50 To 100, Deduct</i>	-1.22	
				<i>For >100, Deduct</i>	-2.44	
03 15 19 00-0020	EA			1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt 25.97		
				<i>For Galvanized, Add</i>	7.76	
				<i>For Stainless Steel, Add</i>	54.32	
				<i>For >10 To 50, Deduct</i>	-0.52	
				<i>For >50 To 100, Deduct</i>	-1.43	
				<i>For >100, Deduct</i>	-2.87	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt31.99		
			<i>For Galvanized, Add</i>	9.73	
			<i>For Stainless Steel, Add</i>	68.08	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.74	
			<i>For >100, Deduct</i>	-3.48	
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....39.44		
			<i>For Galvanized, Add</i>	11.89	
			<i>For Stainless Steel, Add</i>	83.20	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-2.16	
			<i>For >100, Deduct</i>	-4.32	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....25.95		
			<i>For Galvanized, Add</i>	8.06	
			<i>For Stainless Steel, Add</i>	56.42	
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.77	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....30.87		
			<i>For Galvanized, Add</i>	9.70	
			<i>For Stainless Steel, Add</i>	67.90	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.63	
			<i>For >100, Deduct</i>	-3.26	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....38.08		
			<i>For Galvanized, Add</i>	12.16	
			<i>For Stainless Steel, Add</i>	85.12	
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-1.98	
			<i>For >100, Deduct</i>	-3.97	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....46.92		
			<i>For Galvanized, Add</i>	14.86	
			<i>For Stainless Steel, Add</i>	103.99	
			<i>For >10 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.46	
			<i>For >100, Deduct</i>	-4.93	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter (03 15 19 00-0002) .....31.04		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....31.04		
			<i>For Galvanized, Add</i>	10.08	
			<i>For Stainless Steel, Add</i>	70.53	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.19	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....36.96		
			<i>For Galvanized, Add</i>	12.13	
			<i>For Stainless Steel, Add</i>	84.91	
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100, Deduct</i>	-3.75	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....45.66		
			<i>For Galvanized, Add</i>	15.21	
			<i>For Stainless Steel, Add</i>	106.44	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-2.29	
			<i>For >100, Deduct</i>	-4.57	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....56.20		
			<i>For Galvanized, Add</i>	18.57	
			<i>For Stainless Steel, Add</i>	129.99	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.83	
			<i>For >100, Deduct</i>	-5.67	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....37.40		
			<i>For Galvanized, Add</i>	12.60	
			<i>For Stainless Steel, Add</i>	88.17	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.70	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....44.57		
			<i>For Galvanized, Add</i>	15.16	
			<i>For Stainless Steel, Add</i>	106.12	
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100, Deduct</i>	-4.37	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....55.12		
			<i>For Galvanized, Add</i>	19.01	
			<i>For Stainless Steel, Add</i>	133.07	
			<i>For >10 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100, Deduct</i>	-5.32	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....67.79		
			<i>For Galvanized, Add</i>	23.21	
			<i>For Stainless Steel, Add</i>	162.47	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-3.30	
			<i>For >100, Deduct</i>	-6.60	

03 15 19 00-0036 L-Type Anchor Bolts (03 15 19 00-0001)
 See CSI section 03 11 13 00-0002 for template.

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

03 15 19 00-0037		3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.55	
		<i>For Galvanized, Add</i>	2.79	
		<i>For Stainless Steel, Add</i>	19.53	
		<i>For >10 To 50, Deduct</i>	-0.35	
		<i>For >50 To 100, Deduct</i>	-0.84	
		<i>For >100, Deduct</i>	-1.67	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.73	
		<i>For Galvanized, Add</i>	3.45	
		<i>For Stainless Steel, Add</i>	24.12	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-0.96	
		<i>For >100, Deduct</i>	-1.91	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.86	
		<i>For Galvanized, Add</i>	3.95	
		<i>For Stainless Steel, Add</i>	27.65	
		<i>For >10 To 50, Deduct</i>	-0.45	
		<i>For >50 To 100, Deduct</i>	-1.09	
		<i>For >100, Deduct</i>	-2.19	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.65	
		<i>For Galvanized, Add</i>	4.10	
		<i>For Stainless Steel, Add</i>	28.70	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.25	
		<i>For >100, Deduct</i>	-2.50	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.15	
		<i>For Galvanized, Add</i>	4.31	
		<i>For Stainless Steel, Add</i>	30.14	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.47	
		<i>For >100, Deduct</i>	-2.94	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.75	
		<i>For Galvanized, Add</i>	3.46	
		<i>For Stainless Steel, Add</i>	24.19	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-0.96	
		<i>For >100, Deduct</i>	-1.91	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.01	
		<i>For Galvanized, Add</i>	4.03	
		<i>For Stainless Steel, Add</i>	28.18	
		<i>For >10 To 50, Deduct</i>	-0.45	
		<i>For >50 To 100, Deduct</i>	-1.10	
		<i>For >100, Deduct</i>	-2.19	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.69	
		<i>For Galvanized, Add</i>	4.62	
		<i>For Stainless Steel, Add</i>	32.34	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.28	
		<i>For >100, Deduct</i>	-2.55	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.13	
		<i>For Galvanized, Add</i>	4.80	
		<i>For Stainless Steel, Add</i>	33.57	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.49	
		<i>For >100, Deduct</i>	-2.99	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.74	
		<i>For Galvanized, Add</i>	5.04	
		<i>For Stainless Steel, Add</i>	35.25	
		<i>For >10 To 50, Deduct</i>	-0.78	
		<i>For >50 To 100, Deduct</i>	-1.82	
		<i>For >100, Deduct</i>	-3.64	
03 15 19 00-0048		1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.83	
		<i>For Galvanized, Add</i>	4.44	
		<i>For Stainless Steel, Add</i>	31.05	
		<i>For >10 To 50, Deduct</i>	-0.45	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100, Deduct</i>	-2.24	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.42	
		<i>For Galvanized, Add</i>	4.99	
		<i>For Stainless Steel, Add</i>	34.90	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.29	
		<i>For >100, Deduct</i>	-2.59	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.69	
		<i>For Galvanized, Add</i>	5.58	
		<i>For Stainless Steel, Add</i>	39.03	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.53	
		<i>For >100, Deduct</i>	-3.07	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.31	
		<i>For Galvanized, Add</i>	5.84	
		<i>For Stainless Steel, Add</i>	40.88	
		<i>For >10 To 50, Deduct</i>	-0.68	
		<i>For >50 To 100, Deduct</i>	-1.66	
		<i>For >100, Deduct</i>	-3.31	

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MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.90	
		<i>For Galvanized, Add</i>	6.12	
		<i>For Stainless Steel, Add</i>	42.81	
		<i>For >10 To 50, Deduct</i>	-0.78	
		<i>For >50 To 100, Deduct</i>	-1.87	
		<i>For >100, Deduct</i>	-3.75	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.58	
		<i>For Galvanized, Add</i>	7.09	
		<i>For Stainless Steel, Add</i>	49.60	
		<i>For >10 To 50, Deduct</i>	-0.87	
		<i>For >50 To 100, Deduct</i>	-2.10	
		<i>For >100, Deduct</i>	-4.19	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	37.47	
		<i>For Galvanized, Add</i>	8.29	
		<i>For Stainless Steel, Add</i>	58.03	
		<i>For >10 To 50, Deduct</i>	-1.04	
		<i>For >50 To 100, Deduct</i>	-2.50	
		<i>For >100, Deduct</i>	-5.01	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.11	
		<i>For Galvanized, Add</i>	5.83	
		<i>For Stainless Steel, Add</i>	40.81	
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.34	
		<i>For >100, Deduct</i>	-2.67	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	25.59	
		<i>For Galvanized, Add</i>	6.53	
		<i>For Stainless Steel, Add</i>	45.68	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.58	
		<i>For >100, Deduct</i>	-3.16	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.29	
		<i>For Galvanized, Add</i>	6.83	
		<i>For Stainless Steel, Add</i>	47.81	
		<i>For >10 To 50, Deduct</i>	-0.68	
		<i>For >50 To 100, Deduct</i>	-1.70	
		<i>For >100, Deduct</i>	-3.41	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter (03 15 19 00-0036)

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.64	
		<i>For Galvanized, Add</i>	7.05	
		<i>For Stainless Steel, Add</i>	49.35	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.61	
		<i>For >100, Deduct</i>	-3.21	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.17	
		<i>For Galvanized, Add</i>	8.25	
		<i>For Stainless Steel, Add</i>	57.75	
		<i>For >10 To 50, Deduct</i>	-0.78	
		<i>For >50 To 100, Deduct</i>	-1.98	
		<i>For >100, Deduct</i>	-3.96	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.19	
		<i>For Galvanized, Add</i>	9.35	
		<i>For Stainless Steel, Add</i>	65.42	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-2.12	
		<i>For >100, Deduct</i>	-4.23	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.52	
		<i>For Galvanized, Add</i>	10.56	
		<i>For Stainless Steel, Add</i>	73.89	
		<i>For >10 To 50, Deduct</i>	-0.87	
		<i>For >50 To 100, Deduct</i>	-2.27	
		<i>For >100, Deduct</i>	-4.54	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.55	
		<i>For Galvanized, Add</i>	11.48	
		<i>For Stainless Steel, Add</i>	80.36	
		<i>For >10 To 50, Deduct</i>	-0.98	
		<i>For >50 To 100, Deduct</i>	-2.53	
		<i>For >100, Deduct</i>	-5.07	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.97	
		<i>For Galvanized, Add</i>	12.29	
		<i>For Stainless Steel, Add</i>	86.03	
		<i>For >10 To 50, Deduct</i>	-1.12	
		<i>For >50 To 100, Deduct</i>	-2.85	
		<i>For >100, Deduct</i>	-5.71	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.43	
		<i>For Galvanized, Add</i>	13.16	
		<i>For Stainless Steel, Add</i>	92.09	
		<i>For >10 To 50, Deduct</i>	-1.31	
		<i>For >50 To 100, Deduct</i>	-3.27	
		<i>For >100, Deduct</i>	-6.54	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.45	
		<i>For Galvanized, Add</i>	14.55	
		<i>For Stainless Steel, Add</i>	101.85	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.86	
		<i>For >100, Deduct</i>	-7.73	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
03 15 19 00-0068	EA			1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.17	
				For Galvanized, Add	8.82	
				For Stainless Steel, Add	61.71	
				For >10 To 50, Deduct	-0.63	
				For >50 To 100, Deduct	-1.69	
				For >100, Deduct	-3.39	
03 15 19 00-0069	EA			1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	36.30	
				For Galvanized, Add	10.32	
				For Stainless Steel, Add	72.21	
				For >10 To 50, Deduct	-0.78	
				For >50 To 100, Deduct	-2.08	
				For >100, Deduct	-4.17	
03 15 19 00-0070	EA			1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.86	
				For Galvanized, Add	11.68	
				For Stainless Steel, Add	81.76	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-2.23	
				For >100, Deduct	-4.47	
03 15 19 00-0071	EA			1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.79	
				For Galvanized, Add	13.19	
				For Stainless Steel, Add	92.33	
				For >10 To 50, Deduct	-0.87	
				For >50 To 100, Deduct	-2.40	
				For >100, Deduct	-4.80	
03 15 19 00-0072	EA			1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.29	
				For Galvanized, Add	14.35	
				For Stainless Steel, Add	100.45	
				For >10 To 50, Deduct	-0.98	
				For >50 To 100, Deduct	-2.68	
				For >100, Deduct	-5.35	
03 15 19 00-0073	EA			1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	53.13	
				For Galvanized, Add	15.37	
				For Stainless Steel, Add	107.59	
				For >10 To 50, Deduct	-1.12	
				For >50 To 100, Deduct	-3.01	
				For >100, Deduct	-6.02	
03 15 19 00-0074	EA			1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	59.28	
				For Galvanized, Add	16.58	
				For Stainless Steel, Add	116.06	
				For >10 To 50, Deduct	-1.31	
				For >50 To 100, Deduct	-3.44	
				For >100, Deduct	-6.88	
03 15 19 00-0075	EA			1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	67.73	
				For Galvanized, Add	18.19	
				For Stainless Steel, Add	127.33	
				For >10 To 50, Deduct	-1.57	
				For >50 To 100, Deduct	-4.04	
				For >100, Deduct	-8.09	
03 15 19 00-0076				1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)	38.69	
03 15 19 00-0077	EA			1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	12.22	
				For Galvanized, Add	85.54	
				For Stainless Steel, Add	-0.71	
				For >10 To 50, Deduct	-2.04	
				For >50 To 100, Deduct	-4.07	
03 15 19 00-0078	EA			1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.13	
				For Galvanized, Add	12.82	
				For Stainless Steel, Add	89.71	
				For >10 To 50, Deduct	-0.83	
				For >50 To 100, Deduct	-2.29	
				For >100, Deduct	-4.58	
03 15 19 00-0079	EA			1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	46.64	
				For Galvanized, Add	14.10	
				For Stainless Steel, Add	98.70	
				For >10 To 50, Deduct	-0.92	
				For >50 To 100, Deduct	-2.55	
				For >100, Deduct	-5.10	
03 15 19 00-0080	EA			1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	50.40	
				For Galvanized, Add	15.41	
				For Stainless Steel, Add	107.84	
				For >10 To 50, Deduct	-0.98	
				For >50 To 100, Deduct	-2.73	
				For >100, Deduct	-5.46	
03 15 19 00-0081	EA			1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.31	
				For Galvanized, Add	16.71	
				For Stainless Steel, Add	116.97	
				For >10 To 50, Deduct	-1.04	
				For >50 To 100, Deduct	-2.92	
				For >100, Deduct	-5.85	
03 15 19 00-0082	EA			1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.06	
				For Galvanized, Add	17.97	
				For Stainless Steel, Add	125.79	
				For >10 To 50, Deduct	-1.21	
				For >50 To 100, Deduct	-3.31	
				For >100, Deduct	-6.62	

03 Concrete
03 10 Concrete Forming and Accessories
03 15 Concrete Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	67.38	
	For Galvanized, Add	19.44	
	For Stainless Steel, Add	136.08	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.82	
	For >100, Deduct	-7.64	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	77.95	
	For Galvanized, Add	21.56	
	For Stainless Steel, Add	150.92	
	For >10 To 50, Deduct	-1.74	
	For >50 To 100, Deduct	-4.56	
	For >100, Deduct	-9.12	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.44	
	For Galvanized, Add	18.39	
	For Stainless Steel, Add	128.70	
	For >10 To 50, Deduct	-0.78	
	For >50 To 100, Deduct	-2.49	
	For >100, Deduct	-4.97	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.98	
	For Galvanized, Add	18.79	
	For Stainless Steel, Add	131.50	
	For >10 To 50, Deduct	-0.87	
	For >50 To 100, Deduct	-2.68	
	For >100, Deduct	-5.36	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.61	
	For Galvanized, Add	19.09	
	For Stainless Steel, Add	133.60	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-2.80	
	For >100, Deduct	-5.60	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.68	
	For Galvanized, Add	22.05	
	For Stainless Steel, Add	154.32	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-3.06	
	For >100, Deduct	-6.12	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.29	
	For Galvanized, Add	25.45	
	For Stainless Steel, Add	178.15	
	For >10 To 50, Deduct	-1.12	
	For >50 To 100, Deduct	-3.51	
	For >100, Deduct	-7.02	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	77.69	
	For Galvanized, Add	25.79	
	For Stainless Steel, Add	180.50	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-3.90	
	For >100, Deduct	-7.80	
03 15 19 00-0091	EA 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.04	
	For Galvanized, Add	27.85	
	For Stainless Steel, Add	194.92	
	For >10 To 50, Deduct	-1.57	
	For >50 To 100, Deduct	-4.53	
	For >100, Deduct	-9.05	
03 15 19 00-0092	EA 1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	99.16	
	For Galvanized, Add	29.99	
	For Stainless Steel, Add	209.93	
	For >10 To 50, Deduct	-1.96	
	For >50 To 100, Deduct	-5.42	
	For >100, Deduct	-10.84	
03 15 19 00-0093	EA 2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.41	
	For Galvanized, Add	27.99	
	For Stainless Steel, Add	195.90	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-3.24	
	For >100, Deduct	-6.49	
03 15 19 00-0094	EA 2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	81.40	
	For Galvanized, Add	30.26	
	For Stainless Steel, Add	211.79	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-3.60	
	For >100, Deduct	-7.20	
03 15 19 00-0095	EA 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	90.08	
	For Galvanized, Add	32.98	
	For Stainless Steel, Add	230.86	
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-4.06	
	For >100, Deduct	-8.12	
03 15 19 00-0096	EA 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	98.35	
	For Galvanized, Add	34.93	
	For Stainless Steel, Add	244.48	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-4.60	
	For >100, Deduct	-9.19	
03 15 19 00-0097	EA 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	106.41	
	For Galvanized, Add	37.53	
	For Stainless Steel, Add	262.71	
	For >10 To 50, Deduct	-1.57	
	For >50 To 100, Deduct	-5.01	
	For >100, Deduct	-10.02	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0098	EA	2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	114.98	
				For Galvanized, Add	40.08	
				For Stainless Steel, Add	280.53	
				For >10 To 50, Deduct	-1.74	
				For >50 To 100, Deduct	-5.49	
				For >100, Deduct	-10.97	
03 15 19 00-0099	EA	2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	130.86	
				For Galvanized, Add	43.04	
				For Stainless Steel, Add	301.28	
				For >10 To 50, Deduct	-2.24	
				For >50 To 100, Deduct	-6.63	
				For >100, Deduct	-13.26	
03 15 19 00-0100	EA	2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	139.41	
				For Galvanized, Add	47.32	
				For Stainless Steel, Add	331.21	
				For >10 To 50, Deduct	-2.24	
				For >50 To 100, Deduct	-6.84	
				For >100, Deduct	-13.69	
03 15 19 00-0101	EA	2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	157.43	
				For Galvanized, Add	52.60	
				For Stainless Steel, Add	368.17	
				For >10 To 50, Deduct	-2.61	
				For >50 To 100, Deduct	-7.85	
				For >100, Deduct	-15.71	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)

03 15 19 00-0103	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	142.80	
				For Galvanized, Add	62.18	
				For Stainless Steel, Add	435.26	
				For >10 To 50, Deduct	-0.92	
				For >50 To 100, Deduct	-4.95	
				For >100, Deduct	-9.91	
03 15 19 00-0104	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	150.88	
				For Galvanized, Add	65.00	
				For Stainless Steel, Add	454.97	
				For >10 To 50, Deduct	-1.04	
				For >50 To 100, Deduct	-5.34	
				For >100, Deduct	-10.68	
03 15 19 00-0105	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	165.09	
				For Galvanized, Add	70.49	
				For Stainless Steel, Add	493.40	
				For >10 To 50, Deduct	-1.21	
				For >50 To 100, Deduct	-5.94	
				For >100, Deduct	-11.87	
03 15 19 00-0106	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	177.06	
				For Galvanized, Add	74.28	
				For Stainless Steel, Add	519.96	
				For >10 To 50, Deduct	-1.43	
				For >50 To 100, Deduct	-6.56	
				For >100, Deduct	-13.13	
03 15 19 00-0107	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	187.87	
				For Galvanized, Add	78.26	
				For Stainless Steel, Add	547.82	
				For >10 To 50, Deduct	-1.57	
				For >50 To 100, Deduct	-7.05	
				For >100, Deduct	-14.10	
03 15 19 00-0108	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	200.27	
				For Galvanized, Add	82.72	
				For Stainless Steel, Add	579.04	
				For >10 To 50, Deduct	-1.74	
				For >50 To 100, Deduct	-7.62	
				For >100, Deduct	-15.24	
03 15 19 00-0109	EA	2-1/2"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	219.35	
				For Galvanized, Add	87.29	
				For Stainless Steel, Add	611.00	
				For >10 To 50, Deduct	-2.24	
				For >50 To 100, Deduct	-8.84	
				For >100, Deduct	-17.68	
03 15 19 00-0110	EA	2-3/4"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	160.37	
				For Galvanized, Add	70.39	
				For Stainless Steel, Add	492.73	
				For >10 To 50, Deduct	-0.98	
				For >50 To 100, Deduct	-5.48	
				For >100, Deduct	-10.96	
03 15 19 00-0111	EA	2-3/4"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	172.98	
				For Galvanized, Add	75.30	
				For Stainless Steel, Add	527.07	
				For >10 To 50, Deduct	-1.12	
				For >50 To 100, Deduct	-6.00	
				For >100, Deduct	-12.01	
03 15 19 00-0112	EA	2-3/4"	Length,	Plain Steel, L-Type Cast In Place Anchor Bolt	186.62	
				For Galvanized, Add	80.25	
				For Stainless Steel, Add	561.75	
				For >10 To 50, Deduct	-1.31	
				For >50 To 100, Deduct	-6.62	
				For >100, Deduct	-13.25	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	200.77	
		<i>For Galvanized, Add</i>	84.71	
		<i>For Stainless Steel, Add</i>	592.97	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-7.37	
		<i>For >100, Deduct</i>	-14.74	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	214.00	
		<i>For Galvanized, Add</i>	89.59	
		<i>For Stainless Steel, Add</i>	627.10	
		<i>For >10 To 50, Deduct</i>	-1.74	
		<i>For >50 To 100, Deduct</i>	-7.96	
		<i>For >100, Deduct</i>	-15.92	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	232.19	
		<i>For Galvanized, Add</i>	96.51	
		<i>For Stainless Steel, Add</i>	675.54	
		<i>For >10 To 50, Deduct</i>	-1.96	
		<i>For >50 To 100, Deduct</i>	-8.74	
		<i>For >100, Deduct</i>	-17.49	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	255.86	
		<i>For Galvanized, Add</i>	101.81	
		<i>For Stainless Steel, Add</i>	712.67	
		<i>For >10 To 50, Deduct</i>	-2.61	
		<i>For >50 To 100, Deduct</i>	-10.31	
		<i>For >100, Deduct</i>	-20.63	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.51	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.86	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.27	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.77	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.52	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.88	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.30	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.81	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.53	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.90	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.34	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.87	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.41	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.00	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.69	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.50	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.36	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.41	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.64	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.93	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.50	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.11	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.83	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.68	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.57	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.72	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.20	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.54	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.92	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.38	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.92	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.48	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.08	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.80	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.63	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.52	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.65	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.06	

03 21 11 00-0040 Columns, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.53	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.91	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.34	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	1.86	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.54	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	0.93	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	1.37	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar.....	1.90	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.55	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar.....	0.95	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar.....	1.41	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar.....	1.96	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar.....	2.53	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar.....	3.14	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar.....	3.84	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar.....	4.68	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar.....	5.56	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar.....	7.68	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar.....	13.06	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar.....	2.02	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar.....	2.62	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar.....	3.25	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar.....	3.98	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar.....	4.86	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar.....	5.77	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar.....	7.99	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar.....	13.62	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.56	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.97	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.45	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.01	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.60	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.22	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.95	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.81	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.72	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.92	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	13.48	

03 21 11 00-0079

Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar.....	0.47	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar.....	0.79	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar.....	1.17	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar.....	1.63	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar.....	0.48	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar.....	0.81	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar.....	1.20	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar.....	1.67	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar.....	0.49	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar.....	0.83	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar.....	1.24	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar.....	1.73	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar.....	2.24	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar.....	2.80	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar.....	3.45	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar.....	4.22	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar.....	5.05	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar.....	7.00	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar.....	12.00	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar.....	1.79	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar.....	2.33	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar.....	2.91	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar.....	3.59	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar.....	4.40	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar.....	5.26	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar.....	7.31	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar.....	12.56	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.50	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.85	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.28	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.78	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.31	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.88	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.56	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.35	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	5.21	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	7.24	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	12.42	

03 21 11 00-0118

Slab On Grade, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.45	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.76	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.13	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.57	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.46	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.78	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.16	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.61	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.47	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.80	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.20	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.67	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.19	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.73	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.37	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.13	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.95	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.87	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.79	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.73	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.28	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.84	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.51	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.31	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.16	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.18	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.35	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.48	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.82	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.24	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.72	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.26	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.81	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.48	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.26	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.11	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.11	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.21	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.42	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.71	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.06	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.48	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.43	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.73	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.09	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.52	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.44	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.75	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.13	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.58	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.07	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.60	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.22	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.95	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.74	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.60	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.37	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.64	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.16	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.71	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.36	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.13	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.95	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.91	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.93	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.45	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.77	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.17	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.63	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.14	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.68	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.33	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.08	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.90	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.84	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.79	

03 21 11 00-0196 Walls, Steel Reinforcement Bar (0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.40	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	0.69	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.03	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	1.43	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.41	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	0.71	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.06	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	1.47	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.42	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	0.73	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.10	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	1.53	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	2.00	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	2.53	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	3.14	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	3.86	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	4.64	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	6.47	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	11.17	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	1.59	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	2.09	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	2.64	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	3.28	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	4.04	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	4.85	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	6.78	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	11.73	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.43	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.75	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.14	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.58	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.07	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.61	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.25	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.99	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.80	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.71	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.59	

03 21 11 00-0235		Mechanical Joint Connection <small>(03 21 11)</small>		
03 21 11 00-0236		Thermal Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	168.82	

03 21 11 00-0238		Screwed Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	92.37	

03 21 11 00-0240		Deformed Straight Dowels <small>(03 21 11)</small>		
		Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.		
03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	2.11	
		For Up To 12" Length, Deduct	-0.29	
		For >12" To <24" Length, Deduct	-0.15	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	2.54	
		For Up To 12" Length, Deduct	-0.38	
		For >12" To <24" Length, Deduct	-0.19	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	3.17	
		For Up To 12" Length, Deduct	-0.60	
		For >12" To <24" Length, Deduct	-0.30	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	3.92	
		For Up To 12" Length, Deduct	-0.87	
		For >12" To <24" Length, Deduct	-0.43	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	4.74	
		For Up To 12" Length, Deduct	-1.21	
		For >12" To <24" Length, Deduct	-0.61	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	5.98	
		For Up To 12" Length, Deduct	-1.55	
		For >12" To <24" Length, Deduct	-0.78	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	7.09	
		For Up To 12" Length, Deduct	-1.91	
		For >12" To <24" Length, Deduct	-0.96	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	8.77	
		For Up To 12" Length, Deduct	-2.50	
		For >12" To <24" Length, Deduct	-1.25	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	10.48	
		For Up To 12" Length, Deduct	-3.09	
		For >12" To <24" Length, Deduct	-1.54	

03 21 11 00-0250		Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,924.96	
		For Grade 75, Add	198.74	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,894.36	
		For Grade 75, Add	198.74	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,894.36	
		For Grade 75, Add	198.74	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,832.84	
		For Grade 75, Add	198.74	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,781.22	
		For Grade 75, Add	198.74	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,795.34	
		For Grade 75, Add	203.63	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,752.13	
		For Grade 75, Add	203.63	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0258		Accessories For Reinforcing Steel (03 21 11)	
03 21 11 00-0259		Reinforcing Steel Lap-Weld Splice (03 21 11 00-0258)	
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice.....	44.74
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice.....	71.16
03 21 11 00-0262		Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)	
03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	24.34
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	36.89
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	54.70

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001		Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)	
		Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.61
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.04
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.57
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.19
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.62
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.06
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.60
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.23
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.64
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.09
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.64
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.29
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.99
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.75
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.65
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.71
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.85
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	9.56
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	16.46
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.35
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.07
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.86
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.79
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.89
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	7.07
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	9.88
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	17.02

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	0.63
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.09
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.64
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	2.28
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	0.64
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.11
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.67
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	2.32
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	0.66
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.14
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.71
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	2.38
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.11
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.89
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.80
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.89
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	7.05
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	9.83
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	16.88
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	2.44
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.19
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.00
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.94
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.07
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	7.27
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	10.15
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	17.44

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.57
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.97
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.47
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	2.05
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	0.58

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.99	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.50	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.09	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.02	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.54	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.15	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.82	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.55	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.41	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.43	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.54	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.15	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	15.82	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.21	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.90	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.66	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.55	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.61	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.76	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.47	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	16.38	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.99	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.46	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.03	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.58	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.99	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.50	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.09	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.77	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.48	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.33	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.34	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.44	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.02	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.61	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.15	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.85	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.59	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.47	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.52	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.66	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.34	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.17	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.89	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.36	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.39	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.94	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.00	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.65	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.35	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.18	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.16	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.23	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.75	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.19	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.06	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.73	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.46	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.32	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.34	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.45	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.07	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.75	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 13 00-0141		Walls, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>	
Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.50
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.87
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.33
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.85
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.51
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.89
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.36
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.89
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.53
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.92
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.40
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.95
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.58
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.28
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.10
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.07
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.13
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.62
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	14.99
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.01
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.66
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.39
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.24
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.25
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.35
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.94
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.55

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001		Beams And Girders, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small>	
Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.60
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.02
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.53
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.14
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.61
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.04
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.56
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.18
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.63
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.07
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.61
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.25
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.93
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.67
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.54
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.58
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.69
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.33
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.05
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.31
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.01
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.78
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.68
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.76
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.91
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.64
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.61

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.62
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.07
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.60
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.23
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.63
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.09
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.63
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.27
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.65
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.12
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.68
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.34
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.05
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.81
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.69
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.76
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.89
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.60
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	16.47

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.40	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.13	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.92	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.83	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.94	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	7.11	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.91	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.03	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.43	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.00	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.46	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.00	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.51	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.11	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.76	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.47	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.30	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.30	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.38	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.92	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	15.41	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.17	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.84	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.58	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.44	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.48	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.60	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.23	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	15.97	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.39	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.55	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.94	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.42	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.98	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.57	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.47	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.05	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.71	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.40	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.22	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.21	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.28	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.79	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.20	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.11	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.79	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.51	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.36	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.39	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.50	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.10	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.76	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.87	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.85	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.52	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.89	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.35	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.89	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.54	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.92	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.40	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.96	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.59	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.27	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.07	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.03	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.07	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.52	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	14.78	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.02	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.67	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.38	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.21	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.21	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.29	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.83	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	15.34	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.49	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.85	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.29	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.80	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.50	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.87	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.32	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.84	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.52	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.90	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.37	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.91	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.52	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.20	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.99	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.94	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.97	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.39	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	14.58	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.97	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.60	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.31	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.13	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.12	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.19	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.70	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.14	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.51	
		<i>For Up To 12" Length, Deduct</i>	-0.40	
		<i>For >12" To <24" Length, Deduct</i>	-0.20	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.11	
		<i>For Up To 12" Length, Deduct</i>	-0.61	
		<i>For >12" To <24" Length, Deduct</i>	-0.31	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.95	
		<i>For Up To 12" Length, Deduct</i>	-0.92	
		<i>For >12" To <24" Length, Deduct</i>	-0.46	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.79	
		<i>For Up To 12" Length, Deduct</i>	-1.22	
		<i>For >12" To <24" Length, Deduct</i>	-0.61	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.05	
		<i>For Up To 12" Length, Deduct</i>	-1.66	
		<i>For >12" To <24" Length, Deduct</i>	-0.83	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.20	
		<i>For Up To 12" Length, Deduct</i>	-2.04	
		<i>For >12" To <24" Length, Deduct</i>	-1.02	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.59	
		<i>For Up To 12" Length, Deduct</i>	-2.47	
		<i>For >12" To <24" Length, Deduct</i>	-1.23	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.34	
		<i>For Up To 12" Length, Deduct</i>	-2.99	
		<i>For >12" To <24" Length, Deduct</i>	-1.49	

03 22 Fabric and Grid Reinforcing (03 20)

03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.66	
		<i>For >5 Ton, Deduct</i>	-0.10	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.76
		<i>For >5 Ton, Deduct</i>	-0.11
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.87
		<i>For >5 Ton, Deduct</i>	-0.12
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.05
		<i>For >5 Ton, Deduct</i>	-0.14
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.80
		<i>For >5 Ton, Deduct</i>	-0.12
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.91
		<i>For >5 Ton, Deduct</i>	-0.13
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.18
		<i>For >5 Ton, Deduct</i>	-0.16
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.39
		<i>For >5 Ton, Deduct</i>	-0.18
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.32
		<i>For >5 Ton, Deduct</i>	-0.17

03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)
 Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.75
		<i>For >5 Ton, Deduct</i>	-0.11
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.87
		<i>For >5 Ton, Deduct</i>	-0.12
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.01
		<i>For >5 Ton, Deduct</i>	-0.14
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.24
		<i>For >5 Ton, Deduct</i>	-0.16
03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.93
		<i>For >5 Ton, Deduct</i>	-0.13
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.06
		<i>For >5 Ton, Deduct</i>	-0.14
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.42
		<i>For >5 Ton, Deduct</i>	-0.18
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.70
		<i>For >5 Ton, Deduct</i>	-0.21

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.54
		<i>For >5 Ton, Deduct</i>	-0.39

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)
 Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.74
		<i>For >5 Ton, Deduct</i>	-0.10
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.85
		<i>For >5 Ton, Deduct</i>	-0.12
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.99
		<i>For >5 Ton, Deduct</i>	-0.14
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.22
		<i>For >5 Ton, Deduct</i>	-0.16
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.91
		<i>For >5 Ton, Deduct</i>	-0.13
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.04
		<i>For >5 Ton, Deduct</i>	-0.14
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.39
		<i>For >5 Ton, Deduct</i>	-0.18
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.66
		<i>For >5 Ton, Deduct</i>	-0.21

03 30 Cast-In-Place Concrete (03)

03 30 53 Miscellaneous Cast-in-Place Concrete (03 30)

03 30 53 00-0001	Place Concrete Thrust Blocks And Backfill (03 30 53)
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03 Concrete**03 30 Cast-In-Place Concrete****03 30 53 Miscellaneous Cast-in-Place Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	239.99	
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	25.34	
		For >20 To 50, Add	9.50	
		For >100 To 200, Deduct	-4.80	
		For >200 To 400, Deduct	-9.60	
		For >400, Deduct	-14.40	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	

03 30 53 00-0003 Hand Mix And Place Concrete (03 30 53)

03 30 53 00-0004	CF	Hand Mix And Place Concrete	26.72	
		Note: For use where conventional equipment access is limited or when directed by the owner.		
		For 2,000 PSI Concrete, Deduct	-0.26	
		For 2,500 PSI Concrete, Deduct	-0.13	
		For 3,500 PSI Concrete, Add	0.13	
		For 3,750 PSI Concrete, Add	0.19	
		For 4,000 PSI Concrete, Add	0.26	
		For 4,500 PSI Concrete, Add	0.39	
		For 5,000 PSI Concrete, Add	0.51	
		For 6,000 PSI Concrete, Add	0.64	
		For 7,500 PSI Concrete, Add	1.03	
		For White Cement Concrete, Add	0.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.98	
		For High Early Strength, Type 3 ASTM C150, Add	0.76	
		For Lightweight Aggregate, ASTM C330, Add	2.27	
		For DOT Class D, Add	3.25	
		For DOT Class E, Add	2.83	
		For DOT Class F, Add	3.28	
		For DOT Class G, Add	3.15	

03 31 Structural Concrete (03 30)**03 31 13 Heavyweight Structural Concrete (03 31)**

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)**03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)**

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.50	
		For 2,000 PSI Concrete, Deduct	-0.07	
		For 2,500 PSI Concrete, Deduct	-0.04	
		For 3,500 PSI Concrete, Add	0.04	
		For 4,000 PSI Concrete, Add	0.07	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	2.78	
		For >500 To 1,000, Add	1.93	
		For >1,000 To 2,000, Add	1.07	
		For >2,000 To 5,000, Add	0.54	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000 To 35,000, Deduct	-0.40	
		For >35,000 To 50,000, Deduct	-0.59	
		For >50,000 To 70,000, Deduct	-0.78	
		For >70,000, Deduct	-0.96	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST

03 31 13 00-0004	SF	5"	3,000 PSI Slab On Grade Concrete Slabs Assembly		8.22	
				For 2,000 PSI Concrete, Deduct	-0.08	
				For 2,500 PSI Concrete, Deduct	-0.04	
				For 3,500 PSI Concrete, Add	0.04	
				For 4,000 PSI Concrete, Add	0.08	
				For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
				For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
				For Up To 500, Add	2.98	
				For >500 To 1,000, Add	2.07	
				For >1,000 To 2,000, Add	1.16	
				For >2,000 To 5,000, Add	0.58	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000 To 35,000, Deduct	-0.45	
				For >35,000 To 50,000, Deduct	-0.65	
				For >50,000 To 70,000, Deduct	-0.86	
				For >70,000, Deduct	-1.07	
03 31 13 00-0005	SF	6"	3,000 PSI Slab On Grade Concrete Slabs Assembly		9.27	
				For 2,000 PSI Concrete, Deduct	-0.10	
				For 2,500 PSI Concrete, Deduct	-0.05	
				For 3,500 PSI Concrete, Add	0.05	
				For 4,000 PSI Concrete, Add	0.10	
				For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
				For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
				For Up To 500, Add	3.29	
				For >500 To 1,000, Add	2.29	
				For >1,000 To 2,000, Add	1.29	
				For >2,000 To 5,000, Add	0.64	
				For >10,000 To 20,000, Deduct	-0.28	
				For >20,000 To 35,000, Deduct	-0.52	
				For >35,000 To 50,000, Deduct	-0.75	
				For >50,000 To 70,000, Deduct	-0.98	
				For >70,000, Deduct	-1.21	
03 31 13 00-0006	SF	7"	3,000 PSI Slab On Grade Concrete Slabs Assembly		10.28	
				For 2,000 PSI Concrete, Deduct	-0.11	
				For 2,500 PSI Concrete, Deduct	-0.06	
				For 3,500 PSI Concrete, Add	0.06	
				For 4,000 PSI Concrete, Add	0.11	
				For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
				For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
				For Up To 500, Add	3.55	
				For >500 To 1,000, Add	2.47	
				For >1,000 To 2,000, Add	1.40	
				For >2,000 To 5,000, Add	0.70	
				For >10,000 To 20,000, Deduct	-0.33	
				For >20,000 To 35,000, Deduct	-0.58	
				For >35,000 To 50,000, Deduct	-0.84	
				For >50,000 To 70,000, Deduct	-1.10	
				For >70,000, Deduct	-1.36	
03 31 13 00-0007	SF	8"	3,000 PSI Slab On Grade Concrete Slabs Assembly		11.12	
				For 2,000 PSI Concrete, Deduct	-0.12	
				For 2,500 PSI Concrete, Deduct	-0.06	
				For 3,500 PSI Concrete, Add	0.06	
				For 4,000 PSI Concrete, Add	0.12	
				For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
				For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
				For Up To 500, Add	3.77	
				For >500 To 1,000, Add	2.64	
				For >1,000 To 2,000, Add	1.50	
				For >2,000 To 5,000, Add	0.75	
				For >10,000 To 20,000, Deduct	-0.36	
				For >20,000 To 35,000, Deduct	-0.64	
				For >35,000 To 50,000, Deduct	-0.92	
				For >50,000 To 70,000, Deduct	-1.20	
				For >70,000, Deduct	-1.47	
03 31 13 00-0008	SF	10"	3,000 PSI Slab On Grade Concrete Slabs Assembly		13.33	
				For 2,000 PSI Concrete, Deduct	-0.16	
				For 2,500 PSI Concrete, Deduct	-0.08	
				For 3,500 PSI Concrete, Add	0.08	
				For 4,000 PSI Concrete, Add	0.16	
				For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
				For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
				For Up To 500, Add	4.33	
				For >500 To 1,000, Add	3.04	
				For >1,000 To 2,000, Add	1.75	
				For >2,000 To 5,000, Add	0.88	
				For >10,000 To 20,000, Deduct	-0.46	
				For >20,000 To 35,000, Deduct	-0.79	
				For >35,000 To 50,000, Deduct	-1.12	
				For >50,000 To 70,000, Deduct	-1.46	
				For >70,000, Deduct	-1.79	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 31 13 00-0009	SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	15.02	
	For 2,000 PSI Concrete, Deduct	-0.18	
	For 2,500 PSI Concrete, Deduct	-0.09	
	For 3,500 PSI Concrete, Add	0.09	
	For 4,000 PSI Concrete, Add	0.18	
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
	For Up To 500, Add	4.79	
	For >500 To 1,000, Add	3.37	
	For >1,000 To 2,000, Add	1.95	
	For >2,000 To 5,000, Add	0.97	
	For >10,000 To 20,000, Deduct	-0.53	
	For >20,000 To 35,000, Deduct	-0.90	
	For >35,000 To 50,000, Deduct	-1.28	
	For >50,000 To 70,000, Deduct	-1.65	
	For >70,000, Deduct	-2.03	
03 31 13 00-0010	Concrete Delivery And Placement <small>(03 31 13)</small>		
	Note: Includes cleaning out equipment and standard concrete placement tests.		
03 31 13 00-0011	Place 3000 PSI Concrete By Direct Chute <small>(03 31 13 00-0010)</small>		
	Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0012	Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31 13 00-0013	CY Direct Chute, Place 3,000 PSI Concrete Pile Caps.....	223.22	
	For 2,000 PSI Concrete, Deduct	-6.01	
	For 2,500 PSI Concrete, Deduct	-3.00	
	For 3,500 PSI Concrete, Add	3.00	
	For 3,750 PSI Concrete, Add	4.50	
	For 4,000 PSI Concrete, Add	6.01	
	For 4,500 PSI Concrete, Add	9.01	
	For 5,000 PSI Concrete, Add	12.01	
	For 6,000 PSI Concrete, Add	15.01	
	For 7,500 PSI Concrete, Add	24.02	
	For White Cement Concrete, Add	21.20	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
	For High Early Strength, Type 3 ASTM C150, Add	17.66	
	For Lightweight Aggregate, ASTM C330, Add	52.99	
	For Up To 20, Add	18.64	
	For >20 To 50, Add	6.99	
	For >100 To 200, Deduct	-4.46	
	For >200 To 400, Deduct	-8.93	
	For >400, Deduct	-13.39	
	For DOT Class D, Add	76.13	
	For DOT Class E, Add	66.24	
	For DOT Class F, Add	76.66	
	For DOT Class G, Add	73.65	
03 31 13 00-0014	CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	235.72	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-6.51	
	For 2,500 PSI Concrete, Deduct	-3.25	
	For 3,500 PSI Concrete, Add	3.25	
	For 3,750 PSI Concrete, Add	4.88	
	For 4,000 PSI Concrete, Add	6.51	
	For 4,500 PSI Concrete, Add	9.76	
	For 5,000 PSI Concrete, Add	13.01	
	For 6,000 PSI Concrete, Add	16.26	
	For 7,500 PSI Concrete, Add	26.02	
	For White Cement Concrete, Add	22.96	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
	For High Early Strength, Type 3 ASTM C150, Add	19.14	
	For Lightweight Aggregate, ASTM C330, Add	57.41	
	For Up To 20, Add	17.75	
	For >20 To 50, Add	6.66	
	For >100 To 200, Deduct	-4.71	
	For >200 To 400, Deduct	-9.43	
	For >400, Deduct	-14.14	
	For DOT Class D, Add	82.47	
	For DOT Class E, Add	71.76	
	For DOT Class F, Add	83.05	
	For DOT Class G, Add	79.79	
03 31 13 00-0015	Place Concrete Continuous Footings <small>(03 31 13 00-0011)</small>		

Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0016	CY		Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	218.04	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	16.56	
			For >20 To 50, Add	6.21	
			For >100 To 200, Deduct	-4.36	
			For >200 To 400, Deduct	-8.72	
			For >400, Deduct	-13.08	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	
03 31 13 00-0017	CY		Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	230.78	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-6.51	
			For 2,500 PSI Concrete, Deduct	-3.25	
			For 3,500 PSI Concrete, Add	3.25	
			For 3,750 PSI Concrete, Add	4.88	
			For 4,000 PSI Concrete, Add	6.51	
			For 4,500 PSI Concrete, Add	9.76	
			For 5,000 PSI Concrete, Add	13.01	
			For 6,000 PSI Concrete, Add	16.26	
			For 7,500 PSI Concrete, Add	26.02	
			For White Cement Concrete, Add	22.96	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
			For High Early Strength, Type 3 ASTM C150, Add	19.14	
			For Lightweight Aggregate, ASTM C330, Add	57.41	
			For Up To 20, Add	15.77	
			For >20 To 50, Add	5.91	
			For >100 To 200, Deduct	-4.62	
			For >200 To 400, Deduct	-9.23	
			For >400, Deduct	-13.85	
			For DOT Class D, Add	82.47	
			For DOT Class E, Add	71.76	
			For DOT Class F, Add	83.05	
			For DOT Class G, Add	79.79	

03 31 13 00-0018 Place Concrete Spread Footings (03 31 13 00-0018)

03 31 13 00-0019	CY		Direct Chute, Place 3,000 PSI Concrete Spread Footings	246.50	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	27.95	
			For >20 To 50, Add	10.48	
			For >100 To 200, Deduct	-4.93	
			For >200 To 400, Deduct	-9.86	
			For >400, Deduct	-14.79	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	

03 Concrete

03 30 Cast-In-Place Concrete

03 31 Structural Concrete

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0020	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	257.90	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	26.62	
		For >20 To 50, Add	9.98	
		For >100 To 200, Deduct	-5.16	
		For >200 To 400, Deduct	-10.32	
		For >400, Deduct	-15.47	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	

03 31 13 00-0021 Place Concrete Mat Foundation (03 31 13 00-0011)

03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	189.06	
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	4.97	
		For >20 To 50, Add	1.86	
		For >100 To 200, Deduct	-3.78	
		For >200 To 400, Deduct	-7.56	
		For >400, Deduct	-11.34	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	201.70	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	4.14	
		For >20 To 50, Add	1.55	
		For >100 To 200, Deduct	-4.03	
		For >200 To 400, Deduct	-8.07	
		For >400, Deduct	-12.10	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	

03 31 13 00-0024 Place Concrete Grade Beams (03 31 13 00-0011)

Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 31	13 00-0025	CY	Direct Chute, Place 3000 PSI Concrete Grade Beam	209.75	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	13.25	
			For >20 To 50, Add	4.97	
			For >100 To 200, Deduct	-4.20	
			For >200 To 400, Deduct	-8.39	
			For >400, Deduct	-12.59	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	
03 31	13 00-0026	CY	Concrete Pump, Place 3000 PSI Concrete Grade Beam	222.90	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-6.51	
			For 2,500 PSI Concrete, Deduct	-3.25	
			For 3,500 PSI Concrete, Add	3.25	
			For 3,750 PSI Concrete, Add	4.88	
			For 4,000 PSI Concrete, Add	6.51	
			For 4,500 PSI Concrete, Add	9.76	
			For 5,000 PSI Concrete, Add	13.01	
			For 6,000 PSI Concrete, Add	16.26	
			For 7,500 PSI Concrete, Add	26.02	
			For White Cement Concrete, Add	22.96	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
			For High Early Strength, Type 3 ASTM C150, Add	19.14	
			For Lightweight Aggregate, ASTM C330, Add	57.41	
			For Up To 20, Add	12.62	
			For >20 To 50, Add	4.73	
			For >100 To 200, Deduct	-4.46	
			For >200 To 400, Deduct	-8.92	
			For >400, Deduct	-13.37	
			For DOT Class D, Add	82.47	
			For DOT Class E, Add	71.76	
			For DOT Class F, Add	83.05	
			For DOT Class G, Add	79.79	

03 31 13 00-0027 Place Concrete Slab On Grade (03 31 13 00-0011)

03 31	13 00-0028	CY	Up To 6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	210.53	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	13.56	
			For >20 To 50, Add	5.09	
			For >100 To 200, Deduct	-4.21	
			For >200 To 400, Deduct	-8.42	
			For >400, Deduct	-12.63	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0029	CY	>6", Direct Chute, Place 3000 PSI Concrete Slab On Grade.....	202.35	
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	10.29	
		For >20 To 50, Add	3.86	
		For >100 To 200, Deduct	-4.05	
		For >200 To 400, Deduct	-8.09	
		For >400, Deduct	-12.14	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0030	CY	Up To 6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade.....	219.60	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	11.30	
		For >20 To 50, Add	4.24	
		For >100 To 200, Deduct	-4.39	
		For >200 To 400, Deduct	-8.78	
		For >400, Deduct	-13.18	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	
03 31 13 00-0031	CY	>6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade.....	212.79	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	8.58	
		For >20 To 50, Add	3.22	
		For >100 To 200, Deduct	-4.26	
		For >200 To 400, Deduct	-8.51	
		For >400, Deduct	-12.77	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	

03 31 13 00-0032 Place Concrete Duct Bank (03 31 13 00-0011)

Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 31	13 00-0033	CY	Pour Ductbank, 3000 PSI Concrete	204.69	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	11.22	
			For >20 To 50, Add	4.21	
			For >100 To 200, Deduct	-4.09	
			For >200 To 400, Deduct	-8.19	
			For >400, Deduct	-12.28	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	

03 31 13 00-0034 Place Concrete Stairs (03 31 13 00-0011)

03 31	13 00-0035	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	329.20	
			For 2,000 PSI Concrete, Deduct	-6.01	
			For 2,500 PSI Concrete, Deduct	-3.00	
			For 3,500 PSI Concrete, Add	3.00	
			For 3,750 PSI Concrete, Add	4.50	
			For 4,000 PSI Concrete, Add	6.01	
			For 4,500 PSI Concrete, Add	9.01	
			For 5,000 PSI Concrete, Add	12.01	
			For 6,000 PSI Concrete, Add	15.01	
			For 7,500 PSI Concrete, Add	24.02	
			For White Cement Concrete, Add	21.20	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
			For High Early Strength, Type 3 ASTM C150, Add	17.66	
			For Lightweight Aggregate, ASTM C330, Add	52.99	
			For Up To 20, Add	61.03	
			For >20 To 50, Add	22.89	
			For >100 To 200, Deduct	-6.58	
			For >200 To 400, Deduct	-13.17	
			For >400, Deduct	-19.75	
			For DOT Class D, Add	76.13	
			For DOT Class E, Add	66.24	
			For DOT Class F, Add	76.66	
			For DOT Class G, Add	73.65	

03 31	13 00-0036	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	318.51	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-6.51	
			For 2,500 PSI Concrete, Deduct	-3.25	
			For 3,500 PSI Concrete, Add	3.25	
			For 3,750 PSI Concrete, Add	4.88	
			For 4,000 PSI Concrete, Add	6.51	
			For 4,500 PSI Concrete, Add	9.76	
			For 5,000 PSI Concrete, Add	13.01	
			For 6,000 PSI Concrete, Add	16.26	
			For 7,500 PSI Concrete, Add	26.02	
			For White Cement Concrete, Add	22.96	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
			For High Early Strength, Type 3 ASTM C150, Add	19.14	
			For Lightweight Aggregate, ASTM C330, Add	57.41	
			For Up To 20, Add	50.86	
			For >20 To 50, Add	19.07	
			For >100 To 200, Deduct	-6.37	
			For >200 To 400, Deduct	-12.74	
			For >400, Deduct	-19.11	
			For DOT Class D, Add	82.47	
			For DOT Class E, Add	71.76	
			For DOT Class F, Add	83.05	
			For DOT Class G, Add	79.79	

03 31 13 00-0037 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0038 Place Elevated Concrete Beams (03 31 13 00-0037)

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0039	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Beams	316.94
		Note: Excludes crane and bucket.	
		For 2,000 PSI Concrete, Deduct	-6.01
		For 2,500 PSI Concrete, Deduct	-3.00
		For 3,500 PSI Concrete, Add	3.00
		For 3,750 PSI Concrete, Add	4.50
		For 4,000 PSI Concrete, Add	6.01
		For 4,500 PSI Concrete, Add	9.01
		For 5,000 PSI Concrete, Add	12.01
		For 6,000 PSI Concrete, Add	15.01
		For 7,500 PSI Concrete, Add	24.02
		For White Cement Concrete, Add	21.20
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96
		For High Early Strength, Type 3 ASTM C150, Add	17.66
		For Lightweight Aggregate, ASTM C330, Add	52.99
		For Up To 20, Add	56.12
		For >20 To 50, Add	21.05
		For >100 To 200, Deduct	-6.34
		For >200 To 400, Deduct	-12.68
		For >400, Deduct	-19.02
		For DOT Class D, Add	76.13
		For DOT Class E, Add	66.24
		For DOT Class F, Add	76.66
		For DOT Class G, Add	73.65
03 31 13 00-0040	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams	270.22
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-6.51
		For 2,500 PSI Concrete, Deduct	-3.25
		For 3,500 PSI Concrete, Add	3.25
		For 3,750 PSI Concrete, Add	4.88
		For 4,000 PSI Concrete, Add	6.51
		For 4,500 PSI Concrete, Add	9.76
		For 5,000 PSI Concrete, Add	13.01
		For 6,000 PSI Concrete, Add	16.26
		For 7,500 PSI Concrete, Add	26.02
		For White Cement Concrete, Add	22.96
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88
		For High Early Strength, Type 3 ASTM C150, Add	19.14
		For Lightweight Aggregate, ASTM C330, Add	57.41
		For Up To 20, Add	31.55
		For >20 To 50, Add	11.83
		For >100 To 200, Deduct	-5.40
		For >200 To 400, Deduct	-10.81
		For >400, Deduct	-16.21
		For DOT Class D, Add	82.47
		For DOT Class E, Add	71.76
		For DOT Class F, Add	83.05
		For DOT Class G, Add	79.79
03 31 13 00-0041		Place Elevated Concrete Slab <small>(03 31 13 00-0037)</small>	
03 31 13 00-0042	CY	Pour Elevated Slab, < 6", Crane And Bucket, 3000 PSI Concrete	309.46
		Note: Excludes crane and bucket.	
		For 2,000 PSI Concrete, Deduct	-6.01
		For 2,500 PSI Concrete, Deduct	-3.00
		For 3,500 PSI Concrete, Add	3.00
		For 3,750 PSI Concrete, Add	4.50
		For 4,000 PSI Concrete, Add	6.01
		For 4,500 PSI Concrete, Add	9.01
		For 5,000 PSI Concrete, Add	12.01
		For 6,000 PSI Concrete, Add	15.01
		For 7,500 PSI Concrete, Add	24.02
		For White Cement Concrete, Add	21.20
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96
		For High Early Strength, Type 3 ASTM C150, Add	17.66
		For Lightweight Aggregate, ASTM C330, Add	52.99
		For Up To 20, Add	53.13
		For >20 To 50, Add	19.92
		For >100 To 200, Deduct	-6.19
		For >200 To 400, Deduct	-12.38
		For >400, Deduct	-18.57
		For DOT Class D, Add	76.13
		For DOT Class E, Add	66.24
		For DOT Class F, Add	76.66
		For DOT Class G, Add	73.65

	MINOR	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI			UNIT COST	UNIT COST

03 31 13 00-0043	CY	Pour Elevated Slab, >= 6", Crane And Bucket, 3000 PSI Concrete.....	273.71		
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-6.01	
		For 2,500 PSI Concrete, Deduct		-3.00	
		For 3,500 PSI Concrete, Add		3.00	
		For 3,750 PSI Concrete, Add		4.50	
		For 4,000 PSI Concrete, Add		6.01	
		For 4,500 PSI Concrete, Add		9.01	
		For 5,000 PSI Concrete, Add		12.01	
		For 6,000 PSI Concrete, Add		15.01	
		For 7,500 PSI Concrete, Add		24.02	
		For White Cement Concrete, Add		21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		22.96	
		For High Early Strength, Type 3 ASTM C150, Add		17.66	
		For Lightweight Aggregate, ASTM C330, Add		52.99	
		For Up To 20, Add		38.83	
		For >20 To 50, Add		14.56	
		For >100 To 200, Deduct		-5.47	
		For >200 To 400, Deduct		-10.95	
		For >400, Deduct		-16.42	
		For DOT Class D, Add		76.13	
		For DOT Class E, Add		66.24	
		For DOT Class F, Add		76.66	
		For DOT Class G, Add		73.65	
03 31 13 00-0044	CY	Pour Elevated Slab, Up To 6", Concrete Pump, 3000 PSI Concrete	228.48		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-6.51	
		For 2,500 PSI Concrete, Deduct		-3.25	
		For 3,500 PSI Concrete, Add		3.25	
		For 3,750 PSI Concrete, Add		4.88	
		For 4,000 PSI Concrete, Add		6.51	
		For 4,500 PSI Concrete, Add		9.76	
		For 5,000 PSI Concrete, Add		13.01	
		For 6,000 PSI Concrete, Add		16.26	
		For 7,500 PSI Concrete, Add		26.02	
		For White Cement Concrete, Add		22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		24.88	
		For High Early Strength, Type 3 ASTM C150, Add		19.14	
		For Lightweight Aggregate, ASTM C330, Add		57.41	
		For Up To 20, Add		14.85	
		For >20 To 50, Add		5.57	
		For >100 To 200, Deduct		-4.57	
		For >200 To 400, Deduct		-9.14	
		For >400, Deduct		-13.71	
		For DOT Class D, Add		82.47	
		For DOT Class E, Add		71.76	
		For DOT Class F, Add		83.05	
		For DOT Class G, Add		79.79	
03 31 13 00-0045	CY	Pour Elevated Slab, >6", Concrete Pump, 3000 PSI Concrete.....	219.52		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-6.51	
		For 2,500 PSI Concrete, Deduct		-3.25	
		For 3,500 PSI Concrete, Add		3.25	
		For 3,750 PSI Concrete, Add		4.88	
		For 4,000 PSI Concrete, Add		6.51	
		For 4,500 PSI Concrete, Add		9.76	
		For 5,000 PSI Concrete, Add		13.01	
		For 6,000 PSI Concrete, Add		16.26	
		For 7,500 PSI Concrete, Add		26.02	
		For White Cement Concrete, Add		22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		24.88	
		For High Early Strength, Type 3 ASTM C150, Add		19.14	
		For Lightweight Aggregate, ASTM C330, Add		57.41	
		For Up To 20, Add		11.27	
		For >20 To 50, Add		4.23	
		For >100 To 200, Deduct		-4.39	
		For >200 To 400, Deduct		-8.78	
		For >400, Deduct		-13.17	
		For DOT Class D, Add		82.47	
		For DOT Class E, Add		71.76	
		For DOT Class F, Add		83.05	
		For DOT Class G, Add		79.79	

03 31 13 00-0046 Place Concrete Columns (03 31 13 00-0037)

03 Concrete

03 30 Cast-In-Place Concrete

03 31 Structural Concrete

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0047	CY	12" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	334.47	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	63.14	
		For >20 To 50, Add	23.68	
		For >100 To 200, Deduct	-6.69	
		For >200 To 400, Deduct	-13.38	
		For >400, Deduct	-20.07	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0048	CY	18" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	291.42	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	45.92	
		For >20 To 50, Add	17.22	
		For >100 To 200, Deduct	-5.83	
		For >200 To 400, Deduct	-11.66	
		For >400, Deduct	-17.49	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0049	CY	24" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	266.81	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	36.07	
		For >20 To 50, Add	13.53	
		For >100 To 200, Deduct	-5.34	
		For >200 To 400, Deduct	-10.67	
		For >400, Deduct	-16.01	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 31	13 00-0050	CY	36" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns 239.76 Note: Excludes crane and bucket.		
				<i>For 2,000 PSI Concrete, Deduct</i>	-6.01	
				<i>For 2,500 PSI Concrete, Deduct</i>	-3.00	
				<i>For 3,500 PSI Concrete, Add</i>	3.00	
				<i>For 3,750 PSI Concrete, Add</i>	4.50	
				<i>For 4,000 PSI Concrete, Add</i>	6.01	
				<i>For 4,500 PSI Concrete, Add</i>	9.01	
				<i>For 5,000 PSI Concrete, Add</i>	12.01	
				<i>For 6,000 PSI Concrete, Add</i>	15.01	
				<i>For 7,500 PSI Concrete, Add</i>	24.02	
				<i>For White Cement Concrete, Add</i>	21.20	
				<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	22.96	
				<i>For High Early Strength, Type 3 ASTM C150, Add</i>	17.66	
				<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.99	
				<i>For Up To 20, Add</i>	25.25	
				<i>For >20 To 50, Add</i>	9.47	
				<i>For >100 To 200, Deduct</i>	-4.80	
				<i>For >200 To 400, Deduct</i>	-9.59	
				<i>For >400, Deduct</i>	-14.39	
				<i>For DOT Class D, Add</i>	76.13	
				<i>For DOT Class E, Add</i>	66.24	
				<i>For DOT Class F, Add</i>	76.66	
				<i>For DOT Class G, Add</i>	73.65	
	03 31	13 00-0051	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 276.54 Note: Excludes pumping equipment.		
				<i>For 2,000 PSI Concrete, Deduct</i>	-6.51	
				<i>For 2,500 PSI Concrete, Deduct</i>	-3.25	
				<i>For 3,500 PSI Concrete, Add</i>	3.25	
				<i>For 3,750 PSI Concrete, Add</i>	4.88	
				<i>For 4,000 PSI Concrete, Add</i>	6.51	
				<i>For 4,500 PSI Concrete, Add</i>	9.76	
				<i>For 5,000 PSI Concrete, Add</i>	13.01	
				<i>For 6,000 PSI Concrete, Add</i>	16.26	
				<i>For 7,500 PSI Concrete, Add</i>	26.02	
				<i>For White Cement Concrete, Add</i>	22.96	
				<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.88	
				<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.14	
				<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.41	
				<i>For Up To 20, Add</i>	34.08	
				<i>For >20 To 50, Add</i>	12.78	
				<i>For >100 To 200, Deduct</i>	-5.53	
				<i>For >200 To 400, Deduct</i>	-11.06	
				<i>For >400, Deduct</i>	-16.59	
				<i>For DOT Class D, Add</i>	82.47	
				<i>For DOT Class E, Add</i>	71.76	
				<i>For DOT Class F, Add</i>	83.05	
				<i>For DOT Class G, Add</i>	79.79	
	03 31	13 00-0052	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns 253.27 Note: Excludes pumping equipment.		
				<i>For 2,000 PSI Concrete, Deduct</i>	-6.51	
				<i>For 2,500 PSI Concrete, Deduct</i>	-3.25	
				<i>For 3,500 PSI Concrete, Add</i>	3.25	
				<i>For 3,750 PSI Concrete, Add</i>	4.88	
				<i>For 4,000 PSI Concrete, Add</i>	6.51	
				<i>For 4,500 PSI Concrete, Add</i>	9.76	
				<i>For 5,000 PSI Concrete, Add</i>	13.01	
				<i>For 6,000 PSI Concrete, Add</i>	16.26	
				<i>For 7,500 PSI Concrete, Add</i>	26.02	
				<i>For White Cement Concrete, Add</i>	22.96	
				<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.88	
				<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.14	
				<i>For Lightweight Aggregate, ASTM C330, Add</i>	57.41	
				<i>For Up To 20, Add</i>	24.77	
				<i>For >20 To 50, Add</i>	9.29	
				<i>For >100 To 200, Deduct</i>	-5.07	
				<i>For >200 To 400, Deduct</i>	-10.13	
				<i>For >400, Deduct</i>	-15.20	
				<i>For DOT Class D, Add</i>	82.47	
				<i>For DOT Class E, Add</i>	71.76	
				<i>For DOT Class F, Add</i>	83.05	
				<i>For DOT Class G, Add</i>	79.79	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0053	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	236.62	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	18.11	
		For >20 To 50, Add	6.79	
		For >100 To 200, Deduct	-4.73	
		For >200 To 400, Deduct	-9.46	
		For >400, Deduct	-14.20	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	
03 31 13 00-0054	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	229.20	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	15.14	
		For >20 To 50, Add	5.68	
		For >100 To 200, Deduct	-4.58	
		For >200 To 400, Deduct	-9.17	
		For >400, Deduct	-13.75	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	
03 31 13 00-0055		Place Concrete Walls (03 31 13 00-0037)		
03 31 13 00-0056	CY	8" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls	366.12	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	75.80	
		For >20 To 50, Add	28.42	
		For >100 To 200, Deduct	-7.32	
		For >200 To 400, Deduct	-14.64	
		For >400, Deduct	-21.97	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0057	CY		12" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls.....	344.33	
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-6.01	
				For 2,500 PSI Concrete, Deduct	-3.00	
				For 3,500 PSI Concrete, Add	3.00	
				For 3,750 PSI Concrete, Add	4.50	
				For 4,000 PSI Concrete, Add	6.01	
				For 4,500 PSI Concrete, Add	9.01	
				For 5,000 PSI Concrete, Add	12.01	
				For 6,000 PSI Concrete, Add	15.01	
				For 7,500 PSI Concrete, Add	24.02	
				For White Cement Concrete, Add	21.20	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
				For High Early Strength, Type 3 ASTM C150, Add	17.66	
				For Lightweight Aggregate, ASTM C330, Add	52.99	
				For Up To 20, Add	67.08	
				For >20 To 50, Add	25.16	
				For >100 To 200, Deduct	-6.89	
				For >200 To 400, Deduct	-13.77	
				For >400, Deduct	-20.66	
				For DOT Class D, Add	76.13	
				For DOT Class E, Add	66.24	
				For DOT Class F, Add	76.66	
				For DOT Class G, Add	73.65	
03 31	13 00-0058	CY		15" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls.....	336.35	
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-6.01	
				For 2,500 PSI Concrete, Deduct	-3.00	
				For 3,500 PSI Concrete, Add	3.00	
				For 3,750 PSI Concrete, Add	4.50	
				For 4,000 PSI Concrete, Add	6.01	
				For 4,500 PSI Concrete, Add	9.01	
				For 5,000 PSI Concrete, Add	12.01	
				For 6,000 PSI Concrete, Add	15.01	
				For 7,500 PSI Concrete, Add	24.02	
				For White Cement Concrete, Add	21.20	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
				For High Early Strength, Type 3 ASTM C150, Add	17.66	
				For Lightweight Aggregate, ASTM C330, Add	52.99	
				For Up To 20, Add	63.89	
				For >20 To 50, Add	23.96	
				For >100 To 200, Deduct	-6.73	
				For >200 To 400, Deduct	-13.45	
				For >400, Deduct	-20.18	
				For DOT Class D, Add	76.13	
				For DOT Class E, Add	66.24	
				For DOT Class F, Add	76.66	
				For DOT Class G, Add	73.65	
03 31	13 00-0059	CY		Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	260.48	
				For 2,000 PSI Concrete, Deduct	-6.01	
				For 2,500 PSI Concrete, Deduct	-3.00	
				For 3,500 PSI Concrete, Add	3.00	
				For 3,750 PSI Concrete, Add	4.50	
				For 4,000 PSI Concrete, Add	6.01	
				For 4,500 PSI Concrete, Add	9.01	
				For 5,000 PSI Concrete, Add	12.01	
				For 6,000 PSI Concrete, Add	15.01	
				For 7,500 PSI Concrete, Add	24.02	
				For White Cement Concrete, Add	21.20	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
				For High Early Strength, Type 3 ASTM C150, Add	17.66	
				For Lightweight Aggregate, ASTM C330, Add	52.99	
				For Up To 20, Add	33.54	
				For >20 To 50, Add	12.58	
				For >100 To 200, Deduct	-5.21	
				For >200 To 400, Deduct	-10.42	
				For >400, Deduct	-15.63	
				For DOT Class D, Add	76.13	
				For DOT Class E, Add	66.24	
				For DOT Class F, Add	76.66	
				For DOT Class G, Add	73.65	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0060	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	243.71	
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	26.83	
		For >20 To 50, Add	10.06	
		For >100 To 200, Deduct	-4.87	
		For >200 To 400, Deduct	-9.75	
		For >400, Deduct	-14.62	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0061	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	235.32	
		For 2,000 PSI Concrete, Deduct	-6.01	
		For 2,500 PSI Concrete, Deduct	-3.00	
		For 3,500 PSI Concrete, Add	3.00	
		For 3,750 PSI Concrete, Add	4.50	
		For 4,000 PSI Concrete, Add	6.01	
		For 4,500 PSI Concrete, Add	9.01	
		For 5,000 PSI Concrete, Add	12.01	
		For 6,000 PSI Concrete, Add	15.01	
		For 7,500 PSI Concrete, Add	24.02	
		For White Cement Concrete, Add	21.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96	
		For High Early Strength, Type 3 ASTM C150, Add	17.66	
		For Lightweight Aggregate, ASTM C330, Add	52.99	
		For Up To 20, Add	23.48	
		For >20 To 50, Add	8.80	
		For >100 To 200, Deduct	-4.71	
		For >200 To 400, Deduct	-9.41	
		For >400, Deduct	-14.12	
		For DOT Class D, Add	76.13	
		For DOT Class E, Add	66.24	
		For DOT Class F, Add	76.66	
		For DOT Class G, Add	73.65	
03 31 13 00-0062	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	271.20	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-6.51	
		For 2,500 PSI Concrete, Deduct	-3.25	
		For 3,500 PSI Concrete, Add	3.25	
		For 3,750 PSI Concrete, Add	4.88	
		For 4,000 PSI Concrete, Add	6.51	
		For 4,500 PSI Concrete, Add	9.76	
		For 5,000 PSI Concrete, Add	13.01	
		For 6,000 PSI Concrete, Add	16.26	
		For 7,500 PSI Concrete, Add	26.02	
		For White Cement Concrete, Add	22.96	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
		For High Early Strength, Type 3 ASTM C150, Add	19.14	
		For Lightweight Aggregate, ASTM C330, Add	57.41	
		For Up To 20, Add	31.94	
		For >20 To 50, Add	11.98	
		For >100 To 200, Deduct	-5.42	
		For >200 To 400, Deduct	-10.85	
		For >400, Deduct	-16.27	
		For DOT Class D, Add	82.47	
		For DOT Class E, Add	71.76	
		For DOT Class F, Add	83.05	
		For DOT Class G, Add	79.79	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0063	CY			12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	255.23	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-6.51	
				For 2,500 PSI Concrete, Deduct	-3.25	
				For 3,500 PSI Concrete, Add	3.25	
				For 3,750 PSI Concrete, Add	4.88	
				For 4,000 PSI Concrete, Add	6.51	
				For 4,500 PSI Concrete, Add	9.76	
				For 5,000 PSI Concrete, Add	13.01	
				For 6,000 PSI Concrete, Add	16.26	
				For 7,500 PSI Concrete, Add	26.02	
				For White Cement Concrete, Add	22.96	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
				For High Early Strength, Type 3 ASTM C150, Add	19.14	
				For Lightweight Aggregate, ASTM C330, Add	57.41	
				For Up To 20, Add	25.55	
				For >20 To 50, Add	9.58	
				For >100 To 200, Deduct	-5.10	
				For >200 To 400, Deduct	-10.21	
				For >400, Deduct	-15.31	
				For DOT Class D, Add	82.47	
				For DOT Class E, Add	71.76	
				For DOT Class F, Add	83.05	
				For DOT Class G, Add	79.79	

03 31 13 00-0064	CY			15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	247.25	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-6.51	
				For 2,500 PSI Concrete, Deduct	-3.25	
				For 3,500 PSI Concrete, Add	3.25	
				For 3,750 PSI Concrete, Add	4.88	
				For 4,000 PSI Concrete, Add	6.51	
				For 4,500 PSI Concrete, Add	9.76	
				For 5,000 PSI Concrete, Add	13.01	
				For 6,000 PSI Concrete, Add	16.26	
				For 7,500 PSI Concrete, Add	26.02	
				For White Cement Concrete, Add	22.96	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
				For High Early Strength, Type 3 ASTM C150, Add	19.14	
				For Lightweight Aggregate, ASTM C330, Add	57.41	
				For Up To 20, Add	22.36	
				For >20 To 50, Add	8.39	
				For >100 To 200, Deduct	-4.95	
				For >200 To 400, Deduct	-9.89	
				For >400, Deduct	-14.84	
				For DOT Class D, Add	82.47	
				For DOT Class E, Add	71.76	
				For DOT Class F, Add	83.05	
				For DOT Class G, Add	79.79	

03 31 13 00-0065 Place Elevated Concrete Stairs (03 31 13 00-0037)

03 31 13 00-0066	CY			Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	332.61	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-6.51	
				For 2,500 PSI Concrete, Deduct	-3.25	
				For 3,500 PSI Concrete, Add	3.25	
				For 3,750 PSI Concrete, Add	4.88	
				For 4,000 PSI Concrete, Add	6.51	
				For 4,500 PSI Concrete, Add	9.76	
				For 5,000 PSI Concrete, Add	13.01	
				For 6,000 PSI Concrete, Add	16.26	
				For 7,500 PSI Concrete, Add	26.02	
				For White Cement Concrete, Add	22.96	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88	
				For High Early Strength, Type 3 ASTM C150, Add	19.14	
				For Lightweight Aggregate, ASTM C330, Add	57.41	
				For Up To 20, Add	56.50	
				For >20 To 50, Add	21.19	
				For >100 To 200, Deduct	-6.65	
				For >200 To 400, Deduct	-13.30	
				For >400, Deduct	-19.96	
				For DOT Class D, Add	82.47	
				For DOT Class E, Add	71.76	
				For DOT Class F, Add	83.05	
				For DOT Class G, Add	79.79	

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
03 31 13 00-0067	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Stairs.....	463.54		
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct	-6.01		
		For 2,500 PSI Concrete, Deduct	-3.00		
		For 3,500 PSI Concrete, Add	3.00		
		For 3,750 PSI Concrete, Add	4.50		
		For 4,000 PSI Concrete, Add	6.01		
		For 4,500 PSI Concrete, Add	9.01		
		For 5,000 PSI Concrete, Add	12.01		
		For 6,000 PSI Concrete, Add	15.01		
		For 7,500 PSI Concrete, Add	24.02		
		For White Cement Concrete, Add	21.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96		
		For High Early Strength, Type 3 ASTM C150, Add	17.66		
		For Lightweight Aggregate, ASTM C330, Add	52.99		
		For Up To 20, Add	114.76		
		For >20 To 50, Add	43.04		
		For >100 To 200, Deduct	-9.27		
		For >200 To 400, Deduct	-18.54		
		For >400, Deduct	-27.81		
		For DOT Class D, Add	76.13		
		For DOT Class E, Add	66.24		
		For DOT Class F, Add	76.66		
		For DOT Class G, Add	73.65		
03 31 13 00-0068		Place Concrete Coping (03 31 13 00-0037)			
03 31 13 00-0069	CY	Direct Chute, Place 3,000 PSI Concrete Coping	345.00		
		For 2,000 PSI Concrete, Deduct	-6.01		
		For 2,500 PSI Concrete, Deduct	-3.00		
		For 3,500 PSI Concrete, Add	3.00		
		For 3,750 PSI Concrete, Add	4.50		
		For 4,000 PSI Concrete, Add	6.01		
		For 4,500 PSI Concrete, Add	9.01		
		For 5,000 PSI Concrete, Add	12.01		
		For 6,000 PSI Concrete, Add	15.01		
		For 7,500 PSI Concrete, Add	24.02		
		For White Cement Concrete, Add	21.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	22.96		
		For High Early Strength, Type 3 ASTM C150, Add	17.66		
		For Lightweight Aggregate, ASTM C330, Add	52.99		
		For Up To 20, Add	67.35		
		For >20 To 50, Add	25.26		
		For >100 To 200, Deduct	-6.90		
		For >200 To 400, Deduct	-13.80		
		For >400, Deduct	-20.70		
		For DOT Class D, Add	76.13		
		For DOT Class E, Add	66.24		
		For DOT Class F, Add	76.66		
		For DOT Class G, Add	73.65		
03 31 13 00-0070	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	446.38		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-6.51		
		For 2,500 PSI Concrete, Deduct	-3.25		
		For 3,500 PSI Concrete, Add	3.25		
		For 3,750 PSI Concrete, Add	4.88		
		For 4,000 PSI Concrete, Add	6.51		
		For 4,500 PSI Concrete, Add	9.76		
		For 5,000 PSI Concrete, Add	13.01		
		For 6,000 PSI Concrete, Add	16.26		
		For 7,500 PSI Concrete, Add	26.02		
		For White Cement Concrete, Add	22.96		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.88		
		For High Early Strength, Type 3 ASTM C150, Add	19.14		
		For Lightweight Aggregate, ASTM C330, Add	57.41		
		For Up To 20, Add	102.01		
		For >20 To 50, Add	38.25		
		For >100 To 200, Deduct	-8.93		
		For >200 To 400, Deduct	-17.86		
		For >400, Deduct	-26.78		
		For DOT Class D, Add	82.47		
		For DOT Class E, Add	71.76		
		For DOT Class F, Add	83.05		
		For DOT Class G, Add	79.79		
03 31 13 00-0071		Concrete Carts (03 31 13 00-0010)			
		Note: Used to place concrete were necessary.			
03 31 13 00-0072	CY	50' Haul, Non Motorized, Concrete Buggy	19.97		
03 31 13 00-0073	CY	150' Haul, Non Motorized, Concrete Buggy	26.73		
03 31 13 00-0074	CY	250' Haul, Non Motorized, Concrete Buggy	35.65		
03 31 13 00-0075	CY	50' Haul, Motorized, Concrete Buggy	9.11		
03 31 13 00-0076	CY	150' Haul, Motorized, Concrete Buggy.....	12.21		
03 31 13 00-0077	CY	250' Haul, Motorized, Concrete Buggy.....	16.28		
03 31 13 00-0078		Concrete Bucket (03 31 13 00-0010)			
		Note: Excludes crane rental. Use "Direct Chute" concrete tasks from appropriate section to place into bucket and place concrete.			
03 31 13 00-0079	DAY	2 CY Concrete Bucket Rental	159.30		

Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0080	Delivery Fee For Small Purchases (03 31 13)	
03 31 13 00-0081	EA Up To 3 CY, Delivery Fee For Concrete Purchases	150.00
03 31 13 00-0082	EA >3 To <7 CY, Delivery Fee For Concrete Purchases.....	75.00

03 31 16 Lightweight Structural Concrete (03 31)

03 31 16 00-0001	Low Density Cellular / Foam Concrete Fill (03 31 16)	
03 31 16 00-0002	CY Lightweight Low Density Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	238.85

03 35 Concrete Finishing (03 30)

03 35 13 High-Tolerance Concrete Floor Finishing (03 35)

03 35 13 00-0001	Floor Finishes (03 35 13)	
Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF Scream, Concrete Floor Finish	0.90
	For Up To 100, Add	1.80
	For >100 To 250, Add	0.45
	For >250 To 500, Add	0.23
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000, Deduct	-0.09
03 35 13 00-0003	SF Darby, Concrete Floor Finish	1.08
	For Up To 100, Add	2.16
	For >100 To 250, Add	0.54
	For >250 To 500, Add	0.27
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000, Deduct	-0.11
03 35 13 00-0004	SF Broom, Concrete Floor Finish	1.19
	For Up To 100, Add	2.38
	For >100 To 250, Add	0.60
	For >250 To 500, Add	0.30
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000, Deduct	-0.12
03 35 13 00-0005	SF Final Float, Concrete Floor Finish	1.38
	For Up To 100, Add	2.76
	For >100 To 250, Add	0.69
	For >250 To 500, Add	0.35
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000, Deduct	-0.14
03 35 13 00-0006	SF Steel Trowel, Concrete Floor Finish	1.56
	For Up To 100, Add	3.12
	For >100 To 250, Add	0.78
	For >250 To 500, Add	0.39
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000, Deduct	-0.16

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)

03 35 16 00-0001	Shake On Floor Hardeners (03 35 16)	
03 35 16 00-0002	SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.16
03 35 16 00-0003	SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.82
03 35 16 00-0004	SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener	1.09
03 35 16 00-0005	SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.34

03 35 19 Colored Concrete Finishing (03 35)

03 35 19 00-0001	Concrete Surface Treatments (03 35 19)	
03 35 19 00-0002	SF Acrylic Latex Bonding Agent	0.42
03 35 19 00-0003	SF Epoxy Resin Bonding Agent	2.41
03 35 19 00-0004	SF Clear Acrylic Sealer, Hardener And Dustproofers	0.29
03 35 19 00-0005	SF Colored Acrylic Sealer, Hardener And Dustproofers	0.30

03 35 23 Exposed Aggregate Concrete Finishing (03 35)

03 35 23 00-0001	Exposed Aggregate, Concrete Finish (03 35 23)	
03 35 23 00-0002	SF Exposed Aggregate, Concrete Floor Finish	2.96

03 35 26 Grooved Concrete Surface Finishing (03 35)

03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing (03 35 26)	
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing	3.61

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001	Stamped Concrete Finishes (03 35 33)	
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish	3.57
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish.....	3.23
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish.....	3.09

03 Concrete**03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**03 35 43 Polished Concrete Finishing (03 35)****03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)**

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	1.70	
		For Up To 500, Add	3.22	
		For >500 To 1,000, Add	2.99	
		For >1,000 To 2,500, Add	1.98	
		For >2,500 To 4,000, Add	1.03	
		For >8,000 To 15,000, Deduct	-0.40	
		For >15,000 To 25,000, Deduct	-0.51	
		For >25,000, Deduct	-0.71	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.37	
		For Up To 500, Add	2.58	
		For >500 To 1,000, Add	2.39	
		For >1,000 To 2,500, Add	1.58	
		For >2,500 To 4,000, Add	0.82	
		For >8,000 To 15,000, Deduct	-0.32	
		For >15,000 To 25,000, Deduct	-0.41	
		For >25,000, Deduct	-0.57	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	1.15	
		For Up To 500, Add	2.15	
		For >500 To 1,000, Add	2.00	
		For >1,000 To 2,500, Add	1.32	
		For >2,500 To 4,000, Add	0.69	
		For >8,000 To 15,000, Deduct	-0.27	
		For >15,000 To 25,000, Deduct	-0.34	
		For >25,000, Deduct	-0.48	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	1.07	
		For Up To 500, Add	2.00	
		For >500 To 1,000, Add	1.85	
		For >1,000 To 2,500, Add	1.23	
		For >2,500 To 4,000, Add	0.64	
		For >8,000 To 15,000, Deduct	-0.25	
		For >15,000 To 25,000, Deduct	-0.31	
		For >25,000, Deduct	-0.44	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels.....	0.99	
		For Up To 500, Add	1.84	
		For >500 To 1,000, Add	1.71	
		For >1,000 To 2,500, Add	1.13	
		For >2,500 To 4,000, Add	0.59	
		For >8,000 To 15,000, Deduct	-0.23	
		For >15,000 To 25,000, Deduct	-0.29	
		For >25,000, Deduct	-0.41	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels.....	0.99	
		For Up To 500, Add	1.84	
		For >500 To 1,000, Add	1.71	
		For >1,000 To 2,500, Add	1.13	
		For >2,500 To 4,000, Add	0.59	
		For >8,000 To 15,000, Deduct	-0.23	
		For >15,000 To 25,000, Deduct	-0.29	
		For >25,000, Deduct	-0.41	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels.....	0.99	
		For Up To 500, Add	1.84	
		For >500 To 1,000, Add	1.71	
		For >1,000 To 2,500, Add	1.13	
		For >2,500 To 4,000, Add	0.59	
		For >8,000 To 15,000, Deduct	-0.23	
		For >15,000 To 25,000, Deduct	-0.29	
		For >25,000, Deduct	-0.41	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels.....	0.99	
		For Up To 500, Add	1.84	
		For >500 To 1,000, Add	1.71	
		For >1,000 To 2,500, Add	1.13	
		For >2,500 To 4,000, Add	0.59	
		For >8,000 To 15,000, Deduct	-0.23	
		For >15,000 To 25,000, Deduct	-0.29	
		For >25,000, Deduct	-0.41	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.21	
		For Up To 500, Add	0.41	
		For >500 To 1,000, Add	0.38	
		For >1,000 To 2,500, Add	0.25	
		For >2,500 To 4,000, Add	0.13	
		For >8,000 To 15,000, Deduct	-0.05	
		For >15,000 To 25,000, Deduct	-0.06	
		For >25,000, Deduct	-0.09	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier.....	0.26	
		For Up To 500, Add	0.50	
		For >500 To 1,000, Add	0.47	
		For >1,000 To 2,500, Add	0.31	
		For >2,500 To 4,000, Add	0.16	
		For >8,000 To 15,000, Deduct	-0.06	
		For >15,000 To 25,000, Deduct	-0.08	
		For >25,000, Deduct	-0.11	

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector	0.38	
		For Up To 500, Add	0.74	
		For >500 To 1,000, Add	0.68	
		For >1,000 To 2,500, Add	0.45	
		For >2,500 To 4,000, Add	0.24	
		For >8,000 To 15,000, Deduct	-0.09	
		For >15,000 To 25,000, Deduct	-0.12	
		For >25,000, Deduct	-0.16	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.13	
		For Up To 500, Add	0.25	
		For >500 To 1,000, Add	0.23	
		For >1,000 To 2,500, Add	0.15	
		For >2,500 To 4,000, Add	0.08	
		For >8,000 To 15,000, Deduct	-0.03	
		For >15,000 To 25,000, Deduct	-0.04	
		For >25,000, Deduct	-0.06	

03 35 63 Slip-Resistant Floor Finishing (03 35)

03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.24	
		For Up To 100, Add	1.72	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.22	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000, Deduct	-0.09	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.09	
		For Up To 100, Add	1.72	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.22	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000, Deduct	-0.09	

03 35 66 Acid Etch Floor Finishing (03 35)

03 35 66 00-0001 Acid Etch Floor (03 35 66)

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.97	
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000, Deduct	-0.04	

03 35 83 Concrete Wall Finishing (03 35)

03 35 83 00-0001 Wall Finishes (03 35 83)

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.61	
		For Up To 100, Add	3.02	
		For >100 To 250, Add	0.76	
		For >250 To 500, Add	0.38	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000, Deduct	-0.15	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.40	
		For Up To 100, Add	4.50	
		For >100 To 250, Add	1.13	
		For >250 To 500, Add	0.56	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000, Deduct	-0.23	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.06	
		For Up To 100, Add	1.00	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.13	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000, Deduct	-0.05	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	4.82	
		For Up To 100, Add	9.54	
		For >100 To 250, Add	2.39	
		For >250 To 500, Add	1.19	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000, Deduct	-0.48	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	7.48	
		For Up To 100, Add	14.76	
		For >100 To 250, Add	3.69	
		For >250 To 500, Add	1.85	
		For >5,000 To 10,000, Deduct	-0.37	
		For >10,000, Deduct	-0.74	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	0.94	
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.20	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000, Deduct	-0.08	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.13	
		For Up To 100, Add	6.00	
		For >100 To 250, Add	1.50	
		For >250 To 500, Add	0.75	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000, Deduct	-0.30	

03 Concrete
03 30 Cast-In-Place Concrete
03 35 Concrete Finishing

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	4.77
		<i>For Up To 100, Add</i>	9.28
		<i>For >100 To 250, Add</i>	2.32
		<i>For >250 To 500, Add</i>	1.16
		<i>For >5,000 To 10,000, Deduct</i>	-0.23
		<i>For >10,000, Deduct</i>	-0.46
03 35 83 00-0010	SF	Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	2.90
		<i>For Up To 100, Add</i>	4.84
		<i>For >100 To 250, Add</i>	1.21
		<i>For >250 To 500, Add</i>	0.61
		<i>For >5,000 To 10,000, Deduct</i>	-0.12
		<i>For >10,000, Deduct</i>	-0.24
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	8.06
		<i>For Up To 100, Add</i>	14.20
		<i>For >100 To 250, Add</i>	3.55
		<i>For >250 To 500, Add</i>	1.78
		<i>For >5,000 To 10,000, Deduct</i>	-0.36
		<i>For >10,000, Deduct</i>	-0.71

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	5.02
		<i>For Up To 25, Add</i>	0.75
		<i>For >25 To 50, Add</i>	0.41
		<i>For >50 To 150, Add</i>	0.12
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	9.72
		<i>For Up To 25, Add</i>	1.41
		<i>For >25 To 50, Add</i>	0.78
		<i>For >50 To 150, Add</i>	0.22
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	14.13
		<i>For Up To 25, Add</i>	2.01
		<i>For >25 To 50, Add</i>	1.10
		<i>For >50 To 150, Add</i>	0.30
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	18.30
		<i>For Up To 25, Add</i>	2.54
		<i>For >25 To 50, Add</i>	1.39
		<i>For >50 To 150, Add</i>	0.36
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	26.11
		<i>For Up To 25, Add</i>	3.48
		<i>For >25 To 50, Add</i>	1.88
		<i>For >50 To 150, Add</i>	0.43

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.56
		<i>For Radius Or Irregular Surface, Add</i>	0.90
		<i>For Up To 25, Add</i>	0.79
		<i>For >25 To 50, Add</i>	0.45
		<i>For >50 To 150, Add</i>	0.17
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	8.65
		<i>For Radius Or Irregular Surface, Add</i>	1.62
		<i>For Up To 25, Add</i>	1.47
		<i>For >25 To 50, Add</i>	0.84
		<i>For >50 To 150, Add</i>	0.30
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.37
		<i>For Radius Or Irregular Surface, Add</i>	2.18
		<i>For Up To 25, Add</i>	2.05
		<i>For >25 To 50, Add</i>	1.16
		<i>For >50 To 150, Add</i>	0.41
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.76
		<i>For Radius Or Irregular Surface, Add</i>	2.62
		<i>For Up To 25, Add</i>	2.56
		<i>For >25 To 50, Add</i>	1.44
		<i>For >50 To 150, Add</i>	0.49

03 37 16 Pumped Concrete (03 37)

03 37 16 00-0001 Concrete Pumping With Boom Truck Or Trailer (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	122.08
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	128.05
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	149.61
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	163.03
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	176.88
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	206.22
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	223.72
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	266.11
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	94.40

Note: Includes hoses

Concrete	03	03
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 39 Concrete Curing (03 39)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound.....	0.27	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.				

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets.....	30.06	
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03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket.....	214.66	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket.....	28.51	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 48 Precast Concrete Specialties (03 48)

03 48 16 Precast Concrete Splash Blocks (03 48)

03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3".....	34.14	3.20
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03 48 54 Precast Concrete Blocks (03 48)

03 48 54 00-0001 Precast Concrete Blocks (03 48 54)

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block.....	100.97	33.86
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block.....	142.10	42.32
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block.....	229.77	50.79

03 50 Cast Decks and Underlayment (03)

03 54 Cast Underlayment (03 54)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.				
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	1.65	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.13	
For >100 To 250 SF, Add			0.06	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	2.91	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.13	
For >100 To 250 SF, Add			0.06	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	3.74	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.13	
For >100 To 250 SF, Add			0.06	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	5.41	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.13	
For >100 To 250 SF, Add			0.06	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	6.41	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.13	
For >100 To 250 SF, Add			0.06	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	7.96	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.07	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors.....	10.46	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.15	
For >100 To 250 SF, Add			0.07	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	13.83	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	

03 Concrete**03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....		15.51	
		Note: Including Surface Preparation			
		For Up To 100 SF, Add		0.17	
		For >100 To 250 SF, Add		0.08	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....		20.61	
		Note: Including Surface Preparation			
		For Up To 100 SF, Add		0.21	
		For >100 To 250 SF, Add		0.10	
03 60 Grouting (03)					
03 61 Cementitious Grouting (03 60)					
Note: 1 part cement to 3 parts sand by volume.					
03 61 16 Cementitious Flowable Grout (03 61)					
03 61 16 00-0001		Cementitious Flowable Grout (03 61 16)			
03 61 16 00-0002	CY	Cementitious Flowable Grout.....		440.54	
03 62 Non-Shrink Grouting (03 60)					
03 62 13 Non-Metallic Non-Shrink Grouting (03 62)					
03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)			
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....		24.56	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....		36.95	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases (03 62 13)			
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases.....		37.89	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases.....		61.48	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints (03 62 13)			
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)			
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		1.81	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		2.38	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....		3.15	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)			
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		2.72	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		3.65	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....		4.86	
03 62 16 Metallic Non-Shrink Grouting (03 62)					
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases (03 62 16)			
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases.....		31.51	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases.....		49.11	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints (03 62 16)			
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)			
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....		1.41	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....		1.78	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....		2.37	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)			
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....		1.94	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....		2.45	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....		3.28	
03 64 Injection Grouting (03 60)					
Note: By volume of void filled. Includes injection ports.					
03 64 23 Epoxy Injection Grouting (03 64)					
03 64 23 00-0001		Pressure Injected Epoxy Grout (03 64 23)			
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout.....		851.91	
		For >4, Deduct		-89.36	
03 64 26 Cementitious Injection Grouting (03 64)					
03 64 26 00-0001		Pressure Injected Cementitious Grout (03 64 26)			
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout.....		165.53	
		For >4, Deduct		-41.86	

Concrete	03	03
Grouting	03 60	
Injection Grouting	03 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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- 03 80 Concrete Cutting and Boring (03)
- 03 81 Concrete Cutting (03 80)
 - 03 81 13 Flat Concrete Sawing** (03 81)
See CSI section 02 41 19 13-0001 for saw cutting.
 - 03 81 16 Track Mounted Concrete Wall Sawing** (03 81)
See CSI section 02 41 19 13-0001 for saw cutting.
- 03 82 Concrete Boring (03 80)
 - 03 82 13 Concrete Core Drilling** (03 82)
See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

03 Concrete

03 80 Concrete Cutting and Boring

03 82 Concrete Boring

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	19.83
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	28.97
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	38.90
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	21.81
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.49
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	44.18
		For Up To 10, Add	8.20
		For >10 To 50, Add	4.10

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.90
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.09
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	177.59
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	51.90
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	57.09
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	63.00
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.10
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	177.59
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	54.72
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.86
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	201.14
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	54.72
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	60.86
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	67.71
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	80.70
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	201.14
		For Up To 10, Add	32.81
		For >10 To 50, Add	16.41
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0001)	
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)	
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.94
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.87
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.80
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.73
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.66
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.59
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.94
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.87
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.80
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.73
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.66
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.52
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	9.94
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.80
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.19
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)	
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	9.94
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	10.87
		For Up To 10, Add	4.92
		For >10 To 50, Add	2.46

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.80	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.73	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.66	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.59	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	9.94	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.87	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.80	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.73	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.66	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.52	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	9.94	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.80	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.19	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)		
<small>Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.</small>		
04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.75	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.08	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.15	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.29	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0069 EA 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.53	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0070 EA 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.73	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	
04 01 20 41-0071 EA 8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.84	
For Up To 10, Add	4.92	
For >10 To 50, Add	2.46	
For Metal Stud Clip, Add	2.21	

04 Masonry

04 01 Maintenance of Masonry

04 01 20 Maintenance of Unit Masonry

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.97	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.56	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.65	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.36	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.97	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.49	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.31	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.94	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.10	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.86	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.22	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.55	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.84	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.02	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0086	EA		10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.15	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0087	EA		10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.37	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0088	EA		10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.46	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0089	EA		10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.88	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.48	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.98	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.62	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.04	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.96	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.94	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.64	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.86	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.00	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.10	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.40	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.87	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.05	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.52	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.20	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.61	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.90	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.08	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.21	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.52	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.14	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		<i>For Up To 10, Add</i>	2.46	
		<i>For >10 To 50, Add</i>	1.23	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.28	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.70	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.78	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	8.95	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.25	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.51	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.64	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.80	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.42	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.53	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.42	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.83	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.11	
		<i>For Up To 10, Add</i>	4.92	
		<i>For >10 To 50, Add</i>	2.46	
		<i>For Metal Stud Clip, Add</i>	2.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	16.96	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.66	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.49	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.90	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.31	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.67	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.91	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.06	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.34	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.45	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.94	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.62	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.24	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.03	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.31	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.36	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.09	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.49	
			<i>For Up To 10, Add</i>	4.92	
			<i>For >10 To 50, Add</i>	2.46	
			<i>For Metal Stud Clip, Add</i>	2.21	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 01 20 41-0144	EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.72	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0145	EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.89	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0146	EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.02	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0147	EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.39	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0148	EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.99	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0149	EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.18	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0150	EA 8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.77	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0151	EA 10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.09	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0152	EA 10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.60	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0153	EA 10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.97	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0154	EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.20	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0155	EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.36	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0156	EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.74	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
	For Metal Stud Clip, Add	2.21	
04 01 20 41-0157	EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.55	
	Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
	For Up To 10, Add	2.46	
	For >10 To 50, Add	1.23	
04 01 20 41-0158	Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001) Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159	304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0158)		
04 01 20 41-0160	EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.45	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
04 01 20 41-0161	EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.49	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	
04 01 20 41-0162	316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0158)		
04 01 20 41-0163	EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.74	
	For Up To 10, Add	4.92	
	For >10 To 50, Add	2.46	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164	EA			8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) 6.80 <i>For Up To 10, Add 4.92</i> <i>For >10 To 50, Add 2.46</i>		
04 01 20 41-0165				Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0001)</small> Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166				304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0165)</small>		
04 01 20 41-0167	EA			6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) 41.52 <i>For Up To 10, Add 32.81</i> <i>For >10 To 50, Add 16.41</i>		
04 01 20 41-0168				316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) <small>(04 01 20 41-0165)</small>		
04 01 20 41-0169	EA			6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) 42.83 <i>For Up To 10, Add 32.81</i> <i>For >10 To 50, Add 16.41</i>		
04 01 20 41-0170				Unit Masonry Stabilization <small>(04 01 20 41)</small>		
04 01 20 41-0171				Repair Bulging Or Loose Masonry <small>(04 01 20 41-0170)</small>		
04 01 20 41-0172	SF			Repair Bulging Or Loose Masonry Using Existing Masonry..... 67.56 Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF			Repair Bulging Or Loose Masonry Using New Masonry..... 72.60 Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51				Unit Masonry Maintenance <small>(04 01 20)</small>		
04 01 20 51-0001				Grind Unit Masonry <small>(04 01 20 51)</small>		
04 01 20 51-0002	SF			Grind Smooth Masonry Wall 3.16		
04 01 20 91				Unit Masonry Restoration <small>(04 01 20)</small> See CSI section 03 01 30 71-0053 for crack repair.		
04 01 20 91-0001				Cut And Repoint Masonry <small>(04 01 20 91)</small> Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002	SF			Cut And Repoint, Hard Mortar, Running Bond, Brick..... 8.27 <i>For Common Or American Bond, Add 0.31</i> <i>For Flemish Bond, Add 1.08</i> <i>For English Bond, Add 1.77</i> <i>For >250 To 1,000, Deduct -0.38</i> <i>For >1,000, Deduct -0.80</i>		
04 01 20 91-0003	SF			Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick 5.80 <i>For Common Or American Bond, Add 0.21</i> <i>For Flemish Bond, Add 0.73</i> <i>For English Bond, Add 1.20</i> <i>For >250 To 1,000, Deduct -0.26</i> <i>For >1,000, Deduct -0.55</i>		
04 01 20 91-0004	SF			Cut And Repoint, Hard Mortar, Running Bond, Concrete Block..... 4.43 <i>For Common Or American Bond, Add 0.15</i> <i>For >250 To 1,000, Deduct -0.19</i> <i>For >1,000, Deduct -0.41</i>		
04 01 20 91-0005	SF			Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block 3.21 <i>For Common Or American Bond, Add 0.11</i> <i>For >250 To 1,000, Deduct -0.13</i> <i>For >1,000, Deduct -0.29</i>		
04 01 20 91-0006	LF			Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area..... 2.69		
04 01 20 91-0007				Repair Masonry <small>(04 01 20 91)</small> Note: Includes mortar for repair.		
04 01 20 91-0008	SF			Patch And Repair Terra Cotta Walls Or Coping..... 15.41 Note: Including Replacement Of Damaged Material		
04 01 20 91-0009	LF			Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) 26.33 <i>For Cracks Accessible From Both Sides, Add 5.34</i>		
04 01 20 91-0010	LF			Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) 23.40 <i>For Cracks Accessible From Both Sides, Add 5.34</i>		
04 01 20 91-0011	LF			Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)..... 6.41 <i>For V-Grooving Crack With Grinder, Add 4.69</i>		
04 01 20 91-0012	LF			>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)..... 8.54 <i>For V-Grooving Crack With Grinder, Add 4.46</i>		

04 Masonry**04 01 Maintenance of Masonry****04 01 50 Maintenance of Refractory Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 50 Maintenance of Refractory Masonry (04 01)

04 01 50 52 Refractory Masonry Cleaning (04 01 50)

04 01 50 52-0001 Chimney Cleaning (04 01 50 52)

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning.....	5.71
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	11.41
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	17.12

04 05 Common Work Results for Masonry (04)

04 05 13 Masonry Mortaring (04 05)

04 05 13 26 Engineered Masonry Mortaring (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Portland Cement (04 05 13 26)

04 05 13 26-0002	CF	Normal Portland Cement (Type I).....	14.67
04 05 13 26-0003	CF	Modified Portland Cement (Type II).....	7.32
04 05 13 26-0004	CF	High Early Strength Portland Cement (Type III).....	7.77
04 05 13 26-0005	CF	White Non Staining Portland Cement (Type I).....	16.26

04 05 16 Masonry Grouting (04 05)

04 05 16 26 Engineered Masonry Grouting (04 05 16)

Note: Does not include reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	3.97
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	4.36
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	4.90
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	5.49

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	3.01
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	4.48
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	6.41
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	7.90
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	9.36

04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	3.66
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	5.18
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	6.52
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF).....	8.92

04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill.....	5.93
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill.....	5.10

04 05 16 26-0020 Sand Filled Walls (04 05 16 26)

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF).....	2.93
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF).....	4.06
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF).....	5.00
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF).....	6.69

04 05 19 Masonry Anchorage and Reinforcing (04 05)

04 05 19 13 Continuous Joint Reinforcing (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing (04 05 19 13)

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	54.17
		For Hot-Dipped Galvanized, Add.....	11.00
		For Stainless Steel, Add.....	44.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.48	
			<i>For Hot-Dipped Galvanized, Add</i>	11.56	
			<i>For Stainless Steel, Add</i>	46.22	
04 05 19 13-0007	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	61.86	
			<i>For Hot-Dipped Galvanized, Add</i>	12.18	
			<i>For Stainless Steel, Add</i>	48.72	
04 05 19 13-0008	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	67.02	
			<i>For Hot-Dipped Galvanized, Add</i>	12.89	
			<i>For Stainless Steel, Add</i>	51.54	
04 05 19 13-0009	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	72.98	
			<i>For Hot-Dipped Galvanized, Add</i>	13.58	
			<i>For Stainless Steel, Add</i>	54.30	
04 05 19 13-0010	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	77.33	
			<i>For Hot-Dipped Galvanized, Add</i>	13.92	
			<i>For Stainless Steel, Add</i>	55.66	
04 05 19 13-0011	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	80.57	
			<i>For Hot-Dipped Galvanized, Add</i>	14.30	
			<i>For Stainless Steel, Add</i>	57.20	
04 05 19 13-0012	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	94.59	
			<i>For Hot-Dipped Galvanized, Add</i>	19.66	
			<i>For Stainless Steel, Add</i>	78.64	
04 05 19 13-0013	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	119.35	
			<i>For Hot-Dipped Galvanized, Add</i>	30.39	
			<i>For Stainless Steel, Add</i>	121.56	
04 05 19 13-0014			Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.37	
			<i>For Hot-Dipped Galvanized, Add</i>	17.10	
			<i>For Stainless Steel, Add</i>	68.40	
04 05 19 13-0016	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.81	
			<i>For Hot-Dipped Galvanized, Add</i>	17.72	
			<i>For Stainless Steel, Add</i>	70.88	
04 05 19 13-0017	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.32	
			<i>For Hot-Dipped Galvanized, Add</i>	18.41	
			<i>For Stainless Steel, Add</i>	73.64	
04 05 19 13-0018	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.35	
			<i>For Hot-Dipped Galvanized, Add</i>	19.05	
			<i>For Stainless Steel, Add</i>	76.20	
04 05 19 13-0019	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.28	
			<i>For Hot-Dipped Galvanized, Add</i>	19.73	
			<i>For Stainless Steel, Add</i>	78.90	
04 05 19 13-0020	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.67	
			<i>For Hot-Dipped Galvanized, Add</i>	20.10	
			<i>For Stainless Steel, Add</i>	80.38	
04 05 19 13-0021	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.84	
			<i>For Hot-Dipped Galvanized, Add</i>	20.44	
			<i>For Stainless Steel, Add</i>	81.74	
04 05 19 13-0022	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.80	
			<i>For Hot-Dipped Galvanized, Add</i>	27.77	
			<i>For Stainless Steel, Add</i>	111.08	
04 05 19 13-0023	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.17	
			<i>For Hot-Dipped Galvanized, Add</i>	44.31	
			<i>For Stainless Steel, Add</i>	177.22	
04 05 19 13-0024			Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	78.19	
			<i>For Hot-Dipped Galvanized, Add</i>	23.01	
			<i>For Stainless Steel, Add</i>	92.04	
04 05 19 13-0026	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	83.20	
			<i>For Hot-Dipped Galvanized, Add</i>	24.28	
			<i>For Stainless Steel, Add</i>	97.10	
04 05 19 13-0027	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.20	
			<i>For Hot-Dipped Galvanized, Add</i>	25.54	
			<i>For Stainless Steel, Add</i>	102.14	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.36	
	<i>For Hot-Dipped Galvanized, Add</i>	27.06	
	<i>For Stainless Steel, Add</i>	108.22	
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.49	
	<i>For Hot-Dipped Galvanized, Add</i>	28.56	
	<i>For Stainless Steel, Add</i>	114.22	
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.22	
	<i>For Hot-Dipped Galvanized, Add</i>	29.36	
	<i>For Stainless Steel, Add</i>	117.44	
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.66	
	<i>For Hot-Dipped Galvanized, Add</i>	30.05	
	<i>For Stainless Steel, Add</i>	120.20	
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.14	
	<i>For Hot-Dipped Galvanized, Add</i>	31.44	
	<i>For Stainless Steel, Add</i>	125.74	
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.01	
	<i>For Hot-Dipped Galvanized, Add</i>	52.22	
	<i>For Stainless Steel, Add</i>	208.88	
04 05 19 13-0034	Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0033)</small>		
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.26	
	<i>For Hot-Dipped Galvanized, Add</i>	25.05	
	<i>For Stainless Steel, Add</i>	100.18	
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.55	
	<i>For Hot-Dipped Galvanized, Add</i>	25.59	
	<i>For Stainless Steel, Add</i>	102.36	
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.92	
	<i>For Hot-Dipped Galvanized, Add</i>	26.22	
	<i>For Stainless Steel, Add</i>	104.86	
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.09	
	<i>For Hot-Dipped Galvanized, Add</i>	26.92	
	<i>For Stainless Steel, Add</i>	107.68	
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.06	
	<i>For Hot-Dipped Galvanized, Add</i>	27.61	
	<i>For Stainless Steel, Add</i>	110.44	
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.39	
	<i>For Hot-Dipped Galvanized, Add</i>	27.95	
	<i>For Stainless Steel, Add</i>	111.78	
04 05 19 13-0041	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.62	
	<i>For Hot-Dipped Galvanized, Add</i>	28.33	
	<i>For Stainless Steel, Add</i>	113.32	
04 05 19 13-0042	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.65	
	<i>For Hot-Dipped Galvanized, Add</i>	33.69	
	<i>For Stainless Steel, Add</i>	134.76	
04 05 19 13-0043	Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0033)</small>		
04 05 19 13-0044	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.45	
	<i>For Hot-Dipped Galvanized, Add</i>	31.14	
	<i>For Stainless Steel, Add</i>	124.56	
04 05 19 13-0045	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	97.90	
	<i>For Hot-Dipped Galvanized, Add</i>	31.77	
	<i>For Stainless Steel, Add</i>	127.06	
04 05 19 13-0046	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.40	
	<i>For Hot-Dipped Galvanized, Add</i>	32.46	
	<i>For Stainless Steel, Add</i>	129.82	
04 05 19 13-0047	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.44	
	<i>For Hot-Dipped Galvanized, Add</i>	33.10	
	<i>For Stainless Steel, Add</i>	132.38	
04 05 19 13-0048	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.38	
	<i>For Hot-Dipped Galvanized, Add</i>	33.77	
	<i>For Stainless Steel, Add</i>	135.08	
04 05 19 13-0049	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.76	
	<i>For Hot-Dipped Galvanized, Add</i>	34.14	
	<i>For Stainless Steel, Add</i>	136.56	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0050	CLF	#14		(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 120.92 <i>For Hot-Dipped Galvanized, Add</i> 34.48 <i>For Stainless Steel, Add</i> 137.90		
04 05 19 13-0051	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 138.88 <i>For Hot-Dipped Galvanized, Add</i> 41.81 <i>For Stainless Steel, Add</i> 167.24		
04 05 19 13-0052	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 175.26 <i>For Hot-Dipped Galvanized, Add</i> 58.35 <i>For Stainless Steel, Add</i> 233.40		
04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>						
04 05 19 13-0054	CLF	#4		(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 106.26 <i>For Hot-Dipped Galvanized, Add</i> 37.05 <i>For Stainless Steel, Add</i> 148.18		
04 05 19 13-0055	CLF	#6		(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 111.27 <i>For Hot-Dipped Galvanized, Add</i> 38.31 <i>For Stainless Steel, Add</i> 153.24		
04 05 19 13-0056	CLF	#8		(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 116.29 <i>For Hot-Dipped Galvanized, Add</i> 39.58 <i>For Stainless Steel, Add</i> 158.32		
04 05 19 13-0057	CLF	#10		(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 123.42 <i>For Hot-Dipped Galvanized, Add</i> 41.09 <i>For Stainless Steel, Add</i> 164.34		
04 05 19 13-0058	CLF	#12		(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 130.57 <i>For Hot-Dipped Galvanized, Add</i> 42.60 <i>For Stainless Steel, Add</i> 170.38		
04 05 19 13-0059	CLF	#13		(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 136.29 <i>For Hot-Dipped Galvanized, Add</i> 43.40 <i>For Stainless Steel, Add</i> 173.58		
04 05 19 13-0060	CLF	#14		(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 139.73 <i>For Hot-Dipped Galvanized, Add</i> 44.09 <i>For Stainless Steel, Add</i> 176.34		
04 05 19 13-0061	CLF	#16		(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 146.20 <i>For Hot-Dipped Galvanized, Add</i> 45.47 <i>For Stainless Steel, Add</i> 181.86		
04 05 19 13-0062	CLF	#18		(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement 191.09 <i>For Hot-Dipped Galvanized, Add</i> 66.26 <i>For Stainless Steel, Add</i> 265.04		
04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>						
04 05 19 13-0064	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 110.33 <i>For Hot-Dipped Galvanized, Add</i> 39.08 <i>For Stainless Steel, Add</i> 156.32		
04 05 19 13-0065	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 113.62 <i>For Hot-Dipped Galvanized, Add</i> 39.63 <i>For Stainless Steel, Add</i> 158.50		
04 05 19 13-0066	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 117.99 <i>For Hot-Dipped Galvanized, Add</i> 40.25 <i>For Stainless Steel, Add</i> 161.00		
04 05 19 13-0067	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 123.17 <i>For Hot-Dipped Galvanized, Add</i> 40.96 <i>For Stainless Steel, Add</i> 163.84		
04 05 19 13-0068	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 129.14 <i>For Hot-Dipped Galvanized, Add</i> 41.65 <i>For Stainless Steel, Add</i> 166.60		
04 05 19 13-0069	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 133.47 <i>For Hot-Dipped Galvanized, Add</i> 41.99 <i>For Stainless Steel, Add</i> 167.94		
04 05 19 13-0070	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 136.70 <i>For Hot-Dipped Galvanized, Add</i> 42.37 <i>For Stainless Steel, Add</i> 169.48		
04 05 19 13-0071	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement 150.73 <i>For Hot-Dipped Galvanized, Add</i> 47.73 <i>For Stainless Steel, Add</i> 190.92		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	175.49
	<i>For Hot-Dipped Galvanized, Add</i>	58.46
	<i>For Stainless Steel, Add</i>	233.84
04 05 19 13-0073	Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>	
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	122.52
	<i>For Hot-Dipped Galvanized, Add</i>	45.18
	<i>For Stainless Steel, Add</i>	180.70
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	125.98
	<i>For Hot-Dipped Galvanized, Add</i>	45.81
	<i>For Stainless Steel, Add</i>	183.22
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.48
	<i>For Hot-Dipped Galvanized, Add</i>	46.50
	<i>For Stainless Steel, Add</i>	185.98
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.52
	<i>For Hot-Dipped Galvanized, Add</i>	47.14
	<i>For Stainless Steel, Add</i>	188.54
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.46
	<i>For Hot-Dipped Galvanized, Add</i>	47.81
	<i>For Stainless Steel, Add</i>	191.24
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	145.83
	<i>For Hot-Dipped Galvanized, Add</i>	48.18
	<i>For Stainless Steel, Add</i>	192.70
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	149.00
	<i>For Hot-Dipped Galvanized, Add</i>	48.52
	<i>For Stainless Steel, Add</i>	194.06
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	166.95
	<i>For Hot-Dipped Galvanized, Add</i>	55.85
	<i>For Stainless Steel, Add</i>	223.38
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	203.33
	<i>For Hot-Dipped Galvanized, Add</i>	72.39
	<i>For Stainless Steel, Add</i>	289.54
04 05 19 13-0083	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>	
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	134.33
	<i>For Hot-Dipped Galvanized, Add</i>	51.08
	<i>For Stainless Steel, Add</i>	204.32
04 05 19 13-0085	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	139.35
	<i>For Hot-Dipped Galvanized, Add</i>	52.35
	<i>For Stainless Steel, Add</i>	209.40
04 05 19 13-0086	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	144.36
	<i>For Hot-Dipped Galvanized, Add</i>	53.62
	<i>For Stainless Steel, Add</i>	214.46
04 05 19 13-0087	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	151.50
	<i>For Hot-Dipped Galvanized, Add</i>	55.13
	<i>For Stainless Steel, Add</i>	220.50
04 05 19 13-0088	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.64
	<i>For Hot-Dipped Galvanized, Add</i>	56.63
	<i>For Stainless Steel, Add</i>	226.52
04 05 19 13-0089	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	164.37
	<i>For Hot-Dipped Galvanized, Add</i>	57.44
	<i>For Stainless Steel, Add</i>	229.74
04 05 19 13-0090	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	167.81
	<i>For Hot-Dipped Galvanized, Add</i>	58.13
	<i>For Stainless Steel, Add</i>	232.50
04 05 19 13-0091	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	174.28
	<i>For Hot-Dipped Galvanized, Add</i>	59.51
	<i>For Stainless Steel, Add</i>	238.02
04 05 19 13-0092	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	219.16
	<i>For Hot-Dipped Galvanized, Add</i>	80.30
	<i>For Stainless Steel, Add</i>	321.18
04 05 19 13-0093	Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

04 05 19 13-0094	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		79.17
	<i>For Hot-Dipped Galvanized, Add</i>	18.70	
	<i>For Stainless Steel, Add</i>	74.80	
04 05 19 13-0096	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		87.23
	<i>For Hot-Dipped Galvanized, Add</i>	20.42	
	<i>For Stainless Steel, Add</i>	81.66	
04 05 19 13-0097	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		94.91
	<i>For Hot-Dipped Galvanized, Add</i>	21.93	
	<i>For Stainless Steel, Add</i>	87.72	
04 05 19 13-0098	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		101.30
	<i>For Hot-Dipped Galvanized, Add</i>	22.81	
	<i>For Stainless Steel, Add</i>	91.24	
04 05 19 13-0099	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		105.24
	<i>For Hot-Dipped Galvanized, Add</i>	23.62	
	<i>For Stainless Steel, Add</i>	94.46	
04 05 19 13-0100	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		113.02
	<i>For Hot-Dipped Galvanized, Add</i>	25.42	
	<i>For Stainless Steel, Add</i>	101.68	
04 05 19 13-0101	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		119.69
	<i>For Hot-Dipped Galvanized, Add</i>	26.90	
	<i>For Stainless Steel, Add</i>	107.60	
04 05 19 13-0102	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		94.36
	<i>For Hot-Dipped Galvanized, Add</i>	26.30	
	<i>For Stainless Steel, Add</i>	105.18	
04 05 19 13-0104	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		102.46
	<i>For Hot-Dipped Galvanized, Add</i>	28.03	
	<i>For Stainless Steel, Add</i>	112.12	
04 05 19 13-0105	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		109.97
	<i>For Hot-Dipped Galvanized, Add</i>	29.46	
	<i>For Stainless Steel, Add</i>	117.84	
04 05 19 13-0106	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		116.52
	<i>For Hot-Dipped Galvanized, Add</i>	30.42	
	<i>For Stainless Steel, Add</i>	121.68	
04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		120.44
	<i>For Hot-Dipped Galvanized, Add</i>	31.22	
	<i>For Stainless Steel, Add</i>	124.86	
04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		128.21
	<i>For Hot-Dipped Galvanized, Add</i>	33.02	
	<i>For Stainless Steel, Add</i>	132.06	
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		135.09
	<i>For Hot-Dipped Galvanized, Add</i>	34.60	
	<i>For Stainless Steel, Add</i>	138.40	
04 05 19 13-0110	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		101.74
	<i>For Hot-Dipped Galvanized, Add</i>	29.99	
	<i>For Stainless Steel, Add</i>	119.94	
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		111.59
	<i>For Hot-Dipped Galvanized, Add</i>	32.60	
	<i>For Stainless Steel, Add</i>	130.38	
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		121.36
	<i>For Hot-Dipped Galvanized, Add</i>	35.16	
	<i>For Stainless Steel, Add</i>	140.62	
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		128.72
	<i>For Hot-Dipped Galvanized, Add</i>	36.52	
	<i>For Stainless Steel, Add</i>	146.08	
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		133.54
	<i>For Hot-Dipped Galvanized, Add</i>	37.77	
	<i>For Stainless Steel, Add</i>	151.06	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0116	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	143.04	
	<i>For Hot-Dipped Galvanized, Add</i>	40.43	
	<i>For Stainless Steel, Add</i>	161.72	
04 05 19 13-0117	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	151.97	
	<i>For Hot-Dipped Galvanized, Add</i>	43.04	
	<i>For Stainless Steel, Add</i>	172.16	
04 05 19 13-0118	Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0119	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	120.07	
	<i>For Hot-Dipped Galvanized, Add</i>	39.15	
	<i>For Stainless Steel, Add</i>	156.60	
04 05 19 13-0121	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	127.09	
	<i>For Hot-Dipped Galvanized, Add</i>	40.35	
	<i>For Stainless Steel, Add</i>	161.38	
04 05 19 13-0122	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	134.16	
	<i>For Hot-Dipped Galvanized, Add</i>	41.56	
	<i>For Stainless Steel, Add</i>	166.22	
04 05 19 13-0123	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	143.82	
	<i>For Hot-Dipped Galvanized, Add</i>	42.91	
	<i>For Stainless Steel, Add</i>	171.62	
04 05 19 13-0124	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	150.68	
	<i>For Hot-Dipped Galvanized, Add</i>	44.25	
	<i>For Stainless Steel, Add</i>	177.00	
04 05 19 13-0125	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.50	
	<i>For Hot-Dipped Galvanized, Add</i>	46.31	
	<i>For Stainless Steel, Add</i>	185.22	
04 05 19 13-0126	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	143.89	
	<i>For Hot-Dipped Galvanized, Add</i>	51.06	
	<i>For Stainless Steel, Add</i>	204.24	
04 05 19 13-0128	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	150.94	
	<i>For Hot-Dipped Galvanized, Add</i>	52.27	
	<i>For Stainless Steel, Add</i>	209.08	
04 05 19 13-0129	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.32	
	<i>For Hot-Dipped Galvanized, Add</i>	53.64	
	<i>For Stainless Steel, Add</i>	214.54	
04 05 19 13-0130	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.67	
	<i>For Hot-Dipped Galvanized, Add</i>	54.83	
	<i>For Stainless Steel, Add</i>	219.32	
04 05 19 13-0131	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	174.57	
	<i>For Hot-Dipped Galvanized, Add</i>	56.20	
	<i>For Stainless Steel, Add</i>	224.78	
04 05 19 13-0132	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	181.01	
	<i>For Hot-Dipped Galvanized, Add</i>	57.56	
	<i>For Stainless Steel, Add</i>	230.24	
04 05 19 13-0133	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0134	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	145.64	
	<i>For Hot-Dipped Galvanized, Add</i>	51.94	
	<i>For Stainless Steel, Add</i>	207.74	
04 05 19 13-0135	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	154.01	
	<i>For Hot-Dipped Galvanized, Add</i>	53.81	
	<i>For Stainless Steel, Add</i>	215.22	
04 05 19 13-0136	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.36	
	<i>For Hot-Dipped Galvanized, Add</i>	55.66	
	<i>For Stainless Steel, Add</i>	222.62	
04 05 19 13-0137	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.80	
	<i>For Hot-Dipped Galvanized, Add</i>	57.90	
	<i>For Stainless Steel, Add</i>	231.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	182.42	
<i>For Hot-Dipped Galvanized, Add</i>	60.12	
<i>For Stainless Steel, Add</i>	240.48	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.54	
<i>For Hot-Dipped Galvanized, Add</i>	62.33	
<i>For Stainless Steel, Add</i>	249.30	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	129.14	
<i>For Hot-Dipped Galvanized, Add</i>	41.37	
<i>For Stainless Steel, Add</i>	165.48	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	136.15	
<i>For Hot-Dipped Galvanized, Add</i>	42.55	
<i>For Stainless Steel, Add</i>	170.20	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	145.47	
<i>For Hot-Dipped Galvanized, Add</i>	43.73	
<i>For Stainless Steel, Add</i>	174.92	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.44	
<i>For Hot-Dipped Galvanized, Add</i>	45.13	
<i>For Stainless Steel, Add</i>	180.52	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	158.84	
<i>For Hot-Dipped Galvanized, Add</i>	46.48	
<i>For Stainless Steel, Add</i>	185.90	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	166.86	
<i>For Hot-Dipped Galvanized, Add</i>	49.19	
<i>For Stainless Steel, Add</i>	196.76	
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	153.00	
<i>For Hot-Dipped Galvanized, Add</i>	53.30	
<i>For Stainless Steel, Add</i>	213.20	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.04	
<i>For Hot-Dipped Galvanized, Add</i>	54.50	
<i>For Stainless Steel, Add</i>	217.98	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	169.69	
<i>For Hot-Dipped Galvanized, Add</i>	55.84	
<i>For Stainless Steel, Add</i>	223.36	
04 05 19 13-0152 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.26	
<i>For Hot-Dipped Galvanized, Add</i>	57.04	
<i>For Stainless Steel, Add</i>	228.16	
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.69	
<i>For Hot-Dipped Galvanized, Add</i>	58.40	
<i>For Stainless Steel, Add</i>	233.60	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	191.01	
<i>For Hot-Dipped Galvanized, Add</i>	61.27	
<i>For Stainless Steel, Add</i>	245.06	
04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	154.68	
<i>For Hot-Dipped Galvanized, Add</i>	54.14	
<i>For Stainless Steel, Add</i>	216.56	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.07	
<i>For Hot-Dipped Galvanized, Add</i>	56.01	
<i>For Stainless Steel, Add</i>	224.04	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	173.80	
<i>For Hot-Dipped Galvanized, Add</i>	57.90	
<i>For Stainless Steel, Add</i>	231.58	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.42	
<i>For Hot-Dipped Galvanized, Add</i>	60.12	
<i>For Stainless Steel, Add</i>	240.48	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0160	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	190.54	
	<i>For Hot-Dipped Galvanized, Add</i>	62.33	
	<i>For Stainless Steel, Add</i>	249.30	
04 05 19 13-0161	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	199.47	
	<i>For Hot-Dipped Galvanized, Add</i>	65.50	
	<i>For Stainless Steel, Add</i>	261.98	
04 05 19 13-0162	Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0163	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	121.29	
	<i>For Hot-Dipped Galvanized, Add</i>	37.45	
	<i>For Stainless Steel, Add</i>	149.78	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0165	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	127.90	
	<i>For Hot-Dipped Galvanized, Add</i>	38.43	
	<i>For Stainless Steel, Add</i>	153.70	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0166	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	136.95	
	<i>For Hot-Dipped Galvanized, Add</i>	39.47	
	<i>For Stainless Steel, Add</i>	157.88	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0167	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	143.34	
	<i>For Hot-Dipped Galvanized, Add</i>	40.58	
	<i>For Stainless Steel, Add</i>	162.32	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0168	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.37	
	<i>For Hot-Dipped Galvanized, Add</i>	41.74	
	<i>For Stainless Steel, Add</i>	166.96	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0169	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	154.05	
	<i>For Hot-Dipped Galvanized, Add</i>	42.79	
	<i>For Stainless Steel, Add</i>	171.14	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0170	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	143.66	
	<i>For Hot-Dipped Galvanized, Add</i>	48.63	
	<i>For Stainless Steel, Add</i>	194.52	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0172	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	149.83	
	<i>For Hot-Dipped Galvanized, Add</i>	49.39	
	<i>For Stainless Steel, Add</i>	197.56	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0173	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	158.95	
	<i>For Hot-Dipped Galvanized, Add</i>	50.47	
	<i>For Stainless Steel, Add</i>	201.88	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0174	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	165.20	
	<i>For Hot-Dipped Galvanized, Add</i>	51.51	
	<i>For Stainless Steel, Add</i>	206.04	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0175	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	171.00	
	<i>For Hot-Dipped Galvanized, Add</i>	52.56	
	<i>For Stainless Steel, Add</i>	210.22	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0176	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	178.11	
	<i>For Hot-Dipped Galvanized, Add</i>	54.82	
	<i>For Stainless Steel, Add</i>	219.26	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0177	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>		
04 05 19 13-0178	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.31	
	<i>For Hot-Dipped Galvanized, Add</i>	49.46	
	<i>For Stainless Steel, Add</i>	197.82	
	<i>For Seismic Hook And Eye, Add</i>	27.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0179	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	153.54	
			<i>For Hot-Dipped Galvanized, Add</i>	51.25	
			<i>For Stainless Steel, Add</i>	204.98	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0180	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.03	
			<i>For Hot-Dipped Galvanized, Add</i>	53.01	
			<i>For Stainless Steel, Add</i>	212.04	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0181	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.45	
			<i>For Hot-Dipped Galvanized, Add</i>	55.14	
			<i>For Stainless Steel, Add</i>	220.54	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0182	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	180.40	
			<i>For Hot-Dipped Galvanized, Add</i>	57.26	
			<i>For Stainless Steel, Add</i>	229.02	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0183	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.20	
			<i>For Hot-Dipped Galvanized, Add</i>	59.36	
			<i>For Stainless Steel, Add</i>	237.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>					
04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>					
04 05 19 13-0186	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	130.39	
			<i>For Hot-Dipped Galvanized, Add</i>	39.67	
			<i>For Stainless Steel, Add</i>	158.68	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0187	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	139.27	
			<i>For Hot-Dipped Galvanized, Add</i>	40.63	
			<i>For Stainless Steel, Add</i>	162.52	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0188	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	145.36	
			<i>For Hot-Dipped Galvanized, Add</i>	41.59	
			<i>For Stainless Steel, Add</i>	166.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0189	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	151.53	
			<i>For Hot-Dipped Galvanized, Add</i>	42.82	
			<i>For Stainless Steel, Add</i>	171.28	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0190	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.34	
			<i>For Hot-Dipped Galvanized, Add</i>	43.93	
			<i>For Stainless Steel, Add</i>	175.72	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>					
04 05 19 13-0192	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	151.95	
			<i>For Hot-Dipped Galvanized, Add</i>	50.45	
			<i>For Stainless Steel, Add</i>	201.80	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0193	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	161.00	
			<i>For Hot-Dipped Galvanized, Add</i>	51.50	
			<i>For Stainless Steel, Add</i>	205.98	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0194	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	167.39	
			<i>For Hot-Dipped Galvanized, Add</i>	52.61	
			<i>For Stainless Steel, Add</i>	210.42	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0195	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	172.89	
			<i>For Hot-Dipped Galvanized, Add</i>	53.50	
			<i>For Stainless Steel, Add</i>	214.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0196	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.91	
			<i>For Hot-Dipped Galvanized, Add</i>	54.72	
			<i>For Stainless Steel, Add</i>	218.86	
			<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0197	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)		
04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	154.18	
	For Hot-Dipped Galvanized, Add	51.57	
	For Stainless Steel, Add	206.26	
	For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	164.71	
	For Hot-Dipped Galvanized, Add	53.35	
	For Stainless Steel, Add	213.40	
	For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	172.45	
	For Hot-Dipped Galvanized, Add	55.14	
	For Stainless Steel, Add	220.54	
	For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	180.40	
	For Hot-Dipped Galvanized, Add	57.26	
	For Stainless Steel, Add	229.02	
	For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	187.20	
	For Hot-Dipped Galvanized, Add	59.36	
	For Stainless Steel, Add	237.44	
	For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0203	Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0204	Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0205	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	63.37	
	For Hot-Dipped Galvanized, Add	15.60	
	For Stainless Steel, Add	62.40	
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	65.90	
	For Hot-Dipped Galvanized, Add	15.77	
	For Stainless Steel, Add	63.06	
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	70.28	
	For Hot-Dipped Galvanized, Add	16.39	
	For Stainless Steel, Add	65.56	
04 05 19 13-0209	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	75.65	
	For Hot-Dipped Galvanized, Add	17.20	
	For Stainless Steel, Add	68.80	
04 05 19 13-0210	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	82.05	
	For Hot-Dipped Galvanized, Add	18.11	
	For Stainless Steel, Add	72.44	
04 05 19 13-0211	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	86.69	
	For Hot-Dipped Galvanized, Add	18.60	
	For Stainless Steel, Add	74.38	
04 05 19 13-0212	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	90.17	
	For Hot-Dipped Galvanized, Add	19.31	
	For Stainless Steel, Add	77.22	
04 05 19 13-0213	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	109.50	
	For Hot-Dipped Galvanized, Add	27.12	
	For Stainless Steel, Add	108.48	
04 05 19 13-0214	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	115.90	
	For Hot-Dipped Galvanized, Add	28.67	
	For Stainless Steel, Add	114.68	
04 05 19 13-0215	CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	161.88	
	For Hot-Dipped Galvanized, Add	49.59	
	For Stainless Steel, Add	198.36	
04 05 19 13-0216	Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)		
04 05 19 13-0217	CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	75.43	
	For Hot-Dipped Galvanized, Add	21.63	
	For Stainless Steel, Add	86.52	
04 05 19 13-0218	CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	78.23	
	For Hot-Dipped Galvanized, Add	21.93	
	For Stainless Steel, Add	87.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.61	
			<i>For Hot-Dipped Galvanized, Add</i>	22.56	
			<i>For Stainless Steel, Add</i>	90.22	
04 05 19 13-0220	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.94	
			<i>For Hot-Dipped Galvanized, Add</i>	23.35	
			<i>For Stainless Steel, Add</i>	93.38	
04 05 19 13-0221	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.18	
			<i>For Hot-Dipped Galvanized, Add</i>	24.18	
			<i>For Stainless Steel, Add</i>	96.70	
04 05 19 13-0222	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.97	
			<i>For Hot-Dipped Galvanized, Add</i>	24.75	
			<i>For Stainless Steel, Add</i>	98.98	
04 05 19 13-0223	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.26	
			<i>For Hot-Dipped Galvanized, Add</i>	25.35	
			<i>For Stainless Steel, Add</i>	101.40	
04 05 19 13-0224	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.74	
			<i>For Hot-Dipped Galvanized, Add</i>	35.24	
			<i>For Stainless Steel, Add</i>	140.96	
04 05 19 13-0225	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.14	
			<i>For Hot-Dipped Galvanized, Add</i>	36.79	
			<i>For Stainless Steel, Add</i>	147.16	
04 05 19 13-0226	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.57	
			<i>For Hot-Dipped Galvanized, Add</i>	69.51	
			<i>For Stainless Steel, Add</i>	278.02	
04 05 19 13-0227			Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.89	
			<i>For Hot-Dipped Galvanized, Add</i>	30.86	
			<i>For Stainless Steel, Add</i>	123.44	
04 05 19 13-0229	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	97.15	
			<i>For Hot-Dipped Galvanized, Add</i>	31.25	
			<i>For Stainless Steel, Add</i>	125.00	
04 05 19 13-0230	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.92	
			<i>For Hot-Dipped Galvanized, Add</i>	32.40	
			<i>For Stainless Steel, Add</i>	129.58	
04 05 19 13-0231	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.17	
			<i>For Hot-Dipped Galvanized, Add</i>	33.96	
			<i>For Stainless Steel, Add</i>	135.84	
04 05 19 13-0232	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.21	
			<i>For Hot-Dipped Galvanized, Add</i>	35.92	
			<i>For Stainless Steel, Add</i>	143.66	
04 05 19 13-0233	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.11	
			<i>For Hot-Dipped Galvanized, Add</i>	36.81	
			<i>For Stainless Steel, Add</i>	147.22	
04 05 19 13-0234	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.83	
			<i>For Hot-Dipped Galvanized, Add</i>	38.14	
			<i>For Stainless Steel, Add</i>	152.54	
04 05 19 13-0235	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.34	
			<i>For Hot-Dipped Galvanized, Add</i>	53.54	
			<i>For Stainless Steel, Add</i>	214.14	
04 05 19 13-0236	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.70	
			<i>For Hot-Dipped Galvanized, Add</i>	56.57	
			<i>For Stainless Steel, Add</i>	226.26	
04 05 19 13-0237	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	258.31	
			<i>For Hot-Dipped Galvanized, Add</i>	97.81	
			<i>For Stainless Steel, Add</i>	391.22	
04 05 19 13-0238			Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	82.26	
			<i>For Hot-Dipped Galvanized, Add</i>	25.05	
			<i>For Stainless Steel, Add</i>	100.18	
04 05 19 13-0240	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.55	
			<i>For Hot-Dipped Galvanized, Add</i>	25.59	
			<i>For Stainless Steel, Add</i>	102.36	
04 05 19 13-0241	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	89.92	
			<i>For Hot-Dipped Galvanized, Add</i>	26.22	
			<i>For Stainless Steel, Add</i>	104.86	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	95.09
	<i>For Hot-Dipped Galvanized, Add</i>	26.92
	<i>For Stainless Steel, Add</i>	107.68
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	101.06
	<i>For Hot-Dipped Galvanized, Add</i>	27.61
	<i>For Stainless Steel, Add</i>	110.44
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	105.39
	<i>For Hot-Dipped Galvanized, Add</i>	27.95
	<i>For Stainless Steel, Add</i>	111.78
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	108.62
	<i>For Hot-Dipped Galvanized, Add</i>	28.33
	<i>For Stainless Steel, Add</i>	113.32
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	122.65
	<i>For Hot-Dipped Galvanized, Add</i>	33.69
	<i>For Stainless Steel, Add</i>	134.76
04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	94.45
	<i>For Hot-Dipped Galvanized, Add</i>	31.14
	<i>For Stainless Steel, Add</i>	124.56
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	97.90
	<i>For Hot-Dipped Galvanized, Add</i>	31.77
	<i>For Stainless Steel, Add</i>	127.06
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	102.40
	<i>For Hot-Dipped Galvanized, Add</i>	32.46
	<i>For Stainless Steel, Add</i>	129.82
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	107.44
	<i>For Hot-Dipped Galvanized, Add</i>	33.10
	<i>For Stainless Steel, Add</i>	132.38
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	113.38
	<i>For Hot-Dipped Galvanized, Add</i>	33.77
	<i>For Stainless Steel, Add</i>	135.08
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	117.76
	<i>For Hot-Dipped Galvanized, Add</i>	34.14
	<i>For Stainless Steel, Add</i>	136.56
04 05 19 13-0254	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	120.92
	<i>For Hot-Dipped Galvanized, Add</i>	34.48
	<i>For Stainless Steel, Add</i>	137.90
04 05 19 13-0255	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	138.88
	<i>For Hot-Dipped Galvanized, Add</i>	41.81
	<i>For Stainless Steel, Add</i>	167.24
04 05 19 13-0256	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	175.26
	<i>For Hot-Dipped Galvanized, Add</i>	58.35
	<i>For Stainless Steel, Add</i>	233.40
04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	106.26
	<i>For Hot-Dipped Galvanized, Add</i>	37.05
	<i>For Stainless Steel, Add</i>	148.18
04 05 19 13-0259	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	111.27
	<i>For Hot-Dipped Galvanized, Add</i>	38.31
	<i>For Stainless Steel, Add</i>	153.24
04 05 19 13-0260	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	116.29
	<i>For Hot-Dipped Galvanized, Add</i>	39.58
	<i>For Stainless Steel, Add</i>	158.32
04 05 19 13-0261	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	123.42
	<i>For Hot-Dipped Galvanized, Add</i>	41.09
	<i>For Stainless Steel, Add</i>	164.34
04 05 19 13-0262	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	130.57
	<i>For Hot-Dipped Galvanized, Add</i>	42.60
	<i>For Stainless Steel, Add</i>	170.38
04 05 19 13-0263	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	136.29
	<i>For Hot-Dipped Galvanized, Add</i>	43.40
	<i>For Stainless Steel, Add</i>	173.58

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 05 19 13-0264	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.73	
				<i>For Hot-Dipped Galvanized, Add</i>	44.09	
				<i>For Stainless Steel, Add</i>	176.34	
	04 05 19 13-0265	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.20	
				<i>For Hot-Dipped Galvanized, Add</i>	45.47	
				<i>For Stainless Steel, Add</i>	181.86	
	04 05 19 13-0266	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	191.09	
				<i>For Hot-Dipped Galvanized, Add</i>	66.26	
				<i>For Stainless Steel, Add</i>	265.04	
	04 05 19 13-0267			Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0268	CLF		#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.33	
				<i>For Hot-Dipped Galvanized, Add</i>	39.08	
				<i>For Stainless Steel, Add</i>	156.32	
	04 05 19 13-0269	CLF		#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.62	
				<i>For Hot-Dipped Galvanized, Add</i>	39.63	
				<i>For Stainless Steel, Add</i>	158.50	
	04 05 19 13-0270	CLF		#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.99	
				<i>For Hot-Dipped Galvanized, Add</i>	40.25	
				<i>For Stainless Steel, Add</i>	161.00	
	04 05 19 13-0271	CLF		#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.17	
				<i>For Hot-Dipped Galvanized, Add</i>	40.96	
				<i>For Stainless Steel, Add</i>	163.84	
	04 05 19 13-0272	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.14	
				<i>For Hot-Dipped Galvanized, Add</i>	41.65	
				<i>For Stainless Steel, Add</i>	166.60	
	04 05 19 13-0273	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.47	
				<i>For Hot-Dipped Galvanized, Add</i>	41.99	
				<i>For Stainless Steel, Add</i>	167.94	
	04 05 19 13-0274	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.70	
				<i>For Hot-Dipped Galvanized, Add</i>	42.37	
				<i>For Stainless Steel, Add</i>	169.48	
	04 05 19 13-0275	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.73	
				<i>For Hot-Dipped Galvanized, Add</i>	47.73	
				<i>For Stainless Steel, Add</i>	190.92	
	04 05 19 13-0276	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	175.49	
				<i>For Hot-Dipped Galvanized, Add</i>	58.46	
				<i>For Stainless Steel, Add</i>	233.84	
	04 05 19 13-0277			Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
	04 05 19 13-0278	CLF		#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	245.06	
				<i>For Hot-Dipped Galvanized, Add</i>	90.36	
				<i>For Stainless Steel, Add</i>	361.42	
	04 05 19 13-0279	CLF		#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	251.97	
				<i>For Hot-Dipped Galvanized, Add</i>	91.61	
				<i>For Stainless Steel, Add</i>	366.42	
	04 05 19 13-0280	CLF		#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	260.96	
				<i>For Hot-Dipped Galvanized, Add</i>	92.99	
				<i>For Stainless Steel, Add</i>	371.94	
	04 05 19 13-0281	CLF		#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	271.04	
				<i>For Hot-Dipped Galvanized, Add</i>	94.27	
				<i>For Stainless Steel, Add</i>	377.08	
	04 05 19 13-0282	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	282.91	
				<i>For Hot-Dipped Galvanized, Add</i>	95.62	
				<i>For Stainless Steel, Add</i>	382.46	
	04 05 19 13-0283	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	291.68	
				<i>For Hot-Dipped Galvanized, Add</i>	96.36	
				<i>For Stainless Steel, Add</i>	385.42	
	04 05 19 13-0284	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	298.01	
				<i>For Hot-Dipped Galvanized, Add</i>	97.03	
				<i>For Stainless Steel, Add</i>	388.12	
	04 05 19 13-0285	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	333.91	
				<i>For Hot-Dipped Galvanized, Add</i>	111.69	
				<i>For Stainless Steel, Add</i>	446.76	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	406.66	
	<i>For Hot-Dipped Galvanized, Add</i>	144.77	
	<i>For Stainless Steel, Add</i>	579.08	
04 05 19 13-0287	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.33	
	<i>For Hot-Dipped Galvanized, Add</i>	51.08	
	<i>For Stainless Steel, Add</i>	204.32	
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.35	
	<i>For Hot-Dipped Galvanized, Add</i>	52.35	
	<i>For Stainless Steel, Add</i>	209.40	
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.36	
	<i>For Hot-Dipped Galvanized, Add</i>	53.62	
	<i>For Stainless Steel, Add</i>	214.46	
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	151.50	
	<i>For Hot-Dipped Galvanized, Add</i>	55.13	
	<i>For Stainless Steel, Add</i>	220.50	
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.64	
	<i>For Hot-Dipped Galvanized, Add</i>	56.63	
	<i>For Stainless Steel, Add</i>	226.52	
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.37	
	<i>For Hot-Dipped Galvanized, Add</i>	57.44	
	<i>For Stainless Steel, Add</i>	229.74	
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.81	
	<i>For Hot-Dipped Galvanized, Add</i>	58.13	
	<i>For Stainless Steel, Add</i>	232.50	
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.28	
	<i>For Hot-Dipped Galvanized, Add</i>	59.51	
	<i>For Stainless Steel, Add</i>	238.02	
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	219.16	
	<i>For Hot-Dipped Galvanized, Add</i>	80.30	
	<i>For Stainless Steel, Add</i>	321.18	
04 05 19 13-0297	Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0298	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	90.65	
	<i>For Hot-Dipped Galvanized, Add</i>	24.44	
	<i>For Stainless Steel, Add</i>	97.76	
04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	97.64	
	<i>For Hot-Dipped Galvanized, Add</i>	25.62	
	<i>For Stainless Steel, Add</i>	102.48	
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	105.29	
	<i>For Hot-Dipped Galvanized, Add</i>	27.12	
	<i>For Stainless Steel, Add</i>	108.48	
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	111.98	
	<i>For Hot-Dipped Galvanized, Add</i>	28.15	
	<i>For Stainless Steel, Add</i>	112.60	
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	116.02	
	<i>For Hot-Dipped Galvanized, Add</i>	29.01	
	<i>For Stainless Steel, Add</i>	116.02	
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	124.34	
	<i>For Hot-Dipped Galvanized, Add</i>	31.08	
	<i>For Stainless Steel, Add</i>	124.32	
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	132.19	
	<i>For Hot-Dipped Galvanized, Add</i>	33.15	
	<i>For Stainless Steel, Add</i>	132.60	
04 05 19 13-0306	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	105.88	
	<i>For Hot-Dipped Galvanized, Add</i>	32.06	
	<i>For Stainless Steel, Add</i>	128.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0308 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	112.90	
For Hot-Dipped Galvanized, Add	33.25	
For Stainless Steel, Add	133.00	
04 05 19 13-0309 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	120.49	
For Hot-Dipped Galvanized, Add	34.72	
For Stainless Steel, Add	138.88	
04 05 19 13-0310 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.20	
For Hot-Dipped Galvanized, Add	35.76	
For Stainless Steel, Add	143.04	
04 05 19 13-0311 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	131.15	
For Hot-Dipped Galvanized, Add	36.57	
For Stainless Steel, Add	146.28	
04 05 19 13-0312 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	139.50	
For Hot-Dipped Galvanized, Add	38.66	
For Stainless Steel, Add	154.64	
04 05 19 13-0313 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.42	
For Hot-Dipped Galvanized, Add	40.77	
For Stainless Steel, Add	163.06	
04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>		
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	120.00	
For Hot-Dipped Galvanized, Add	39.12	
For Stainless Steel, Add	156.46	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	128.33	
For Hot-Dipped Galvanized, Add	40.97	
For Stainless Steel, Add	163.86	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	138.07	
For Hot-Dipped Galvanized, Add	43.51	
For Stainless Steel, Add	174.04	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	145.46	
For Hot-Dipped Galvanized, Add	44.89	
For Stainless Steel, Add	179.56	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	150.56	
For Hot-Dipped Galvanized, Add	46.28	
For Stainless Steel, Add	185.10	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	160.96	
For Hot-Dipped Galvanized, Add	49.39	
For Stainless Steel, Add	197.56	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	169.82	
For Hot-Dipped Galvanized, Add	51.97	
For Stainless Steel, Add	207.86	
04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.12	
For Hot-Dipped Galvanized, Add	48.18	
For Stainless Steel, Add	192.70	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	143.43	
For Hot-Dipped Galvanized, Add	48.52	
For Stainless Steel, Add	194.06	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	150.44	
For Hot-Dipped Galvanized, Add	49.70	
For Stainless Steel, Add	198.78	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	160.53	
For Hot-Dipped Galvanized, Add	51.26	
For Stainless Steel, Add	205.04	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	168.41	
For Hot-Dipped Galvanized, Add	53.12	
For Stainless Steel, Add	212.46	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.63	
For Hot-Dipped Galvanized, Add	55.37	
For Stainless Steel, Add	221.48	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0330	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)	
04 05 19 13-0331	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	161.67
	<i>For Hot-Dipped Galvanized, Add</i>	59.95
	<i>For Stainless Steel, Add</i>	239.80
04 05 19 13-0332	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	167.31
	<i>For Hot-Dipped Galvanized, Add</i>	60.46
	<i>For Stainless Steel, Add</i>	241.82
04 05 19 13-0333	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.32
	<i>For Hot-Dipped Galvanized, Add</i>	61.64
	<i>For Stainless Steel, Add</i>	246.54
04 05 19 13-0334	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.35
	<i>For Hot-Dipped Galvanized, Add</i>	63.17
	<i>For Stainless Steel, Add</i>	252.68
04 05 19 13-0335	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	191.92
	<i>For Hot-Dipped Galvanized, Add</i>	64.87
	<i>For Stainless Steel, Add</i>	259.48
04 05 19 13-0336	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	199.07
	<i>For Hot-Dipped Galvanized, Add</i>	66.59
	<i>For Stainless Steel, Add</i>	266.36
04 05 19 13-0337	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)	
04 05 19 13-0338	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.58
	<i>For Hot-Dipped Galvanized, Add</i>	66.41
	<i>For Stainless Steel, Add</i>	265.62
04 05 19 13-0339	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	180.22
	<i>For Hot-Dipped Galvanized, Add</i>	66.91
	<i>For Stainless Steel, Add</i>	267.64
04 05 19 13-0340	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	188.57
	<i>For Hot-Dipped Galvanized, Add</i>	68.76
	<i>For Stainless Steel, Add</i>	275.04
04 05 19 13-0341	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	200.39
	<i>For Hot-Dipped Galvanized, Add</i>	71.19
	<i>For Stainless Steel, Add</i>	284.76
04 05 19 13-0342	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	210.69
	<i>For Hot-Dipped Galvanized, Add</i>	74.26
	<i>For Stainless Steel, Add</i>	297.02
04 05 19 13-0343	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	221.20
	<i>For Hot-Dipped Galvanized, Add</i>	77.66
	<i>For Stainless Steel, Add</i>	310.62
04 05 19 13-0344	Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)	
04 05 19 13-0345	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)	
04 05 19 13-0346	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	147.24
	<i>For Hot-Dipped Galvanized, Add</i>	50.42
	<i>For Stainless Steel, Add</i>	201.68
04 05 19 13-0347	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.59
	<i>For Hot-Dipped Galvanized, Add</i>	50.77
	<i>For Stainless Steel, Add</i>	203.08
04 05 19 13-0348	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	161.84
	<i>For Hot-Dipped Galvanized, Add</i>	51.92
	<i>For Stainless Steel, Add</i>	207.66
04 05 19 13-0349	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	169.11
	<i>For Hot-Dipped Galvanized, Add</i>	53.47
	<i>For Stainless Steel, Add</i>	213.86
04 05 19 13-0350	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.60
	<i>For Hot-Dipped Galvanized, Add</i>	55.36
	<i>For Stainless Steel, Add</i>	221.42
04 05 19 13-0351	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	183.03
	<i>For Hot-Dipped Galvanized, Add</i>	57.28
	<i>For Stainless Steel, Add</i>	229.10

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0352	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	170.72	
	<i>For Hot-Dipped Galvanized, Add</i>	62.16	
	<i>For Stainless Steel, Add</i>	248.64	
04 05 19 13-0354	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	176.38	
	<i>For Hot-Dipped Galvanized, Add</i>	62.67	
	<i>For Stainless Steel, Add</i>	250.66	
04 05 19 13-0355	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	185.70	
	<i>For Hot-Dipped Galvanized, Add</i>	63.85	
	<i>For Stainless Steel, Add</i>	255.38	
04 05 19 13-0356	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	192.97	
	<i>For Hot-Dipped Galvanized, Add</i>	65.40	
	<i>For Stainless Steel, Add</i>	261.58	
04 05 19 13-0357	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	200.08	
	<i>For Hot-Dipped Galvanized, Add</i>	67.10	
	<i>For Stainless Steel, Add</i>	268.38	
04 05 19 13-0358	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.71	
	<i>For Hot-Dipped Galvanized, Add</i>	69.12	
	<i>For Stainless Steel, Add</i>	276.46	
04 05 19 13-0359	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	183.65	
	<i>For Hot-Dipped Galvanized, Add</i>	68.63	
	<i>For Stainless Steel, Add</i>	274.50	
04 05 19 13-0361	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	189.28	
	<i>For Hot-Dipped Galvanized, Add</i>	69.12	
	<i>For Stainless Steel, Add</i>	276.46	
04 05 19 13-0362	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	200.01	
	<i>For Hot-Dipped Galvanized, Add</i>	71.00	
	<i>For Stainless Steel, Add</i>	284.00	
04 05 19 13-0363	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	209.00	
	<i>For Hot-Dipped Galvanized, Add</i>	73.41	
	<i>For Stainless Steel, Add</i>	293.64	
04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	218.81	
	<i>For Hot-Dipped Galvanized, Add</i>	76.46	
	<i>For Stainless Steel, Add</i>	305.84	
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	226.05	
	<i>For Hot-Dipped Galvanized, Add</i>	78.79	
	<i>For Stainless Steel, Add</i>	315.14	
04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.17	
	<i>For Hot-Dipped Galvanized, Add</i>	45.89	
	<i>For Stainless Steel, Add</i>	183.54	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	143.46	
	<i>For Hot-Dipped Galvanized, Add</i>	46.21	
	<i>For Stainless Steel, Add</i>	184.82	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.41	
	<i>For Hot-Dipped Galvanized, Add</i>	47.20	
	<i>For Stainless Steel, Add</i>	188.80	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	159.44	
	<i>For Hot-Dipped Galvanized, Add</i>	48.63	
	<i>For Stainless Steel, Add</i>	194.52	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.12	
	<i>For Hot-Dipped Galvanized, Add</i>	50.12	
	<i>For Stainless Steel, Add</i>	200.46	
	<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.35
	<i>For Hot-Dipped Galvanized, Add</i>	51.94
	<i>For Stainless Steel, Add</i>	207.74
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>	
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	159.80
	<i>For Hot-Dipped Galvanized, Add</i>	56.70
	<i>For Stainless Steel, Add</i>	226.80
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	165.33
	<i>For Hot-Dipped Galvanized, Add</i>	57.14
	<i>For Stainless Steel, Add</i>	228.56
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.11
	<i>For Hot-Dipped Galvanized, Add</i>	58.05
	<i>For Stainless Steel, Add</i>	232.20
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	181.01
	<i>For Hot-Dipped Galvanized, Add</i>	59.42
	<i>For Stainless Steel, Add</i>	237.66
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.65
	<i>For Hot-Dipped Galvanized, Add</i>	60.88
	<i>For Stainless Steel, Add</i>	243.52
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	193.47
	<i>For Hot-Dipped Galvanized, Add</i>	62.50
	<i>For Stainless Steel, Add</i>	249.98
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>	
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.87
	<i>For Hot-Dipped Galvanized, Add</i>	63.24
	<i>For Stainless Steel, Add</i>	252.94
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	178.50
	<i>For Hot-Dipped Galvanized, Add</i>	63.73
	<i>For Stainless Steel, Add</i>	254.90
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.00
	<i>For Hot-Dipped Galvanized, Add</i>	65.50
	<i>For Stainless Steel, Add</i>	261.98
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0385	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	197.78
	<i>For Hot-Dipped Galvanized, Add</i>	67.80
	<i>For Stainless Steel, Add</i>	271.20
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0386	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	207.32
	<i>For Hot-Dipped Galvanized, Add</i>	70.72
	<i>For Stainless Steel, Add</i>	282.86
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0387	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	216.38
	<i>For Hot-Dipped Galvanized, Add</i>	73.95
	<i>For Stainless Steel, Add</i>	295.80
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0388	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>	
04 05 19 13-0389	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0388)</small>	
04 05 19 13-0390	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	147.13
	<i>For Hot-Dipped Galvanized, Add</i>	48.04
	<i>For Stainless Steel, Add</i>	192.16
	<i>For Seismic Hook And Eye, Add</i>	27.50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0391 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	154.77	
<i>For Hot-Dipped Galvanized, Add</i>	48.38	
<i>For Stainless Steel, Add</i>	193.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.06	
<i>For Hot-Dipped Galvanized, Add</i>	49.44	
<i>For Stainless Steel, Add</i>	197.76	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	167.80	
<i>For Hot-Dipped Galvanized, Add</i>	50.96	
<i>For Stainless Steel, Add</i>	203.82	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	173.90	
<i>For Hot-Dipped Galvanized, Add</i>	52.71	
<i>For Stainless Steel, Add</i>	210.84	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0398)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	170.45	
<i>For Hot-Dipped Galvanized, Add</i>	59.70	
<i>For Stainless Steel, Add</i>	238.80	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	178.15	
<i>For Hot-Dipped Galvanized, Add</i>	60.07	
<i>For Stainless Steel, Add</i>	240.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	184.37	
<i>For Hot-Dipped Galvanized, Add</i>	61.10	
<i>For Stainless Steel, Add</i>	244.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	190.85	
<i>For Hot-Dipped Galvanized, Add</i>	62.48	
<i>For Stainless Steel, Add</i>	249.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	196.27	
<i>For Hot-Dipped Galvanized, Add</i>	63.90	
<i>For Stainless Steel, Add</i>	255.58	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0398)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	181.77	
<i>For Hot-Dipped Galvanized, Add</i>	65.36	
<i>For Stainless Steel, Add</i>	261.44	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	189.67	
<i>For Hot-Dipped Galvanized, Add</i>	65.83	
<i>For Stainless Steel, Add</i>	263.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	197.41	
<i>For Hot-Dipped Galvanized, Add</i>	67.62	
<i>For Stainless Steel, Add</i>	270.46	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	205.70	
<i>For Hot-Dipped Galvanized, Add</i>	69.91	
<i>For Stainless Steel, Add</i>	279.62	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0406 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	214.12	
<i>For Hot-Dipped Galvanized, Add</i>	72.82	
<i>For Stainless Steel, Add</i>	291.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 16 Masonry Anchors <small>(04 05 19)</small>		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.98	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.03	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.07	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.12	

04 Masonry
04 05 Common Work Results for Masonry
04 05 19 Masonry Anchorage and Reinforcing

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.18
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.07
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.12
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.18
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.23
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.90
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.92
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.94
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.00
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.94
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	0.97
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.00
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.03
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.90
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	0.93
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.01
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.05
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.05
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.11
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.17
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.20
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.85
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.85
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.92
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.93
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.94
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	0.97
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.00
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.04
04 05 19 16-0041		Wire Beam Ties (04 05 19 16)	
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.12
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.14
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.16
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.18
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.21
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.28
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.33
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.37
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.40
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.43
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.21
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.25
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.27
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.30
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.32
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.07
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.10
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.11
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.13
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.14
04 05 19 16-0067		Corrugated Buck (Brick) Anchors (04 05 19 16)	
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)	
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.42
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.46

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.50	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.55	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.59	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.45	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.50	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.55	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.60	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.64	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.26	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.29	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.32	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.36	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.39	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.29	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.32	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.36	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.39	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.43	
04 05 19 16-0090		Corrugated Wall Ties (04 05 19 16)		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	0.84	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	0.88	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	0.89	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	0.91	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.03	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	0.86	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	0.87	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	0.88	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	0.97	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.15	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.20	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.26	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.31	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.57	
04 05 19 16-0108		Wire Mesh Wall Ties (04 05 19 16)		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	1.57	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	1.85	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.16	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.67	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.59	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.05	
04 05 19 16-0115		Triangle Brick Ties (04 05 19 16)		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.41	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.43	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.45	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.51	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.52	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.60	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.64	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.74	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.61	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.62	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.64	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.69	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.71	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.78	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.81	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie.....	1.91	
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.31	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.32	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.33	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.37	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.38	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.43
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.45
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.48
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.43
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.44
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.45
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.50
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.51
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.57
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.60
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	1.65
04 05 19 16-0150		Seismic Veneer Anchors (04 05 19 16)	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor..... Note: For horizontal wire attachment. Excludes wire.	5.00
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors (04 05 19 16)	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	3.67
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	3.96
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	5.00
04 05 19 16-0156		Strap Partition Top Anchors (04 05 19 16)	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	2.23
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	5.27
04 05 19 16-0159		Rigid Partition Anchors (04 05 19 16)	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	1.88
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.00
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.16
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.30
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.43
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.57
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.44
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.87
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.32
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.76
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.20
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.64
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	1.76
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	1.87
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	1.97
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.08
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.19
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.30
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates (04 05 19 16)	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.21
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.26
04 05 19 16-0183		Wire Column Ties (04 05 19 16)	
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.41
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.48
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.54
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.61
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.47
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.54
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.58
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.63
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.79
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.92
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.00
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.12
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.92
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.00
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.08
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.16
04 05 19 16-0201		Mill Galvanized, Wire Column Ties (04 05 19 16-0183)	
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.28
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.40	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.30	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.34	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.37	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.41	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.56	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.65	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.68	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.77	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.53	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.66	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.72	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.77	
04 05 19 16-0218	Dovetail Anchors, Slots And Ties (04 05 19 16)	
04 05 19 16-0219	Dovetail Anchor Slots (04 05 19 16-0218)	
04 05 19 16-0220	Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.69	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.91	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.04	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.10	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.24	
04 05 19 16-0226	Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.26	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.53	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.60	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.69	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.75	
04 05 19 16-0232	304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.00	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.35	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.48	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.88	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.27	
04 05 19 16-0238	316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)	
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.28	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.55	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.82	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.17	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.37	
04 05 19 16-0244	Dovetail Corrugated Brick Ties (04 05 19 16-0218)	
04 05 19 16-0245	Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)	
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.07	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.14	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.21	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.21	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.31	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.12	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.21	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.30	
04 05 19 16-0255	Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)	
04 05 19 16-0256 EA 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.00	
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.05	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.09	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.04	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.13	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.20	
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.05	
04 05 19 16-0263 EA 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.16	
04 05 19 16-0264 EA 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.23	
04 05 19 16-0265	Dovetail Stone Anchors (04 05 19 16-0218)	
04 05 19 16-0266	Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)	
04 05 19 16-0267 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.21	
04 05 19 16-0268 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.29	
04 05 19 16-0269 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.36	

04 Masonry
04 05 Common Work Results for Masonry
04 05 19 Masonry Anchorage and Reinforcing

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0270		Dovetail Partition Top Anchors <small>(04 05 19 16-0218)</small>	
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.37
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.67
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0218)</small>	
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>	
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.74
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.83
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.89
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.96
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>	
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.61
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.62
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.66
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.76

04 05 19 26 Masonry Reinforcing Bars (04 05 19)

Note: Includes cutting and bending.

04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar <small>(04 05 19 26)</small>	
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.73
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.19
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.67
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.18
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.74
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.21
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.70
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.22
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.75
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.23
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.74
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.28
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.86
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.39
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.95
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.52
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.87
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.41
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.98
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.56
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.88
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.43
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.02
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.62
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar <small>(04 05 19 26)</small>	
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.83
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.37
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.97
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.60
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.84
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.39
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.00
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.64
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.86
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.42
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.04
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.70
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.96
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.57
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.25
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.94
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.97
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.59
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.28
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.98
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.99
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.62
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.32
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.04
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar <small>(04 05 19 26)</small>	
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.82
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.35
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.93
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.55
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.83

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.37	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.96	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.59	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.85	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.40	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.01	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.66	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.95	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.55	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.21	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.89	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.96	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.57	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.24	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.93	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.98	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.60	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.29	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.00	

04 05 23 Masonry Accessories (04 05)

04 05 23 13 Masonry Control and Expansion Joints (04 05 23)

04 05 23 13-0001 Masonry Control Joints (04 05 23 13)

04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	3.99	0.82
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	3.90	0.82
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	7.73	0.82

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.74	0.82
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.81	0.82
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.54	0.82
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.96	0.82
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.80	0.82

04 05 23 16 Masonry Embedded Flashing (04 05 23)

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.05	1.16
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.72	1.16
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.56	1.16
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.18	1.16

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.70	1.16
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.30	1.16
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.42	1.16
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.38	1.16

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.20	1.16
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.03	1.16
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.23	1.16
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.71	1.16

04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)

04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.06	1.08
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.54	1.08
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	6.90	1.08
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	8.09	1.08
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	8.59	1.08

04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.54	1.08
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.97	1.08
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.53	1.08
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	8.95	1.08
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	9.80	1.08

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 23 16-0030	1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0031	SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.11	1.08
04 05 23 16-0032	SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.61	1.08
04 05 23 16-0033	SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.95	1.08
04 05 23 16-0034	SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.13	1.08
04 05 23 16-0035	SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.64	1.08
04 05 23 16-0036	2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0037	SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.17	1.08
04 05 23 16-0038	SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	5.77	1.08
04 05 23 16-0039	SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.65	1.08
04 05 23 16-0040	SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.47	1.08
04 05 23 16-0041	SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	6.91	1.08
04 05 23 16-0042	2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043	SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	7.17	1.08
04 05 23 16-0044	SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.97	1.08
04 05 23 16-0045	2 Sides Glass Fabric, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
	Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	6.13	1.08
04 05 23 16-0047	SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	7.74	1.08
04 05 23 16-0048	Stainless Steel Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0049	Paper Backed 2 Sides, Stainless Steel Through Wall Flashing <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050	SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	5.17	1.08
04 05 23 16-0051	Polyvinyl Chloride (PVC) Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0052	SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.76	1.15
04 05 23 16-0053	SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	2.92	1.15
04 05 23 16-0054	SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.10	1.15
04 05 23 16-0055	SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	3.70	1.15

04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)

04 05 23 19-0001	Brick Vents, 4" Deep, With Insect Screen <small>(04 05 23 19)</small>		
	Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA 8-1/8" x 2-3/8" Aluminum Brick Vent	58.43	
04 05 23 19-0003	EA 8-1/8" x 4-3/4" Aluminum Brick Vent	72.52	
04 05 23 19-0004	EA 8-1/8" x 7-3/4" Aluminum Brick Vent	91.54	
04 05 23 19-0005	EA 12" x 2-3/8" Aluminum Brick Vent	71.64	
04 05 23 19-0006	EA 12" x 4-3/4" Aluminum Brick Vent	88.55	
04 05 23 19-0007	EA 12" x 7-3/4" Aluminum Brick Vent	112.10	
04 05 23 19-0008	EA 16-1/2" x 2-3/8" Aluminum Brick Vent	84.78	
04 05 23 19-0009	EA 16-1/2" x 4-3/4" Aluminum Brick Vent	114.98	
04 05 23 19-0010	EA 16-1/2" x 7-3/4" Aluminum Brick Vent	140.60	
04 05 23 19-0011	EA 24" x 2-3/8" Aluminum Brick Vent	115.40	
04 05 23 19-0012	EA 24" x 4-3/4" Aluminum Brick Vent	150.31	
04 05 23 19-0013	EA 24" x 7-3/4" Aluminum Brick Vent	185.00	

04 20 Unit Masonry (04)

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001	Brick Masonry <small>(04 21 13)</small>		
04 21 13 00-0002	SF Standard Size Red Brick, Running Bond	21.27	
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
	For Buff Or Gray, Add	0.84	
	For Common Or American Bond, Add	0.65	
	For English Bond, Add	1.30	
	For Flemish Bond, Add	2.69	
	For Stacked Bond, Add	1.88	
	For <10, Small Area Replacements (Individual Areas), Add	24.60	
	For Curved Wall, Add	3.25	
	For Corbels, Add	12.17	
	For Severe Weather (SW) Brick, Add	0.76	
	For Glazed Brick, Add	17.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0003 SF Engineer Standard Size Red Brick, Running Bond.....22.11 Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF) For Buff Or Gray, Add 1.04 For Common Or American Bond, Add 0.63 For English Bond, Add 1.27 For Flemish Bond, Add 2.69 For Stacked Bond, Add 1.90 For <10, Small Area Replacements (Individual Areas), Add 24.10 For Curved Wall, Add 3.17 For Corbels, Add 11.90 For Severe Weather (SW) Brick, Add 0.94 For Glazed Brick, Add 21.88		
04 21 13 00-0004 SF Modular Size Red Brick, Running Bond.....21.27 Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF) For Buff Or Gray, Add 0.84 For Common Or American Bond, Add 0.65 For English Bond, Add 1.30 For Flemish Bond, Add 2.69 For Stacked Bond, Add 1.88 For <10, Small Area Replacements (Individual Areas), Add 24.60 For Curved Wall, Add 3.25 For Corbels, Add 12.17 For Severe Weather (SW) Brick, Add 0.76 For Glazed Brick, Add 17.64		
04 21 13 00-0005 SF Engineer Modular Size Red Brick, Running Bond .....22.11 Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF) For Buff Or Gray, Add 1.04 For Common Or American Bond, Add 0.63 For English Bond, Add 1.27 For Flemish Bond, Add 2.69 For Stacked Bond, Add 1.90 For <10, Small Area Replacements (Individual Areas), Add 24.10 For Curved Wall, Add 3.17 For Corbels, Add 11.90 For Severe Weather (SW) Brick, Add 0.94 For Glazed Brick, Add 21.88		
04 21 13 00-0006 SF Economy Size Red Brick, Running Bond.....21.94 Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF) For Buff Or Gray, Add 1.01 For Common Or American Bond, Add 0.63 For English Bond, Add 1.27 For Flemish Bond, Add 2.68 For Stacked Bond, Add 1.89 For <10, Small Area Replacements (Individual Areas), Add 24.09 For Curved Wall, Add 3.17 For Corbels, Add 11.90 For Severe Weather (SW) Brick, Add 0.91 For Glazed Brick, Add 21.28		
04 21 13 00-0007 SF Utility Size Red Brick, Running Bond.....16.29 Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF) For Buff Or Gray, Add 0.87 For Common Or American Bond, Add 0.44 For English Bond, Add 0.89 For Flemish Bond, Add 1.92 For Stacked Bond, Add 1.37 For <10, Small Area Replacements (Individual Areas), Add 16.88 For Curved Wall, Add 2.22 For Corbels, Add 8.31 For Severe Weather (SW) Brick, Add 0.78 For Glazed Brick, Add 18.24		
04 21 13 00-0008 SF Double Utility Size Red Brick, Running Bond.....14.73 Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF) For Buff Or Gray, Add 0.61 For Common Or American Bond, Add 0.44 For English Bond, Add 0.89 For Flemish Bond, Add 1.84 For Stacked Bond, Add 1.29 For <10, Small Area Replacements (Individual Areas), Add 16.80 For Curved Wall, Add 2.22 For Corbels, Add 8.31 For Severe Weather (SW) Brick, Add 0.55 For Glazed Brick, Add 12.78		
04 21 13 00-0009 SF Norman Size Red Brick, Running Bond.....22.42 Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF) For Buff Or Gray, Add 1.09 For Common Or American Bond, Add 0.63 For English Bond, Add 1.27 For Flemish Bond, Add 2.71 For Stacked Bond, Add 1.91 For <10, Small Area Replacements (Individual Areas), Add 24.12 For Curved Wall, Add 3.17 For Corbels, Add 11.90 For Severe Weather (SW) Brick, Add 0.98 For Glazed Brick, Add 22.96		

04 Masonry
04 20 Unit Masonry
04 21 Clay Unit Masonry

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0010	SF		Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	23.80	
			<i>For Buff Or Gray, Add</i>	1.32	
			<i>For Common Or American Bond, Add</i>	0.63	
			<i>For English Bond, Add</i>	1.27	
			<i>For Flemish Bond, Add</i>	2.78	
			<i>For Stacked Bond, Add</i>	1.98	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.19	
			<i>For Curved Wall, Add</i>	3.17	
			<i>For Corbels, Add</i>	11.90	
			<i>For Severe Weather (SW) Brick, Add</i>	1.19	
			<i>For Glazed Brick, Add</i>	27.79	
04 21 13 00-0011			Fire Brick <small>(04 21 13)</small>		
04 21 13 00-0012	SF		Running Bond, Red Fire Brick..... <i>For Buff Or Gray, Add</i>	25.18	1.55
			<i>For Common Or American Bond, Add</i>	0.63	
			<i>For English Bond, Add</i>	1.27	
			<i>For Flemish Bond, Add</i>	2.85	
			<i>For Stacked Bond, Add</i>	2.05	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.26	
04 21 13 00-0013			Window Sill <small>(04 21 13)</small>		
04 21 13 00-0014	LF		Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	18.90	
			<i>For Buff Or Gray, Add</i>	0.19	
04 21 13 00-0015	LF		Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	19.04	
			<i>For Buff Or Gray, Add</i>	0.22	
04 21 13 00-0016	LF		Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	18.90	
			<i>For Buff Or Gray, Add</i>	0.19	
04 21 13 00-0017	LF		Engineer Modular Size Red Brick, Window Sill..... Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	19.13	
			<i>For Buff Or Gray, Add</i>	0.23	
04 21 13 00-0018	LF		Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	19.73	
			<i>For Buff Or Gray, Add</i>	0.33	
04 21 13 00-0019	LF		Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	19.85	
			<i>For Buff Or Gray, Add</i>	0.35	
04 21 13 00-0020	LF		Double Utility Size Red Brick, Window Sill..... Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	19.85	
			<i>For Buff Or Gray, Add</i>	0.35	
04 21 13 00-0021	LF		Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	19.21	
			<i>For Buff Or Gray, Add</i>	0.24	
04 21 13 00-0022	LF		Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	19.27	
			<i>For Buff Or Gray, Add</i>	0.25	
04 21 26			Glazed Structural Clay Tile Masonry <small>(04 21)</small>		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	27.38	
			<i>For Stacked Bond, Add</i>	1.75	
04 21 26 00-0004	SF		4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	30.83	
			<i>For Stacked Bond, Add</i>	1.75	
04 21 26 00-0005	SF		6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	37.86	
			<i>For Stacked Bond, Add</i>	1.83	
04 21 26 00-0006			Special Shapes 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>		
04 21 26 00-0007	LF		Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	28.50	
			<i>For Stacked Bond, Add</i>	2.07	
04 21 26 00-0008	LF		2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	34.24	
			<i>For Stacked Bond, Add</i>	2.07	
04 21 26 00-0009			8W Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0010			Glazed On One Side 8W Series Structural Glazed Clay Tile <small>(04 21 26 00-0009)</small>		
04 21 26 00-0011	SF		2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	21.67	
			<i>For Stacked Bond, Add</i>	1.11	
04 21 26 00-0012	SF		4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	27.10	
			<i>For Stacked Bond, Add</i>	1.19	
04 21 26 00-0013	SF		6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	37.69	
			<i>For Stacked Bond, Add</i>	1.27	
04 21 26 00-0014			Special Shapes 8W Series Structural Glazed Clay Tile <small>(04 21 26 00-0009)</small>		
04 21 26 00-0015	LF		Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile.....	29.70	
			<i>For Stacked Bond, Add</i>	1.43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	29.66 1.43	
04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	28.67 1.75	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	30.39 1.75	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	38.08 1.83	
04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	29.55 2.07	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	34.15 2.07	
04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	29.63	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	32.03	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	37.38	
04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	33.43	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	37.81	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile.....	44.82	
04 21 29 Terra Cotta Masonry (04 21)		
04 21 29 00-0001 Coping (04 21 29) Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002 SF Terra Cotta Coping	88.40	33.90
04 22 Concrete Unit Masonry (04 20) Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.		
04 22 23 Architectural Concrete Unit Masonry (04 22)		
04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)		
04 22 23 13-0001 Concrete Blocks (04 22 23 13)		
04 22 23 13-0002 Lightweight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0003 Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0004 SF 4" x 8" x 16", Cored, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	9.49 2.19 0.21 1.69 12.74	
04 22 23 13-0005 SF 6" x 8" x 16", Cored, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.46 2.37 0.27 1.83 13.79	
04 22 23 13-0006 SF 8" x 8" x 16", Cored, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	11.31 2.55 0.30 1.96 14.83	
04 22 23 13-0007 SF 10" x 8" x 16", Cored, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.26 2.67 0.40 2.05 15.54	
04 22 23 13-0008 SF 12" x 8" x 16", Cored, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	14.82 3.29 0.43 2.53 19.17	
04 22 23 13-0009 Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0010 SF 4" x 8" x 16", Solid, Lightweight, Concrete Block <i>For Stacked Bond, Add</i> <i>For Scored Block, Add</i> <i>For Curved Wall Application, Add</i> <i>For <10, Small Area Replacements (Individual Areas), Add</i>	10.06 2.25 0.28 1.73 13.10	

04 Masonry
04 20 Unit Masonry
04 22 Concrete Unit Masonry

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	11.04	
	For Stacked Bond, Add	2.48	
	For Scored Block, Add	0.30	
	For Curved Wall Application, Add	1.90	
	For <10, Small Area Replacements (Individual Areas), Add	14.39	
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	11.68	
	For Stacked Bond, Add	2.63	
	For Scored Block, Add	0.31	
	For Curved Wall Application, Add	2.02	
	For <10, Small Area Replacements (Individual Areas), Add	15.28	
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	12.75	
	For Stacked Bond, Add	2.75	
	For Scored Block, Add	0.43	
	For Curved Wall Application, Add	2.12	
	For <10, Small Area Replacements (Individual Areas), Add	16.05	
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	15.40	
	For Stacked Bond, Add	3.40	
	For Scored Block, Add	0.46	
	For Curved Wall Application, Add	2.62	
	For <10, Small Area Replacements (Individual Areas), Add	19.81	
04 22 23 13-0015	Normal Weight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0016	Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block	9.71	
	For Stacked Bond, Add	2.25	
	For Scored Block, Add	0.21	
	For Curved Wall Application, Add	1.73	
	For <10, Small Area Replacements (Individual Areas), Add	13.07	
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block	10.72	
	For Stacked Bond, Add	2.48	
	For Scored Block, Add	0.24	
	For Curved Wall Application, Add	1.90	
	For <10, Small Area Replacements (Individual Areas), Add	14.37	
04 22 23 13-0019	SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block	11.49	
	For Stacked Bond, Add	2.63	
	For Scored Block, Add	0.28	
	For Curved Wall Application, Add	2.02	
	For <10, Small Area Replacements (Individual Areas), Add	15.27	
04 22 23 13-0020	SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block	13.25	
	For Stacked Bond, Add	2.75	
	For Scored Block, Add	0.53	
	For Curved Wall Application, Add	2.12	
	For <10, Small Area Replacements (Individual Areas), Add	16.08	
04 22 23 13-0021	SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block	15.84	
	For Stacked Bond, Add	3.40	
	For Scored Block, Add	0.55	
	For Curved Wall Application, Add	2.62	
	For <10, Small Area Replacements (Individual Areas), Add	19.84	
04 22 23 13-0022	Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0023	SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block	10.22	
	For Stacked Bond, Add	2.31	
	For Scored Block, Add	0.27	
	For Curved Wall Application, Add	1.78	
	For <10, Small Area Replacements (Individual Areas), Add	13.43	
04 22 23 13-0024	SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block	11.04	
	For Stacked Bond, Add	2.55	
	For Scored Block, Add	0.25	
	For Curved Wall Application, Add	1.96	
	For <10, Small Area Replacements (Individual Areas), Add	14.81	
04 22 23 13-0025	SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block	11.85	
	For Stacked Bond, Add	2.71	
	For Scored Block, Add	0.29	
	For Curved Wall Application, Add	2.08	
	For <10, Small Area Replacements (Individual Areas), Add	15.74	
04 22 23 13-0026	SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block	12.84	
	For Stacked Bond, Add	2.84	
	For Scored Block, Add	0.38	
	For Curved Wall Application, Add	2.19	
	For <10, Small Area Replacements (Individual Areas), Add	16.54	
04 22 23 13-0027	SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block	15.55	
	For Stacked Bond, Add	3.52	
	For Scored Block, Add	0.40	
	For Curved Wall Application, Add	2.71	
	For <10, Small Area Replacements (Individual Areas), Add	20.48	
04 22 23 13-0028	Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0029	Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
	Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	10.77	
	For Stacked Bond, Add	2.37	
	For Grout And Fill With 2 #5 Rebar, Add	6.21	
	For Scored Block, Add	0.33	
	For Curved Wall Application, Add	1.83	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	11.79	
		<i>For Stacked Bond, Add</i>	2.55	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.89	
		<i>For Scored Block, Add</i>	0.40	
		<i>For Curved Wall Application, Add</i>	1.96	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	14.78	
		<i>For Stacked Bond, Add</i>	3.29	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.45	
		<i>For Scored Block, Add</i>	0.42	
		<i>For Curved Wall Application, Add</i>	2.53	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)
 Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	10.93	
		<i>For Stacked Bond, Add</i>	2.48	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.17	
		<i>For Scored Block, Add</i>	0.28	
		<i>For Curved Wall Application, Add</i>	1.90	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	11.86	
		<i>For Stacked Bond, Add</i>	2.63	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.81	
		<i>For Scored Block, Add</i>	0.35	
		<i>For Curved Wall Application, Add</i>	2.02	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	14.97	
		<i>For Stacked Bond, Add</i>	3.40	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	8.43	
		<i>For Scored Block, Add</i>	0.38	
		<i>For Curved Wall Application, Add</i>	2.62	

04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)

04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	12.27	
		<i>For Stacked Bond, Add</i>	2.75	
		<i>For Scored Block, Add</i>	0.34	
		<i>For Curved Wall Application, Add</i>	2.12	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.01	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	13.83	
		<i>For Stacked Bond, Add</i>	3.10	
		<i>For Scored Block, Add</i>	0.38	
		<i>For Curved Wall Application, Add</i>	2.38	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.01	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	14.84	
		<i>For Stacked Bond, Add</i>	3.27	
		<i>For Scored Block, Add</i>	0.45	
		<i>For Curved Wall Application, Add</i>	2.52	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.04	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	15.84	
		<i>For Stacked Bond, Add</i>	3.47	
		<i>For Scored Block, Add</i>	0.50	
		<i>For Curved Wall Application, Add</i>	2.67	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	20.20	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	19.10	
		<i>For Stacked Bond, Add</i>	4.26	
		<i>For Scored Block, Add</i>	0.55	
		<i>For Curved Wall Application, Add</i>	3.27	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.76	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)

04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	15.23	
		<i>For Stacked Bond, Add</i>	2.75	
		<i>For Curved Wall Application, Add</i>	2.12	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.23	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	16.94	
		<i>For Stacked Bond, Add</i>	2.99	
		<i>For Curved Wall Application, Add</i>	2.30	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	17.66	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	19.29	
		<i>For Stacked Bond, Add</i>	3.27	
		<i>For Curved Wall Application, Add</i>	2.52	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.37	

04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)

04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	12.47	
		<i>For Stacked Bond, Add</i>	2.75	
		<i>For Curved Wall Application, Add</i>	2.12	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	16.03	

04 Masonry
04 20 Unit Masonry
04 22 Concrete Unit Masonry

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	14.06	
	For Stacked Bond, Add	3.10	
	For Curved Wall Application, Add	2.38	
	For <10, Small Area Replacements (Individual Areas), Add	18.03	
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	15.11	
	For Stacked Bond, Add	3.27	
	For Curved Wall Application, Add	2.52	
	For <10, Small Area Replacements (Individual Areas), Add	19.06	
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	16.15	
	For Stacked Bond, Add	3.47	
	For Curved Wall Application, Add	2.67	
	For <10, Small Area Replacements (Individual Areas), Add	20.22	
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	19.08	
	For Stacked Bond, Add	4.26	
	For Curved Wall Application, Add	3.27	
	For <10, Small Area Replacements (Individual Areas), Add	24.76	
04 22 23 29-0008	Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	12.94	
	For Stacked Bond, Add	2.75	
	For Grout And Fill With 2 #5 Rebar, Add	7.65	
	For Curved Wall Application, Add	2.12	
	For <10, Small Area Replacements (Individual Areas), Add	16.06	
04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	14.60	
	For Stacked Bond, Add	3.10	
	For Grout And Fill With 2 #5 Rebar, Add	8.65	
	For Curved Wall Application, Add	2.38	
	For <10, Small Area Replacements (Individual Areas), Add	18.07	
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	15.74	
	For Stacked Bond, Add	3.27	
	For Grout And Fill With 2 #5 Rebar, Add	9.45	
	For Curved Wall Application, Add	2.52	
	For <10, Small Area Replacements (Individual Areas), Add	19.11	
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	16.86	
	For Stacked Bond, Add	3.47	
	For Grout And Fill With 2 #5 Rebar, Add	10.19	
	For Curved Wall Application, Add	2.67	
	For <10, Small Area Replacements (Individual Areas), Add	20.27	
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.76	
	For Stacked Bond, Add	4.26	
	For Grout And Fill With 2 #5 Rebar, Add	11.58	
	For Curved Wall Application, Add	3.27	
	For <10, Small Area Replacements (Individual Areas), Add	24.81	
04 22 23 29-0014	Split Rib, Concrete Block (04 22 23 29)		
04 22 23 29-0015	Split Rib, Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block	12.32	
	For Stacked Bond, Add	2.75	
	For Curved Wall Application, Add	2.12	
	For <10, Small Area Replacements (Individual Areas), Add	16.01	
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block	14.41	
	For Stacked Bond, Add	3.10	
	For Curved Wall Application, Add	2.38	
	For <10, Small Area Replacements (Individual Areas), Add	18.05	
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block	15.29	
	For Stacked Bond, Add	3.27	
	For Curved Wall Application, Add	2.52	
	For <10, Small Area Replacements (Individual Areas), Add	19.07	
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block	16.30	
	For Stacked Bond, Add	3.47	
	For Curved Wall Application, Add	2.67	
	For <10, Small Area Replacements (Individual Areas), Add	20.23	
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block	19.62	
	For Stacked Bond, Add	4.26	
	For Curved Wall Application, Add	3.27	
	For <10, Small Area Replacements (Individual Areas), Add	24.80	
04 22 23 31	Glazed Concrete Masonry Unit (04 22 23)		
04 22 23 31-0001	One Glazed Face, Concrete Blocks (04 22 23 31)		
04 22 23 31-0002	One Glazed Face, Concrete Blocks (04 22 23 31-0001)		
04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block	18.58	
	For Stacked Bond, Add	2.67	
	For Curved Wall Application, Add	2.05	
	For <10, Small Area Replacements (Individual Areas), Add	16.01	
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block	20.02	
	For Stacked Bond, Add	2.94	
	For Curved Wall Application, Add	2.26	
	For <10, Small Area Replacements (Individual Areas), Add	17.60	
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block	21.18	
	For Stacked Bond, Add	3.10	
	For Curved Wall Application, Add	2.38	
	For <10, Small Area Replacements (Individual Areas), Add	18.56	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	22.42	
		<i>For Stacked Bond, Add</i>	3.27	
		<i>For Curved Wall Application, Add</i>	2.52	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.61	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	25.73	
		<i>For Stacked Bond, Add</i>	4.01	
		<i>For Curved Wall Application, Add</i>	3.08	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.89	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks (04 22 23 31)

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	24.06	
		<i>For Stacked Bond, Add</i>	3.04	
		<i>For Curved Wall Application, Add</i>	2.34	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.48	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	25.35	
		<i>For Stacked Bond, Add</i>	3.27	
		<i>For Curved Wall Application, Add</i>	2.52	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.83	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	27.22	
		<i>For Stacked Bond, Add</i>	3.61	
		<i>For Curved Wall Application, Add</i>	2.78	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	21.85	

04 23 Glass Unit Masonry (04 20)

04 23 13 Vertical Glass Unit Masonry (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block.....	51.01	
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	8.41	
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	4.80	
		<i>For Sculptured Or Patterned Blocks, Add</i>	8.41	
		<i>For Colored Glass, Add</i>	24.02	
		<i>For Thinline Block, Deduct</i>	-6.01	
		<i>For >1,000 To 5,000, Deduct</i>	-3.89	
		<i>For >5,000, Deduct</i>	-6.43	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block.....	36.85	
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	5.95	
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	3.40	
		<i>For Sculptured Or Patterned Blocks, Add</i>	5.95	
		<i>For Colored Glass, Add</i>	17.00	
		<i>For Thinline Block, Deduct</i>	-4.25	
		<i>For >1,000 To 5,000, Deduct</i>	-2.82	
		<i>For >5,000, Deduct</i>	-4.66	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block.....	39.99	
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	7.61	
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	4.35	
		<i>For Sculptured Or Patterned Blocks, Add</i>	7.61	
		<i>For Colored Glass, Add</i>	21.73	
		<i>For Thinline Block, Deduct</i>	-5.43	
		<i>For >1,000 To 5,000, Deduct</i>	-2.90	
		<i>For >5,000, Deduct</i>	-4.90	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®).....	429.77	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®).....	327.69	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®).....	226.82	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®).....	159.17	

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 42 Exterior Stone Cladding (04 40)

04 42 43 Stone Panels for Curtain Walls (04 42)

04 42 43 00-0001 Smooth Limestone Panels (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0002	SF	1-1/2" Thick Smooth Limestone Panels.....	50.64	28.16
04 42 43 00-0003	SF	2" Thick Smooth Limestone Panels.....	53.78	29.52
04 42 43 00-0004	SF	3" Thick Smooth Limestone Panels.....	57.09	30.88
04 42 43 00-0005	SF	4" Thick Smooth Limestone Panels.....	66.52	33.95

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001 Limestone (04 43 16)

04 43 16 00-0002 Limestone Coping (04 43 16 00-0001)

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 Masonry
04 40 Stone Assemblies
04 43 Stone Masonry

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0003	SF		2-1/2" Thick Limestone Coping.....	25.60	7.25
04 43 16 00-0004	SF		3" Thick Limestone Coping.....	28.73	7.70
04 43 16 00-0005	SF		3-1/2" Thick Limestone Coping.....	31.86	8.15
04 43 16 00-0006	SF		4" Thick Limestone Coping.....	34.08	8.42
04 43 16 00-0007	SF		5" Thick Limestone Coping.....	39.43	8.61
04 43 16 00-0008	SF		6" Thick Limestone Coping.....	57.86	9.05
04 43 16 00-0009	CF		>6" Thick Limestone Coping.....	95.90	18.92
04 43 16 00-0010			Limestone Items (04 43 16 00-0001)		
04 43 16 00-0011	CF		Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	163.40	70.96
04 43 16 00-0012			Granite (04 43 16)		
04 43 16 00-0013			Granite Stair Treads (04 43 16 00-0012)		
04 43 16 00-0014	SF		2" Thick Granite Stair Tread.....	51.90	6.79
04 43 16 00-0015			Slate (04 43 16)		
04 43 16 00-0016			Slate Stair Treads (04 43 16 00-0015)		
04 43 16 00-0017	SF		2" Thick Slate Stair Tread.....	36.19	6.79
04 43 16 00-0018			Slate Panels Or Sills (04 43 16 00-0015)		
04 43 16 00-0019	SF		1" Thick Slate Panels.....	52.39	28.34
04 43 16 00-0020	SF		2" Thick Slate Panels.....	61.87	28.34
04 43 16 00-0021			Slate Sills Or Stools (04 43 16 00-0015)		
04 43 16 00-0022	LF		6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	24.47	12.54
04 43 16 00-0023	LF		10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	30.49	12.54
04 43 16 00-0024	LF		6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	29.64	12.54
04 43 16 00-0025	LF		10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	42.56	12.54
04 43 16 00-0026			Bluestone (04 43 16)		
04 43 16 00-0027			Bluestone Stair Treads (04 43 16 00-0026)		
04 43 16 00-0028			1" Thick, Bluestone Stair Treads (04 43 16 00-0027)		
04 43 16 00-0029	LF		8" Depth, 1" Thick, Bluestone Stair Tread.....	26.89	5.14
04 43 16 00-0030	LF		10" Depth, 1" Thick, Bluestone Stair Tread.....	28.70	5.43
04 43 16 00-0031	LF		12" Depth, 1" Thick, Bluestone Stair Tread.....	30.36	5.73
04 43 16 00-0032	LF		14" Depth, 1" Thick, Bluestone Stair Tread.....	33.90	6.04
04 43 16 00-0033	LF		16" Depth, 1" Thick, Bluestone Stair Tread.....	37.46	6.34
04 43 16 00-0034	LF		18" Depth, 1" Thick, Bluestone Stair Tread.....	41.12	6.63
04 43 16 00-0035			1-1/2" Thick, Bluestone Stair Treads (04 43 16 00-0027)		
04 43 16 00-0036	LF		8" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	29.45	5.73
04 43 16 00-0037	LF		10" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	31.27	6.04
04 43 16 00-0038	LF		12" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	32.93	6.34
04 43 16 00-0039	LF		14" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	36.59	6.63
04 43 16 00-0040	LF		16" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	40.28	6.94
04 43 16 00-0041	LF		18" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	44.06	7.25
04 43 16 00-0042			2" Thick, Bluestone Stair Treads (04 43 16 00-0027)		
04 43 16 00-0043	LF		8" Depth, 2" Thick, Bluestone Stair Tread.....	32.55	6.34
04 43 16 00-0044	LF		10" Depth, 2" Thick, Bluestone Stair Tread.....	33.75	6.63
04 43 16 00-0045	LF		12" Depth, 2" Thick, Bluestone Stair Tread.....	35.94	6.94
04 43 16 00-0046	LF		14" Depth, 2" Thick, Bluestone Stair Tread.....	39.97	7.25
04 43 16 00-0047	LF		16" Depth, 2" Thick, Bluestone Stair Tread.....	44.28	7.54
04 43 16 00-0048	LF		18" Depth, 2" Thick, Bluestone Stair Tread.....	47.90	7.85
04 43 16 00-0049			Bluestone Coping (04 43 16 00-0026)		
04 43 16 00-0050	SF		2" Thick Bluestone Coping.....	37.81	7.25
04 43 16 00-0051	SF		3" Thick Bluestone Coping.....	84.88	7.25
04 50 Refractory Masonry (04)					
04 51 Flue Liner Masonry (04 50)					
Note: Includes mortar joints.					
04 51 00 00-0001			Rectangular Flue Liners (04 51)		
04 51 00 00-0002	VLF		4" x 8" Clay Flue Liners.....	17.21	
04 51 00 00-0003	VLF		8" x 8" Clay Flue Liners.....	24.10	
04 51 00 00-0004	VLF		8" x 12" Clay Flue Liners.....	27.37	
04 51 00 00-0005	VLF		12" x 12" Clay Flue Liners.....	34.14	
04 51 00 00-0006	VLF		12" x 16" Clay Flue Liners.....	42.08	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 51 00 00-0007	VLF	12"	x 18"	Clay Flue Liners.....	48.00	
04 51 00 00-0008	VLF	16"	x 16"	Clay Flue Liners.....	52.23	
04 51 00 00-0009	VLF	16"	x 20"	Clay Flue Liners.....	64.94	
04 51 00 00-0010	VLF	18"	x 18"	Clay Flue Liners.....	69.45	
04 51 00 00-0011	VLF	20"	x 20"	Clay Flue Liners.....	89.90	
04 51 00 00-0012	VLF	20"	x 24"	Clay Flue Liners.....	97.97	
04 51 00 00-0013	VLF	24"	x 24"	Clay Flue Liners.....	116.55	

04 51 00 00-0014 Round Flue Liners (04 51)

04 51 00 00-0015	VLF	6"	Diameter Clay Flue Liners.....		43.00	
04 51 00 00-0016	VLF	8"	Diameter Clay Flue Liners.....		63.46	
04 51 00 00-0017	VLF	10"	Diameter Clay Flue Liners.....		83.97	
04 51 00 00-0018	VLF	12"	Diameter Clay Flue Liners.....		102.57	
04 51 00 00-0019	VLF	15"	Diameter Clay Flue Liners.....		126.27	
04 51 00 00-0020	VLF	18"	Diameter Clay Flue Liners.....		136.53	
04 51 00 00-0021	VLF	21"	Diameter Clay Flue Liners.....		174.47	
04 51 00 00-0022	VLF	24"	Diameter Clay Flue Liners.....		214.45	
04 51 00 00-0023	VLF	27"	Diameter Clay Flue Liners.....		247.57	
04 51 00 00-0024	VLF	30"	Diameter Clay Flue Liners.....		281.66	
04 51 00 00-0025	VLF	33"	Diameter Clay Flue Liners.....		295.04	
04 51 00 00-0026	VLF	36"	Diameter Clay Flue Liners.....		301.33	

04 51 00 00-0027 Standard Chimney Block (04 51)

Note: Includes refractory mortar. Excludes flue liners.

04 51 00 00-0028	EA	14"	x 14" x 8" Concrete Block Chimney Unit.....		25.36	
04 51 00 00-0029	EA	14"	x 18" x 8" Concrete Block Chimney Unit.....		27.63	
04 51 00 00-0030	EA	16"	x 16" x 8" Concrete Block Chimney Unit.....		27.81	
04 51 00 00-0031	EA	17"	x 17" x 8" Concrete Block Chimney Unit.....		29.17	
04 51 00 00-0032	EA	16"	x 20" x 8" Concrete Block Chimney Unit.....		30.67	
04 51 00 00-0033	EA	17"	x 21" x 8" Concrete Block Chimney Unit.....		32.28	
04 51 00 00-0034	EA	21"	x 21" x 8" Concrete Block Chimney Unit.....		36.39	

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001 Precast Concrete Lintels (04 72)

04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)

04 72 00 00-0003	LF	4"	x 8", Solid Precast Concrete Lintel.....		13.56	
04 72 00 00-0004	LF	6"	x 8", Solid Precast Concrete Lintel.....		17.07	
04 72 00 00-0005	LF	8"	x 8", Solid Precast Concrete Lintel.....		20.92	

04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6"	x 8", U Shaped Precast Concrete Lintel.....		14.53	
04 72 00 00-0008	LF	8"	x 8", U Shaped Precast Concrete Lintel.....		17.48	
04 72 00 00-0009	LF	12"	x 8", U Shaped Precast Concrete Lintel.....		28.12	

04 72 00 00-0010 Precast Concrete Coping (04 72)

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.

04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)

Note: Measured at highest point.

04 72 00 00-0012	SF	2"	Thick Precast Concrete Coping.....		36.05	10.25
04 72 00 00-0013	SF	2-1/2"	Thick Precast Concrete Coping.....		39.40	11.04
04 72 00 00-0014	SF	3"	Thick Precast Concrete Coping.....		44.87	11.82
04 72 00 00-0015	SF	3-1/2"	Thick Precast Concrete Coping.....		47.47	12.62
04 72 00 00-0016	SF	4"	Thick Precast Concrete Coping.....		50.09	13.40
04 72 00 00-0017	SF	5"	Thick Precast Concrete Coping.....		58.28	14.20
04 72 00 00-0018	SF	6"	Thick Precast Concrete Coping.....		65.20	14.98

04 72 00 00-0019 Precast Concrete Window Sills (04 72)

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills (04 72 00 00-0019)

04 72 00 00-0021	LF	6"	Wide Precast Concrete Window Sill.....		25.76	7.88
04 72 00 00-0022	LF	10"	Wide Precast Concrete Window Sill.....		35.76	7.88
04 72 00 00-0023	LF	14"	Wide Precast Concrete Window Sill.....		40.98	7.88

END OF SECTION 04

04 Masonry

04 70 Manufactured Masonry

04 72 Cast Stone Masonry

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results for Metals (05)

05 05 19 Post-Installed Concrete Anchors (05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors (05 05 19)

05 05 19 00-0002 Expansion Anchors (05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors (05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005 EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.47	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.59	
05 05 19 00-0006 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.58	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0007 EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.87	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.65	
05 05 19 00-0008 EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.45	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.95	
05 05 19 00-0009 EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.53	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.95	
05 05 19 00-0010 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.55	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.95	
05 05 19 00-0011 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	10.86	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.97	
05 05 19 00-0012 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.23	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.79	
05 05 19 00-0013 EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.29	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.79	
05 05 19 00-0014 EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.42	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.79	
05 05 19 00-0015 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.76	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.81	
05 05 19 00-0016 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	16.24	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.42	
For >100, Deduct	-2.84	
05 05 19 00-0017 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.16	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.75	
For >100, Deduct	-3.51	
05 05 19 00-0018 EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	20.26	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.51	
05 05 19 00-0019 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	20.48	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	
05 05 19 00-0020 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	20.90	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-3.54	
05 05 19 00-0021 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.32	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.56	
05 05 19 00-0022 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.66	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.87	
For >100, Deduct	-3.73	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.53	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-1.94	
		<i>For >100, Deduct</i>	-3.87	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.44	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.10	
		<i>For >100, Deduct</i>	-4.19	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.53	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.10	
		<i>For >100, Deduct</i>	-4.20	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.04	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.11	
		<i>For >100, Deduct</i>	-4.22	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.66	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.13	
		<i>For >100, Deduct</i>	-4.25	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.36	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.14	
		<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.05	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.21	
		<i>For >100, Deduct</i>	-4.43	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.61	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.30	
		<i>For >100, Deduct</i>	-4.60	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.62	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.40	
		<i>For >100, Deduct</i>	-4.80	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.75	
		<i>For >10 To 50, Deduct</i>	-1.08	
		<i>For >50 To 100, Deduct</i>	-2.48	
		<i>For >100, Deduct</i>	-4.96	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.85	
		<i>For >10 To 50, Deduct</i>	-1.07	
		<i>For >50 To 100, Deduct</i>	-2.53	
		<i>For >100, Deduct</i>	-5.07	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.65	
		<i>For >10 To 50, Deduct</i>	-1.07	
		<i>For >50 To 100, Deduct</i>	-2.60	
		<i>For >100, Deduct</i>	-5.21	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.55	
		<i>For >10 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.15	
		<i>For >100, Deduct</i>	-6.30	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.53	
		<i>For >10 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.25	
		<i>For >100, Deduct</i>	-6.50	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	50.47	
		<i>For >10 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.35	
		<i>For >100, Deduct</i>	-6.70	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.67	
		<i>For >10 To 50, Deduct</i>	-1.78	
		<i>For >50 To 100, Deduct</i>	-4.06	
		<i>For >100, Deduct</i>	-8.13	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	58.52	
		<i>For >10 To 50, Deduct</i>	-1.78	
		<i>For >50 To 100, Deduct</i>	-4.13	
		<i>For >100, Deduct</i>	-8.27	
05 05 19 00-0040		304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.52	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-0.82	
		<i>For >100, Deduct</i>	-1.64	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.93	
		<i>For >10 To 50, Deduct</i>	-0.39	
		<i>For >50 To 100, Deduct</i>	-0.83	
		<i>For >100, Deduct</i>	-1.67	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.39	
		<i>For >10 To 50, Deduct</i>	-0.40	
		<i>For >50 To 100, Deduct</i>	-0.86	
		<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.40	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100, Deduct</i>	-2.04	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0045	EA			3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.75	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.03	
				<i>For >100, Deduct</i>	-2.06	
05 05 19 00-0046	EA			3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.99	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.04	
				<i>For >100, Deduct</i>	-2.07	
05 05 19 00-0047	EA			3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.87	
				<i>For >10 To 50, Deduct</i>	-0.47	
				<i>For >50 To 100, Deduct</i>	-1.08	
				<i>For >100, Deduct</i>	-2.17	
05 05 19 00-0048	EA			1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.59	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.50	
				<i>For >100, Deduct</i>	-3.00	
05 05 19 00-0049	EA			1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.24	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.52	
				<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0050	EA			1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.62	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.53	
				<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0051	EA			1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.33	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.57	
				<i>For >100, Deduct</i>	-3.14	
05 05 19 00-0052	EA			1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.92	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.63	
				<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0053	EA			5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.02	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-1.97	
				<i>For >100, Deduct</i>	-3.95	
05 05 19 00-0054	EA			5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.70	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.02	
				<i>For >100, Deduct</i>	-4.03	
05 05 19 00-0055	EA			5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.51	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.06	
				<i>For >100, Deduct</i>	-4.12	
05 05 19 00-0056	EA			5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.93	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.12	
				<i>For >100, Deduct</i>	-4.24	
05 05 19 00-0057	EA			5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	45.52	
				<i>For >10 To 50, Deduct</i>	-0.83	
				<i>For >50 To 100, Deduct</i>	-2.39	
				<i>For >100, Deduct</i>	-4.77	
05 05 19 00-0058	EA			3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.66	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.35	
				<i>For >100, Deduct</i>	-4.70	
05 05 19 00-0059	EA			3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.07	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.44	
				<i>For >100, Deduct</i>	-4.88	
05 05 19 00-0060	EA			3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.98	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.51	
				<i>For >100, Deduct</i>	-5.02	
05 05 19 00-0061	EA			3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.34	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.52	
				<i>For >100, Deduct</i>	-5.04	
05 05 19 00-0062	EA			3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.08	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.59	
				<i>For >100, Deduct</i>	-5.18	
05 05 19 00-0063	EA			3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.18	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-2.77	
				<i>For >100, Deduct</i>	-5.53	
05 05 19 00-0064	EA			3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.20	
				<i>For >10 To 50, Deduct</i>	-0.99	
				<i>For >50 To 100, Deduct</i>	-3.02	
				<i>For >100, Deduct</i>	-6.03	
05 05 19 00-0065	EA			7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.01	
				<i>For >10 To 50, Deduct</i>	-1.07	
				<i>For >50 To 100, Deduct</i>	-3.14	
				<i>For >100, Deduct</i>	-6.27	
05 05 19 00-0066	EA			1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	89.80	
				<i>For >10 To 50, Deduct</i>	-1.39	
				<i>For >50 To 100, Deduct</i>	-4.33	
				<i>For >100, Deduct</i>	-8.66	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	104.61
		<i>For >10 To 50, Deduct</i>	-1.39
		<i>For >50 To 100, Deduct</i>	-4.70
		<i>For >100, Deduct</i>	-9.40
05 05 19 00-0068		316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>	
		Note: Includes nut and washer.	
05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.87
		<i>For >10 To 50, Deduct</i>	-0.39
		<i>For >50 To 100, Deduct</i>	-0.83
		<i>For >100, Deduct</i>	-1.66
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.55
		<i>For >10 To 50, Deduct</i>	-0.40
		<i>For >50 To 100, Deduct</i>	-0.86
		<i>For >100, Deduct</i>	-1.73
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.53
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.05
		<i>For >100, Deduct</i>	-2.10
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.12
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.06
		<i>For >100, Deduct</i>	-2.13
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.26
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.07
		<i>For >100, Deduct</i>	-2.14
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.11
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.14
		<i>For >100, Deduct</i>	-2.28
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.31
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.57
		<i>For >100, Deduct</i>	-3.14
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.96
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.61
		<i>For >100, Deduct</i>	-3.22
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.95
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.69
		<i>For >100, Deduct</i>	-3.37
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.69
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.70
		<i>For >100, Deduct</i>	-3.41
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.20
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-2.20
		<i>For >100, Deduct</i>	-4.41
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.10
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-2.23
		<i>For >100, Deduct</i>	-4.45
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.50
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.67
		<i>For >100, Deduct</i>	-5.35
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.24
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.77
		<i>For >100, Deduct</i>	-5.53
05 05 19 00-0083		Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>	
		Note: Includes nut and washer.	
05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	18.54
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.48
		<i>For >100, Deduct</i>	-2.95
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	19.87
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.51
		<i>For >100, Deduct</i>	-3.02
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.19
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.54
		<i>For >100, Deduct</i>	-3.08
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.87
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.56
		<i>For >100, Deduct</i>	-3.12
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	26.23
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-1.90
		<i>For >100, Deduct</i>	-3.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.63	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.86	
For >100, Deduct	-3.73	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	34.72	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.35	
For >100, Deduct	-4.71	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.18	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.39	
For >100, Deduct	-4.78	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	43.39	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.57	
For >100, Deduct	-5.14	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	43.16	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.17	
For >100, Deduct	-6.33	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	47.30	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.27	
For >100, Deduct	-6.54	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	51.40	
For >10 To 50, Deduct	-1.39	
For >50 To 100, Deduct	-3.37	
For >100, Deduct	-6.74	
05 05 19 00-0096 Concrete Sleeve Anchors (05 05 19 00-0002)		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.47	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.62	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.81	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.94	
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.70	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.08	
For >10 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.71	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.13	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.93	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.39	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.94	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.63	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.95	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.66	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.75	
05 05 19 00-0107 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.98	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.77	
05 05 19 00-0108 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.26	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.78	
05 05 19 00-0109 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.59	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 19 00-0110 EA 5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.48	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.42	
05 05 19 00-0111 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.97	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.44	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	19.34
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-1.73
		<i>For >100, Deduct</i>	-3.46
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.39
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-1.76
		<i>For >100, Deduct</i>	-3.52
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.88
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.06
		<i>For >100, Deduct</i>	-4.12
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.79
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.08
		<i>For >100, Deduct</i>	-4.16
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.61
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.10
		<i>For >100, Deduct</i>	-4.20
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.91
		<i>For >10 To 50, Deduct</i>	-0.99
		<i>For >50 To 100, Deduct</i>	-2.13
		<i>For >100, Deduct</i>	-4.27

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	10.12
		<i>For >10 To 50, Deduct</i>	-0.40
		<i>For >50 To 100, Deduct</i>	-0.85
		<i>For >100, Deduct</i>	-1.70
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	13.50
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.05
		<i>For >100, Deduct</i>	-2.10
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	15.10
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.09
		<i>For >100, Deduct</i>	-2.18
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	20.29
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.52
		<i>For >100, Deduct</i>	-3.04
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	23.16
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.59
		<i>For >100, Deduct</i>	-3.18
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor.....	32.24
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-2.05
		<i>For >100, Deduct</i>	-4.11

05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.21
		<i>For >10 To 50, Deduct</i>	-0.40
		<i>For >50 To 100, Deduct</i>	-0.83
		<i>For >100, Deduct</i>	-1.66
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	9.47
		<i>For >10 To 50, Deduct</i>	-0.40
		<i>For >50 To 100, Deduct</i>	-0.83
		<i>For >100, Deduct</i>	-1.67
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.85
		<i>For >10 To 50, Deduct</i>	-0.42
		<i>For >50 To 100, Deduct</i>	-0.87
		<i>For >100, Deduct</i>	-1.75
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.92
		<i>For >10 To 50, Deduct</i>	-0.42
		<i>For >50 To 100, Deduct</i>	-0.90
		<i>For >100, Deduct</i>	-1.80
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	11.28
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-0.99
		<i>For >100, Deduct</i>	-1.99
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	12.08
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.01
		<i>For >100, Deduct</i>	-2.03
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	12.69
		<i>For >10 To 50, Deduct</i>	-0.47
		<i>For >50 To 100, Deduct</i>	-1.03
		<i>For >100, Deduct</i>	-2.06
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.63
		<i>For >10 To 50, Deduct</i>	-0.67
		<i>For >50 To 100, Deduct</i>	-1.43
		<i>For >100, Deduct</i>	-2.85

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	17.10	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.88	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	18.50	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.95	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	20.30	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.52	
For >100, Deduct	-3.04	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	22.67	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.81	
For >100, Deduct	-3.63	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	24.33	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.86	
For >100, Deduct	-3.71	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	25.80	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.89	
For >100, Deduct	-3.79	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	29.83	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.46	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	31.39	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.27	
For >100, Deduct	-4.54	
05 05 19 00-0142 Multi-Set Drop-In Anchors (05 05 19 00-0002)		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	11.75	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.13	
For >100, Deduct	-2.25	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	14.39	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.75	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	17.80	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.64	
For >100, Deduct	-3.28	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	20.45	
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-1.83	
For >100, Deduct	-3.65	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	24.96	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.12	
For >100, Deduct	-4.24	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	15.13	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	20.74	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.53	
For >100, Deduct	-3.07	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	26.20	
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-1.85	
For >100, Deduct	-3.70	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	33.98	
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-2.16	
For >100, Deduct	-4.33	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	48.22	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.70	
For >100, Deduct	-5.40	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.69	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.63	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	9.36	
		<i>For >10 To 50, Deduct</i>	-0.42	
		<i>For >50 To 100, Deduct</i>	-0.86	
		<i>For >100, Deduct</i>	-1.72	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	10.58	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-0.98	
		<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.59	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.40	
		<i>For >100, Deduct</i>	-2.80	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	22.46	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-1.81	
		<i>For >100, Deduct</i>	-3.62	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	27.22	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.17	
		<i>For >100, Deduct</i>	-4.33	
05 05 19 00-0162		Concrete Lag Shield Anchors (05 05 19 00-0002)		
		Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	8.87	
		<i>For >10 To 50, Deduct</i>	-0.40	
		<i>For >50 To 100, Deduct</i>	-0.82	
		<i>For >100, Deduct</i>	-1.64	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	10.56	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-0.98	
		<i>For >100, Deduct</i>	-1.95	
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	11.28	
		<i>For >10 To 50, Deduct</i>	-0.47	
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.83	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.41	
		<i>For >100, Deduct</i>	-2.81	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	21.46	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-1.78	
		<i>For >100, Deduct</i>	-3.57	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	23.62	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.08	
		<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0169		Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170		Chemically Adhered Anchor Rods (05 05 19 00-0169)		
		Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	11.71	
		<i>For >10 To 50, Deduct</i>	-0.44	
		<i>For >50 To 100, Deduct</i>	-0.95	
		<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	13.86	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-1.06	
		<i>For >100, Deduct</i>	-2.13	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	17.17	
		<i>For >10 To 50, Deduct</i>	-0.60	
		<i>For >50 To 100, Deduct</i>	-1.33	
		<i>For >100, Deduct</i>	-2.65	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	20.35	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.52	
		<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	21.92	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.56	
		<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	27.14	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-1.93	
		<i>For >100, Deduct</i>	-3.85	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	36.07	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.39	
		<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	43.66	
		<i>For >10 To 50, Deduct</i>	-1.07	
		<i>For >50 To 100, Deduct</i>	-2.70	
		<i>For >100, Deduct</i>	-5.40	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	60.33	
		<i>For >10 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-3.59	
		<i>For >100, Deduct</i>	-7.19	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	88.79	
		<i>For >10 To 50, Deduct</i>	-1.75	
		<i>For >50 To 100, Deduct</i>	-4.85	
		<i>For >100, Deduct</i>	-9.70	
05 05 19 00-0181		Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
		Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	9.12	
		<i>For >10 To 50, Deduct</i>	-0.44	
		<i>For >50 To 100, Deduct</i>	-0.89	
		<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	10.02	
		<i>For >10 To 50, Deduct</i>	-0.48	
		<i>For >50 To 100, Deduct</i>	-0.97	
		<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	12.56	
		<i>For >10 To 50, Deduct</i>	-0.60	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100, Deduct</i>	-2.42	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.33	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.37	
		<i>For >100, Deduct</i>	-2.74	
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	18.73	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-1.72	
		<i>For >100, Deduct</i>	-3.43	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	23.46	
		<i>For >10 To 50, Deduct</i>	-0.99	
		<i>For >50 To 100, Deduct</i>	-2.07	
		<i>For >100, Deduct</i>	-4.14	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	26.31	
		<i>For >10 To 50, Deduct</i>	-1.07	
		<i>For >50 To 100, Deduct</i>	-2.27	
		<i>For >100, Deduct</i>	-4.53	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	35.11	
		<i>For >10 To 50, Deduct</i>	-1.39	
		<i>For >50 To 100, Deduct</i>	-2.96	
		<i>For >100, Deduct</i>	-5.93	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	40.42	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.37	
		<i>For >100, Deduct</i>	-6.74	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	46.75	
		<i>For >10 To 50, Deduct</i>	-1.75	
		<i>For >50 To 100, Deduct</i>	-3.80	
		<i>For >100, Deduct</i>	-7.60	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	51.27	
		<i>For >10 To 50, Deduct</i>	-1.83	
		<i>For >50 To 100, Deduct</i>	-4.03	
		<i>For >100, Deduct</i>	-8.06	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	57.72	
		<i>For >10 To 50, Deduct</i>	-1.91	
		<i>For >50 To 100, Deduct</i>	-4.31	
		<i>For >100, Deduct</i>	-8.63	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	70.65	
		<i>For >10 To 50, Deduct</i>	-2.07	
		<i>For >50 To 100, Deduct</i>	-4.88	
		<i>For >100, Deduct</i>	-9.75	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	101.43	
		<i>For >10 To 50, Deduct</i>	-2.15	
		<i>For >50 To 100, Deduct</i>	-5.76	
		<i>For >100, Deduct</i>	-11.53	
05 05 19 00-0196		Grout Concrete Anchor Bolt Or Threaded Rod <small>(05 05 19 00-0169)</small>		
05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod.....	4.21	
		<i>For >10 To 50, Deduct</i>	-0.20	
		<i>For >50 To 100, Deduct</i>	-0.41	
		<i>For >100, Deduct</i>	-0.82	
05 05 19 00-0198		Other Concrete And Masonry Anchors <small>(05 05 19 00-0001)</small>		
05 05 19 00-0199		Tapcon Masonry Screws <small>(05 05 19 00-0198)</small>		
		Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw.....	8.26	
		<i>For >10 To 50, Deduct</i>	-0.40	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100, Deduct</i>	-1.61	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw.....	8.34	
		<i>For >10 To 50, Deduct</i>	-0.40	
		<i>For >50 To 100, Deduct</i>	-0.81	
		<i>For >100, Deduct</i>	-1.61	

05 Metals

05 05 Common Work Results for Metals

05 05 19 Post-Installed Concrete Anchors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	8.51	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.81	
	For >100, Deduct	-1.62	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	8.35	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.81	
	For >100, Deduct	-1.61	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	8.45	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.81	
	For >100, Deduct	-1.62	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	8.65	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.81	
	For >100, Deduct	-1.63	
05 05 19 00-0206	Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	8.90	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.82	
	For >100, Deduct	-1.64	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	9.23	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.83	
	For >100, Deduct	-1.66	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	9.32	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.83	
	For >100, Deduct	-1.66	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	9.48	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.83	
	For >100, Deduct	-1.67	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	9.62	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.84	
	For >100, Deduct	-1.68	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	9.91	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.85	
	For >100, Deduct	-1.69	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.27	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.85	
	For >100, Deduct	-1.71	
05 05 19 00-0214	EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	10.60	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.86	
	For >100, Deduct	-1.73	
05 05 19 00-0215	EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.52	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.89	
	For >100, Deduct	-1.77	
05 05 19 00-0216	EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	11.63	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.89	
	For >100, Deduct	-1.78	
05 05 19 00-0217	EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	12.19	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.81	
05 05 19 00-0218	EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	12.77	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.92	
	For >100, Deduct	-1.83	
05 05 19 00-0219	EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	13.14	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 19 00-0220	EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.98	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.92	
	For >100, Deduct	-1.84	
05 05 19 00-0221	EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	13.51	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.94	
	For >100, Deduct	-1.87	
05 05 19 00-0222	EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	14.76	
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.93	

05 05 19 00-0223 Pin Bolt Drives (05 05 19 00-0198)
Note: Includes drilling. Zinc plated.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	5.23	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100, Deduct	-0.98	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	5.23	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100, Deduct	-0.98	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	5.29	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100, Deduct	-0.98	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	5.30	
For >10 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.49	
For >100, Deduct	-0.98	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.35	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100, Deduct	-0.23	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	1.43	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.12	
For >100, Deduct	-0.24	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	1.57	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.13	
For >100, Deduct	-0.26	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	1.76	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100, Deduct	-0.28	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	1.88	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100, Deduct	-0.29	
05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	1.66	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.12	
For >100, Deduct	-0.25	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	2.33	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.16	
For >100, Deduct	-0.32	
05 05 21 Fastening Methods for Metal (05 05)		
05 05 21 00-0001 Welding (05 05 21)		
05 05 21 00-0002 Welding Minimum Charge (05 05 21 00-0001)		
05 05 21 00-0003 EA Welding Minimum Charge.....	366.38	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004 Spot Welding (05 05 21 00-0001)		
See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	9.25	
For Aluminum Welding, Add	1.45	
For Stainless Steel Welding, Add	2.40	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	7.22	
For Aluminum Welding, Add	1.15	
For Stainless Steel Welding, Add	1.89	
05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)		
05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld.....	5.94	
For Aluminum Welding, Add	1.21	
For Stainless Steel Welding, Add	1.88	
For Up To 25, Add	1.95	
For >25 To 50, Add	1.38	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld.....	11.49	
For Aluminum Welding, Add	2.12	
For Stainless Steel Welding, Add	3.37	
For Up To 25, Add	3.86	
For >25 To 50, Add	2.74	

05 Metals

05 05 Common Work Results for Metals

05 05 21 Fastening Methods for Metal

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 21 00-0011	LF	1/4" Vertical Fillet Weld.....	17.25	
		For Aluminum Welding, Add	3.19	
		For Stainless Steel Welding, Add	5.07	
		For Up To 25, Add	5.79	
		For >25 To 50, Add	4.11	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld.....	22.76	
		For Aluminum Welding, Add	4.23	
		For Stainless Steel Welding, Add	6.71	
		For Up To 25, Add	7.63	
		For >25 To 50, Add	5.42	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld.....	28.74	
		For Aluminum Welding, Add	5.31	
		For Stainless Steel Welding, Add	8.44	
		For Up To 25, Add	9.64	
		For >25 To 50, Add	6.85	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld.....	33.38	
		For Aluminum Welding, Add	5.80	
		For Stainless Steel Welding, Add	9.34	
		For Up To 25, Add	11.35	
		For >25 To 50, Add	8.08	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld.....	39.30	
		For Aluminum Welding, Add	7.29	
		For Stainless Steel Welding, Add	11.57	
		For Up To 25, Add	13.17	
		For >25 To 50, Add	9.36	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld.....	45.91	
		For Aluminum Welding, Add	8.14	
		For Stainless Steel Welding, Add	13.05	
		For Up To 25, Add	15.55	
		For >25 To 50, Add	11.06	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld.....	53.23	
		For Aluminum Welding, Add	9.47	
		For Stainless Steel Welding, Add	15.16	
		For Up To 25, Add	18.01	
		For >25 To 50, Add	12.81	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld.....	71.92	
		For Aluminum Welding, Add	13.34	
		For Stainless Steel Welding, Add	21.17	
		For Up To 25, Add	24.11	
		For >25 To 50, Add	17.13	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld.....	106.26	
		For Aluminum Welding, Add	18.78	
		For Stainless Steel Welding, Add	30.12	
		For Up To 25, Add	36.01	
		For >25 To 50, Add	25.62	
05 05 21 00-0020	LF	1" Vertical Fillet Weld.....	143.30	
		For Aluminum Welding, Add	26.26	
		For Stainless Steel Welding, Add	41.78	
		For Up To 25, Add	48.17	
		For >25 To 50, Add	34.24	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds (05 05 21 00-0007)

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld.....	5.02	
		For Aluminum Welding, Add	1.07	
		For Stainless Steel Welding, Add	1.65	
		For Up To 25, Add	1.62	
		For >25 To 50, Add	1.15	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld.....	9.75	
		For Aluminum Welding, Add	1.88	
		For Stainless Steel Welding, Add	2.96	
		For Up To 25, Add	3.24	
		For >25 To 50, Add	2.30	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld.....	14.59	
		For Aluminum Welding, Add	2.82	
		For Stainless Steel Welding, Add	4.44	
		For Up To 25, Add	4.84	
		For >25 To 50, Add	3.44	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld.....	19.28	
		For Aluminum Welding, Add	3.75	
		For Stainless Steel Welding, Add	5.89	
		For Up To 25, Add	6.39	
		For >25 To 50, Add	4.53	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld.....	24.33	
		For Aluminum Welding, Add	4.69	
		For Stainless Steel Welding, Add	7.39	
		For Up To 25, Add	8.08	
		For >25 To 50, Add	5.73	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld.....	28.12	
		For Aluminum Welding, Add	5.05	
		For Stainless Steel Welding, Add	8.07	
		For Up To 25, Add	9.49	
		For >25 To 50, Add	6.75	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld.....	33.23	
		For Aluminum Welding, Add	6.45	
		For Stainless Steel Welding, Add	10.14	
		For Up To 25, Add	11.02	
		For >25 To 50, Add	7.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld.....	38.78	
			For Aluminum Welding, Add	7.16	
			For Stainless Steel Welding, Add	11.37	
			For Up To 25, Add	13.02	
			For >25 To 50, Add	9.25	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld.....	45.19	
			For Aluminum Welding, Add	8.51	
			For Stainless Steel Welding, Add	13.47	
			For Up To 25, Add	15.09	
			For >25 To 50, Add	10.72	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld.....	60.89	
			For Aluminum Welding, Add	11.81	
			For Stainless Steel Welding, Add	18.57	
			For Up To 25, Add	20.20	
			For >25 To 50, Add	14.33	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	89.02	
			For Aluminum Welding, Add	16.01	
			For Stainless Steel Welding, Add	25.57	
			For Up To 25, Add	30.05	
			For >25 To 50, Add	21.37	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	120.83	
			For Aluminum Welding, Add	23.12	
			For Stainless Steel Welding, Add	36.45	
			For Up To 25, Add	40.21	
			For >25 To 50, Add	28.54	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001	Hex Bolts (05 05 23)		Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0197 for drilling into concrete, 02 41 19 13-0207 for drilling into brick or block, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002	A307B Heavy Hex Bolts (05 05 23 00-0001)		Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	11.15	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-0.93	
			For >100, Deduct	-1.85	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	12.60	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-0.96	
			For >100, Deduct	-1.93	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	12.64	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-0.96	
			For >100, Deduct	-1.93	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	15.19	1.18
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.12	
			For >100, Deduct	-2.24	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	15.08	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.03	
			For >100, Deduct	-2.05	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	18.22	1.18
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.39	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	23.77	1.23
			For >10 To 50, Deduct	-0.52	
			For >50 To 100, Deduct	-1.37	
			For >100, Deduct	-2.73	
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt.....	25.62	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.45	
			For >100, Deduct	-2.91	
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	18.38	1.12
			For >10 To 50, Deduct	-0.47	
			For >50 To 100, Deduct	-1.16	
			For >100, Deduct	-2.32	
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	22.50	1.23
			For >10 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-1.33	
			For >100, Deduct	-2.67	
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	26.91	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.49	
			For >100, Deduct	-2.97	
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	39.80	1.36
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.85	
			For >100, Deduct	-3.70	
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	46.76	1.55
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-2.13	
			For >100, Deduct	-4.27	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	52.86	1.66
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.71	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt.....	11.86	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.89	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt.....	13.08	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.98	
			<i>For >100, Deduct</i>	-1.95	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	14.40	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-1.01	
			<i>For >100, Deduct</i>	-2.02	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	16.95	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	17.07	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100, Deduct</i>	-2.15	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	21.90	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.57	
05 05 23 00-0025	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	30.12	1.23
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.05	
05 05 23 00-0026	EA		3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	35.90	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100, Deduct</i>	-3.42	
05 05 23 00-0027	EA		7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	23.60	1.12
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.58	
05 05 23 00-0028	EA		7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	28.38	1.23
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
05 05 23 00-0029	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	34.51	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.35	
05 05 23 00-0030	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	53.56	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100, Deduct</i>	-4.39	
05 05 23 00-0031	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	52.91	1.55
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-2.29	
			<i>For >100, Deduct</i>	-4.57	
05 05 23 00-0032	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	67.12	1.66
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100, Deduct</i>	-5.42	
05 05 23 00-0033			A325 High Strength Structural Bolts (05 05 23 00-0001)		
05 05 23 00-0034			Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.82	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.84	
05 05 23 00-0036	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	11.14	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.85	
05 05 23 00-0037	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.16	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0038	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.22	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0039	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.10	1.23
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100, Deduct</i>	-2.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.58	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.98	
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.74	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.31	
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	19.44	1.23
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.26	
			<i>For >100, Deduct</i>	-2.52	
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	24.71	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.86	
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.04	1.12
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100, Deduct</i>	-2.21	
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.01	1.23
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.23	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.79	
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.33	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	17.99	1.17
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.36	
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	22.02	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.36	
			<i>For >100, Deduct</i>	-2.73	
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	26.01	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.50	
			<i>For >100, Deduct</i>	-3.01	
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	34.36	1.45
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100, Deduct</i>	-3.54	
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	32.57	1.45
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.72	
			<i>For >100, Deduct</i>	-3.45	
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	37.30	1.55
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.79	
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	44.34	1.66
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-2.14	
			<i>For >100, Deduct</i>	-4.28	
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	52.70	1.77
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100, Deduct</i>	-4.84	
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	11.46	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.87	
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	11.68	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	13.51	1.03
			<i>For >10 To 50, Deduct</i>	-0.43	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	16.18	1.18
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	17.18	1.23
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100, Deduct</i>	-2.40	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0062	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	14.20	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.00	
			For >100, Deduct	-2.01	
05 05 23 00-0063	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.52	1.18
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.18	
			For >100, Deduct	-2.35	
05 05 23 00-0064	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	20.66	1.23
			For >10 To 50, Deduct	-0.52	
			For >50 To 100, Deduct	-1.29	
			For >100, Deduct	-2.58	
05 05 23 00-0065	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	27.60	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.50	
			For >100, Deduct	-3.01	
05 05 23 00-0066	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	19.76	1.12
			For >10 To 50, Deduct	-0.47	
			For >50 To 100, Deduct	-1.20	
			For >100, Deduct	-2.39	
05 05 23 00-0067	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	22.21	1.23
			For >10 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-1.33	
			For >100, Deduct	-2.65	
05 05 23 00-0068	EA		7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	25.91	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.46	
			For >100, Deduct	-2.92	
05 05 23 00-0069	EA		7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	33.34	1.36
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.69	
			For >100, Deduct	-3.38	
05 05 23 00-0070	EA		1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	20.89	1.17
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.25	
			For >100, Deduct	-2.51	
05 05 23 00-0071	EA		1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	28.67	1.30
			For >10 To 50, Deduct	-0.54	
			For >50 To 100, Deduct	-1.53	
			For >100, Deduct	-3.06	
05 05 23 00-0072	EA		1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	31.58	1.36
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.64	
			For >100, Deduct	-3.29	
05 05 23 00-0073	EA		1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	41.22	1.45
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.94	
			For >100, Deduct	-3.88	
05 05 23 00-0074	EA		1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	40.94	1.45
			For >10 To 50, Deduct	-0.61	
			For >50 To 100, Deduct	-1.93	
			For >100, Deduct	-3.87	
05 05 23 00-0075	EA		1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	43.69	1.55
			For >10 To 50, Deduct	-0.64	
			For >50 To 100, Deduct	-2.06	
			For >100, Deduct	-4.11	
05 05 23 00-0076	EA		1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	51.67	1.66
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-2.33	
			For >100, Deduct	-4.65	
05 05 23 00-0077	EA		1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	60.35	1.77
			For >10 To 50, Deduct	-0.74	
			For >50 To 100, Deduct	-2.61	
			For >100, Deduct	-5.22	
05 05 23 00-0078			A490 High Strength Structural Bolts (05 05 23 00-0001) Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079			Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)		
05 05 23 00-0080	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.67	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-0.96	
			For >100, Deduct	-1.93	
05 05 23 00-0081	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	18.70	1.18
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.21	
			For >100, Deduct	-2.41	
05 05 23 00-0082	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	20.10	1.23
			For >10 To 50, Deduct	-0.52	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.55	
05 05 23 00-0083	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.64	1.03
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-1.01	
			For >100, Deduct	-2.03	
05 05 23 00-0084	EA		3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	17.94	1.18
			For >10 To 50, Deduct	-0.49	
			For >50 To 100, Deduct	-1.19	
			For >100, Deduct	-2.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.37	1.23
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100, Deduct</i>	-2.61	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	28.47	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.05	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.25	1.12
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.27	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	20.39	1.23
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	31.08	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.83	1.17
			<i>For >10 To 50, Deduct</i>	-0.49	
			<i>For >50 To 100, Deduct</i>	-1.25	
			<i>For >100, Deduct</i>	-2.50	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	25.21	1.30
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100, Deduct</i>	-2.89	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	29.44	1.36
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	37.63	1.45
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.70	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	49.38	1.55
			<i>For >10 To 50, Deduct</i>	-0.64	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100, Deduct</i>	-4.40	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	51.87	1.66
			<i>For >10 To 50, Deduct</i>	-0.69	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100, Deduct</i>	-4.66	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	53.99	1.77
			<i>For >10 To 50, Deduct</i>	-0.74	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100, Deduct</i>	-4.90	
05 05 23 00-0097			Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.11	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.23	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.46	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.58	
			<i>For >100 To 250, Deduct</i>	-1.02	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.73	
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.58	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0108	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58
05 05 23 00-0109	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.97
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58
05 05 23 00-0110	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.25
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62
05 05 23 00-0111	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.39
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62
05 05 23 00-0112	EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62
05 05 23 00-0113	EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16
	For >100 To 250, Deduct	-1.11
	For >250 To 500, Deduct	-1.38
	For >500, Deduct	-1.66
05 05 23 00-0114	EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.46
	For >100 To 250, Deduct	-1.11
	For >250 To 500, Deduct	-1.38
	For >500, Deduct	-1.66
05 05 23 00-0115	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54
	For >100 To 250, Deduct	-1.11
	For >250 To 500, Deduct	-1.38
	For >500, Deduct	-1.66
05 05 23 00-0116	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>	5.15
05 05 23 00-0117	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0118	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.18
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0119	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.25
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0120	EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0121	EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.51
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0122	EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.64
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0123	EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.69
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0124	EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58
05 05 23 00-0125	EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58
05 05 23 00-0126	EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58
05 05 23 00-0127	EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.41
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62
05 05 23 00-0128	EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.48
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62
05 05 23 00-0129	EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18
	For >100 To 250, Deduct	-1.08
	For >250 To 500, Deduct	-1.35
	For >500, Deduct	-1.62

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.66	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
<small>23 00-0098</small>		
05 05 23 00-0134 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.24	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0135 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.27	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0136 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.36	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0137 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.45	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0138 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.67	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0139 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0140 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.99	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0141 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.29	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0142 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.50	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0143 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.62	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0144 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0145 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.10	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0146 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0147 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.37	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0148 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0149 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.69	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
<small>23 00-0098</small>		
05 05 23 00-0151 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.33	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0152	EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.46	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0153	EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.48	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0154	EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.80	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0155	EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0156	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.16	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0157	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.72	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0158	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.84	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0159	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.08	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0160	EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.62	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0161	EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0162	EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0163	EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0164	EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0165	EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0166	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098).....	6.22	
05 05 23 00-0167	EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.22	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0168	EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.38	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0169	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0170	EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.85	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0171	EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.02	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0172	EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0173	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.72	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0176 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0177 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0178 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0179 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.96	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0180 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.13	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0181 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0182 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0183 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.16	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0184 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.84	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0185 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05</small>		
<small>23 00-0098)</small>		
05 05 23 00-0187 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.39	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0188 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.60	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0189 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.65	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0190 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.50	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0191 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0192 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0193 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0194 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.12	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0195 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.72	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.08	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.88	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts ^{105 05}

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <small>23 00-0088</small>	7.57	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.29	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.81	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0219 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.06	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-0220 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.62	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-0221 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.27	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-0222 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0223 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.75	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0224 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.41	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0225 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.91	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
<small>23 00-0098)</small>		
05 05 23 00-0227 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.05	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0228 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.34	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0229 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0230 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.08	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-1.96	
05 05 23 00-0231 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.49	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-1.96	
05 05 23 00-0232 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-1.96	
05 05 23 00-0233 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.39	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-0234 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.90	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-0235 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.30	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-0236 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0237 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.60	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0238 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0240	EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.87	
	<i>For >100 To 250, Deduct</i>	-1.39	
	<i>For >250 To 500, Deduct</i>	-1.74	
	<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0241	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.55	
	<i>For >100 To 250, Deduct</i>	-1.39	
	<i>For >250 To 500, Deduct</i>	-1.74	
	<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0242	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.58	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0243	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.26	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0244	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.17	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0245	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.04	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05

05 05 23 00-0247	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.28	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0248	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0249	EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.64	
	<i>For >100 To 250, Deduct</i>	-1.42	
	<i>For >250 To 500, Deduct</i>	-1.77	
	<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0250	EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.12	
	<i>For >100 To 250, Deduct</i>	-1.45	
	<i>For >250 To 500, Deduct</i>	-1.81	
	<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0251	EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.79	
	<i>For >100 To 250, Deduct</i>	-1.45	
	<i>For >250 To 500, Deduct</i>	-1.81	
	<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0252	EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.56	
	<i>For >100 To 250, Deduct</i>	-1.45	
	<i>For >250 To 500, Deduct</i>	-1.81	
	<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0253	EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35	
	<i>For >100 To 250, Deduct</i>	-1.47	
	<i>For >250 To 500, Deduct</i>	-1.84	
	<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0254	EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.48	
	<i>For >100 To 250, Deduct</i>	-1.47	
	<i>For >250 To 500, Deduct</i>	-1.84	
	<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0255	EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.11	
	<i>For >100 To 250, Deduct</i>	-1.47	
	<i>For >250 To 500, Deduct</i>	-1.84	
	<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0256	EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.74	
	<i>For >100 To 250, Deduct</i>	-1.50	
	<i>For >250 To 500, Deduct</i>	-1.88	
	<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0257	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.12	
	<i>For >100 To 250, Deduct</i>	-1.50	
	<i>For >250 To 500, Deduct</i>	-1.88	
	<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0258	EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.01	
	<i>For >100 To 250, Deduct</i>	-1.50	
	<i>For >250 To 500, Deduct</i>	-1.88	
	<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0259	EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.04	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0260	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.95	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0261	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.84	
	<i>For >100 To 250, Deduct</i>	-1.53	
	<i>For >250 To 500, Deduct</i>	-1.91	
	<i>For >500, Deduct</i>	-2.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.83	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.78	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.64	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.58	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.37	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.01	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.19	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.48	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.65	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.00	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.13	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.31	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.03	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.59	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.58	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.71	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.68	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.69	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.65	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.80	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.81	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0284	EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.84	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0285	Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0286	1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0287	EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.14	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0288	EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.19	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0289	EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.23	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0290	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.32	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0291	EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.55	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-0292	EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.70	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-0293	EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.87	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-0294	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.14	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-0295	EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.35	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-0296	EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.49	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-0297	EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.78	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-0298	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.91	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-0299	EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-0300	EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.36	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-0301	EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.54	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-0302	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.73	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-0303	5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0304	EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.24	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0305	EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.28	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0306	EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.34	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0307 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.46	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0308 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.68	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0309 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.83	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0310 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.09	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0311 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.36	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0312 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.56	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0313 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.76	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	
05 05 23 00-0314 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.27	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0315 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.34	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0316 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.59	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.62	
05 05 23 00-0317 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.06	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0318 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.41	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0319 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.74	
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.66	
05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0321 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.30	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0322 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.33	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0323 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.44	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.57	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.84	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.99	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.21	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.60	
For >100 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.58	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.13
		<i>For >100 To 250, Deduct</i>	-1.05
		<i>For >250 To 500, Deduct</i>	-1.31
		<i>For >500, Deduct</i>	-1.58
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.37
		<i>For >100 To 250, Deduct</i>	-1.05
		<i>For >250 To 500, Deduct</i>	-1.31
		<i>For >500, Deduct</i>	-1.58
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.83
		<i>For >100 To 250, Deduct</i>	-1.08
		<i>For >250 To 500, Deduct</i>	-1.35
		<i>For >500, Deduct</i>	-1.62
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.05
		<i>For >100 To 250, Deduct</i>	-1.08
		<i>For >250 To 500, Deduct</i>	-1.35
		<i>For >500, Deduct</i>	-1.62
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45
		<i>For >100 To 250, Deduct</i>	-1.08
		<i>For >250 To 500, Deduct</i>	-1.35
		<i>For >500, Deduct</i>	-1.62
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.89
		<i>For >100 To 250, Deduct</i>	-1.11
		<i>For >250 To 500, Deduct</i>	-1.38
		<i>For >500, Deduct</i>	-1.66
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.42
		<i>For >100 To 250, Deduct</i>	-1.11
		<i>For >250 To 500, Deduct</i>	-1.38
		<i>For >500, Deduct</i>	-1.66
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.85
		<i>For >100 To 250, Deduct</i>	-1.11
		<i>For >250 To 500, Deduct</i>	-1.38
		<i>For >500, Deduct</i>	-1.66
05 05 23 00-0337		7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	
05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.24
		<i>For >100 To 250, Deduct</i>	-1.13
		<i>For >250 To 500, Deduct</i>	-1.42
		<i>For >500, Deduct</i>	-1.70
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.35
		<i>For >100 To 250, Deduct</i>	-1.13
		<i>For >250 To 500, Deduct</i>	-1.42
		<i>For >500, Deduct</i>	-1.70
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.62
		<i>For >100 To 250, Deduct</i>	-1.13
		<i>For >250 To 500, Deduct</i>	-1.42
		<i>For >500, Deduct</i>	-1.70
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.97
		<i>For >100 To 250, Deduct</i>	-1.16
		<i>For >250 To 500, Deduct</i>	-1.45
		<i>For >500, Deduct</i>	-1.74
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.17
		<i>For >100 To 250, Deduct</i>	-1.16
		<i>For >250 To 500, Deduct</i>	-1.45
		<i>For >500, Deduct</i>	-1.74
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.36
		<i>For >100 To 250, Deduct</i>	-1.16
		<i>For >250 To 500, Deduct</i>	-1.45
		<i>For >500, Deduct</i>	-1.74
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.74
		<i>For >100 To 250, Deduct</i>	-1.19
		<i>For >250 To 500, Deduct</i>	-1.49
		<i>For >500, Deduct</i>	-1.79
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.79
		<i>For >100 To 250, Deduct</i>	-1.19
		<i>For >250 To 500, Deduct</i>	-1.49
		<i>For >500, Deduct</i>	-1.79
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.25
		<i>For >100 To 250, Deduct</i>	-1.19
		<i>For >250 To 500, Deduct</i>	-1.49
		<i>For >500, Deduct</i>	-1.79
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.55
		<i>For >100 To 250, Deduct</i>	-1.22
		<i>For >250 To 500, Deduct</i>	-1.53
		<i>For >500, Deduct</i>	-1.83
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.76
		<i>For >100 To 250, Deduct</i>	-1.22
		<i>For >250 To 500, Deduct</i>	-1.53
		<i>For >500, Deduct</i>	-1.83
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.99
		<i>For >100 To 250, Deduct</i>	-1.22
		<i>For >250 To 500, Deduct</i>	-1.53
		<i>For >500, Deduct</i>	-1.83
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.44
		<i>For >100 To 250, Deduct</i>	-1.25
		<i>For >250 To 500, Deduct</i>	-1.56
		<i>For >500, Deduct</i>	-1.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.74	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.38	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.68	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.08	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.32	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.57	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.94	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.76	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.81	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.52	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.84	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.67	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0366	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.56	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0367	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.02	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0368	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.20	
			<i>For >100 To 250, Deduct</i>	-1.25	
			<i>For >250 To 500, Deduct</i>	-1.56	
			<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0369	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.19	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0370	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.00	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0371	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.15	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0372	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.59	
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-1.60	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0373			9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0374	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.83	
	<i>For >100 To 250, Deduct</i>	-1.13	
	<i>For >250 To 500, Deduct</i>	-1.42	
	<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0375	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.10	
	<i>For >100 To 250, Deduct</i>	-1.13	
	<i>For >250 To 500, Deduct</i>	-1.42	
	<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0376	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.34	
	<i>For >100 To 250, Deduct</i>	-1.13	
	<i>For >250 To 500, Deduct</i>	-1.42	
	<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0377	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.74	
	<i>For >100 To 250, Deduct</i>	-1.16	
	<i>For >250 To 500, Deduct</i>	-1.45	
	<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0378	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.07	
	<i>For >100 To 250, Deduct</i>	-1.16	
	<i>For >250 To 500, Deduct</i>	-1.45	
	<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0379	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45	
	<i>For >100 To 250, Deduct</i>	-1.16	
	<i>For >250 To 500, Deduct</i>	-1.45	
	<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0380	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.01	
	<i>For >100 To 250, Deduct</i>	-1.19	
	<i>For >250 To 500, Deduct</i>	-1.49	
	<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0381	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.45	
	<i>For >100 To 250, Deduct</i>	-1.19	
	<i>For >250 To 500, Deduct</i>	-1.49	
	<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0382	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.83	
	<i>For >100 To 250, Deduct</i>	-1.19	
	<i>For >250 To 500, Deduct</i>	-1.49	
	<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0383	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.39	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.53	
	<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0384	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.79	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.53	
	<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0385	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.12	
	<i>For >100 To 250, Deduct</i>	-1.22	
	<i>For >250 To 500, Deduct</i>	-1.53	
	<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0386	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.90	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.45	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.37	
	<i>For >100 To 250, Deduct</i>	-1.25	
	<i>For >250 To 500, Deduct</i>	-1.56	
	<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.37	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.71	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.04	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.86	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0393	5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.82	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.91	
	<i>For >100 To 250, Deduct</i>	-1.28	
	<i>For >250 To 500, Deduct</i>	-1.60	
	<i>For >500, Deduct</i>	-1.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.99	
<i>For >100 To 250, Deduct</i>	-1.28	
<i>For >250 To 500, Deduct</i>	-1.60	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.39	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.82	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.78	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.55	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.96	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.98	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.04	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 500, Deduct</i>	-1.70	
<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.13	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.00	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
<i>For >100 To 250, Deduct</i>	-1.39	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.85	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.02	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.74	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.34	
<i>For >100 To 250, Deduct</i>	-1.42	
<i>For >250 To 500, Deduct</i>	-1.77	
<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	8.80	
<i>EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt</i>	<i>8.80</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.28</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.60</i>	
<i>For >500, Deduct</i>	<i>-1.91</i>	
<i>EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt</i>	<i>8.98</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.28</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.60</i>	
<i>For >500, Deduct</i>	<i>-1.91</i>	
<i>EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt</i>	<i>9.07</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.28</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.60</i>	
<i>For >500, Deduct</i>	<i>-1.91</i>	
<i>EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt</i>	<i>9.58</i>	
<i>For >100 To 250, Deduct</i>	<i>-1.30</i>	
<i>For >250 To 500, Deduct</i>	<i>-1.63</i>	
<i>For >500, Deduct</i>	<i>-1.96</i>	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.02	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.69	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.28	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.71	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.62	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.17	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.91	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.82	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.25	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.20	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.73	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.28	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.76	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.32	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.71	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.74	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.96	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.25	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.69	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.57	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.16	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.74	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.78	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.56	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.08	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.73	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.53	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.67	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.89	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.97	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.90	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.09	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.12	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.15	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.70	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.77	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.57	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.42	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.05	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.99	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.99	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.44	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.62
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.93
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.95
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.40
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.56
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.17
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.24
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.78
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.26
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	36.27
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.16
		<i>For >100 To 250, Deduct</i>	-0.99
		<i>For >250 To 500, Deduct</i>	-1.24
		<i>For >500, Deduct</i>	-1.49
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.27
		<i>For >100 To 250, Deduct</i>	-0.99
		<i>For >250 To 500, Deduct</i>	-1.24
		<i>For >500, Deduct</i>	-1.49
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.32
		<i>For >100 To 250, Deduct</i>	-0.99
		<i>For >250 To 500, Deduct</i>	-1.24
		<i>For >500, Deduct</i>	-1.49
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.43
		<i>For >100 To 250, Deduct</i>	-0.99
		<i>For >250 To 500, Deduct</i>	-1.24
		<i>For >500, Deduct</i>	-1.49
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.64
		<i>For >100 To 250, Deduct</i>	-1.02
		<i>For >250 To 500, Deduct</i>	-1.28
		<i>For >500, Deduct</i>	-1.53
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.76
		<i>For >100 To 250, Deduct</i>	-1.02
		<i>For >250 To 500, Deduct</i>	-1.28
		<i>For >500, Deduct</i>	-1.53
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.88
		<i>For >100 To 250, Deduct</i>	-1.02
		<i>For >250 To 500, Deduct</i>	-1.28
		<i>For >500, Deduct</i>	-1.53
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.02
		<i>For >100 To 250, Deduct</i>	-1.05
		<i>For >250 To 500, Deduct</i>	-1.31
		<i>For >500, Deduct</i>	-1.58
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.36
		<i>For >100 To 250, Deduct</i>	-1.05
		<i>For >250 To 500, Deduct</i>	-1.31
		<i>For >500, Deduct</i>	-1.58
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.68
		<i>For >100 To 250, Deduct</i>	-1.05
		<i>For >250 To 500, Deduct</i>	-1.31
		<i>For >500, Deduct</i>	-1.58
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.98
		<i>For >100 To 250, Deduct</i>	-1.08
		<i>For >250 To 500, Deduct</i>	-1.35
		<i>For >500, Deduct</i>	-1.62

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.15	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.36	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.65	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.06	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.25	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.25	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.32	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.52	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.56	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.81	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.10	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.19	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.50	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.69	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.12	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.51	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.67	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.92	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.23	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.42	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.78	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.47	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.49	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.50	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.74	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.01	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.25	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.46	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.26	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.53	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.58	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.83	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.12	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.43	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.87	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.46	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.83	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.39	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.43	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.80	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.97	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.38	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0530 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.61	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0531 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.79	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0532 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.71	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0533 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.43	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0534 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.06	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.31	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.68	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.38	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.60	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.69	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.63	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.90	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.38	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.68	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.34	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.95	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.61	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.24	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.08	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0552	EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.86	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0553	EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.66	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0554	EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.01	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0555	EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.97	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.71	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.40	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.76	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.48	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0560	9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.88	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.04	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.42	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.10	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.23	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.78	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.28	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.07	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.41	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0570	EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.84	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0571	EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.62	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0572	EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.53	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0573	EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.10	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.32	
		For >100 To 250, Deduct	-1.25	
		For >250 To 500, Deduct	-1.56	
		For >500, Deduct	-1.87	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.92	
		For >100 To 250, Deduct	-1.25	
		For >250 To 500, Deduct	-1.56	
		For >500, Deduct	-1.87	
05 05 23 00-0576		5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.17	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-1.60	
		For >500, Deduct	-1.91	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.33	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-1.60	
		For >500, Deduct	-1.91	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.74	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-1.60	
		For >500, Deduct	-1.91	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.48	
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-1.63	
		For >500, Deduct	-1.96	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.97	
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-1.63	
		For >500, Deduct	-1.96	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	-1.30	
		For >250 To 500, Deduct	-1.63	
		For >500, Deduct	-1.96	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.56	
		For >100 To 250, Deduct	-1.33	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.00	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	-1.33	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.00	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.83	
		For >100 To 250, Deduct	-1.33	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.00	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-1.70	
		For >500, Deduct	-2.04	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.80	
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-1.70	
		For >500, Deduct	-2.04	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-1.70	
		For >500, Deduct	-2.04	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.85	
		For >100 To 250, Deduct	-1.39	
		For >250 To 500, Deduct	-1.74	
		For >500, Deduct	-2.08	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.84	
		For >100 To 250, Deduct	-1.39	
		For >250 To 500, Deduct	-1.74	
		For >500, Deduct	-2.08	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.25	
		For >100 To 250, Deduct	-1.39	
		For >250 To 500, Deduct	-1.74	
		For >500, Deduct	-2.08	
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.14	
		For >100 To 250, Deduct	-1.42	
		For >250 To 500, Deduct	-1.77	
		For >500, Deduct	-2.12	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.07	
		For >100 To 250, Deduct	-1.42	
		For >250 To 500, Deduct	-1.77	
		For >500, Deduct	-2.12	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.22	
		For >100 To 250, Deduct	-1.42	
		For >250 To 500, Deduct	-1.77	
		For >500, Deduct	-2.12	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.02	
		For >100 To 250, Deduct	-1.42	
		For >250 To 500, Deduct	-1.77	
		For >500, Deduct	-2.12	
05 05 23 00-0596		3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.08	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.26	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.38	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.77	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.13	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.18	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.76	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.86	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.28	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.94	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.69	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.09	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.93	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.68	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.06	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.04	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.40	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.37	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.73	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0616		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.32	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.78	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.61	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.00	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.16	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.59	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.93	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.79	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.91	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.17	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.40	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.62	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.95	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.30	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.53	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.91	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.25	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.05	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.64	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.79	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.45	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.32	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0640 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.94	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.51
	For >100 To 250, Deduct	-1.47
	For >250 To 500, Deduct	-1.84
	For >500, Deduct	-2.21
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.91
	For >100 To 250, Deduct	-1.47
	For >250 To 500, Deduct	-1.84
	For >500, Deduct	-2.21
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.77
	For >100 To 250, Deduct	-1.47
	For >250 To 500, Deduct	-1.84
	For >500, Deduct	-2.21
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.79
	For >100 To 250, Deduct	-1.50
	For >250 To 500, Deduct	-1.88
	For >500, Deduct	-2.25
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.58
	For >100 To 250, Deduct	-1.50
	For >250 To 500, Deduct	-1.88
	For >500, Deduct	-2.25
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.48
	For >100 To 250, Deduct	-1.50
	For >250 To 500, Deduct	-1.88
	For >500, Deduct	-2.25
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.22
	For >100 To 250, Deduct	-1.53
	For >250 To 500, Deduct	-1.91
	For >500, Deduct	-2.30
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.63
	For >100 To 250, Deduct	-1.53
	For >250 To 500, Deduct	-1.91
	For >500, Deduct	-2.30
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.39
	For >100 To 250, Deduct	-1.53
	For >250 To 500, Deduct	-1.91
	For >500, Deduct	-2.30
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.89
	For >100 To 250, Deduct	-1.56
	For >250 To 500, Deduct	-1.95
	For >500, Deduct	-2.34
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.17
	For >100 To 250, Deduct	-1.56
	For >250 To 500, Deduct	-1.95
	For >500, Deduct	-2.34
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	40.52
	For >100 To 250, Deduct	-1.56
	For >250 To 500, Deduct	-1.95
	For >500, Deduct	-2.34
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.58
	For >100 To 250, Deduct	-1.56
	For >250 To 500, Deduct	-1.95
	For >500, Deduct	-2.34

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.34
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.58
	For >100 To 250, Deduct	-0.99
	For >250 To 500, Deduct	-1.24
	For >500, Deduct	-1.49
05 05 23 00-0660	EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0661	EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0662	EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.03
	For >100 To 250, Deduct	-1.02
	For >250 To 500, Deduct	-1.28
	For >500, Deduct	-1.53
05 05 23 00-0663	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19
	For >100 To 250, Deduct	-1.05
	For >250 To 500, Deduct	-1.31
	For >500, Deduct	-1.58

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.36	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.66	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.80	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.86	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.53	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.03	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.65	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.70	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.72	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.50	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.58	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.84	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.88	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.22	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.46	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.59	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.73	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.26	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.34	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.45	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.55	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	5.84	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.10	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.33	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.50	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.86	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.98	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.26	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.52	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.91	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.97	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.18	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	6.73	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0708	EA	7/16"	Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0709	EA	7/16"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0710	EA	7/16"	Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.41	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0711	EA	7/16"	Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.43	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0712	EA	7/16"	Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.47	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0713	EA	7/16"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0714	EA	7/16"	Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0715	EA	7/16"	Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0716	EA	7/16"	Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0717	EA	7/16"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.50	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0719	EA	1/2"	Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0720	EA	1/2"	Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.67	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0721	EA	1/2"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.70	
05 05 23 00-0722	EA	1/2"	Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0723	EA	1/2"	Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0724	EA	1/2"	Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.74	
05 05 23 00-0725	EA	1/2"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.45	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0726	EA	1/2"	Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.63	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0727	EA	1/2"	Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.49	
			<i>For >500, Deduct</i>	-1.79	
05 05 23 00-0728	EA	1/2"	Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.32	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0729	EA	1/2"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.74	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-1.83	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.42	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.06	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.31	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.51	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0738		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.81	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.02	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.00	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.29	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.14	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.34	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.83	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.27	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.03	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.74	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.35	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.47	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.02	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.21	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.37	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.12	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.66	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.13	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.11	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.53	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.47	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.60	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.00	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.74
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.17
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.41
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.53
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.13
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61
		<i>For >100 To 250, Deduct</i>	-1.42
		<i>For >250 To 500, Deduct</i>	-1.77
		<i>For >500, Deduct</i>	-2.12
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.03
		<i>For >100 To 250, Deduct</i>	-1.45
		<i>For >250 To 500, Deduct</i>	-1.81
		<i>For >500, Deduct</i>	-2.17
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.52
		<i>For >100 To 250, Deduct</i>	-1.45
		<i>For >250 To 500, Deduct</i>	-1.81
		<i>For >500, Deduct</i>	-2.17
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.89
		<i>For >100 To 250, Deduct</i>	-1.45
		<i>For >250 To 500, Deduct</i>	-1.81
		<i>For >500, Deduct</i>	-2.17
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.51
		<i>For >100 To 250, Deduct</i>	-1.47
		<i>For >250 To 500, Deduct</i>	-1.84
		<i>For >500, Deduct</i>	-2.21
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.03
		<i>For >100 To 250, Deduct</i>	-1.47
		<i>For >250 To 500, Deduct</i>	-1.84
		<i>For >500, Deduct</i>	-2.21
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.70
		<i>For >100 To 250, Deduct</i>	-1.47
		<i>For >250 To 500, Deduct</i>	-1.84
		<i>For >500, Deduct</i>	-2.21
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.30
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.82
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.94
		<i>For >100 To 250, Deduct</i>	-1.50
		<i>For >250 To 500, Deduct</i>	-1.88
		<i>For >500, Deduct</i>	-2.25
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.65
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.61
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.84
		<i>For >100 To 250, Deduct</i>	-1.53
		<i>For >250 To 500, Deduct</i>	-1.91
		<i>For >500, Deduct</i>	-2.30
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.25
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.79
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.45
		<i>For >100 To 250, Deduct</i>	-1.56
		<i>For >250 To 500, Deduct</i>	-1.95
		<i>For >500, Deduct</i>	-2.34

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0796	EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.08	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>			
05 05 23 00-0798	EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.47	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0799	EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.77	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0800	EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.66	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0801	EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.37	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0802	EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.12	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0803	EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.48	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0804	EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.52	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0805	EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.77	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0806	EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.15	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0807	EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.68	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0808	EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.49	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0809	EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.97	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0810	EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.43	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0811	EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.02	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0812	EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.21	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0813	EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.12	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0814	EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.45	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>			
05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>			
05 05 23 00-0817	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.23	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-0818	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	5.33	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.45	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.59	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.86	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.06	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.30	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.62	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.91	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.18	
		<i>For >100 To 250, Deduct</i>	-1.05	
		<i>For >250 To 500, Deduct</i>	-1.31	
		<i>For >500, Deduct</i>	-1.58	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.54	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.29	
		<i>For >100 To 250, Deduct</i>	-1.08	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.62	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.03	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.28	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.87	
		<i>For >100 To 250, Deduct</i>	-1.11	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-1.66	
05 05 23 00-0833		5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.41	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.50	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.69	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.85	
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.49	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.26	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.36	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.53	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.34	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.90	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.71	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.97	
		For >100 To 250, Deduct	-1.11	
		For >250 To 500, Deduct	-1.38	
		For >500, Deduct	-1.66	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.65	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.49	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.76	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.49	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.06	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.49	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.44	
		For >100 To 250, Deduct	-0.99	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.49	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.77	
		For >100 To 250, Deduct	-1.02	
		For >250 To 500, Deduct	-1.28	
		For >500, Deduct	-1.53	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.08	
		For >100 To 250, Deduct	-1.02	
		For >250 To 500, Deduct	-1.28	
		For >500, Deduct	-1.53	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.48	
		For >100 To 250, Deduct	-1.02	
		For >250 To 500, Deduct	-1.28	
		For >500, Deduct	-1.53	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.45	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.58	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.35	
		For >500, Deduct	-1.62	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.02	
		For >100 To 250, Deduct	-1.11	
		For >250 To 500, Deduct	-1.38	
		For >500, Deduct	-1.66	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0863	EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.28	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-0864	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.11	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-0865	7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866	EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.32	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0867	EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.44	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0868	EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.93	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0869	EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.36	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0870	EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.94	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0871	EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.91	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0872	EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.50	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0873	EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.64	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0874	EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.13	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0875	EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.84	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0876	EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.57	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0877	EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.81	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0878	EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.15	
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-1.87	
05 05 23 00-0879	1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0880	EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.31	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0881	EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.44	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0882	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.21	
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-1.70	
05 05 23 00-0883	EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.65	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0884	EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.35	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	
05 05 23 00-0885	EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.72	
	For >100 To 250, Deduct	-1.16	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-1.74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.32	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.65	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.47	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.12	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.93	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.86	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-1.83	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.38	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0893 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.93	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0894 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.80	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-1.87	
05 05 23 00-0895 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.22	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0896 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.56	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0897 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.97	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0898 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.37	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-1.91	
05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.30	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0901 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.88	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0902 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.65	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.70	
05 05 23 00-0903 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.35	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0904 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.33	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0905 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.05	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.74	
05 05 23 00-0906 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.72	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	
05 05 23 00-0907 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.10	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.49	
For >500, Deduct	-1.79	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.74	
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-1.79	
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.59	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.53	
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.53	
	For >500, Deduct	-1.83	
05 05 23 00-0911	5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0915)		
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.36	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.72	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0914	EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.23	
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-1.91	
05 05 23 00-0915	EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.62	
	For >100 To 250, Deduct	-1.30	
	For >250 To 500, Deduct	-1.63	
	For >500, Deduct	-1.96	
05 05 23 00-0916	EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.34	
	For >100 To 250, Deduct	-1.30	
	For >250 To 500, Deduct	-1.63	
	For >500, Deduct	-1.96	
05 05 23 00-0917	EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.37	
	For >100 To 250, Deduct	-1.30	
	For >250 To 500, Deduct	-1.63	
	For >500, Deduct	-1.96	
05 05 23 00-0918	EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.80	
	For >100 To 250, Deduct	-1.33	
	For >250 To 500, Deduct	-1.67	
	For >500, Deduct	-2.00	
05 05 23 00-0919	EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.81	
	For >100 To 250, Deduct	-1.33	
	For >250 To 500, Deduct	-1.67	
	For >500, Deduct	-2.00	
05 05 23 00-0920	EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.96	
	For >100 To 250, Deduct	-1.33	
	For >250 To 500, Deduct	-1.67	
	For >500, Deduct	-2.00	
05 05 23 00-0921	EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.76	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0922	EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.80	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0923	EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.60	
	For >100 To 250, Deduct	-1.36	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.04	
05 05 23 00-0924	EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.81	
	For >100 To 250, Deduct	-1.39	
	For >250 To 500, Deduct	-1.74	
	For >500, Deduct	-2.08	
05 05 23 00-0925	EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.53	
	For >100 To 250, Deduct	-1.39	
	For >250 To 500, Deduct	-1.74	
	For >500, Deduct	-2.08	
05 05 23 00-0926	EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.31	
	For >100 To 250, Deduct	-1.39	
	For >250 To 500, Deduct	-1.74	
	For >500, Deduct	-2.08	
05 05 23 00-0927	EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.63	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0928	EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.64	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0929	EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.16	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.02	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0931		3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.01	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.72	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.65	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.80	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.83	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.56	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.73	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.33	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.62	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.09	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.59	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.41	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.02	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.41	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.51	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.88	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.69	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.86	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.54	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-0951		7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.15	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0953	EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.91	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0954	EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.40	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0955	EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.19	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0956	EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.78	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0957	EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.39	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0958	EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.95	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0959	EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.85	
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-1.84	
	For >500, Deduct	-2.21	
05 05 23 00-0960	EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.57	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0961	EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.07	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0962	EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.32	
	For >100 To 250, Deduct	-1.50	
	For >250 To 500, Deduct	-1.88	
	For >500, Deduct	-2.25	
05 05 23 00-0963	EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.62	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0964	EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.32	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0965	EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	48.31	
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.30	
05 05 23 00-0966	EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.51	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0967	EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.76	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0968	EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	68.12	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	
05 05 23 00-0969	EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	71.46	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-1.95	
	For >500, Deduct	-2.34	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0970)

05 05 23 00-0971	EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.42	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0972	EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.71	
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.12	
05 05 23 00-0973	EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.77	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	
05 05 23 00-0974	EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.39	
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.19	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.05	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.80	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.51	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.67	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.03	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	55.49	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.87	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	58.26	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.18	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.44	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	84.76	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	107.26	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
 05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0997)		
05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991 EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.42	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0992 EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.62	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0993 EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.77	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0994 EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	5.87	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.49	
05 05 23 00-0995 EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.30	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0996 EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.57	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	
05 05 23 00-0997 EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	6.83	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-1.53	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	7.18	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-0999	EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	7.40	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-1000	EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	7.50	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-1001	EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.32	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-1002	EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	8.50	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-1003	EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	15.26	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-1004	EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	23.60	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-1005	EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	41.65	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	
05 05 23 00-1006	EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	45.77	
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.38	
	For >500, Deduct	-1.66	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0998)

05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.70	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.93	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.31	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-1011	EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.61	
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.49	
05 05 23 00-1012	EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.87	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-1013	EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.47	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-1014	EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.88	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.53	
05 05 23 00-1015	EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	8.20	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-1016	EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.09	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-1017	EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	9.27	
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.31	
	For >500, Deduct	-1.58	
05 05 23 00-1018	EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.04	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	
05 05 23 00-1019	EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	10.73	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.35	
	For >500, Deduct	-1.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.48	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1021 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.80	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.66	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.31	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1024 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.40	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1025 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.76	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1026 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.62	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.49	
05 05 23 00-1027 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.06	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.53	
05 05 23 00-1028 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	8.22	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.53	
05 05 23 00-1029 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.28	
<i>For >500, Deduct</i>	-1.53	
05 05 23 00-1030 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	9.22	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1031 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.69	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1032 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	10.01	
<i>For >100 To 250, Deduct</i>	-1.05	
<i>For >250 To 500, Deduct</i>	-1.31	
<i>For >500, Deduct</i>	-1.58	
05 05 23 00-1033 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.19	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1034 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	12.45	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1035 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.50	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.35	
<i>For >500, Deduct</i>	-1.62	
05 05 23 00-1036 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.85	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.66	
05 05 23 00-1037 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.06	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.66	
05 05 23 00-1038 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	26.69	
<i>For >100 To 250, Deduct</i>	-1.11	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.66	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1040 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.44	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.98	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.00	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.70	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.01	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.98	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.57	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.24	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.52	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	16.10	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.64	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.05	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.47	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	17.94	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	8.42	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.00	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.82	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.93	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.83	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.05	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.56	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.30	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	17.82	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.23	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	18.79	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.14	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	26.19	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.08	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	31.20	
		<i>For >100 To 250, Deduct</i>	-1.25	
		<i>For >250 To 500, Deduct</i>	-1.56	
		<i>For >500, Deduct</i>	-1.87	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.59	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	44.91	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.79	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.15	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	23.00	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.92	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	31.32	
		<i>For >100 To 250, Deduct</i>	-1.13	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500, Deduct</i>	-1.70	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.05	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	38.84	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.62	
		<i>For >100 To 250, Deduct</i>	-1.16	
		<i>For >250 To 500, Deduct</i>	-1.45	
		<i>For >500, Deduct</i>	-1.74	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	45.12	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.24	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	51.01	
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-1.49	
		<i>For >500, Deduct</i>	-1.79	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.00	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	54.44	
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500, Deduct</i>	-1.83	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.09	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.26	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.31	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.55	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.67	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.24	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	19.13	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.25	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	23.33	
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.52	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	26.41	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.87	
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-1.70	
		<i>For >500, Deduct</i>	-2.04	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	33.98	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.67	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	37.22	
		<i>For >100 To 250, Deduct</i>	-1.39	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500, Deduct</i>	-2.08	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.67	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	41.83	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.14	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	63.17	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1105		3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989).....	16.43	
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	16.43	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.82	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.30	
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.75	
		<i>For >100 To 250, Deduct</i>	-1.30	
		<i>For >250 To 500, Deduct</i>	-1.63	
		<i>For >500, Deduct</i>	-1.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	22.52	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-1.96	
05 05 23 00-1111 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.13	
For >100 To 250, Deduct	-1.30	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-1.96	
05 05 23 00-1112 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	27.69	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-1113 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.11	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-1114 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	29.89	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-1115 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.07	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-1116 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.84	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-1117 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.30	
For >100 To 250, Deduct	-1.36	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.04	
05 05 23 00-1118 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	46.35	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-1119 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.50	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-1120 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	53.43	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.08	
05 05 23 00-1121 EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.27	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1122 EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	66.61	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1123 EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	67.40	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1124 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	69.37	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.55	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1127 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	21.11	
For >100 To 250, Deduct	-1.42	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.12	
05 05 23 00-1128 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.66	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-1129 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	26.25	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-1130 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.86	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-1.81	
For >500, Deduct	-2.17	
05 05 23 00-1131 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	29.42	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.21	

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.59	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.49	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.75	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	38.38	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.08	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	58.26	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.76	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	67.97	
		<i>For >100 To 250, Deduct</i>	-1.53	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	72.28	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	75.06	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.82	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	80.93	
		<i>For >100 To 250, Deduct</i>	-1.56	
		<i>For >250 To 500, Deduct</i>	-1.95	
		<i>For >500, Deduct</i>	-2.34	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	24.19	
		<i>For >100 To 250, Deduct</i>	-1.42	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500, Deduct</i>	-2.12	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.29	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	30.94	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.17	
		<i>For >100 To 250, Deduct</i>	-1.45	
		<i>For >250 To 500, Deduct</i>	-1.81	
		<i>For >500, Deduct</i>	-2.17	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.82	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.69	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	42.59	
		<i>For >100 To 250, Deduct</i>	-1.47	
		<i>For >250 To 500, Deduct</i>	-1.84	
		<i>For >500, Deduct</i>	-2.21	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.64	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	53.13	
		<i>For >100 To 250, Deduct</i>	-1.50	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500, Deduct</i>	-2.25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.51	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.25	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	70.74	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	79.23	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	80.45	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	83.37	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	84.53	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	98.62	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	112.22	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-1162 Screws (05 05 23)		
05 05 23 00-1163 Teks® 5 Self Drilling Screws (05 05 23 00-1162)		
Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	2.72	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.49	
05 05 23 00-1165 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	2.85	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
05 05 23 00-1166 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.20	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.27	
For >100, Deduct	-0.54	
05 05 23 00-1167 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.43	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.35	
For >100, Deduct	-0.69	
05 05 23 00-1168 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.74	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.37	
For >100, Deduct	-0.73	
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	5.93	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.41	
For >100, Deduct	-0.82	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	6.66	
For >10 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.44	
For >100, Deduct	-0.88	
05 05 23 00-1171 Security Screws (05 05 23 00-1162)		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	2.14	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.41	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	2.54	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.43	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	2.88	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.44	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.00	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.45	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1177	EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.22	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1178	EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.63	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1179	EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.79	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1180	EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.13	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1181	EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.23	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1182	EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.73	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1183	EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.77	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1184	EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.92	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.44	
05 05 23 00-1185	EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.38	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1186	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.00	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.22	
	<i>For >100, Deduct</i>	-0.45	
05 05 23 00-1187	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	3.10	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.23	
	<i>For >100, Deduct</i>	-0.45	
05 05 23 00-1188	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.54	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.24	
	<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1189	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	4.24	
	<i>For >10 To 50, Deduct</i>	-0.10	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100, Deduct</i>	-0.51	

05 05 23 00-1190 Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	1.97	0.41
	<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1193	LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	2.63	0.45
	<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1194	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.05	0.52
	<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1195	LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.21	0.54
	<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1196	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.32	0.56
	<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1197	LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	5.41	0.56
	<i>For Left Hand Threaded Rod, Add</i>	0.43	
05 05 23 00-1198	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	6.13	0.57
	<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1199	LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.23	0.59
	<i>For Left Hand Threaded Rod, Add</i>	0.91	
05 05 23 00-1200	LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	11.17	0.61
	<i>For Left Hand Threaded Rod, Add</i>	1.00	
05 05 23 00-1201	LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	15.35	0.69
	<i>For Left Hand Threaded Rod, Add</i>	1.40	
05 05 23 00-1202	LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	19.17	0.76
	<i>For Left Hand Threaded Rod, Add</i>	1.76	
05 05 23 00-1203	LF 1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	25.51	0.83
	<i>For Left Hand Threaded Rod, Add</i>	2.38	
05 05 23 00-1204	LF 1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	31.82	0.90
	<i>For Left Hand Threaded Rod, Add</i>	3.00	
05 05 23 00-1205	LF 1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	38.14	0.94
	<i>For Left Hand Threaded Rod, Add</i>	3.63	
05 05 23 00-1206	LF 1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	46.86	0.98
	<i>For Left Hand Threaded Rod, Add</i>	4.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1207	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	59.99 5.79	1.03
05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>					
05 05 23 00-1209	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	1.98 0.12	0.41
05 05 23 00-1210	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.01 0.21	0.45
05 05 23 00-1211	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.34 0.23	0.52
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.92 0.39	0.54
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.32 0.42	0.56
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.04 0.59	0.56
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.49 0.64	0.57
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.40 1.02	0.59
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.85 1.36	0.61
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	19.99 1.86	0.69
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	25.88 2.44	0.76
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	30.90 2.92	0.83
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.17 3.34	0.90
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	44.39 4.25	0.94
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	55.10 5.31	0.98
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	80.61 7.86	1.03
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>					
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.68 0.47	0.52
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.04 0.69	0.56
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.94 0.98	0.57
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.12 1.40	0.59
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.04 1.98	0.61
05 05 23 00-1231	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	27.20 2.58	0.69
05 05 23 00-1232	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.86 3.43	0.76
05 05 23 00-1233	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	47.24 4.55	0.83
05 05 23 00-1234	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	52.82 5.10	0.90
05 05 23 00-1235	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	62.95 6.11	0.94
05 05 23 00-1236	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	76.56 7.46	0.98
05 05 23 00-1237	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	134.01 13.20	1.03
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>					
05 05 23 00-1239	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.92 0.21	0.41
05 05 23 00-1240	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.49 0.36	0.45
05 05 23 00-1241	LF		3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.81 0.48	0.52
05 05 23 00-1242	LF		7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.17 0.71	0.54
05 05 23 00-1243	LF		1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.86 0.88	0.56
05 05 23 00-1244	LF		9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.30 1.32	0.56
05 05 23 00-1245	LF		5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.93 1.38	0.57
05 05 23 00-1246	LF		3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.03 1.99	0.59
05 05 23 00-1247	LF		7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	29.03 2.78	0.61
05 05 23 00-1248	LF		1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	37.29 3.59	0.69

05 Metals

05 05 Common Work Results for Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1249	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	79.28 7.76	0.83
05 05 23 00-1250	LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	120.91 11.90	0.94
05 05 23 00-1251	LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	124.36 12.24	0.98
05 05 23 00-1252	LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	172.27 17.02	1.03
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)			
05 05 23 00-1254	LF 1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.33 0.35	0.41
05 05 23 00-1255	LF 5/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.10 0.62	0.45
05 05 23 00-1256	LF 3/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.47 0.84	0.52
05 05 23 00-1257	LF 7/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.93 1.39	0.54
05 05 23 00-1258	LF 1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.85 1.48	0.56
05 05 23 00-1259	LF 9/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.88 1.98	0.56
05 05 23 00-1260	LF 5/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.49 2.14	0.57
05 05 23 00-1261	LF 3/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	32.92 3.18	0.59
05 05 23 00-1262	LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	45.17 4.40	0.61
05 05 23 00-1263	LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	57.21 5.58	0.69
05 05 23 00-1264	LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	121.12 11.94	0.83
05 05 23 00-1265	LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	158.85 15.70	0.94
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)			
05 05 23 00-1267	LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	3.57 1.37	0.41
05 05 23 00-1268	LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.61 2.35	0.45
05 05 23 00-1269	LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	5.84 2.41	0.52
05 05 23 00-1270	LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.39 2.67	0.54
05 05 23 00-1271	LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	7.07 2.99	0.56
05 05 23 00-1272	LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	8.91 3.90	0.56
05 05 23 00-1273	LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.20 4.03	0.57
05 05 23 00-1274	LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	12.31 5.57	0.59
05 05 23 00-1275	LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	14.81 6.80	0.61
05 05 23 00-1276	LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	19.27 8.95	0.69
05 05 23 00-1277	LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.16 11.82	0.76
05 05 23 00-1278	LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	28.00 13.14	0.83
05 05 23 00-1279	LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	32.37 15.29	0.90
05 05 23 00-1280	LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	39.45 18.79	0.94
05 05 23 00-1281	LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	40.78 19.41	0.98
05 05 23 00-1282	LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	54.91 26.43	1.03
05 05 23 00-1283 Nuts And Washers (05 05 23)			
05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)			
05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1286	EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.46	0.20
05 05 23 00-1287	EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.51	0.20
05 05 23 00-1288	EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.55	0.20
05 05 23 00-1289	EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.67	0.20
05 05 23 00-1290	EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.75	0.20
05 05 23 00-1291	EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.05	0.20
05 05 23 00-1292	EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.09	0.20
05 05 23 00-1293	EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.32	0.39
05 05 23 00-1294	EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.05	0.39
05 05 23 00-1295	EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.65	0.39
05 05 23 00-1296	EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.49	0.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1297	EA	1-1/4"	Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.52	0.39
05 05 23 00-1298	EA	1-3/8"	Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.31	0.39
05 05 23 00-1299	EA	1-1/2"	Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	9.67	0.60
05 05 23 00-1300	EA	1-3/4"	Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	14.37	0.60
05 05 23 00-1301	EA	2"	Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	20.95	0.60

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts <small>(05 05 23 00-1284)</small>					
05 05 23 00-1303	EA	1/4"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.48	0.20
05 05 23 00-1304	EA	5/16"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.52	0.20
05 05 23 00-1305	EA	3/8"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.58	0.20
05 05 23 00-1306	EA	7/16"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.71	0.20
05 05 23 00-1307	EA	1/2"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.86	0.20
05 05 23 00-1308	EA	9/16"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.09	0.20
05 05 23 00-1309	EA	5/8"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.11	0.20
05 05 23 00-1310	EA	3/4"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.53	0.39
05 05 23 00-1311	EA	7/8"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.26	0.39
05 05 23 00-1312	EA	1"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.27	0.39
05 05 23 00-1313	EA	1-1/8"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.11	0.39
05 05 23 00-1314	EA	1-1/4"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.34	0.39
05 05 23 00-1315	EA	1-3/8"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	10.95	0.39
05 05 23 00-1316	EA	1-1/2"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.12	0.60
05 05 23 00-1317	EA	1-3/4"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	22.19	0.60
05 05 23 00-1318	EA	2"	Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	31.99	0.60

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts <small>(05 05 23 00-1284)</small>					
05 05 23 00-1320	EA	1/4"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.49	0.20
05 05 23 00-1321	EA	5/16"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.58	0.20
05 05 23 00-1322	EA	3/8"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.64	0.20
05 05 23 00-1323	EA	7/16"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.84	0.20
05 05 23 00-1324	EA	1/2"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.05	0.20
05 05 23 00-1325	EA	9/16"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.30	0.20
05 05 23 00-1326	EA	5/8"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.50	0.20
05 05 23 00-1327	EA	3/4"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.91	0.39
05 05 23 00-1328	EA	7/8"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.99	0.39
05 05 23 00-1329	EA	1"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.04	0.39
05 05 23 00-1330	EA	1-1/8"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	6.47	0.39
05 05 23 00-1331	EA	1-1/4"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.12	0.39
05 05 23 00-1332	EA	1-3/8"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.62	0.39
05 05 23 00-1333	EA	1-1/2"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.46	0.60
05 05 23 00-1334	EA	1-3/4"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	22.26	0.60
05 05 23 00-1335	EA	2"	Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	31.63	0.60

05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1284)</small>					
05 05 23 00-1337	EA	1/4"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.49	0.20
05 05 23 00-1338	EA	5/16"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.56	0.20
05 05 23 00-1339	EA	3/8"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.61	0.20
05 05 23 00-1340	EA	7/16"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.20
05 05 23 00-1341	EA	1/2"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.97	0.20
05 05 23 00-1342	EA	9/16"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.10	0.20
05 05 23 00-1343	EA	5/8"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.23	0.20
05 05 23 00-1344	EA	3/4"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.72	0.39
05 05 23 00-1345	EA	7/8"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.61	0.39
05 05 23 00-1346	EA	1"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.67	0.39
05 05 23 00-1347	EA	1-1/8"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.25	0.39
05 05 23 00-1348	EA	1-1/4"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.07	0.39
05 05 23 00-1349	EA	1-3/8"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	12.16	0.39
05 05 23 00-1350	EA	1-1/2"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.24	0.60
05 05 23 00-1351	EA	1-3/4"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	25.12	0.60
05 05 23 00-1352	EA	2"	Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	43.77	0.60

05 05 23 00-1353 304 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>					
05 05 23 00-1354	EA	1/4"	Diameter, 304 Stainless Steel Hex Nut.....	0.56	0.20
05 05 23 00-1355	EA	5/16"	Diameter, 304 Stainless Steel Hex Nut.....	0.67	0.20
05 05 23 00-1356	EA	3/8"	Diameter, 304 Stainless Steel Hex Nut.....	0.77	0.20
05 05 23 00-1357	EA	7/16"	Diameter, 304 Stainless Steel Hex Nut.....	1.22	0.20
05 05 23 00-1358	EA	1/2"	Diameter, 304 Stainless Steel Hex Nut.....	1.34	0.20
05 05 23 00-1359	EA	9/16"	Diameter, 304 Stainless Steel Hex Nut.....	2.12	0.20
05 05 23 00-1360	EA	5/8"	Diameter, 304 Stainless Steel Hex Nut.....	2.38	0.20
05 05 23 00-1361	EA	3/4"	Diameter, 304 Stainless Steel Hex Nut.....	2.76	0.39
05 05 23 00-1362	EA	7/8"	Diameter, 304 Stainless Steel Hex Nut.....	4.66	0.39
05 05 23 00-1363	EA	1"	Diameter, 304 Stainless Steel Hex Nut.....	7.22	0.39
05 05 23 00-1364	EA	1-1/4"	Diameter, 304 Stainless Steel Hex Nut.....	17.63	0.39
05 05 23 00-1365	EA	1-1/2"	Diameter, 304 Stainless Steel Hex Nut.....	34.14	0.60
05 05 23 00-1366	EA	1-3/4"	Diameter, 304 Stainless Steel Hex Nut.....	60.27	0.60
05 05 23 00-1367	EA	2"	Diameter, 304 Stainless Steel Hex Nut.....	86.04	0.60

05 05 23 00-1368 316 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>					
05 05 23 00-1369	EA	1/4"	Diameter, 316 Stainless Steel Hex Nut.....	0.68	0.20
05 05 23 00-1370	EA	5/16"	Diameter, 316 Stainless Steel Hex Nut.....	0.78	0.20

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	0.95	0.20
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.67	0.20
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.80	0.20
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.51	0.20
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	2.85	0.20
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.05	0.39
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	5.72	0.39
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	8.90	0.39
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	27.51	0.39
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	44.68	0.60
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	75.62	0.60
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	140.88	0.60

05 05 23 00-1383 Flat Washers (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers** (05 05 23 00-1383)

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.08	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.14	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.21	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.30	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.58	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.83	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.99	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.21	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.37	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.64	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.57	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.64	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.90	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.85	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.18	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.38	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.52	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.83	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.19	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.68	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.80	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.10	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.52	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.93	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.50	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.43	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.99	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.99	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.12	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.17	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.35	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.45	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.73	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.82	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.24	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.75	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.92	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.93	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.26	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.66	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.05	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	7.33	

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.13	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.46	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.83	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.04	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.53	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.55	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.27	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.15	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.83	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.20	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.49	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.70	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.32	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	16.35	

05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.25	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.28	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.49	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.58	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.08	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	1.94	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.29	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	2.88	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.46	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	4.99	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	5.69	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.00	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.40	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	7.57	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.09	

05 05 23 00-1467 Lock Washers (05 05 23 00-1283)

05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)

05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.33	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.55	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.99	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.45	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.23	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.52	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.14	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.39	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.33	

05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)

05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.25	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.32	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.38	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.64	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.92	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.45	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.62	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.13	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.52	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.17	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	7.00	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.53	

05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)

05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.11	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.40	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.44	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.07	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.26	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.47	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.66	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.76	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.56	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	8.72	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	11.09	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	13.31	

05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.13	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.29	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.58
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.64
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.14
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.25
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.16
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.58
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	4.87
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	6.79
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	10.46
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	18.72
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	20.79
05 05 23 00-1532		Load Indicating Washers (05 05 23 00-1283)	
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)	
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)	
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.41
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.73
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.94
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.34
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.04
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.72
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.67
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	11.07
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.18
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)	
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.05
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.40
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.30
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.04
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.78
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.21
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	9.07
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	12.91
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	14.20
05 05 23 00-1554		Beveled Washers (05 05 23 00-1283)	
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)	
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	3.98
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.06
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	4.16
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	5.05
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	5.32
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)	
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.73
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.98
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	5.98
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.33
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	6.73
05 05 23 00-1567		Drilling In Steel Plates (05 05 23)	
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	16.36
		For Aluminum, Deduct	-1.64
		For Stainless Steel, Add	2.05
		For >5 To 10, Deduct	-1.64
		For >10 To 25, Deduct	-4.09
		For >25 To 50, Deduct	-5.73
		For >50, Deduct	-8.18
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	19.25
		For Aluminum, Deduct	-1.93
		For Stainless Steel, Add	2.41
		For >5 To 10, Deduct	-1.93
		For >10 To 25, Deduct	-4.81
		For >25 To 50, Deduct	-6.74
		For >50, Deduct	-9.63
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	23.11
		For Aluminum, Deduct	-2.31
		For Stainless Steel, Add	2.89
		For >5 To 10, Deduct	-2.31
		For >10 To 25, Deduct	-5.78
		For >25 To 50, Deduct	-8.09
		For >50, Deduct	-11.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1571	EA	>1-1/2" To 4"	Diameter Drill Through Up To 1/4" Steel Plate.....	26.95	
			<i>For Aluminum, Deduct</i>	-2.70	
			<i>For Stainless Steel, Add</i>	3.37	
			<i>For >5 To 10, Deduct</i>	-2.70	
			<i>For >10 To 25, Deduct</i>	-6.74	
			<i>For >25 To 50, Deduct</i>	-9.43	
			<i>For >50, Deduct</i>	-13.48	
05 05 23 00-1572	EA	>4" To 10"	Diameter Drill Through Up To 1/4" Steel Plate.....	36.10	
			<i>For Aluminum, Deduct</i>	-3.61	
			<i>For Stainless Steel, Add</i>	4.51	
			<i>For >5 To 10, Deduct</i>	-3.61	
			<i>For >10 To 25, Deduct</i>	-9.03	
			<i>For >25 To 50, Deduct</i>	-12.64	
			<i>For >50, Deduct</i>	-18.05	
05 05 23 00-1573	EA	Up To 1/2"	Diameter Drill Through >1/4" To 1/2" Steel Plate.....	19.25	
			<i>For Aluminum, Deduct</i>	-1.93	
			<i>For Stainless Steel, Add</i>	2.41	
			<i>For >5 To 10, Deduct</i>	-1.93	
			<i>For >10 To 25, Deduct</i>	-4.81	
			<i>For >25 To 50, Deduct</i>	-6.74	
			<i>For >50, Deduct</i>	-9.63	
05 05 23 00-1574	EA	>1/2" To 7/8"	Diameter Drill Through >1/4" To 1/2" Steel Plate.....	24.06	
			<i>For Aluminum, Deduct</i>	-2.41	
			<i>For Stainless Steel, Add</i>	3.01	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-6.02	
			<i>For >25 To 50, Deduct</i>	-8.42	
			<i>For >50, Deduct</i>	-12.03	
05 05 23 00-1575	EA	>7/8" To 1-1/2"	Diameter Drill Through >1/4" To 1/2" Steel Plate.....	28.87	
			<i>For Aluminum, Deduct</i>	-2.89	
			<i>For Stainless Steel, Add</i>	3.61	
			<i>For >5 To 10, Deduct</i>	-2.89	
			<i>For >10 To 25, Deduct</i>	-7.22	
			<i>For >25 To 50, Deduct</i>	-10.10	
			<i>For >50, Deduct</i>	-14.44	
05 05 23 00-1576	EA	>1-1/2" To 4"	Diameter Drill Through >1/4" To 1/2" Steel Plate.....	36.10	
			<i>For Aluminum, Deduct</i>	-3.61	
			<i>For Stainless Steel, Add</i>	4.51	
			<i>For >5 To 10, Deduct</i>	-3.61	
			<i>For >10 To 25, Deduct</i>	-9.03	
			<i>For >25 To 50, Deduct</i>	-12.64	
			<i>For >50, Deduct</i>	-18.05	
05 05 23 00-1577	EA	Up To 1/2"	Diameter Drill Through >1/2" To 1" Steel Plate.....	24.06	
			<i>For Aluminum, Deduct</i>	-2.41	
			<i>For Stainless Steel, Add</i>	3.01	
			<i>For >5 To 10, Deduct</i>	-2.41	
			<i>For >10 To 25, Deduct</i>	-6.02	
			<i>For >25 To 50, Deduct</i>	-8.42	
			<i>For >50, Deduct</i>	-12.03	
05 05 23 00-1578	EA	>1/2" To 7/8"	Diameter Drill Through >1/2" To 1" Steel Plate.....	31.76	
			<i>For Aluminum, Deduct</i>	-3.18	
			<i>For Stainless Steel, Add</i>	3.97	
			<i>For >5 To 10, Deduct</i>	-3.18	
			<i>For >10 To 25, Deduct</i>	-7.94	
			<i>For >25 To 50, Deduct</i>	-11.12	
			<i>For >50, Deduct</i>	-15.88	
05 05 23 00-1579	EA	>7/8" To 1-1/2"	Diameter Drill Through >1/2" To 1" Steel Plate.....	38.51	
			<i>For Aluminum, Deduct</i>	-3.85	
			<i>For Stainless Steel, Add</i>	4.81	
			<i>For >5 To 10, Deduct</i>	-3.85	
			<i>For >10 To 25, Deduct</i>	-9.63	
			<i>For >25 To 50, Deduct</i>	-13.48	
			<i>For >50, Deduct</i>	-19.26	

05 05 23 00-1580 Welded Stud Anchors (05 05 23)

05 05 23 00-1581	EA	1-1/8" Long x 1/4"	Diameter, Welded Stud Concrete Anchors.....	3.25	
05 05 23 00-1582	EA	2-11/16" Long x 1/4"	Diameter, Welded Stud Concrete Anchors.....	3.32	
05 05 23 00-1583	EA	3-1/8" Long x 1/4"	Diameter, Welded Stud Concrete Anchors.....	3.35	
05 05 23 00-1584	EA	4-1/8" Long x 1/4"	Diameter, Welded Stud Concrete Anchors.....	3.38	
05 05 23 00-1585	EA	1-3/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	3.21	
05 05 23 00-1586	EA	1-5/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	3.38	
05 05 23 00-1587	EA	2-1/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	3.55	
05 05 23 00-1588	EA	2-5/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	3.64	
05 05 23 00-1589	EA	3-1/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	3.73	
05 05 23 00-1590	EA	4-1/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	4.09	
05 05 23 00-1591	EA	5-1/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	4.38	
05 05 23 00-1592	EA	6-1/8" Long x 3/8"	Diameter, Welded Stud Concrete Anchors.....	4.62	
05 05 23 00-1593	EA	1-1/2" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	3.93	
05 05 23 00-1594	EA	1-5/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	3.95	
05 05 23 00-1595	EA	2-1/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	4.22	
05 05 23 00-1596	EA	2-5/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	4.48	
05 05 23 00-1597	EA	3-1/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	4.79	
05 05 23 00-1598	EA	4-1/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	5.27	
05 05 23 00-1599	EA	5-5/16" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	5.59	
05 05 23 00-1600	EA	6-1/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	6.44	
05 05 23 00-1601	EA	8-1/8" Long x 1/2"	Diameter, Welded Stud Concrete Anchors.....	8.06	
05 05 23 00-1602	EA	2-11/16" Long x 5/8"	Diameter, Welded Stud Concrete Anchors.....	5.60	
05 05 23 00-1603	EA	3-3/16" Long x 5/8"	Diameter, Welded Stud Concrete Anchors.....	6.01	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.34	
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.68	
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.95	
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.20	
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.53	
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.92	
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.83	

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	7.17	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	7.46	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	7.54	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	7.58	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	7.91	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	8.52	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	14.38	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	9.22	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	10.29	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	13.44	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	13.77	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	14.94	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	19.85	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	8.63	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	9.10	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	9.57	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	10.91	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	14.16	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	15.58	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	16.99	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	20.92	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	11.69	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	13.13	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	15.26	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	19.48	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	21.70	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	23.93	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns.....	7,377.05	990.95
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	426.16	
		<i>For Hot Dip Galvanizing, Add</i>	1,491.55	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns.....	5,055.25	640.58
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	349.75	
		<i>For Hot Dip Galvanizing, Add</i>	1,224.13	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns.....	4,265.68	360.36
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	310.50	
		<i>For Hot Dip Galvanizing, Add</i>	1,086.76	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns.....	2,858.33	191.81
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	212.27	
		<i>For Hot Dip Galvanizing, Add</i>	742.93	

05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members.....	5,363.25	673.93
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	371.58	
		<i>For Hot Dip Galvanizing, Add</i>	1,300.53	

05 12 23 00-0009 Shapes (05 12 23 00-0001)**05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)**

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011	TON Up To 10 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	10,763.21 615.43 2,154.01	1,842.19
05 12 23 00-0012	TON >10 To 20 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	9,409.13 588.72 2,060.53	1,081.10
05 12 23 00-0013	TON >20 To 58 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	7,156.89 517.89 1,812.62	640.58
05 12 23 00-0014	Rolled C, MC Steel Channels (05 12 23 00-0009)			
05 12 23 00-0015	TON Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	11,800.84 606.14 2,121.50	2,522.56
05 12 23 00-0016	TON >10 To 20 Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	9,307.52 580.60 2,032.08	1,921.95
05 12 23 00-0017	TON >20 To 58 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	7,040.77 508.60 1,780.11	640.58
05 12 23 00-0018	Double L Shape Steel Angles (05 12 23 00-0009)			
05 12 23 00-0019	TON Up To 20 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	9,961.19 592.21 2,072.73	1,461.64
05 12 23 00-0020	TON >20 To 50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	7,650.40 557.37 1,950.80	640.58
05 12 23 00-0021	TON >50 To 80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	5,754.90 429.64 1,503.74	360.36
05 12 23 00-0022	TON >80 To 115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	3,688.26 278.69 975.40	192.10
05 12 23 00-0023	Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)			
05 12 23 00-0024	TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	9,017.23 557.37 1,950.80	1,081.10
05 12 23 00-0025	TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	6,010.32 426.16 1,491.55	640.58
05 12 23 00-0026	TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	4,738.86 348.36 1,219.25	360.36
05 12 23 00-0027	TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	3,485.37 262.43 918.50	191.81
05 12 23 00-0028	Combination Section Shapes (05 12 23 00-0001)			
05 12 23 00-0029	Combination Section, W Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0030	TON Up To 30 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	8,567.26 521.37 1,824.81	1,081.10
05 12 23 00-0031	TON >30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	6,053.88 429.64 1,503.75	640.58
05 12 23 00-0032	TON >65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	4,375.98 319.33 1,117.65	360.36
05 12 23 00-0033	TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	3,775.36 285.65 999.79	191.81
05 12 23 00-0034	TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	3,252.24 251.98 881.93	96.29
05 12 23 00-0035	Combination Section, S Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0036	TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	5,821.63 411.06 1,438.72	640.58
05 12 23 00-0037	TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	4,390.50 320.49 1,121.71	360.36
05 12 23 00-0038	Combination Section, Channels And Angles (05 12 23 00-0028)			
05 12 23 00-0039	TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	.....	9,017.23 557.37 1,950.80	1,081.10

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0040	TON >30-65 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,344.17 452.86 1,585.03	640.58
05 12 23 00-0041	TON >65-100 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,492.10 328.62 1,150.16	360.36
05 12 23 00-0042	Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,143.67 362.29 1,268.02	576.58
05 12 23 00-0044	TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,500.63 378.55 1,324.92	720.74
05 12 23 00-0045	Structural Steel Shapes (05 12 23) Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.		
05 12 23 00-0046	Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047	TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,531.67 404.09 1,414.33	450.51
05 12 23 00-0048	TON >5" To 12" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,344.17 452.86 1,585.03	640.58
05 12 23 00-0049	Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050	LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.79 0.17 0.61	0.58
05 12 23 00-0051	LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.62 0.17 0.58	0.49
05 12 23 00-0052	TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,039.47 359.20 1,257.20	515.12
05 12 23 00-0053	TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,577.24 259.80 909.32	309.07
05 12 23 00-0054	Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055	TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,655.53 462.15 1,617.54	823.65
05 12 23 00-0056	TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,250.03 462.15 1,617.54	443.49
05 12 23 00-0057	Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,649.68 325.13 1,137.97	380.54
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,032.41 325.13 1,137.97	438.87
05 12 23 00-0060	Structural Tubing (05 12 23 00-0045)		
05 12 23 00-0061	Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,667.46 580.60 2,032.08	384.39
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,730.54 580.60 2,032.08	443.49
05 12 23 00-0064	TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,753.93 499.31 1,747.59	480.49
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,420.98 464.48 1,625.67	576.58
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,053.87 429.64 1,503.74	640.58
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,316.12 429.64 1,503.74	886.50

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0068			TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,736.68 438.93 1,536.26	1,171.91
	05 12 23 00-0069			TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,910.20 443.58 1,552.51	1,280.11
	05 12 23 00-0070			TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,082.26 443.58 1,552.51	1,441.46
	05 12 23 00-0071			TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	8,716.80 438.93 1,536.26	3,028.32
	05 12 23 00-0072			TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,391.56 427.32 1,495.61	1,921.95
	05 12 23 00-0073			TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	10,348.23 450.54 1,576.90	4,421.74
	05 12 23 00-0074			Square Structural Tubing <small>(05 12 23 00-0060)</small>		
	05 12 23 00-0075			TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,641.83 580.60 2,032.08	360.36
	05 12 23 00-0076			TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,667.46 580.60 2,032.08	384.39
	05 12 23 00-0077			TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,899.08 510.92 1,788.23	480.49
	05 12 23 00-0078			TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,856.42 499.31 1,747.59	576.58
	05 12 23 00-0079			TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,529.66 380.87 1,333.05	720.74
	05 12 23 00-0080			TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,639.48 380.87 1,333.05	823.65
	05 12 23 00-0081			TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	5,990.93 380.87 1,333.05	1,153.17
	05 12 23 00-0082			TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	6,385.54 387.84 1,357.43	1,441.46
	05 12 23 00-0083			TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	7,681.86 450.54 1,576.90	1,921.95
	05 12 23 00-0084			TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	8,706.90 450.54 1,576.90	2,882.92
	05 12 23 00-0085			TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	8,457.27 387.84 1,357.43	3,383.69
	05 12 23 00-0086			TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	10,232.11 441.25 1,544.38	4,421.74
	05 12 23 00-0087			TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	11,782.03 450.54 1,576.90	5,765.86
	05 12 23 00-0088			Structural Shapes <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0089			TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >20 To 50 LB/LF, Deduct For >50 To 75 LB/LF, Deduct For >75 To 100 LB/LF, Deduct	6,588.63 265.44 929.04 -822.39 -1,315.36 -1,808.32	2,060.50
	05 12 23 00-0090			TON Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >21.5 To 50 LB/LF, Deduct	5,740.87 371.59 1,300.56 -628.89	824.20
	05 12 23 00-0091		LB	Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF).....	3.34	0.18
	05 12 23 00-0092		LB	Structural Shapes, Galvanized Pipe Supports.....	4.06	0.18
	05 12 23 00-0093			Built-Up Trusses <small>(05 12 23 00-0045)</small>		
	05 12 23 00-0094			TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	6,215.08	288.29
	05 12 23 00-0095			TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up.....	6,136.47	160.10
	05 12 23 00-0096			TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up.....	5,460.95	84.76
	05 12 23 00-0097			TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	5,310.78	80.14
	05 12 23 00-0098			Accessories For Steel <small>(05 12 23)</small>		
	05 12 23 00-0099			Field Painting For Touch-Up Of Shop Prime Coat <small>(05 12 23 00-0098)</small>		

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0100	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.89	
05 12 23 00-0101		Connection And Stiffener Plates <small>(05 12 23 00-0098)</small>		
		Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	13,409.26	
05 12 23 00-0103	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	11,440.73	
05 12 23 00-0104	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0105	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0106	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0107	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0108	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0109	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	8,847.35	
05 12 23 00-0110	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	8,294.39	
05 12 23 00-0111	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	8,294.39	
05 12 23 00-0112	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	8,294.39	
05 12 23 00-0113		Field Applied Cold Galvanizing <small>(05 12 23 00-0098)</small>		
05 12 23 00-0114	SF	Brush Applied Cold Galvanizing.....	1.59	
05 12 23 00-0115		Metal Grinding <small>(05 12 23 00-0098)</small>		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0116	SI	Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.68	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0117		Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0118		First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0117)</small>		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0119	LF	W14 x 730 A992/A36 Structural Column.....	1,258.37	57.15
		For Hot Dip Galvanizing, Add	332.29	
		For High Strength Low Alloy A572-50 Steel, Add	113.25	
		For High Strength Low Alloy A588 Grade B Steel, Add	251.67	
05 12 23 00-0120	LF	W14 x 665 A992/A36 Structural Column.....	1,147.61	53.27
		For Hot Dip Galvanizing, Add	302.71	
		For High Strength Low Alloy A572-50 Steel, Add	103.28	
		For High Strength Low Alloy A588 Grade B Steel, Add	229.52	
05 12 23 00-0121	LF	W14 x 605 A992/A36 Structural Column.....	1,045.28	49.58
		For Hot Dip Galvanizing, Add	275.39	
		For High Strength Low Alloy A572-50 Steel, Add	94.08	
		For High Strength Low Alloy A588 Grade B Steel, Add	209.06	
05 12 23 00-0122	LF	W14 x 550 A992/A36 Structural Column.....	951.36	46.12
		For Hot Dip Galvanizing, Add	250.36	
		For High Strength Low Alloy A572-50 Steel, Add	85.62	
		For High Strength Low Alloy A588 Grade B Steel, Add	190.27	
05 12 23 00-0123	LF	W14 x 500 A992/A36 Structural Column.....	873.50	49.97
		For Hot Dip Galvanizing, Add	227.60	
		For High Strength Low Alloy A572-50 Steel, Add	78.62	
		For High Strength Low Alloy A588 Grade B Steel, Add	174.70	
05 12 23 00-0124	LF	W14 x 426 A992/A36 Structural Column.....	745.28	43.63
		For Hot Dip Galvanizing, Add	193.91	
		For High Strength Low Alloy A572-50 Steel, Add	67.08	
		For High Strength Low Alloy A588 Grade B Steel, Add	149.06	
05 12 23 00-0125	LF	W14 x 342 A992/A36 Structural Column.....	602.63	37.77
		For Hot Dip Galvanizing, Add	156.07	
		For High Strength Low Alloy A572-50 Steel, Add	54.24	
		For High Strength Low Alloy A588 Grade B Steel, Add	120.53	
05 12 23 00-0126	LF	W14 x 311 A992/A36 Structural Column.....	542.77	35.26
		For Hot Dip Galvanizing, Add	140.17	
		For High Strength Low Alloy A572-50 Steel, Add	48.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	108.55	
05 12 23 00-0127	LF	W14 x 283 A992/A36 Structural Column.....	492.64	33.25
		For Hot Dip Galvanizing, Add	126.88	
		For High Strength Low Alloy A572-50 Steel, Add	44.34	
		For High Strength Low Alloy A588 Grade B Steel, Add	98.53	
05 12 23 00-0128	LF	W14 x 257 A992/A36 Structural Column.....	433.00	31.52
		For Hot Dip Galvanizing, Add	110.84	
		For High Strength Low Alloy A572-50 Steel, Add	38.97	
		For High Strength Low Alloy A588 Grade B Steel, Add	86.60	
05 12 23 00-0129	LF	W14 x 233 A992/A36 Structural Column.....	398.47	29.31
		For Hot Dip Galvanizing, Add	101.91	
		For High Strength Low Alloy A572-50 Steel, Add	35.86	
		For High Strength Low Alloy A588 Grade B Steel, Add	79.69	
05 12 23 00-0130	LF	W14 x 211 A992/A36 Structural Column.....	354.43	27.29
		For Hot Dip Galvanizing, Add	90.27	
		For High Strength Low Alloy A572-50 Steel, Add	31.90	
		For High Strength Low Alloy A588 Grade B Steel, Add	70.89	
05 12 23 00-0131	LF	W14 x 193 A992/A36 Structural Column.....	320.55	25.95
		For Hot Dip Galvanizing, Add	81.27	
		For High Strength Low Alloy A572-50 Steel, Add	28.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	64.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0132	LF		W14 x 176 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	288.90 72.84 26.00 57.78	24.79
05 12 23 00-0133	LF		W14 x 159 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	261.21 65.42 23.51 52.24	23.93
05 12 23 00-0134	LF		W14 x 145 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	252.43 63.20 22.72 50.49	23.16
05 12 23 00-0135	LF		W14 x 132 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	215.85 53.37 19.43 43.17	22.11
05 12 23 00-0136	LF		W14 x 120 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	202.38 49.79 18.21 40.48	21.53
05 12 23 00-0137	LF		W14 x 109 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	181.20 44.18 16.31 36.24	20.66
05 12 23 00-0138	LF		W14 x 99 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	165.33 39.96 14.88 33.07	20.08
05 12 23 00-0139	LF		W14 x 90 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	153.59 36.83 13.82 30.72	19.61
05 12 23 00-0140	LF		W14 x 82 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	141.47 33.63 12.73 28.29	19.03
05 12 23 00-0141	LF		W14 x 74 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	127.73 29.98 11.50 25.55	18.55
05 12 23 00-0142	LF		W14 x 68 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	119.30 27.72 10.74 23.86	18.26
05 12 23 00-0143	LF		W14 x 61 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	108.77 24.93 9.79 21.75	17.78
05 12 23 00-0144	LF		W14 x 53 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	99.06 22.37 8.92 19.81	17.30
05 12 23 00-0145	LF		W14 x 48 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	92.80 20.71 8.35 18.56	17.01
05 12 23 00-0146	LF		W14 x 43 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	83.74 18.30 7.54 16.75	16.72
05 12 23 00-0147	LF		W12 x 336 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	573.85 151.71 51.65 114.77	25.45
05 12 23 00-0148	LF		W12 x 305 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	522.88 137.72 47.06 104.58	24.95
05 12 23 00-0149	LF		W12 x 279 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	480.24 125.98 43.22 96.05	24.64
05 12 23 00-0150	LF		W12 x 252 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	435.66 113.79 39.21 87.13	24.03
05 12 23 00-0151	LF		W12 x 230 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	399.49 103.85 35.95 79.90	23.68
05 12 23 00-0152	LF		W12 x 210 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	366.59 94.82 32.99 73.32	23.35
05 12 23 00-0153	LF		W12 x 190 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	337.51 85.79 30.38 67.50	26.52

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0154	LF		W12 x 170 A992/A36 Structural Column	304.97	25.75
			For Hot Dip Galvanizing, Add	77.03	
			For High Strength Low Alloy A572-50 Steel, Add	27.45	
			For High Strength Low Alloy A588 Grade B Steel, Add	60.99	
05 12 23 00-0155	LF		W12 x 152 A992/A36 Structural Column	274.91	23.93
			For Hot Dip Galvanizing, Add	69.22	
			For High Strength Low Alloy A572-50 Steel, Add	24.74	
			For High Strength Low Alloy A588 Grade B Steel, Add	54.98	
05 12 23 00-0156	LF		W12 x 136 A992/A36 Structural Column	261.34	23.26
			For Hot Dip Galvanizing, Add	65.64	
			For High Strength Low Alloy A572-50 Steel, Add	23.52	
			For High Strength Low Alloy A588 Grade B Steel, Add	52.27	
05 12 23 00-0157	LF		W12 x 120 A992/A36 Structural Column	197.81	21.33
			For Hot Dip Galvanizing, Add	48.55	
			For High Strength Low Alloy A572-50 Steel, Add	17.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	39.56	
05 12 23 00-0158	LF		W12 x 106 A992/A36 Structural Column	182.29	20.66
			For Hot Dip Galvanizing, Add	44.48	
			For High Strength Low Alloy A572-50 Steel, Add	16.41	
			For High Strength Low Alloy A588 Grade B Steel, Add	36.46	
05 12 23 00-0159	LF		W12 x 96 A992/A36 Structural Column	163.06	19.99
			For Hot Dip Galvanizing, Add	39.36	
			For High Strength Low Alloy A572-50 Steel, Add	14.68	
			For High Strength Low Alloy A588 Grade B Steel, Add	32.61	
05 12 23 00-0160	LF		W12 x 87 A992/A36 Structural Column	150.40	19.31
			For Hot Dip Galvanizing, Add	36.00	
			For High Strength Low Alloy A572-50 Steel, Add	13.54	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.08	
05 12 23 00-0161	LF		W12 x 79 A992/A36 Structural Column	131.95	18.74
			For Hot Dip Galvanizing, Add	31.07	
			For High Strength Low Alloy A572-50 Steel, Add	11.88	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.39	
05 12 23 00-0162	LF		W12 x 72 A992/A36 Structural Column	120.75	18.26
			For Hot Dip Galvanizing, Add	28.09	
			For High Strength Low Alloy A572-50 Steel, Add	10.87	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.15	
05 12 23 00-0163	LF		W12 x 65 A992/A36 Structural Column	110.37	17.88
			For Hot Dip Galvanizing, Add	25.35	
			For High Strength Low Alloy A572-50 Steel, Add	9.93	
			For High Strength Low Alloy A588 Grade B Steel, Add	22.07	
05 12 23 00-0164	LF		W12 x 58 A992/A36 Structural Column	106.77	17.68
			For Hot Dip Galvanizing, Add	24.40	
			For High Strength Low Alloy A572-50 Steel, Add	9.61	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.35	
05 12 23 00-0165	LF		W12 x 53 A992/A36 Structural Column	99.06	17.30
			For Hot Dip Galvanizing, Add	22.37	
			For High Strength Low Alloy A572-50 Steel, Add	8.92	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.81	
05 12 23 00-0166	LF		W12 x 50 A992/A36 Structural Column	95.99	17.20
			For Hot Dip Galvanizing, Add	21.54	
			For High Strength Low Alloy A572-50 Steel, Add	8.64	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.20	
05 12 23 00-0167	LF		W12 x 45 A992/A36 Structural Column	87.18	16.82
			For Hot Dip Galvanizing, Add	19.21	
			For High Strength Low Alloy A572-50 Steel, Add	7.85	
			For High Strength Low Alloy A588 Grade B Steel, Add	17.44	
05 12 23 00-0168	LF		W12 x 40 A992/A36 Structural Column	78.11	16.43
			For Hot Dip Galvanizing, Add	16.80	
			For High Strength Low Alloy A572-50 Steel, Add	7.03	
			For High Strength Low Alloy A588 Grade B Steel, Add	15.62	
05 12 23 00-0169	LF		W10 x 112 A992/A36 Structural Column	190.68	21.04
			For Hot Dip Galvanizing, Add	46.70	
			For High Strength Low Alloy A572-50 Steel, Add	17.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	38.14	
05 12 23 00-0170	LF		W10 x 110 A992/A36 Structural Column	172.44	20.18
			For Hot Dip Galvanizing, Add	41.88	
			For High Strength Low Alloy A572-50 Steel, Add	15.52	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.49	
05 12 23 00-0171	LF		W10 x 88 A992/A36 Structural Column	154.98	19.51
			For Hot Dip Galvanizing, Add	37.25	
			For High Strength Low Alloy A572-50 Steel, Add	13.95	
			For High Strength Low Alloy A588 Grade B Steel, Add	31.00	
05 12 23 00-0172	LF		W10 x 77 A992/A36 Structural Column	137.79	18.74
			For Hot Dip Galvanizing, Add	32.69	
			For High Strength Low Alloy A572-50 Steel, Add	12.40	
			For High Strength Low Alloy A588 Grade B Steel, Add	27.56	
05 12 23 00-0173	LF		W10 x 68 A992/A36 Structural Column	124.05	18.26
			For Hot Dip Galvanizing, Add	29.04	
			For High Strength Low Alloy A572-50 Steel, Add	11.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.81	
05 12 23 00-0174	LF		W10 x 60 A992/A36 Structural Column	108.77	17.78
			For Hot Dip Galvanizing, Add	24.93	
			For High Strength Low Alloy A572-50 Steel, Add	9.79	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.75	
05 12 23 00-0175	LF		W10 x 54 A992/A36 Structural Column	108.04	17.49
			For Hot Dip Galvanizing, Add	24.78	
			For High Strength Low Alloy A572-50 Steel, Add	9.72	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176	LF		W10 x 49 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	94.80 21.24 8.53 18.96	17.20
05 12 23 00-0177	LF		W10 x 45 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	91.48 20.37 8.23 18.30	16.91
05 12 23 00-0178	LF		W10 x 39 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	79.57 17.17 7.16 15.91	16.63
05 12 23 00-0179	LF		W10 x 33 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	69.31 14.46 6.24 13.86	16.15
05 12 23 00-0180	LF		W8 x 67 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	119.43 27.76 10.75 23.89	18.26
05 12 23 00-0181	LF		W8 x 58 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	107.18 24.52 9.65 21.44	17.68
05 12 23 00-0182	LF		W8 x 48 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	95.89 21.54 8.63 19.18	17.20
05 12 23 00-0183	LF		W8 x 40 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	82.24 17.89 7.40 16.45	16.72
05 12 23 00-0184	LF		W8 x 35 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	74.26 15.78 6.68 14.85	16.33
05 12 23 00-0185	LF		W8 x 31 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	67.82 14.05 6.10 13.56	16.15
05 12 23 00-0186	LF		W8 x 28 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	63.83 12.99 5.74 12.77	15.95
05 12 23 00-0187	LF		W8 x 24 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	59.03 11.71 5.31 11.81	15.76
05 12 23 00-0188	LF		W8 x 21 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	55.85 10.88 5.03 11.17	15.67
05 12 23 00-0189	LF		W8 x 18 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	49.82 9.27 4.48 9.96	15.38
05 12 23 00-0190	LF		W6 x 25 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	62.01 12.54 5.58 12.40	15.76
05 12 23 00-0191	LF		W6 x 20 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	52.36 9.94 4.71 10.47	15.47
05 12 23 00-0192	LF		W6 x 15 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	44.82 7.98 4.03 8.96	14.99
05 12 23 00-0193	LF		W6 x 12 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	41.97 7.19 3.78 8.39	14.99
05 12 23 00-0194	LF		W6 x 9 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	38.34 6.21 3.45 7.67	14.90
05 12 23 00-0195	LF		W5 x 19 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	51.54 9.72 4.64 10.31	15.47
05 12 23 00-0196	LF		W5 x 16 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	47.41 8.62 4.27 9.48	15.38
05 12 23 00-0197	LF		W4 x 13 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	44.38 7.83 3.99 8.88	15.18

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0198	A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0117) Note: Includes material delivery and erection.		
05 12 23 00-0199	LF W36 x 300 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	415.30 96.72 37.38 83.06 3.49 -135.34 49.84	62.59
05 12 23 00-0200	LF W36 x 280 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	402.19 90.27 36.20 80.44 3.25 -129.23 48.26	72.07
05 12 23 00-0201	LF W36 x 260 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	381.01 84.66 34.29 76.20 3.05 -121.97 45.72	71.21
05 12 23 00-0202	LF W36 x 240 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	354.08 80.40 31.87 70.82 2.90 -114.28 42.49	60.32
05 12 23 00-0203	LF W36 x 230 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	342.92 77.05 30.86 68.58 2.78 -110.23 41.15	61.18
05 12 23 00-0204	LF W36 x 210 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	327.03 70.35 29.43 65.41 2.54 -103.43 39.24	68.90
05 12 23 00-0205	LF W36 x 194 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	307.27 67.95 27.65 61.45 2.45 -98.18 36.87	58.51
05 12 23 00-0206	LF W36 x 182 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	291.66 63.74 26.25 58.33 2.30 -92.79 35.00	58.08
05 12 23 00-0207	LF W36 x 170 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	275.80 59.54 24.82 55.16 2.15 -87.34 33.10	57.41
05 12 23 00-0208	LF W36 x 160 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	273.05 56.04 24.57 54.61 2.02 -84.90 32.77	66.69
05 12 23 00-0209	LF W36 x 150 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	262.00 53.10 23.58 52.40 1.91 -81.10 31.44	66.21
05 12 23 00-0210	LF W36 x 135 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	246.52 49.00 22.19 49.30 1.77 -75.79 29.58	65.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0211	LF		W33 x 241 A992/A36 Structural Beam Or Girder	358.62	62.22
			For Hot Dip Galvanizing, Add	81.10	
			For High Strength Low Alloy A572-50 Steel, Add	32.28	
			For High Strength Low Alloy A588 Steel, Add	71.72	
			For Each Additional Top Copes >2, Add	2.92	
			For Structural Tees, WT, MT Or ST, Deduct	-115.56	
			For Skewed Or Sloped Connections, Add	43.03	
05 12 23 00-0212	LF		W33 x 221 A992/A36 Structural Beam Or Girder	332.74	60.69
			For Hot Dip Galvanizing, Add	74.37	
			For High Strength Low Alloy A572-50 Steel, Add	29.95	
			For High Strength Low Alloy A588 Steel, Add	66.55	
			For Each Additional Top Copes >2, Add	2.68	
			For Structural Tees, WT, MT Or ST, Deduct	-106.75	
			For Skewed Or Sloped Connections, Add	39.93	
05 12 23 00-0213	LF		W33 x 201 A992/A36 Structural Beam Or Girder	316.77	68.42
			For Hot Dip Galvanizing, Add	67.64	
			For High Strength Low Alloy A572-50 Steel, Add	28.51	
			For High Strength Low Alloy A588 Steel, Add	63.35	
			For Each Additional Top Copes >2, Add	2.44	
			For Structural Tees, WT, MT Or ST, Deduct	-99.92	
			For Skewed Or Sloped Connections, Add	38.01	
05 12 23 00-0214	LF		W33 x 170 A992/A36 Structural Beam Or Girder	284.94	67.17
			For Hot Dip Galvanizing, Add	59.20	
			For High Strength Low Alloy A572-50 Steel, Add	25.64	
			For High Strength Low Alloy A588 Steel, Add	56.99	
			For Each Additional Top Copes >2, Add	2.13	
			For Structural Tees, WT, MT Or ST, Deduct	-88.99	
			For Skewed Or Sloped Connections, Add	34.19	
05 12 23 00-0215	LF		W33 x 152 A992/A36 Structural Beam Or Girder	258.26	57.23
			For Hot Dip Galvanizing, Add	54.73	
			For High Strength Low Alloy A572-50 Steel, Add	23.24	
			For High Strength Low Alloy A588 Steel, Add	51.65	
			For Each Additional Top Copes >2, Add	1.97	
			For Structural Tees, WT, MT Or ST, Deduct	-81.23	
			For Skewed Or Sloped Connections, Add	30.99	
05 12 23 00-0216	LF		W33 x 141 A992/A36 Structural Beam Or Girder	253.19	65.83
			For Hot Dip Galvanizing, Add	50.77	
			For High Strength Low Alloy A572-50 Steel, Add	22.79	
			For High Strength Low Alloy A588 Steel, Add	50.64	
			For Each Additional Top Copes >2, Add	1.83	
			For Structural Tees, WT, MT Or ST, Deduct	-78.08	
			For Skewed Or Sloped Connections, Add	30.38	
05 12 23 00-0217	LF		W33 x 130 A992/A36 Structural Beam Or Girder	240.67	65.34
			For Hot Dip Galvanizing, Add	47.45	
			For High Strength Low Alloy A572-50 Steel, Add	21.66	
			For High Strength Low Alloy A588 Steel, Add	48.13	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-73.78	
			For Skewed Or Sloped Connections, Add	28.88	
05 12 23 00-0218	LF		W33 x 118 A992/A36 Structural Beam Or Girder	226.11	64.77
			For Hot Dip Galvanizing, Add	43.57	
			For High Strength Low Alloy A572-50 Steel, Add	20.35	
			For High Strength Low Alloy A588 Steel, Add	45.22	
			For Each Additional Top Copes >2, Add	1.57	
			For Structural Tees, WT, MT Or ST, Deduct	-68.78	
			For Skewed Or Sloped Connections, Add	27.13	
05 12 23 00-0219	LF		W30 x 211 A992/A36 Structural Beam Or Girder	319.19	60.58
			For Hot Dip Galvanizing, Add	70.64	
			For High Strength Low Alloy A572-50 Steel, Add	28.73	
			For High Strength Low Alloy A588 Steel, Add	63.84	
			For Each Additional Top Copes >2, Add	2.55	
			For Structural Tees, WT, MT Or ST, Deduct	-102.02	
			For Skewed Or Sloped Connections, Add	38.30	
05 12 23 00-0220	LF		W30 x 191 A992/A36 Structural Beam Or Girder	302.99	67.94
			For Hot Dip Galvanizing, Add	63.95	
			For High Strength Low Alloy A572-50 Steel, Add	27.27	
			For High Strength Low Alloy A588 Steel, Add	60.60	
			For Each Additional Top Copes >2, Add	2.30	
			For Structural Tees, WT, MT Or ST, Deduct	-95.16	
			For Skewed Or Sloped Connections, Add	36.36	
05 12 23 00-0221	LF		W30 x 173 A992/A36 Structural Beam Or Girder	276.79	57.81
			For Hot Dip Galvanizing, Add	59.70	
			For High Strength Low Alloy A572-50 Steel, Add	24.91	
			For High Strength Low Alloy A588 Steel, Add	55.36	
			For Each Additional Top Copes >2, Add	2.15	
			For Structural Tees, WT, MT Or ST, Deduct	-87.63	
			For Skewed Or Sloped Connections, Add	33.21	
05 12 23 00-0222	LF		W30 x 154 A992/A36 Structural Beam Or Girder	262.21	66.31
			For Hot Dip Galvanizing, Add	53.14	
			For High Strength Low Alloy A572-50 Steel, Add	23.60	
			For High Strength Low Alloy A588 Steel, Add	52.44	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-81.17	
			For Skewed Or Sloped Connections, Add	31.47	
05 12 23 00-0223	LF		W30 x 132 A992/A36 Structural Beam Or Girder	233.08	55.78
			For Hot Dip Galvanizing, Add	48.17	
			For High Strength Low Alloy A572-50 Steel, Add	20.98	
			For High Strength Low Alloy A588 Steel, Add	46.62	
			For Each Additional Top Copes >2, Add	1.74	
			For Structural Tees, WT, MT Or ST, Deduct	-72.65	
			For Skewed Or Sloped Connections, Add	27.97	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0224	LF	W30 x 124 A992/A36	Structural Beam Or Girder.....	222.53	55.75
			For Hot Dip Galvanizing, Add	45.25	
			For High Strength Low Alloy A572-50 Steel, Add	20.03	
			For High Strength Low Alloy A588 Steel, Add	44.51	
			For Each Additional Top Copes >2, Add	1.63	
			For Structural Tees, WT, MT Or ST, Deduct	-68.97	
			For Skewed Or Sloped Connections, Add	26.70	
05 12 23 00-0225	LF	W30 x 116 A992/A36	Structural Beam Or Girder.....	221.54	64.68
			For Hot Dip Galvanizing, Add	42.33	
			For High Strength Low Alloy A572-50 Steel, Add	19.94	
			For High Strength Low Alloy A588 Steel, Add	44.31	
			For Each Additional Top Copes >2, Add	1.53	
			For Structural Tees, WT, MT Or ST, Deduct	-67.19	
			For Skewed Or Sloped Connections, Add	26.58	
05 12 23 00-0226	LF	W30 x 108 A992/A36	Structural Beam Or Girder.....	204.85	58.23
			For Hot Dip Galvanizing, Add	39.62	
			For High Strength Low Alloy A572-50 Steel, Add	18.44	
			For High Strength Low Alloy A588 Steel, Add	40.97	
			For Each Additional Top Copes >2, Add	1.43	
			For Structural Tees, WT, MT Or ST, Deduct	-62.39	
			For Skewed Or Sloped Connections, Add	24.58	
05 12 23 00-0227	LF	W30 x 99 A992/A36	Structural Beam Or Girder.....	195.92	57.95
			For Hot Dip Galvanizing, Add	37.25	
			For High Strength Low Alloy A572-50 Steel, Add	17.63	
			For High Strength Low Alloy A588 Steel, Add	39.18	
			For Each Additional Top Copes >2, Add	1.34	
			For Structural Tees, WT, MT Or ST, Deduct	-59.32	
			For Skewed Or Sloped Connections, Add	23.51	
05 12 23 00-0228	LF	W27 x 178 A992/A36	Structural Beam Or Girder.....	307.85	67.69
			For Hot Dip Galvanizing, Add	65.39	
			For High Strength Low Alloy A572-50 Steel, Add	27.71	
			For High Strength Low Alloy A588 Steel, Add	61.57	
			For Each Additional Top Copes >2, Add	2.36	
			For Structural Tees, WT, MT Or ST, Deduct	-96.92	
			For Skewed Or Sloped Connections, Add	36.94	
05 12 23 00-0229	LF	W27 x 161 A992/A36	Structural Beam Or Girder.....	282.62	65.14
			For Hot Dip Galvanizing, Add	59.15	
			For High Strength Low Alloy A572-50 Steel, Add	25.44	
			For High Strength Low Alloy A588 Steel, Add	56.52	
			For Each Additional Top Copes >2, Add	2.13	
			For Structural Tees, WT, MT Or ST, Deduct	-88.50	
			For Skewed Or Sloped Connections, Add	33.91	
05 12 23 00-0230	LF	W27 x 146 A992/A36	Structural Beam Or Girder.....	260.31	62.83
			For Hot Dip Galvanizing, Add	53.64	
			For High Strength Low Alloy A572-50 Steel, Add	23.43	
			For High Strength Low Alloy A588 Steel, Add	52.06	
			For Each Additional Top Copes >2, Add	1.93	
			For Structural Tees, WT, MT Or ST, Deduct	-81.06	
			For Skewed Or Sloped Connections, Add	31.24	
05 12 23 00-0231	LF	W27 x 114 A992/A36	Structural Beam Or Girder.....	206.59	52.20
			For Hot Dip Galvanizing, Add	41.88	
			For High Strength Low Alloy A572-50 Steel, Add	18.59	
			For High Strength Low Alloy A588 Steel, Add	41.32	
			For Each Additional Top Copes >2, Add	1.51	
			For Structural Tees, WT, MT Or ST, Deduct	-63.96	
			For Skewed Or Sloped Connections, Add	24.79	
05 12 23 00-0232	LF	W27 x 102 A992/A36	Structural Beam Or Girder.....	196.82	57.95
			For Hot Dip Galvanizing, Add	37.47	
			For High Strength Low Alloy A572-50 Steel, Add	17.71	
			For High Strength Low Alloy A588 Steel, Add	39.36	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-59.62	
			For Skewed Or Sloped Connections, Add	23.62	
05 12 23 00-0233	LF	W27 x 94 A992/A36	Structural Beam Or Girder.....	188.43	57.57
			For Hot Dip Galvanizing, Add	35.25	
			For High Strength Low Alloy A572-50 Steel, Add	16.96	
			For High Strength Low Alloy A588 Steel, Add	37.69	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-56.74	
			For Skewed Or Sloped Connections, Add	22.61	
05 12 23 00-0234	LF	W27 x 84 A992/A36	Structural Beam Or Girder.....	178.19	57.18
			For Hot Dip Galvanizing, Add	32.54	
			For High Strength Low Alloy A572-50 Steel, Add	16.04	
			For High Strength Low Alloy A588 Steel, Add	35.64	
			For Each Additional Top Copes >2, Add	1.17	
			For Structural Tees, WT, MT Or ST, Deduct	-53.23	
			For Skewed Or Sloped Connections, Add	21.38	
05 12 23 00-0235	LF	W24 x 162 A992/A36	Structural Beam Or Girder.....	272.20	62.45
			For Hot Dip Galvanizing, Add	57.05	
			For High Strength Low Alloy A572-50 Steel, Add	24.50	
			For High Strength Low Alloy A588 Steel, Add	54.44	
			For Each Additional Top Copes >2, Add	2.06	
			For Structural Tees, WT, MT Or ST, Deduct	-85.28	
			For Skewed Or Sloped Connections, Add	32.66	
05 12 23 00-0236	LF	W24 x 146 A992/A36	Structural Beam Or Girder.....	249.14	59.87
			For Hot Dip Galvanizing, Add	51.42	
			For High Strength Low Alloy A572-50 Steel, Add	22.42	
			For High Strength Low Alloy A588 Steel, Add	49.83	
			For Each Additional Top Copes >2, Add	1.85	
			For Structural Tees, WT, MT Or ST, Deduct	-77.62	
			For Skewed Or Sloped Connections, Add	29.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237 LF W24 x 131 A992/A36 Structural Beam Or Girder	227.20	57.15
For Hot Dip Galvanizing, Add	46.13	
For High Strength Low Alloy A572-50 Steel, Add	20.45	
For High Strength Low Alloy A588 Steel, Add	45.44	
For Each Additional Top Copes >2, Add	1.66	
For Structural Tees, WT, MT Or ST, Deduct	-70.38	
For Skewed Or Sloped Connections, Add	27.26	
05 12 23 00-0238 LF W24 x 117 A992/A36 Structural Beam Or Girder	206.39	54.30
For Hot Dip Galvanizing, Add	41.20	
For High Strength Low Alloy A572-50 Steel, Add	18.58	
For High Strength Low Alloy A588 Steel, Add	41.28	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-63.55	
For Skewed Or Sloped Connections, Add	24.77	
05 12 23 00-0239 LF W24 x 104 A992/A36 Structural Beam Or Girder	186.74	51.35
For Hot Dip Galvanizing, Add	36.62	
For High Strength Low Alloy A572-50 Steel, Add	16.81	
For High Strength Low Alloy A588 Steel, Add	37.35	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-57.15	
For Skewed Or Sloped Connections, Add	22.41	
05 12 23 00-0240 LF W24 x 94 A992/A36 Structural Beam Or Girder	180.69	57.57
For Hot Dip Galvanizing, Add	33.10	
For High Strength Low Alloy A572-50 Steel, Add	16.26	
For High Strength Low Alloy A588 Steel, Add	36.14	
For Each Additional Top Copes >2, Add	1.19	
For Structural Tees, WT, MT Or ST, Deduct	-54.03	
For Skewed Or Sloped Connections, Add	21.68	
05 12 23 00-0241 LF W24 x 84 A992/A36 Structural Beam Or Girder	164.69	51.03
For Hot Dip Galvanizing, Add	30.58	
For High Strength Low Alloy A572-50 Steel, Add	14.82	
For High Strength Low Alloy A588 Steel, Add	32.94	
For Each Additional Top Copes >2, Add	1.10	
For Structural Tees, WT, MT Or ST, Deduct	-49.47	
For Skewed Or Sloped Connections, Add	19.76	
05 12 23 00-0242 LF W24 x 76 A992/A36 Structural Beam Or Girder	156.84	50.64
For Hot Dip Galvanizing, Add	28.51	
For High Strength Low Alloy A572-50 Steel, Add	14.12	
For High Strength Low Alloy A588 Steel, Add	31.37	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-46.78	
For Skewed Or Sloped Connections, Add	18.82	
05 12 23 00-0243 LF W24 x 68 A992/A36 Structural Beam Or Girder	146.96	50.36
For Hot Dip Galvanizing, Add	25.87	
For High Strength Low Alloy A572-50 Steel, Add	13.23	
For High Strength Low Alloy A588 Steel, Add	29.39	
For Each Additional Top Copes >2, Add	0.93	
For Structural Tees, WT, MT Or ST, Deduct	-43.38	
For Skewed Or Sloped Connections, Add	17.64	
05 12 23 00-0244 LF W24 x 62 A992/A36 Structural Beam Or Girder	141.79	50.06
For Hot Dip Galvanizing, Add	24.52	
For High Strength Low Alloy A572-50 Steel, Add	12.76	
For High Strength Low Alloy A588 Steel, Add	28.36	
For Each Additional Top Copes >2, Add	0.88	
For Structural Tees, WT, MT Or ST, Deduct	-41.61	
For Skewed Or Sloped Connections, Add	17.01	
05 12 23 00-0245 LF W24 x 55 A992/A36 Structural Beam Or Girder	134.70	49.88
For Hot Dip Galvanizing, Add	22.63	
For High Strength Low Alloy A572-50 Steel, Add	12.12	
For High Strength Low Alloy A588 Steel, Add	26.94	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-39.17	
For Skewed Or Sloped Connections, Add	16.16	
05 12 23 00-0246 LF W21 x 147 A992/A36 Structural Beam Or Girder	237.98	51.36
For Hot Dip Galvanizing, Add	50.84	
For High Strength Low Alloy A572-50 Steel, Add	21.42	
For High Strength Low Alloy A588 Steel, Add	47.60	
For Each Additional Top Copes >2, Add	1.83	
For Structural Tees, WT, MT Or ST, Deduct	-75.08	
For Skewed Or Sloped Connections, Add	28.56	
05 12 23 00-0247 LF W21 x 132 A992/A36 Structural Beam Or Girder	216.84	49.07
For Hot Dip Galvanizing, Add	45.65	
For High Strength Low Alloy A572-50 Steel, Add	19.52	
For High Strength Low Alloy A588 Steel, Add	43.37	
For Each Additional Top Copes >2, Add	1.65	
For Structural Tees, WT, MT Or ST, Deduct	-68.04	
For Skewed Or Sloped Connections, Add	26.02	
05 12 23 00-0248 LF W21 x 122 A992/A36 Structural Beam Or Girder	203.49	48.24
For Hot Dip Galvanizing, Add	42.19	
For High Strength Low Alloy A572-50 Steel, Add	18.31	
For High Strength Low Alloy A588 Steel, Add	40.70	
For Each Additional Top Copes >2, Add	1.52	
For Structural Tees, WT, MT Or ST, Deduct	-63.50	
For Skewed Or Sloped Connections, Add	24.42	
05 12 23 00-0249 LF W21 x 111 A992/A36 Structural Beam Or Girder	188.14	46.70
For Hot Dip Galvanizing, Add	38.39	
For High Strength Low Alloy A572-50 Steel, Add	16.93	
For High Strength Low Alloy A588 Steel, Add	37.63	
For Each Additional Top Copes >2, Add	1.38	
For Structural Tees, WT, MT Or ST, Deduct	-58.38	
For Skewed Or Sloped Connections, Add	22.58	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0250	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	174.08	45.20
			For Hot Dip Galvanizing, Add	34.93	
			For High Strength Low Alloy A572-50 Steel, Add	15.67	
			For High Strength Low Alloy A588 Steel, Add	34.82	
			For Each Additional Top Copes >2, Add	1.26	
			For Structural Tees, WT, MT Or ST, Deduct	-53.70	
			For Skewed Or Sloped Connections, Add	20.89	
05 12 23 00-0251	LF		W21 x 93 A992/A36 Structural Beam Or Girder	170.96	51.61
			For Hot Dip Galvanizing, Add	32.16	
			For High Strength Low Alloy A572-50 Steel, Add	15.39	
			For High Strength Low Alloy A588 Steel, Add	34.19	
			For Each Additional Top Copes >2, Add	1.16	
			For Structural Tees, WT, MT Or ST, Deduct	-51.58	
			For Skewed Or Sloped Connections, Add	20.52	
05 12 23 00-0252	LF		W21 x 83 A992/A36 Structural Beam Or Girder	161.70	51.03
			For Hot Dip Galvanizing, Add	29.75	
			For High Strength Low Alloy A572-50 Steel, Add	14.55	
			For High Strength Low Alloy A588 Steel, Add	32.34	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-48.42	
			For Skewed Or Sloped Connections, Add	19.40	
05 12 23 00-0253	LF		W21 x 73 A992/A36 Structural Beam Or Girder	150.37	50.64
			For Hot Dip Galvanizing, Add	26.74	
			For High Strength Low Alloy A572-50 Steel, Add	13.53	
			For High Strength Low Alloy A588 Steel, Add	30.07	
			For Each Additional Top Copes >2, Add	0.96	
			For Structural Tees, WT, MT Or ST, Deduct	-44.53	
			For Skewed Or Sloped Connections, Add	18.04	
05 12 23 00-0254	LF		W21 x 68 A992/A36 Structural Beam Or Girder	144.65	50.36
			For Hot Dip Galvanizing, Add	25.23	
			For High Strength Low Alloy A572-50 Steel, Add	13.02	
			For High Strength Low Alloy A588 Steel, Add	28.93	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-42.57	
			For Skewed Or Sloped Connections, Add	17.36	
05 12 23 00-0255	LF		W21 x 62 A992/A36 Structural Beam Or Girder	139.48	50.06
			For Hot Dip Galvanizing, Add	23.88	
			For High Strength Low Alloy A572-50 Steel, Add	12.55	
			For High Strength Low Alloy A588 Steel, Add	27.90	
			For Each Additional Top Copes >2, Add	0.86	
			For Structural Tees, WT, MT Or ST, Deduct	-40.80	
			For Skewed Or Sloped Connections, Add	16.74	
05 12 23 00-0256	LF		W21 x 57 A992/A36 Structural Beam Or Girder	134.80	49.97
			For Hot Dip Galvanizing, Add	22.63	
			For High Strength Low Alloy A572-50 Steel, Add	12.13	
			For High Strength Low Alloy A588 Steel, Add	26.96	
			For Each Additional Top Copes >2, Add	0.82	
			For Structural Tees, WT, MT Or ST, Deduct	-39.19	
			For Skewed Or Sloped Connections, Add	16.18	
05 12 23 00-0257	LF		W21 x 50 A992/A36 Structural Beam Or Girder	119.47	43.34
			For Hot Dip Galvanizing, Add	20.30	
			For High Strength Low Alloy A572-50 Steel, Add	10.75	
			For High Strength Low Alloy A588 Steel, Add	23.89	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-34.87	
			For Skewed Or Sloped Connections, Add	14.34	
05 12 23 00-0258	LF		W21 x 44 A992/A36 Structural Beam Or Girder	114.02	43.15
			For Hot Dip Galvanizing, Add	18.87	
			For High Strength Low Alloy A572-50 Steel, Add	10.26	
			For High Strength Low Alloy A588 Steel, Add	22.80	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-33.00	
			For Skewed Or Sloped Connections, Add	13.68	
05 12 23 00-0259	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	197.96	48.08
			For Hot Dip Galvanizing, Add	40.70	
			For High Strength Low Alloy A572-50 Steel, Add	17.82	
			For High Strength Low Alloy A588 Steel, Add	39.59	
			For Each Additional Top Copes >2, Add	1.47	
			For Structural Tees, WT, MT Or ST, Deduct	-61.59	
			For Skewed Or Sloped Connections, Add	23.76	
05 12 23 00-0260	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	179.25	45.56
			For Hot Dip Galvanizing, Add	36.26	
			For High Strength Low Alloy A572-50 Steel, Add	16.13	
			For High Strength Low Alloy A588 Steel, Add	35.85	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-55.45	
			For Skewed Or Sloped Connections, Add	21.51	
05 12 23 00-0261	LF		W18 x 97 A992/A36 Structural Beam Or Girder	174.72	51.61
			For Hot Dip Galvanizing, Add	33.18	
			For High Strength Low Alloy A572-50 Steel, Add	15.72	
			For High Strength Low Alloy A588 Steel, Add	34.94	
			For Each Additional Top Copes >2, Add	1.20	
			For Structural Tees, WT, MT Or ST, Deduct	-52.88	
			For Skewed Or Sloped Connections, Add	20.97	
05 12 23 00-0262	LF		W18 x 86 A992/A36 Structural Beam Or Girder	164.11	51.13
			For Hot Dip Galvanizing, Add	30.39	
			For High Strength Low Alloy A572-50 Steel, Add	14.77	
			For High Strength Low Alloy A588 Steel, Add	32.82	
			For Each Additional Top Copes >2, Add	1.10	
			For Structural Tees, WT, MT Or ST, Deduct	-49.25	
			For Skewed Or Sloped Connections, Add	19.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF		W18 x 76 A992/A36 Structural Beam Or Girder	154.53	50.64
			For Hot Dip Galvanizing, Add	27.87	
			For High Strength Low Alloy A572-50 Steel, Add	13.91	
			For High Strength Low Alloy A588 Steel, Add	30.91	
			For Each Additional Top Copes >2, Add	1.00	
			For Structural Tees, WT, MT Or ST, Deduct	-45.97	
			For Skewed Or Sloped Connections, Add	18.54	
05 12 23 00-0264	LF		W18 x 71 A992/A36 Structural Beam Or Girder	147.55	50.54
			For Hot Dip Galvanizing, Add	25.99	
			For High Strength Low Alloy A572-50 Steel, Add	13.28	
			For High Strength Low Alloy A588 Steel, Add	29.51	
			For Each Additional Top Copes >2, Add	0.94	
			For Structural Tees, WT, MT Or ST, Deduct	-43.56	
			For Skewed Or Sloped Connections, Add	17.71	
05 12 23 00-0265	LF		W18 x 65 A992/A36 Structural Beam Or Girder	140.75	50.36
			For Hot Dip Galvanizing, Add	24.18	
			For High Strength Low Alloy A572-50 Steel, Add	12.67	
			For High Strength Low Alloy A588 Steel, Add	28.15	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-41.22	
			For Skewed Or Sloped Connections, Add	16.89	
05 12 23 00-0266	LF		W18 x 60 A992/A36 Structural Beam Or Girder	134.62	49.97
			For Hot Dip Galvanizing, Add	22.56	
			For High Strength Low Alloy A572-50 Steel, Add	12.12	
			For High Strength Low Alloy A588 Steel, Add	26.92	
			For Each Additional Top Copes >2, Add	0.81	
			For Structural Tees, WT, MT Or ST, Deduct	-39.12	
			For Skewed Or Sloped Connections, Add	16.15	
05 12 23 00-0267	LF		W18 x 55 A992/A36 Structural Beam Or Girder	128.46	49.88
			For Hot Dip Galvanizing, Add	20.90	
			For High Strength Low Alloy A572-50 Steel, Add	11.56	
			For High Strength Low Alloy A588 Steel, Add	25.69	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-36.99	
			For Skewed Or Sloped Connections, Add	15.42	
05 12 23 00-0268	LF		W18 x 50 A992/A36 Structural Beam Or Girder	115.67	43.34
			For Hot Dip Galvanizing, Add	19.24	
			For High Strength Low Alloy A572-50 Steel, Add	10.41	
			For High Strength Low Alloy A588 Steel, Add	23.13	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-33.54	
			For Skewed Or Sloped Connections, Add	13.88	
05 12 23 00-0269	LF		W18 x 46 A992/A36 Structural Beam Or Girder	110.87	43.25
			For Hot Dip Galvanizing, Add	17.97	
			For High Strength Low Alloy A572-50 Steel, Add	9.98	
			For High Strength Low Alloy A588 Steel, Add	22.17	
			For Each Additional Top Copes >2, Add	0.65	
			For Structural Tees, WT, MT Or ST, Deduct	-31.89	
			For Skewed Or Sloped Connections, Add	13.30	
05 12 23 00-0270	LF		W18 x 40 A992/A36 Structural Beam Or Girder	96.94	36.91
			For Hot Dip Galvanizing, Add	15.97	
			For High Strength Low Alloy A572-50 Steel, Add	8.72	
			For High Strength Low Alloy A588 Steel, Add	19.39	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-28.02	
			For Skewed Or Sloped Connections, Add	11.63	
05 12 23 00-0271	LF		W18 x 35 A992/A36 Structural Beam Or Girder	90.92	36.81
			For Hot Dip Galvanizing, Add	14.35	
			For High Strength Low Alloy A572-50 Steel, Add	8.18	
			For High Strength Low Alloy A588 Steel, Add	18.18	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-25.94	
			For Skewed Or Sloped Connections, Add	10.91	
05 12 23 00-0272	LF		W16 x 100 A992/A36 Structural Beam Or Girder	164.27	33.54
			For Hot Dip Galvanizing, Add	35.66	
			For High Strength Low Alloy A572-50 Steel, Add	14.78	
			For High Strength Low Alloy A588 Steel, Add	32.85	
			For Each Additional Top Copes >2, Add	1.29	
			For Structural Tees, WT, MT Or ST, Deduct	-52.13	
			For Skewed Or Sloped Connections, Add	19.71	
05 12 23 00-0273	LF		W16 x 89 A992/A36 Structural Beam Or Girder	150.66	32.96
			For Hot Dip Galvanizing, Add	32.05	
			For High Strength Low Alloy A572-50 Steel, Add	13.56	
			For High Strength Low Alloy A588 Steel, Add	30.13	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-47.46	
			For Skewed Or Sloped Connections, Add	18.08	
05 12 23 00-0274	LF		W16 x 77 A992/A36 Structural Beam Or Girder	136.07	32.58
			For Hot Dip Galvanizing, Add	28.13	
			For High Strength Low Alloy A572-50 Steel, Add	12.25	
			For High Strength Low Alloy A588 Steel, Add	27.21	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-42.42	
			For Skewed Or Sloped Connections, Add	16.33	
05 12 23 00-0275	LF		W16 x 67 A992/A36 Structural Beam Or Girder	123.65	32.10
			For Hot Dip Galvanizing, Add	24.82	
			For High Strength Low Alloy A572-50 Steel, Add	11.13	
			For High Strength Low Alloy A588 Steel, Add	24.73	
			For Each Additional Top Copes >2, Add	0.89	
			For Structural Tees, WT, MT Or ST, Deduct	-38.15	
			For Skewed Or Sloped Connections, Add	14.84	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0276	LF	W16 x 57 A992/A36 Structural Beam Or Girder	111.36	31.62
		<i>For Hot Dip Galvanizing, Add</i>	21.54	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.02	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	22.27	
		<i>For Each Additional Top Copes >2, Add</i>	0.78	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.92	
		<i>For Skewed Or Sloped Connections, Add</i>	13.36	
05 12 23 00-0277	LF	W16 x 50 A992/A36 Structural Beam Or Girder	102.79	31.33
		<i>For Hot Dip Galvanizing, Add</i>	19.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.25	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	20.56	
		<i>For Each Additional Top Copes >2, Add</i>	0.69	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.96	
		<i>For Skewed Or Sloped Connections, Add</i>	12.33	
05 12 23 00-0278	LF	W16 x 45 A992/A36 Structural Beam Or Girder	96.76	31.13
		<i>For Hot Dip Galvanizing, Add</i>	17.62	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.71	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	19.35	
		<i>For Each Additional Top Copes >2, Add</i>	0.64	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.88	
		<i>For Skewed Or Sloped Connections, Add</i>	11.61	
05 12 23 00-0279	LF	W16 x 40 A992/A36 Structural Beam Or Girder	90.50	30.85
		<i>For Hot Dip Galvanizing, Add</i>	15.97	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.15	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	18.10	
		<i>For Each Additional Top Copes >2, Add</i>	0.58	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.73	
		<i>For Skewed Or Sloped Connections, Add</i>	10.86	
05 12 23 00-0280	LF	W16 x 36 A992/A36 Structural Beam Or Girder	85.61	30.65
		<i>For Hot Dip Galvanizing, Add</i>	14.69	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.70	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	17.12	
		<i>For Each Additional Top Copes >2, Add</i>	0.53	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.06	
		<i>For Skewed Or Sloped Connections, Add</i>	10.27	
05 12 23 00-0281	LF	W16 x 31 A992/A36 Structural Beam Or Girder	73.00	24.41
		<i>For Hot Dip Galvanizing, Add</i>	13.03	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.57	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	14.60	
		<i>For Each Additional Top Copes >2, Add</i>	0.47	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.64	
		<i>For Skewed Or Sloped Connections, Add</i>	8.76	
05 12 23 00-0282	LF	W16 x 26 A992/A36 Structural Beam Or Girder	65.12	24.12
		<i>For Hot Dip Galvanizing, Add</i>	10.93	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.86	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	13.02	
		<i>For Each Additional Top Copes >2, Add</i>	0.39	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.93	
		<i>For Skewed Or Sloped Connections, Add</i>	7.81	
05 12 23 00-0283	LF	W14 x 99 A992/A36 Structural Beam Or Girder	156.61	27.49
		<i>For Hot Dip Galvanizing, Add</i>	35.33	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.09	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	31.32	
		<i>For Each Additional Top Copes >2, Add</i>	1.27	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.42	
		<i>For Skewed Or Sloped Connections, Add</i>	18.79	
05 12 23 00-0284	LF	W14 x 90 A992/A36 Structural Beam Or Girder	145.53	27.00
		<i>For Hot Dip Galvanizing, Add</i>	32.39	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.10	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	29.11	
		<i>For Each Additional Top Copes >2, Add</i>	1.17	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-46.61	
		<i>For Skewed Or Sloped Connections, Add</i>	17.46	
05 12 23 00-0285	LF	W14 x 82 A992/A36 Structural Beam Or Girder	135.66	26.72
		<i>For Hot Dip Galvanizing, Add</i>	29.75	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.21	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	27.13	
		<i>For Each Additional Top Copes >2, Add</i>	1.07	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.21	
		<i>For Skewed Or Sloped Connections, Add</i>	16.28	
05 12 23 00-0286	LF	W14 x 74 A992/A36 Structural Beam Or Girder	125.78	26.33
		<i>For Hot Dip Galvanizing, Add</i>	27.11	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.32	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	25.16	
		<i>For Each Additional Top Copes >2, Add</i>	0.98	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.81	
		<i>For Skewed Or Sloped Connections, Add</i>	15.09	
05 12 23 00-0287	LF	W14 x 68 A992/A36 Structural Beam Or Girder	118.43	26.04
		<i>For Hot Dip Galvanizing, Add</i>	25.16	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.66	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	23.69	
		<i>For Each Additional Top Copes >2, Add</i>	0.91	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.29	
		<i>For Skewed Or Sloped Connections, Add</i>	14.21	
05 12 23 00-0288	LF	W14 x 61 A992/A36 Structural Beam Or Girder	109.87	25.75
		<i>For Hot Dip Galvanizing, Add</i>	22.86	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.89	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	21.97	
		<i>For Each Additional Top Copes >2, Add</i>	0.82	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.33	
		<i>For Skewed Or Sloped Connections, Add</i>	13.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF		W14 x 53 A992/A36 Structural Beam Or Girder	100.11	25.37
			For Hot Dip Galvanizing, Add	20.26	
			For High Strength Low Alloy A572-50 Steel, Add	9.01	
			For High Strength Low Alloy A588 Steel, Add	20.02	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-30.97	
			For Skewed Or Sloped Connections, Add	12.01	
05 12 23 00-0290	LF		W14 x 48 A992/A36 Structural Beam Or Girder	93.85	25.09
			For Hot Dip Galvanizing, Add	18.60	
			For High Strength Low Alloy A572-50 Steel, Add	8.45	
			For High Strength Low Alloy A588 Steel, Add	18.77	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-28.83	
			For Skewed Or Sloped Connections, Add	11.26	
05 12 23 00-0291	LF		W14 x 43 A992/A36 Structural Beam Or Girder	87.69	24.99
			For Hot Dip Galvanizing, Add	16.95	
			For High Strength Low Alloy A572-50 Steel, Add	7.89	
			For High Strength Low Alloy A588 Steel, Add	17.54	
			For Each Additional Top Copes >2, Add	0.61	
			For Structural Tees, WT, MT Or ST, Deduct	-26.70	
			For Skewed Or Sloped Connections, Add	10.52	
05 12 23 00-0292	LF		W14 x 38 A992/A36 Structural Beam Or Girder	81.57	24.79
			For Hot Dip Galvanizing, Add	15.33	
			For High Strength Low Alloy A572-50 Steel, Add	7.34	
			For High Strength Low Alloy A588 Steel, Add	16.31	
			For Each Additional Top Copes >2, Add	0.55	
			For Structural Tees, WT, MT Or ST, Deduct	-24.60	
			For Skewed Or Sloped Connections, Add	9.79	
05 12 23 00-0293	LF		W14 x 34 A992/A36 Structural Beam Or Girder	76.63	24.51
			For Hot Dip Galvanizing, Add	14.01	
			For High Strength Low Alloy A572-50 Steel, Add	6.90	
			For High Strength Low Alloy A588 Steel, Add	15.33	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-22.90	
			For Skewed Or Sloped Connections, Add	9.20	
05 12 23 00-0294	LF		W14 x 30 A992/A36 Structural Beam Or Girder	71.69	24.41
			For Hot Dip Galvanizing, Add	12.69	
			For High Strength Low Alloy A572-50 Steel, Add	6.45	
			For High Strength Low Alloy A588 Steel, Add	14.34	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-21.20	
			For Skewed Or Sloped Connections, Add	8.60	
05 12 23 00-0295	LF		W14 x 26 A992/A36 Structural Beam Or Girder	66.74	24.12
			For Hot Dip Galvanizing, Add	11.37	
			For High Strength Low Alloy A572-50 Steel, Add	6.01	
			For High Strength Low Alloy A588 Steel, Add	13.35	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-19.50	
			For Skewed Or Sloped Connections, Add	8.01	
05 12 23 00-0296	LF		W14 x 22 A992/A36 Structural Beam Or Girder	61.93	24.02
			For Hot Dip Galvanizing, Add	10.09	
			For High Strength Low Alloy A572-50 Steel, Add	5.57	
			For High Strength Low Alloy A588 Steel, Add	12.39	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.84	
			For Skewed Or Sloped Connections, Add	7.43	
05 12 23 00-0297	LF		W12 x 87 A992/A36 Structural Beam Or Girder	141.92	26.90
			For Hot Dip Galvanizing, Add	31.41	
			For High Strength Low Alloy A572-50 Steel, Add	12.77	
			For High Strength Low Alloy A588 Steel, Add	28.38	
			For Each Additional Top Copes >2, Add	1.13	
			For Structural Tees, WT, MT Or ST, Deduct	-45.36	
			For Skewed Or Sloped Connections, Add	17.03	
05 12 23 00-0298	LF		W12 x 79 A992/A36 Structural Beam Or Girder	132.04	26.52
			For Hot Dip Galvanizing, Add	28.77	
			For High Strength Low Alloy A572-50 Steel, Add	11.88	
			For High Strength Low Alloy A588 Steel, Add	26.41	
			For Each Additional Top Copes >2, Add	1.04	
			For Structural Tees, WT, MT Or ST, Deduct	-41.96	
			For Skewed Or Sloped Connections, Add	15.84	
05 12 23 00-0299	LF		W12 x 72 A992/A36 Structural Beam Or Girder	123.38	26.24
			For Hot Dip Galvanizing, Add	26.48	
			For High Strength Low Alloy A572-50 Steel, Add	11.10	
			For High Strength Low Alloy A588 Steel, Add	24.68	
			For Each Additional Top Copes >2, Add	0.95	
			For Structural Tees, WT, MT Or ST, Deduct	-38.99	
			For Skewed Or Sloped Connections, Add	14.81	
05 12 23 00-0300	LF		W12 x 65 A992/A36 Structural Beam Or Girder	114.80	25.95
			For Hot Dip Galvanizing, Add	24.18	
			For High Strength Low Alloy A572-50 Steel, Add	10.33	
			For High Strength Low Alloy A588 Steel, Add	22.96	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-36.03	
			For Skewed Or Sloped Connections, Add	13.78	
05 12 23 00-0301	LF		W12 x 58 A992/A36 Structural Beam Or Girder	106.14	25.56
			For Hot Dip Galvanizing, Add	21.88	
			For High Strength Low Alloy A572-50 Steel, Add	9.55	
			For High Strength Low Alloy A588 Steel, Add	21.23	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.06	
			For Skewed Or Sloped Connections, Add	12.74	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0302	LF	W12 x 53 A992/A36 Structural Beam Or Girder	100.11	25.37
		<i>For Hot Dip Galvanizing, Add</i>	20.26	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.01	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	20.02	
		<i>For Each Additional Top Copes >2, Add</i>	0.73	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.97	
		<i>For Skewed Or Sloped Connections, Add</i>	12.01	
05 12 23 00-0303	LF	W12 x 50 A992/A36 Structural Beam Or Girder	96.25	25.27
		<i>For Hot Dip Galvanizing, Add</i>	19.24	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.66	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	19.25	
		<i>For Each Additional Top Copes >2, Add</i>	0.69	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.65	
		<i>For Skewed Or Sloped Connections, Add</i>	11.55	
05 12 23 00-0304	LF	W12 x 45 A992/A36 Structural Beam Or Girder	90.23	25.09
		<i>For Hot Dip Galvanizing, Add</i>	17.62	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.12	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	18.05	
		<i>For Each Additional Top Copes >2, Add</i>	0.64	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.57	
		<i>For Skewed Or Sloped Connections, Add</i>	10.83	
05 12 23 00-0305	LF	W12 x 40 A992/A36 Structural Beam Or Girder	77.43	18.64
		<i>For Hot Dip Galvanizing, Add</i>	15.97	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.97	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	15.49	
		<i>For Each Additional Top Copes >2, Add</i>	0.58	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.12	
		<i>For Skewed Or Sloped Connections, Add</i>	9.29	
05 12 23 00-0306	LF	W12 x 35 A992/A36 Structural Beam Or Girder	71.41	18.55
		<i>For Hot Dip Galvanizing, Add</i>	14.35	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.43	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	14.28	
		<i>For Each Additional Top Copes >2, Add</i>	0.52	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.04	
		<i>For Skewed Or Sloped Connections, Add</i>	8.57	
05 12 23 00-0307	LF	W12 x 30 A992/A36 Structural Beam Or Girder	65.15	18.26
		<i>For Hot Dip Galvanizing, Add</i>	12.69	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.86	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	13.03	
		<i>For Each Additional Top Copes >2, Add</i>	0.46	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.89	
		<i>For Skewed Or Sloped Connections, Add</i>	7.82	
05 12 23 00-0308	LF	W12 x 26 A992/A36 Structural Beam Or Girder	60.20	18.06
		<i>For Hot Dip Galvanizing, Add</i>	11.37	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.42	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	12.04	
		<i>For Each Additional Top Copes >2, Add</i>	0.41	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.19	
		<i>For Skewed Or Sloped Connections, Add</i>	7.22	
05 12 23 00-0309	LF	W12 x 22 A992/A36 Structural Beam Or Girder	55.40	17.88
		<i>For Hot Dip Galvanizing, Add</i>	10.09	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.99	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	11.08	
		<i>For Each Additional Top Copes >2, Add</i>	0.36	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.54	
		<i>For Skewed Or Sloped Connections, Add</i>	6.65	
05 12 23 00-0310	LF	W12 x 19 A992/A36 Structural Beam Or Girder	51.64	17.78
		<i>For Hot Dip Galvanizing, Add</i>	9.08	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.65	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	10.33	
		<i>For Each Additional Top Copes >2, Add</i>	0.33	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.23	
		<i>For Skewed Or Sloped Connections, Add</i>	6.20	
05 12 23 00-0311	LF	W12 x 16 A992/A36 Structural Beam Or Girder	47.92	17.49
		<i>For Hot Dip Galvanizing, Add</i>	8.10	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.31	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	9.58	
		<i>For Each Additional Top Copes >2, Add</i>	0.29	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.96	
		<i>For Skewed Or Sloped Connections, Add</i>	5.75	
05 12 23 00-0312	LF	W12 x 14 A992/A36 Structural Beam Or Girder	45.51	17.49
		<i>For Hot Dip Galvanizing, Add</i>	7.46	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.10	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	9.10	
		<i>For Each Additional Top Copes >2, Add</i>	0.27	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.13	
		<i>For Skewed Or Sloped Connections, Add</i>	5.46	
05 12 23 00-0313	LF	W10 x 68 A992/A36 Structural Beam Or Girder	112.26	20.08
		<i>For Hot Dip Galvanizing, Add</i>	25.23	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.10	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	22.45	
		<i>For Each Additional Top Copes >2, Add</i>	0.91	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.09	
		<i>For Skewed Or Sloped Connections, Add</i>	13.47	
05 12 23 00-0314	LF	W10 x 60 A992/A36 Structural Beam Or Girder	102.51	19.70
		<i>For Hot Dip Galvanizing, Add</i>	22.63	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.23	
		<i>For High Strength Low Alloy A588 Steel, Add</i>	20.50	
		<i>For Each Additional Top Copes >2, Add</i>	0.82	
		<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.74	
		<i>For Skewed Or Sloped Connections, Add</i>	12.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315 LF W10 x 54 A992/A36 Structural Beam Or Girder	95.03	19.31
For Hot Dip Galvanizing, Add	20.64	
For High Strength Low Alloy A572-50 Steel, Add	8.55	
For High Strength Low Alloy A588 Steel, Add	19.01	
For Each Additional Top Copes >2, Add	0.74	
For Structural Tees, WT, MT Or ST, Deduct	-30.16	
For Skewed Or Sloped Connections, Add	11.40	
05 12 23 00-0316 LF W10 x 49 A992/A36 Structural Beam Or Girder	88.92	19.13
For Hot Dip Galvanizing, Add	19.02	
For High Strength Low Alloy A572-50 Steel, Add	8.00	
For High Strength Low Alloy A588 Steel, Add	17.78	
For Each Additional Top Copes >2, Add	0.69	
For Structural Tees, WT, MT Or ST, Deduct	-28.07	
For Skewed Or Sloped Connections, Add	10.67	
05 12 23 00-0317 LF W10 x 45 A992/A36 Structural Beam Or Girder	83.97	19.03
For Hot Dip Galvanizing, Add	17.70	
For High Strength Low Alloy A572-50 Steel, Add	7.56	
For High Strength Low Alloy A588 Steel, Add	16.79	
For Each Additional Top Copes >2, Add	0.64	
For Structural Tees, WT, MT Or ST, Deduct	-26.36	
For Skewed Or Sloped Connections, Add	10.08	
05 12 23 00-0318 LF W10 x 39 A992/A36 Structural Beam Or Girder	76.62	18.64
For Hot Dip Galvanizing, Add	15.74	
For High Strength Low Alloy A572-50 Steel, Add	6.90	
For High Strength Low Alloy A588 Steel, Add	15.32	
For Each Additional Top Copes >2, Add	0.57	
For Structural Tees, WT, MT Or ST, Deduct	-23.83	
For Skewed Or Sloped Connections, Add	9.19	
05 12 23 00-0319 LF W10 x 33 A992/A36 Structural Beam Or Girder	69.28	18.36
For Hot Dip Galvanizing, Add	13.78	
For High Strength Low Alloy A572-50 Steel, Add	6.24	
For High Strength Low Alloy A588 Steel, Add	13.86	
For Each Additional Top Copes >2, Add	0.50	
For Structural Tees, WT, MT Or ST, Deduct	-21.31	
For Skewed Or Sloped Connections, Add	8.31	
05 12 23 00-0320 LF W10 x 30 A992/A36 Structural Beam Or Girder	65.52	18.26
For Hot Dip Galvanizing, Add	12.77	
For High Strength Low Alloy A572-50 Steel, Add	5.90	
For High Strength Low Alloy A588 Steel, Add	13.10	
For Each Additional Top Copes >2, Add	0.46	
For Structural Tees, WT, MT Or ST, Deduct	-20.01	
For Skewed Or Sloped Connections, Add	7.86	
05 12 23 00-0321 LF W10 x 26 A992/A36 Structural Beam Or Girder	60.70	18.16
For Hot Dip Galvanizing, Add	11.49	
For High Strength Low Alloy A572-50 Steel, Add	5.46	
For High Strength Low Alloy A588 Steel, Add	12.14	
For Each Additional Top Copes >2, Add	0.41	
For Structural Tees, WT, MT Or ST, Deduct	-18.35	
For Skewed Or Sloped Connections, Add	7.28	
05 12 23 00-0322 LF W10 x 22 A992/A36 Structural Beam Or Girder	55.67	17.88
For Hot Dip Galvanizing, Add	10.17	
For High Strength Low Alloy A572-50 Steel, Add	5.01	
For High Strength Low Alloy A588 Steel, Add	11.13	
For Each Additional Top Copes >2, Add	0.37	
For Structural Tees, WT, MT Or ST, Deduct	-16.63	
For Skewed Or Sloped Connections, Add	6.68	
05 12 23 00-0323 LF W10 x 19 A992/A36 Structural Beam Or Girder	52.04	17.78
For Hot Dip Galvanizing, Add	9.19	
For High Strength Low Alloy A572-50 Steel, Add	4.68	
For High Strength Low Alloy A588 Steel, Add	10.41	
For Each Additional Top Copes >2, Add	0.33	
For Structural Tees, WT, MT Or ST, Deduct	-15.37	
For Skewed Or Sloped Connections, Add	6.24	
05 12 23 00-0324 LF W10 x 17 A992/A36 Structural Beam Or Girder	49.50	17.68
For Hot Dip Galvanizing, Add	8.51	
For High Strength Low Alloy A572-50 Steel, Add	4.46	
For High Strength Low Alloy A588 Steel, Add	9.90	
For Each Additional Top Copes >2, Add	0.31	
For Structural Tees, WT, MT Or ST, Deduct	-14.50	
For Skewed Or Sloped Connections, Add	5.94	
05 12 23 00-0325 LF W10 x 15 A992/A36 Structural Beam Or Girder	47.10	17.49
For Hot Dip Galvanizing, Add	7.87	
For High Strength Low Alloy A572-50 Steel, Add	4.24	
For High Strength Low Alloy A588 Steel, Add	9.42	
For Each Additional Top Copes >2, Add	0.28	
For Structural Tees, WT, MT Or ST, Deduct	-13.67	
For Skewed Or Sloped Connections, Add	5.65	
05 12 23 00-0326 LF W10 x 12 A992/A36 Structural Beam Or Girder	43.48	17.49
For Hot Dip Galvanizing, Add	6.89	
For High Strength Low Alloy A572-50 Steel, Add	3.91	
For High Strength Low Alloy A588 Steel, Add	8.70	
For Each Additional Top Copes >2, Add	0.25	
For Structural Tees, WT, MT Or ST, Deduct	-12.42	
For Skewed Or Sloped Connections, Add	5.22	
05 12 23 00-0327 LF W8 x 35 A992/A36 Structural Beam Or Girder	71.68	18.55
For Hot Dip Galvanizing, Add	14.42	
For High Strength Low Alloy A572-50 Steel, Add	6.45	
For High Strength Low Alloy A588 Steel, Add	14.34	
For Each Additional Top Copes >2, Add	0.52	
For Structural Tees, WT, MT Or ST, Deduct	-22.13	
For Skewed Or Sloped Connections, Add	8.60	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W8 x 31 A992/A36	Structural Beam Or Girder	66.74	18.26
			<i>For Hot Dip Galvanizing, Add</i>	13.11	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.35	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.43	
			<i>For Skewed Or Sloped Connections, Add</i>	8.01	
05 12 23 00-0329	LF	W8 x 28 A992/A36	Structural Beam Or Girder	62.06	17.20
			<i>For Hot Dip Galvanizing, Add</i>	12.13	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.41	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.97	
			<i>For Skewed Or Sloped Connections, Add</i>	7.45	
05 12 23 00-0330	LF	W8 x 24 A992/A36	Structural Beam Or Girder	56.57	16.15
			<i>For Hot Dip Galvanizing, Add</i>	10.93	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.09	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.31	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.22	
			<i>For Skewed Or Sloped Connections, Add</i>	6.79	
05 12 23 00-0331	LF	W8 x 21 A992/A36	Structural Beam Or Girder	52.65	14.99
			<i>For Hot Dip Galvanizing, Add</i>	10.16	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.74	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.53	
			<i>For Each Additional Top Copes >2, Add</i>	0.37	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.02	
			<i>For Skewed Or Sloped Connections, Add</i>	6.32	
05 12 23 00-0332	LF	W8 x 18 A992/A36	Structural Beam Or Girder	46.06	13.93
			<i>For Hot Dip Galvanizing, Add</i>	8.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.15	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	9.21	
			<i>For Each Additional Top Copes >2, Add</i>	0.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.89	
			<i>For Skewed Or Sloped Connections, Add</i>	5.53	
05 12 23 00-0333	LF	W8 x 10 A992/A36	Structural Beam Or Girder	27.21	9.99
			<i>For Hot Dip Galvanizing, Add</i>	4.62	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	5.44	
			<i>For Each Additional Top Copes >2, Add</i>	0.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-7.94	
			<i>For Skewed Or Sloped Connections, Add</i>	3.27	
05 12 23 00-0334	LF	W6 x 9 A992/A36	Structural Beam Or Girder	25.07	8.17
			<i>For Hot Dip Galvanizing, Add</i>	4.56	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.26	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	5.01	
			<i>For Each Additional Top Copes >2, Add</i>	0.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-7.48	
			<i>For Skewed Or Sloped Connections, Add</i>	3.01	
05 12 23 00-0335			A992/A36 Structural Steel, M Shapes (05 12 23 00-0117) Note: Includes material delivery and erection.		
05 12 23 00-0336	LF	M14 x 18 A992/A36	Structural Steel	51.29	12.66
			<i>For Hot Dip Galvanizing, Add</i>	10.49	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.62	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.26	
05 12 23 00-0337	LF	M12 x 11.8 A992/A36	Structural Steel	36.72	11.20
			<i>For Hot Dip Galvanizing, Add</i>	6.87	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.30	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	7.34	
05 12 23 00-0338	LF	M10 x 9 A992/A36	Structural Steel	28.47	8.99
			<i>For Hot Dip Galvanizing, Add</i>	5.24	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.56	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	5.69	
05 12 23 00-0339	LF	M8 x 6.5 A992/A36	Structural Steel	20.57	6.49
			<i>For Hot Dip Galvanizing, Add</i>	3.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	4.11	
05 12 23 00-0340	LF	M6 x 20 A992/A36	Structural Steel	58.31	15.47
			<i>For Hot Dip Galvanizing, Add</i>	11.65	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.25	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.66	
05 12 23 00-0341	LF	M6 x 4.4 A992/A36	Structural Steel	13.91	4.39
			<i>For Hot Dip Galvanizing, Add</i>	2.56	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.25	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	2.78	
05 12 23 00-0342	LF	M5 x 18.9 A992/A36	Structural Steel	56.13	15.47
			<i>For Hot Dip Galvanizing, Add</i>	10.99	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.05	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.23	
05 12 23 00-0343	LF	M4 x 13 A992/A36	Structural Steel	46.01	15.18
			<i>For Hot Dip Galvanizing, Add</i>	8.29	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.14	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.20	
05 12 23 00-0344			A992/A36 Structural Steel, S Shapes (05 12 23 00-0117) Note: Includes material delivery and erection.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0345	LF	S24 x 121	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	308.99 66.76 27.81 61.80	64.16
05 12 23 00-0346	LF	S24 x 106	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	273.84 58.49 24.65 54.77	59.16
05 12 23 00-0347	LF	S24 x 100	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	261.47 55.18 23.53 52.29	58.75
05 12 23 00-0348	LF	S24 x 90	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	238.29 49.66 21.45 47.66	55.66
05 12 23 00-0349	LF	S24 x 80	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	214.59 44.14 19.31 42.92	52.08
05 12 23 00-0350	LF	S20 x 96	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	251.02 52.97 22.59 50.20	56.40
05 12 23 00-0351	LF	S20 x 86	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	227.70 47.45 20.49 45.54	53.19
05 12 23 00-0352	LF	S20 x 75	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	201.18 41.38 18.11 40.24	48.83
05 12 23 00-0353	LF	S20 x 66	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	179.45 36.42 16.15 35.89	45.22
05 12 23 00-0354	LF	S18 x 70	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	190.32 38.62 17.13 38.06	47.97
05 12 23 00-0355	LF	S18 x 54.7	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	150.83 30.18 13.57 30.17	39.45
05 12 23 00-0356	LF	S15 x 50	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	139.89 27.59 12.59 27.98	37.96
05 12 23 00-0357	LF	S15 x 42.9	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	121.86 23.67 10.97 24.37	34.28
05 12 23 00-0358	LF	S12 x 50	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	137.87 27.59 12.41 27.57	36.07
05 12 23 00-0359	LF	S12 x 40.8	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	114.14 22.51 10.27 22.83	30.98
05 12 23 00-0360	LF	S12 x 35	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	99.41 19.31 8.95 19.88	27.97
05 12 23 00-0361	LF	S12 x 31.8	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	91.76 17.55 8.26 18.35	26.75
05 12 23 00-0362	LF	S10 x 35	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	100.99 19.31 9.09 20.20	29.45
05 12 23 00-0363	LF	S10 x 25.4	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	74.48 14.01 6.70 14.90	22.49
05 12 23 00-0364	LF	S8 x 23	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	67.45 12.69 6.07 13.49	20.37
05 12 23 00-0365	LF	S8 x 18.4	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	54.88 10.15 4.94 10.98	17.15
05 12 23 00-0366	LF	S7 x 20	A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	59.65 11.04 5.37 11.93	18.64

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0367	LF	S7 x 15.3 A992/A36 Structural Steel.....	46.43	15.02
		For Hot Dip Galvanizing, Add	8.44	
		For High Strength Low Alloy A572-50 Steel, Add	4.18	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.29	
05 12 23 00-0368	LF	S6 x 17.25 A992/A36 Structural Steel.....	51.61	16.22
		For Hot Dip Galvanizing, Add	9.52	
		For High Strength Low Alloy A572-50 Steel, Add	4.64	
		For High Strength Low Alloy A588 Grade B Steel, Add	10.32	
05 12 23 00-0369	LF	S6 x 12.5 A992/A36 Structural Steel.....	44.18	14.99
		For Hot Dip Galvanizing, Add	7.81	
		For High Strength Low Alloy A572-50 Steel, Add	3.98	
		For High Strength Low Alloy A588 Grade B Steel, Add	8.84	
05 12 23 00-0370	LF	S5 x 14.75 A992/A36 Structural Steel.....	47.09	15.28
		For Hot Dip Galvanizing, Add	8.56	
		For High Strength Low Alloy A572-50 Steel, Add	4.24	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.42	
05 12 23 00-0371	LF	S5 x 10 A992/A36 Structural Steel.....	39.89	14.90
		For Hot Dip Galvanizing, Add	6.64	
		For High Strength Low Alloy A572-50 Steel, Add	3.59	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.98	
05 12 23 00-0372	LF	S4 x 9.5 A992/A36 Structural Steel.....	38.77	14.90
		For Hot Dip Galvanizing, Add	6.33	
		For High Strength Low Alloy A572-50 Steel, Add	3.49	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.75	
05 12 23 00-0373	LF	S4 x 7.7 A992/A36 Structural Steel.....	36.21	14.90
		For Hot Dip Galvanizing, Add	5.65	
		For High Strength Low Alloy A572-50 Steel, Add	3.26	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.24	
05 12 23 00-0374	LF	S3 x 7.5 A992/A36 Structural Steel.....	35.96	14.90
		For Hot Dip Galvanizing, Add	5.58	
		For High Strength Low Alloy A572-50 Steel, Add	3.24	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.19	
05 12 23 00-0375	LF	S3 x 5.7 A992/A36 Structural Steel.....	32.91	14.80
		For Hot Dip Galvanizing, Add	4.76	
		For High Strength Low Alloy A572-50 Steel, Add	2.96	
		For High Strength Low Alloy A588 Grade B Steel, Add	6.58	

05 12 23 00-0376 A992/A36 Structural Steel, HP Shapes (05 12 23 00-0117)

Note: Includes material delivery and erection.

05 12 23 00-0377	LF	HP14 x 117 A992/A36 Structural Steel.....	191.14	19.01
		For Hot Dip Galvanizing, Add	47.42	
		For High Strength Low Alloy A572-50 Steel, Add	17.20	
		For High Strength Low Alloy A588 Grade B Steel, Add	38.23	
05 12 23 00-0378	LF	HP14 x 102 A992/A36 Structural Steel.....	167.21	17.68
		For Hot Dip Galvanizing, Add	41.17	
		For High Strength Low Alloy A572-50 Steel, Add	15.05	
		For High Strength Low Alloy A588 Grade B Steel, Add	33.44	
05 12 23 00-0379	LF	HP14 x 89 A992/A36 Structural Steel.....	148.93	16.59
		For Hot Dip Galvanizing, Add	36.42	
		For High Strength Low Alloy A572-50 Steel, Add	13.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	29.79	
05 12 23 00-0380	LF	HP14 x 73 A992/A36 Structural Steel.....	123.23	15.63
		For Hot Dip Galvanizing, Add	29.57	
		For High Strength Low Alloy A572-50 Steel, Add	11.09	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.65	
05 12 23 00-0381	LF	HP13 x 100 A992/A36 Structural Steel.....	163.94	17.34
		For Hot Dip Galvanizing, Add	40.36	
		For High Strength Low Alloy A572-50 Steel, Add	14.75	
		For High Strength Low Alloy A588 Grade B Steel, Add	32.79	
05 12 23 00-0382	LF	HP13 x 87 A992/A36 Structural Steel.....	145.59	16.22
		For Hot Dip Galvanizing, Add	35.60	
		For High Strength Low Alloy A572-50 Steel, Add	13.10	
		For High Strength Low Alloy A588 Grade B Steel, Add	29.12	
05 12 23 00-0383	LF	HP13 x 73 A992/A36 Structural Steel.....	123.23	15.63
		For Hot Dip Galvanizing, Add	29.57	
		For High Strength Low Alloy A572-50 Steel, Add	11.09	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.65	
05 12 23 00-0384	LF	HP13 x 60 A992/A36 Structural Steel.....	104.35	14.99
		For Hot Dip Galvanizing, Add	24.52	
		For High Strength Low Alloy A572-50 Steel, Add	9.39	
		For High Strength Low Alloy A588 Grade B Steel, Add	20.87	
05 12 23 00-0385	LF	HP12 x 84 A992/A36 Structural Steel.....	137.28	17.11
		For Hot Dip Galvanizing, Add	33.04	
		For High Strength Low Alloy A572-50 Steel, Add	12.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	27.46	
05 12 23 00-0386	LF	HP12 x 74 A992/A36 Structural Steel.....	121.26	16.13
		For Hot Dip Galvanizing, Add	28.88	
		For High Strength Low Alloy A572-50 Steel, Add	10.91	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.25	
05 12 23 00-0387	LF	HP12 x 63 A992/A36 Structural Steel.....	104.34	14.83
		For Hot Dip Galvanizing, Add	24.57	
		For High Strength Low Alloy A572-50 Steel, Add	9.39	
		For High Strength Low Alloy A588 Grade B Steel, Add	20.87	
05 12 23 00-0388	LF	HP12 x 53 A992/A36 Structural Steel.....	95.65	14.10
		For Hot Dip Galvanizing, Add	22.37	
		For High Strength Low Alloy A572-50 Steel, Add	8.61	
		For High Strength Low Alloy A588 Grade B Steel, Add	19.13	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0389	LF	HP10 x 57 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	100.78 23.68 9.07 20.16	14.47
05 12 23 00-0390	LF	HP10 x 42 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.99 19.02 7.47 16.60	13.56
05 12 23 00-0391	LF	HP8 x 36 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.12 16.23 6.49 14.42	12.79
05 12 23 00-0392		Lightweight Framing Steel Shapes <small>(05 12 23)</small> Note: Includes cutting to length. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0393		Angle Iron - L <small>(05 12 23 00-0392)</small>		
05 12 23 00-0394		1/8" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0395	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.27 -0.13 -0.19 -0.29 -0.39 1.54 0.33 0.45	1.30
05 12 23 00-0396	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	2.65 -0.15 -0.21 -0.33 -0.44 1.97 0.43 0.53	1.47
05 12 23 00-0397	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.01 -0.16 -0.24 -0.37 -0.50 2.42 0.53 0.60	1.63
05 12 23 00-0398	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.38 -0.18 -0.26 -0.41 -0.55 2.79 0.61 0.68	1.81
05 12 23 00-0399	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.74 -0.20 -0.29 -0.45 -0.61 3.25 0.71 0.75	1.95
05 12 23 00-0400	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.51 -0.23 -0.34 -0.53 -0.72 4.13 0.90 0.90	2.29
05 12 23 00-0401	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.51 -0.23 -0.34 -0.53 -0.72 4.13 0.90 0.90	2.29
05 12 23 00-0402	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	5.40 -0.27 -0.41 -0.64 -0.86 4.96 1.08 1.08	2.75

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0403	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	7.34	3.73
		<i>For >100 To 250, Deduct</i>	-0.37	
		<i>For >250 To 500, Deduct</i>	-0.56	
		<i>For >500 To 1,000, Deduct</i>	-0.86	
		<i>For >1,000, Deduct</i>	-1.17	
		<i>For 304 Stainless Steel, Add</i>	6.75	
		<i>For Galvanized Steel, Add</i>	1.47	
		<i>For High Strength Steel (HSS), Add</i>	1.47	
05 12 23 00-0404		3/16" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0405	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	5.35	2.42
		<i>For >100 To 250, Deduct</i>	-0.24	
		<i>For >250 To 500, Deduct</i>	-0.38	
		<i>For >500 To 1,000, Deduct</i>	-0.59	
		<i>For >1,000, Deduct</i>	-0.81	
		<i>For 304 Stainless Steel, Add</i>	6.04	
		<i>For Galvanized Steel, Add</i>	1.31	
		<i>For High Strength Steel (HSS), Add</i>	1.07	
05 12 23 00-0406	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.35	2.42
		<i>For >100 To 250, Deduct</i>	-0.24	
		<i>For >250 To 500, Deduct</i>	-0.38	
		<i>For >500 To 1,000, Deduct</i>	-0.59	
		<i>For >1,000, Deduct</i>	-0.81	
		<i>For 304 Stainless Steel, Add</i>	6.04	
		<i>For Galvanized Steel, Add</i>	1.31	
		<i>For High Strength Steel (HSS), Add</i>	1.07	
05 12 23 00-0407	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	6.04	2.60
		<i>For >100 To 250, Deduct</i>	-0.26	
		<i>For >250 To 500, Deduct</i>	-0.41	
		<i>For >500 To 1,000, Deduct</i>	-0.65	
		<i>For >1,000, Deduct</i>	-0.89	
		<i>For 304 Stainless Steel, Add</i>	7.35	
		<i>For Galvanized Steel, Add</i>	1.60	
		<i>For High Strength Steel (HSS), Add</i>	1.21	
05 12 23 00-0408	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	7.21	2.79
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.46	
		<i>For >500 To 1,000, Deduct</i>	-0.73	
		<i>For >1,000, Deduct</i>	-1.00	
		<i>For 304 Stainless Steel, Add</i>	9.98	
		<i>For Galvanized Steel, Add</i>	2.17	
		<i>For High Strength Steel (HSS), Add</i>	1.44	
05 12 23 00-0409	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	7.93	2.98
		<i>For >100 To 250, Deduct</i>	-0.30	
		<i>For >250 To 500, Deduct</i>	-0.50	
		<i>For >500 To 1,000, Deduct</i>	-0.79	
		<i>For >1,000, Deduct</i>	-1.09	
		<i>For 304 Stainless Steel, Add</i>	11.26	
		<i>For Galvanized Steel, Add</i>	2.45	
		<i>For High Strength Steel (HSS), Add</i>	1.59	
05 12 23 00-0410	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.68	3.19
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500 To 1,000, Deduct</i>	-0.86	
		<i>For >1,000, Deduct</i>	-1.18	
		<i>For 304 Stainless Steel, Add</i>	12.60	
		<i>For Galvanized Steel, Add</i>	2.74	
		<i>For High Strength Steel (HSS), Add</i>	1.74	
05 12 23 00-0411	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	8.66	3.19
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500 To 1,000, Deduct</i>	-0.86	
		<i>For >1,000, Deduct</i>	-1.18	
		<i>For 304 Stainless Steel, Add</i>	12.54	
		<i>For Galvanized Steel, Add</i>	2.73	
		<i>For High Strength Steel (HSS), Add</i>	1.73	
05 12 23 00-0412	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	9.57	3.52
		<i>For >100 To 250, Deduct</i>	-0.35	
		<i>For >250 To 500, Deduct</i>	-0.59	
		<i>For >500 To 1,000, Deduct</i>	-0.95	
		<i>For >1,000, Deduct</i>	-1.31	
		<i>For 304 Stainless Steel, Add</i>	13.85	
		<i>For Galvanized Steel, Add</i>	3.01	
		<i>For High Strength Steel (HSS), Add</i>	1.91	
05 12 23 00-0413	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	10.47	3.86
		<i>For >100 To 250, Deduct</i>	-0.39	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500 To 1,000, Deduct</i>	-1.04	
		<i>For >1,000, Deduct</i>	-1.43	
		<i>For 304 Stainless Steel, Add</i>	15.16	
		<i>For Galvanized Steel, Add</i>	3.30	
		<i>For High Strength Steel (HSS), Add</i>	2.09	
05 12 23 00-0414		1/4" Thick <small>(05 12 23 00-0393)</small>		

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0415	LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron		6.13	2.56
	For >100 To 250, Deduct		-0.26	
	For >250 To 500, Deduct		-0.41	
	For >500 To 1,000, Deduct		-0.65	
	For >1,000, Deduct		-0.89	
	For 304 Stainless Steel, Add		7.75	
	For Galvanized Steel, Add		1.69	
	For High Strength Steel (HSS), Add		1.23	
05 12 23 00-0416	LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron		6.98	2.74
	For >100 To 250, Deduct		-0.27	
	For >250 To 500, Deduct		-0.45	
	For >500 To 1,000, Deduct		-0.72	
	For >1,000, Deduct		-0.98	
	For 304 Stainless Steel, Add		9.46	
	For Galvanized Steel, Add		2.06	
	For High Strength Steel (HSS), Add		1.40	
05 12 23 00-0417	LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron		8.47	2.92
	For >100 To 250, Deduct		-0.29	
	For >250 To 500, Deduct		-0.50	
	For >500 To 1,000, Deduct		-0.81	
	For >1,000, Deduct		-1.12	
	For 304 Stainless Steel, Add		13.02	
	For Galvanized Steel, Add		2.83	
	For High Strength Steel (HSS), Add		1.69	
05 12 23 00-0418	LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron		9.50	3.24
	For >100 To 250, Deduct		-0.32	
	For >250 To 500, Deduct		-0.56	
	For >500 To 1,000, Deduct		-0.91	
	For >1,000, Deduct		-1.25	
	For 304 Stainless Steel, Add		14.79	
	For Galvanized Steel, Add		3.22	
	For High Strength Steel (HSS), Add		1.90	
05 12 23 00-0419	LF 2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron		10.60	3.54
	For >100 To 250, Deduct		-0.35	
	For >250 To 500, Deduct		-0.62	
	For >500 To 1,000, Deduct		-1.00	
	For >1,000, Deduct		-1.39	
	For 304 Stainless Steel, Add		16.73	
	For Galvanized Steel, Add		3.64	
	For High Strength Steel (HSS), Add		2.12	
05 12 23 00-0420	LF 3" x 2" x 1/4" Thick, Plain Steel Angle Iron		10.60	3.54
	For >100 To 250, Deduct		-0.35	
	For >250 To 500, Deduct		-0.62	
	For >500 To 1,000, Deduct		-1.00	
	For >1,000, Deduct		-1.39	
	For 304 Stainless Steel, Add		16.73	
	For Galvanized Steel, Add		3.64	
	For High Strength Steel (HSS), Add		2.12	
05 12 23 00-0421	LF 3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron		11.71	3.94
	For >100 To 250, Deduct		-0.39	
	For >250 To 500, Deduct		-0.69	
	For >500 To 1,000, Deduct		-1.11	
	For >1,000, Deduct		-1.53	
	For 304 Stainless Steel, Add		18.41	
	For Galvanized Steel, Add		4.01	
	For High Strength Steel (HSS), Add		2.34	
05 12 23 00-0422	LF 3" x 3" x 1/4" Thick, Plain Steel Angle Iron		12.78	4.32
	For >100 To 250, Deduct		-0.43	
	For >250 To 500, Deduct		-0.75	
	For >500 To 1,000, Deduct		-1.22	
	For >1,000, Deduct		-1.68	
	For 304 Stainless Steel, Add		19.98	
	For Galvanized Steel, Add		4.35	
	For High Strength Steel (HSS), Add		2.56	
05 12 23 00-0423	LF 3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron		13.93	4.66
	For >100 To 250, Deduct		-0.47	
	For >250 To 500, Deduct		-0.81	
	For >500 To 1,000, Deduct		-1.32	
	For >1,000, Deduct		-1.82	
	For 304 Stainless Steel, Add		22.03	
	For Galvanized Steel, Add		4.79	
	For High Strength Steel (HSS), Add		2.79	
05 12 23 00-0424	LF 3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron		14.80	0.48
	For >100 To 250, Deduct		-0.49	
	For >250 To 500, Deduct		-0.86	
	For >500 To 1,000, Deduct		-1.39	
	For >1,000, Deduct		-1.92	
	For 304 Stainless Steel, Add		23.71	
	For Galvanized Steel, Add		5.16	
	For High Strength Steel (HSS), Add		2.96	
05 12 23 00-0425	LF 4" x 3" x 1/4" Thick, Plain Steel Angle Iron		14.80	4.86
	For >100 To 250, Deduct		-0.49	
	For >250 To 500, Deduct		-0.86	
	For >500 To 1,000, Deduct		-1.39	
	For >1,000, Deduct		-1.92	
	For 304 Stainless Steel, Add		23.71	
	For Galvanized Steel, Add		5.16	
	For High Strength Steel (HSS), Add		2.96	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0426	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	15.62	5.06
		For >100 To 250, Deduct	-0.51	
		For >250 To 500, Deduct	-0.90	
		For >500 To 1,000, Deduct	-1.46	
		For >1,000, Deduct	-2.02	
		For 304 Stainless Steel, Add	25.28	
		For Galvanized Steel, Add	5.50	
		For High Strength Steel (HSS), Add	3.12	
05 12 23 00-0427	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	16.51	5.28
		For >100 To 250, Deduct	-0.53	
		For >250 To 500, Deduct	-0.94	
		For >500 To 1,000, Deduct	-1.53	
		For >1,000, Deduct	-2.12	
		For 304 Stainless Steel, Add	26.99	
		For Galvanized Steel, Add	5.87	
		For High Strength Steel (HSS), Add	3.30	
05 12 23 00-0428	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	16.51	5.28
		For >100 To 250, Deduct	-0.53	
		For >250 To 500, Deduct	-0.94	
		For >500 To 1,000, Deduct	-1.53	
		For >1,000, Deduct	-2.12	
		For 304 Stainless Steel, Add	26.99	
		For Galvanized Steel, Add	5.87	
		For High Strength Steel (HSS), Add	3.30	
05 12 23 00-0429	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.44	5.56
		For >100 To 250, Deduct	-0.56	
		For >250 To 500, Deduct	-0.99	
		For >500 To 1,000, Deduct	-1.61	
		For >1,000, Deduct	-2.24	
		For 304 Stainless Steel, Add	28.56	
		For Galvanized Steel, Add	6.21	
		For High Strength Steel (HSS), Add	3.49	
05 12 23 00-0430		5/16" Thick (05 12 23 00-0393)		
05 12 23 00-0431	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	11.47	3.76
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.66	
		For >500 To 1,000, Deduct	-1.07	
		For >1,000, Deduct	-1.49	
		For 304 Stainless Steel, Add	18.41	
		For Galvanized Steel, Add	4.01	
		For High Strength Steel (HSS), Add	2.29	
05 12 23 00-0432	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	12.48	3.99
		For >100 To 250, Deduct	-0.40	
		For >250 To 500, Deduct	-0.71	
		For >500 To 1,000, Deduct	-1.16	
		For >1,000, Deduct	-1.60	
		For 304 Stainless Steel, Add	20.43	
		For Galvanized Steel, Add	4.45	
		For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0433	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	12.48	3.99
		For >100 To 250, Deduct	-0.40	
		For >250 To 500, Deduct	-0.71	
		For >500 To 1,000, Deduct	-1.16	
		For >1,000, Deduct	-1.60	
		For 304 Stainless Steel, Add	20.43	
		For Galvanized Steel, Add	4.45	
		For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0434	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	13.86	4.37
		For >100 To 250, Deduct	-0.44	
		For >250 To 500, Deduct	-0.78	
		For >500 To 1,000, Deduct	-1.28	
		For >1,000, Deduct	-1.77	
		For 304 Stainless Steel, Add	22.89	
		For Galvanized Steel, Add	4.98	
		For High Strength Steel (HSS), Add	2.77	
05 12 23 00-0435	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	15.08	4.76
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.85	
		For >500 To 1,000, Deduct	-1.39	
		For >1,000, Deduct	-1.92	
		For 304 Stainless Steel, Add	24.94	
		For Galvanized Steel, Add	5.43	
		For High Strength Steel (HSS), Add	3.02	
05 12 23 00-0436	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	16.12	4.99
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.90	
		For >500 To 1,000, Deduct	-1.47	
		For >1,000, Deduct	-2.04	
		For 304 Stainless Steel, Add	26.99	
		For Galvanized Steel, Add	5.87	
		For High Strength Steel (HSS), Add	3.22	
05 12 23 00-0437	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	17.29	5.24
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-0.96	
		For >500 To 1,000, Deduct	-1.56	
		For >1,000, Deduct	-2.17	
		For 304 Stainless Steel, Add	29.36	
		For Galvanized Steel, Add	6.39	
		For High Strength Steel (HSS), Add	3.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.29	5.24
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.96	
			For >500 To 1,000, Deduct	-1.56	
			For >1,000, Deduct	-2.17	
			For 304 Stainless Steel, Add	29.36	
			For Galvanized Steel, Add	6.39	
			For High Strength Steel (HSS), Add	3.46	
05 12 23 00-0439	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	18.40	5.54
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000, Deduct	-2.30	
			For 304 Stainless Steel, Add	31.41	
			For Galvanized Steel, Add	6.83	
			For High Strength Steel (HSS), Add	3.68	
05 12 23 00-0440	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron	19.48	5.79
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-1.07	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.43	
			For 304 Stainless Steel, Add	33.52	
			For Galvanized Steel, Add	7.29	
			For High Strength Steel (HSS), Add	3.90	
05 12 23 00-0441	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.48	5.79
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-1.07	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.43	
			For 304 Stainless Steel, Add	33.52	
			For Galvanized Steel, Add	7.29	
			For High Strength Steel (HSS), Add	3.90	
05 12 23 00-0442	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.49	6.03
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.83	
			For >1,000, Deduct	-2.54	
			For 304 Stainless Steel, Add	35.48	
			For Galvanized Steel, Add	7.72	
			For High Strength Steel (HSS), Add	4.10	
05 12 23 00-0443	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron	23.15	6.28
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.99	
			For >1,000, Deduct	-2.78	
			For 304 Stainless Steel, Add	42.12	
			For Galvanized Steel, Add	9.16	
			For High Strength Steel (HSS), Add	4.63	
05 12 23 00-0444	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	22.75	6.54
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.22	
			For >500 To 1,000, Deduct	-2.01	
			For >1,000, Deduct	-2.80	
			For 304 Stainless Steel, Add	39.96	
			For Galvanized Steel, Add	8.69	
			For High Strength Steel (HSS), Add	4.55	
05 12 23 00-0445			3/8" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0446	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron	14.00	4.17
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.26	
			For >1,000, Deduct	-1.75	
			For 304 Stainless Steel, Add	24.05	
			For Galvanized Steel, Add	5.23	
			For High Strength Steel (HSS), Add	2.80	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	15.50	4.52
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.84	
			For >500 To 1,000, Deduct	-1.38	
			For >1,000, Deduct	-1.92	
			For 304 Stainless Steel, Add	26.99	
			For Galvanized Steel, Add	5.87	
			For High Strength Steel (HSS), Add	3.10	
05 12 23 00-0448	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron	16.79	4.87
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.91	
			For >500 To 1,000, Deduct	-1.49	
			For >1,000, Deduct	-2.07	
			For 304 Stainless Steel, Add	29.36	
			For Galvanized Steel, Add	6.39	
			For High Strength Steel (HSS), Add	3.36	
05 12 23 00-0449	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	17.99	5.00
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.95	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.18	
			For 304 Stainless Steel, Add	32.29	
			For Galvanized Steel, Add	7.02	
			For High Strength Steel (HSS), Add	3.60	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0450	LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	19.20	5.27
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-1.01	
	For >500 To 1,000, Deduct	-1.66	
	For >1,000, Deduct	-2.32	
	For 304 Stainless Steel, Add	34.66	
	For Galvanized Steel, Add	7.54	
	For High Strength Steel (HSS), Add	3.84	
05 12 23 00-0451	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron	19.20	5.27
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-1.01	
	For >500 To 1,000, Deduct	-1.66	
	For >1,000, Deduct	-2.32	
	For 304 Stainless Steel, Add	34.66	
	For Galvanized Steel, Add	7.54	
	For High Strength Steel (HSS), Add	3.84	
05 12 23 00-0452	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	20.68	5.75
	For >100 To 250, Deduct	-0.57	
	For >250 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-1.80	
	For >1,000, Deduct	-2.51	
	For 304 Stainless Steel, Add	37.11	
	For Galvanized Steel, Add	8.07	
	For High Strength Steel (HSS), Add	4.14	
05 12 23 00-0453	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron	21.91	5.92
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-1.14	
	For >500 To 1,000, Deduct	-1.88	
	For >1,000, Deduct	-2.63	
	For 304 Stainless Steel, Add	39.96	
	For Galvanized Steel, Add	8.69	
	For High Strength Steel (HSS), Add	4.38	
05 12 23 00-0454	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron	22.22	6.15
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-1.17	
	For >500 To 1,000, Deduct	-1.93	
	For >1,000, Deduct	-2.69	
	For 304 Stainless Steel, Add	39.96	
	For Galvanized Steel, Add	8.69	
	For High Strength Steel (HSS), Add	4.44	
05 12 23 00-0455	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.72	6.62
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.26	
	For >500 To 1,000, Deduct	-2.07	
	For >1,000, Deduct	-2.88	
	For 304 Stainless Steel, Add	42.41	
	For Galvanized Steel, Add	9.23	
	For High Strength Steel (HSS), Add	4.74	
05 12 23 00-0456	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron	27.95	7.73
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.47	
	For >500 To 1,000, Deduct	-2.43	
	For >1,000, Deduct	-3.38	
	For 304 Stainless Steel, Add	50.30	
	For Galvanized Steel, Add	10.94	
	For High Strength Steel (HSS), Add	5.59	
05 12 23 00-0457	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	26.31	7.18
	For >100 To 250, Deduct	-0.72	
	For >250 To 500, Deduct	-1.38	
	For >500 To 1,000, Deduct	-2.27	
	For >1,000, Deduct	-3.17	
	For 304 Stainless Steel, Add	47.71	
	For Galvanized Steel, Add	10.38	
	For High Strength Steel (HSS), Add	5.26	
05 12 23 00-0458	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron	27.95	7.73
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.47	
	For >500 To 1,000, Deduct	-2.43	
	For >1,000, Deduct	-3.38	
	For 304 Stainless Steel, Add	50.30	
	For Galvanized Steel, Add	10.94	
	For High Strength Steel (HSS), Add	5.59	
05 12 23 00-0459	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron	33.73	9.27
	For >100 To 250, Deduct	-0.93	
	For >250 To 500, Deduct	-1.77	
	For >500 To 1,000, Deduct	-2.92	
	For >1,000, Deduct	-4.07	
	For 304 Stainless Steel, Add	60.93	
	For Galvanized Steel, Add	13.26	
	For High Strength Steel (HSS), Add	6.75	
05 12 23 00-0460	LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron	30.84	8.49
	For >100 To 250, Deduct	-0.85	
	For >250 To 500, Deduct	-1.62	
	For >500 To 1,000, Deduct	-2.68	
	For >1,000, Deduct	-3.73	
	For 304 Stainless Steel, Add	55.60	
	For Galvanized Steel, Add	12.10	
	For High Strength Steel (HSS), Add	6.17	

05 12 23 00-0461 1/2" Thick (05 12 23 00-0393)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0462 LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron	20.12	4.98
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.34	
For 304 Stainless Steel, Add	38.45	
For Galvanized Steel, Add	8.36	
For High Strength Steel (HSS), Add	4.02	
05 12 23 00-0463 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron	23.76	5.88
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.76	
For 304 Stainless Steel, Add	45.37	
For Galvanized Steel, Add	9.87	
For High Strength Steel (HSS), Add	4.75	
05 12 23 00-0464 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	25.46	6.29
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.11	
For >1,000, Deduct	-2.96	
For 304 Stainless Steel, Add	48.65	
For Galvanized Steel, Add	10.58	
For High Strength Steel (HSS), Add	5.09	
05 12 23 00-0465 LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron	27.39	6.78
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.18	
For 304 Stainless Steel, Add	52.33	
For Galvanized Steel, Add	11.38	
For High Strength Steel (HSS), Add	5.48	
05 12 23 00-0466 LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron	27.39	6.78
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.36	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.18	
For 304 Stainless Steel, Add	52.33	
For Galvanized Steel, Add	11.38	
For High Strength Steel (HSS), Add	5.48	
05 12 23 00-0467 LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	29.10	7.20
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.41	
For >1,000, Deduct	-3.38	
For 304 Stainless Steel, Add	55.60	
For Galvanized Steel, Add	12.10	
For High Strength Steel (HSS), Add	5.82	
05 12 23 00-0468 LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron	34.67	8.57
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.72	
For >500 To 1,000, Deduct	-2.88	
For >1,000, Deduct	-4.03	
For 304 Stainless Steel, Add	66.23	
For Galvanized Steel, Add	14.41	
For High Strength Steel (HSS), Add	6.93	
05 12 23 00-0469 LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron	34.67	8.57
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.72	
For >500 To 1,000, Deduct	-2.88	
For >1,000, Deduct	-4.03	
For 304 Stainless Steel, Add	66.23	
For Galvanized Steel, Add	14.41	
For High Strength Steel (HSS), Add	6.93	
05 12 23 00-0470 LF 6" x 6" x 1/2" Thick, Plain Steel Angle Iron	41.94	10.37
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-3.48	
For >1,000, Deduct	-4.87	
For 304 Stainless Steel, Add	80.11	
For Galvanized Steel, Add	17.43	
For High Strength Steel (HSS), Add	8.39	
05 12 23 00-0471 LF 7" x 4" x 1/2" Thick, Plain Steel Angle Iron	38.29	9.47
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.90	
For >500 To 1,000, Deduct	-3.18	
For >1,000, Deduct	-4.45	
For 304 Stainless Steel, Add	73.16	
For Galvanized Steel, Add	15.92	
For High Strength Steel (HSS), Add	7.66	
05 12 23 00-0472 LF 8" x 4" x 1/2" Thick, Plain Steel Angle Iron	41.94	10.37
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-3.48	
For >1,000, Deduct	-4.87	
For 304 Stainless Steel, Add	80.11	
For Galvanized Steel, Add	17.43	
For High Strength Steel (HSS), Add	8.39	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0473	LF 8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	49.23	12.17
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-2.45	
	For >500 To 1,000, Deduct	-4.08	
	For >1,000, Deduct	-5.72	
	For 304 Stainless Steel, Add	94.05	
	For Galvanized Steel, Add	20.46	
	For High Strength Steel (HSS), Add	9.85	
05 12 23 00-0474	LF 8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	56.50	13.97
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-2.81	
	For >500 To 1,000, Deduct	-4.69	
	For >1,000, Deduct	-6.57	
	For 304 Stainless Steel, Add	107.93	
	For Galvanized Steel, Add	23.48	
	For High Strength Steel (HSS), Add	11.30	
05 12 23 00-0475	5/8" Thick (05 12 23 00-0393)		
05 12 23 00-0476	LF 4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	32.87	7.77
	For >100 To 250, Deduct	-0.78	
	For >250 To 500, Deduct	-1.60	
	For >500 To 1,000, Deduct	-2.68	
	For >1,000, Deduct	-3.76	
	For Galvanized Steel, Add	13.96	
	For High Strength Steel (HSS), Add	6.57	
05 12 23 00-0477	LF 5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron.....	35.19	8.31
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.71	
	For >500 To 1,000, Deduct	-2.87	
	For >1,000, Deduct	-4.02	
	For Galvanized Steel, Add	14.95	
	For High Strength Steel (HSS), Add	7.04	
05 12 23 00-0478	LF 5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	41.88	9.89
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-2.04	
	For >500 To 1,000, Deduct	-3.41	
	For >1,000, Deduct	-4.79	
	For Galvanized Steel, Add	17.79	
	For High Strength Steel (HSS), Add	8.38	
05 12 23 00-0479	LF 6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	41.88	9.89
	For >100 To 250, Deduct	-0.99	
	For >250 To 500, Deduct	-2.04	
	For >500 To 1,000, Deduct	-3.41	
	For >1,000, Deduct	-4.79	
	For Galvanized Steel, Add	17.79	
	For High Strength Steel (HSS), Add	8.38	
05 12 23 00-0480	LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	50.68	11.97
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-2.46	
	For >500 To 1,000, Deduct	-4.13	
	For >1,000, Deduct	-5.80	
	For Galvanized Steel, Add	21.53	
	For High Strength Steel (HSS), Add	10.14	
05 12 23 00-0481	LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	46.27	10.93
	For >100 To 250, Deduct	-1.09	
	For >250 To 500, Deduct	-2.25	
	For >500 To 1,000, Deduct	-3.77	
	For >1,000, Deduct	-5.29	
	For Galvanized Steel, Add	19.65	
	For High Strength Steel (HSS), Add	9.25	
05 12 23 00-0482	LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	59.67	14.10
	For >100 To 250, Deduct	-1.41	
	For >250 To 500, Deduct	-2.90	
	For >500 To 1,000, Deduct	-4.86	
	For >1,000, Deduct	-6.82	
	For Galvanized Steel, Add	25.35	
	For High Strength Steel (HSS), Add	11.93	
05 12 23 00-0483	LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	68.48	16.17
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-3.33	
	For >500 To 1,000, Deduct	-5.58	
	For >1,000, Deduct	-7.83	
	For Galvanized Steel, Add	29.09	
	For High Strength Steel (HSS), Add	13.70	
05 12 23 00-0484	3/4" Thick (05 12 23 00-0393)		
05 12 23 00-0485	LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	37.99	8.58
	For >100 To 250, Deduct	-0.86	
	For >250 To 500, Deduct	-1.81	
	For >500 To 1,000, Deduct	-3.04	
	For >1,000, Deduct	-4.28	
	For Galvanized Steel, Add	16.46	
	For High Strength Steel (HSS), Add	7.60	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0486	LF			5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	40.64	9.18
				For >100 To 250, Deduct	-0.92	
				For >250 To 500, Deduct	-1.93	
				For >500 To 1,000, Deduct	-3.26	
				For >1,000, Deduct	-4.58	
				For Galvanized Steel, Add	17.61	
				For High Strength Steel (HSS), Add	8.13	
05 12 23 00-0487	LF			5" x 5" x 3/4" Thick, Plain Steel Angle Iron	48.45	10.95
				For >100 To 250, Deduct	-1.09	
				For >250 To 500, Deduct	-2.31	
				For >500 To 1,000, Deduct	-3.88	
				For >1,000, Deduct	-5.46	
				For Galvanized Steel, Add	20.99	
				For High Strength Steel (HSS), Add	9.69	
05 12 23 00-0488	LF			6" x 4" x 3/4" Thick, Plain Steel Angle Iron	48.45	10.95
				For >100 To 250, Deduct	-1.09	
				For >250 To 500, Deduct	-2.31	
				For >500 To 1,000, Deduct	-3.88	
				For >1,000, Deduct	-5.46	
				For Galvanized Steel, Add	20.99	
				For High Strength Steel (HSS), Add	9.69	
05 12 23 00-0489	LF			6" x 6" x 3/4" Thick, Plain Steel Angle Iron	58.91	13.30
				For >100 To 250, Deduct	-1.33	
				For >250 To 500, Deduct	-2.80	
				For >500 To 1,000, Deduct	-4.72	
				For >1,000, Deduct	-6.64	
				For Galvanized Steel, Add	25.53	
				For High Strength Steel (HSS), Add	11.78	
05 12 23 00-0490	LF			7" x 4" x 3/4" Thick, Plain Steel Angle Iron	53.78	12.15
				For >100 To 250, Deduct	-1.22	
				For >250 To 500, Deduct	-2.56	
				For >500 To 1,000, Deduct	-4.31	
				For >1,000, Deduct	-6.06	
				For Galvanized Steel, Add	23.30	
				For High Strength Steel (HSS), Add	10.76	
05 12 23 00-0491	LF			8" x 4" x 3/4" Thick, Plain Steel Angle Iron	58.91	13.30
				For >100 To 250, Deduct	-1.33	
				For >250 To 500, Deduct	-2.80	
				For >500 To 1,000, Deduct	-4.72	
				For >1,000, Deduct	-6.64	
				For Galvanized Steel, Add	25.53	
				For High Strength Steel (HSS), Add	11.78	
05 12 23 00-0492	LF			8" x 6" x 3/4" Thick, Plain Steel Angle Iron	69.39	15.67
				For >100 To 250, Deduct	-1.57	
				For >250 To 500, Deduct	-3.30	
				For >500 To 1,000, Deduct	-5.56	
				For >1,000, Deduct	-7.82	
				For Galvanized Steel, Add	30.07	
				For High Strength Steel (HSS), Add	13.88	
05 12 23 00-0493	LF			8" x 8" x 3/4" Thick, Plain Steel Angle Iron	79.86	18.04
				For >100 To 250, Deduct	-1.80	
				For >250 To 500, Deduct	-3.80	
				For >500 To 1,000, Deduct	-6.40	
				For >1,000, Deduct	-9.00	
				For Galvanized Steel, Add	34.60	
				For High Strength Steel (HSS), Add	15.97	
05 12 23 00-0494				7/8" Thick (05 12 23 00-0393)		
05 12 23 00-0495	LF			5" x 5" x 7/8" Thick, Plain Steel Angle Iron	54.70	11.76
				For >100 To 250, Deduct	-1.18	
				For >250 To 500, Deduct	-2.54	
				For >500 To 1,000, Deduct	-4.30	
				For >1,000, Deduct	-6.06	
				For Galvanized Steel, Add	24.19	
				For High Strength Steel (HSS), Add	10.94	
05 12 23 00-0496	LF			6" x 4" x 7/8" Thick, Plain Steel Angle Iron	54.70	11.76
				For >100 To 250, Deduct	-1.18	
				For >250 To 500, Deduct	-2.54	
				For >500 To 1,000, Deduct	-4.30	
				For >1,000, Deduct	-6.06	
				For Galvanized Steel, Add	24.19	
				For High Strength Steel (HSS), Add	10.94	
05 12 23 00-0497	LF			6" x 6" x 7/8" Thick, Plain Steel Angle Iron	66.59	14.32
				For >100 To 250, Deduct	-1.43	
				For >250 To 500, Deduct	-3.10	
				For >500 To 1,000, Deduct	-5.24	
				For >1,000, Deduct	-7.38	
				For Galvanized Steel, Add	29.44	
				For High Strength Steel (HSS), Add	13.32	
05 12 23 00-0498	LF			8" x 6" x 7/8" Thick, Plain Steel Angle Iron	78.66	16.92
				For >100 To 250, Deduct	-1.69	
				For >250 To 500, Deduct	-3.66	
				For >500 To 1,000, Deduct	-6.19	
				For >1,000, Deduct	-8.72	
				For Galvanized Steel, Add	34.78	
				For High Strength Steel (HSS), Add	15.73	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0499	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	90.51	19.48
		<i>For >100 To 250, Deduct</i>	-1.95	
		<i>For >250 To 500, Deduct</i>	-4.21	
		<i>For >500 To 1,000, Deduct</i>	-7.12	
		<i>For >1,000, Deduct</i>	-10.03	
		<i>For Galvanized Steel, Add</i>	40.02	
		<i>For High Strength Steel (HSS), Add</i>	18.10	
05 12 23 00-0500		Bar Channel <small>(05 12 23 00-0392)</small>		
05 12 23 00-0501	LF	1" x 1/2" x 1/8" Thick Bar Channel.....	4.16	
		<i>For 304 Stainless Steel, Add</i>	4.45	
		<i>For 316 Stainless Steel, Add</i>	4.99	
		<i>For Aluminum, Add</i>	0.28	
		<i>For Galvanized Steel, Add</i>	0.97	
		<i>For High Strength Steel (HSS), Add</i>	0.83	
05 12 23 00-0502	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	4.70	
		<i>For 304 Stainless Steel, Add</i>	5.33	
		<i>For 316 Stainless Steel, Add</i>	5.98	
		<i>For Aluminum, Add</i>	0.34	
		<i>For Galvanized Steel, Add</i>	1.16	
		<i>For High Strength Steel (HSS), Add</i>	0.94	
05 12 23 00-0503	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	5.13	
		<i>For 304 Stainless Steel, Add</i>	5.90	
		<i>For 316 Stainless Steel, Add</i>	6.62	
		<i>For Aluminum, Add</i>	0.37	
		<i>For Galvanized Steel, Add</i>	1.28	
		<i>For High Strength Steel (HSS), Add</i>	1.03	
05 12 23 00-0504	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	5.82	
		<i>For 304 Stainless Steel, Add</i>	6.16	
		<i>For 316 Stainless Steel, Add</i>	6.91	
		<i>For Aluminum, Add</i>	0.39	
		<i>For Galvanized Steel, Add</i>	1.34	
		<i>For High Strength Steel (HSS), Add</i>	1.16	
05 12 23 00-0505	LF	2" x 1/2" x 1/8" Thick Bar Channel.....	6.30	
		<i>For 304 Stainless Steel, Add</i>	7.52	
		<i>For 316 Stainless Steel, Add</i>	8.45	
		<i>For Aluminum, Add</i>	0.48	
		<i>For Galvanized Steel, Add</i>	1.64	
05 12 23 00-0506	LF	2" x 1" x 1/8" Thick Bar Channel.....	8.17	
		<i>For 304 Stainless Steel, Add</i>	8.41	
		<i>For 316 Stainless Steel, Add</i>	9.44	
		<i>For Aluminum, Add</i>	0.53	
		<i>For Galvanized Steel, Add</i>	1.83	
05 12 23 00-0507		Channels - C <small>(05 12 23 00-0392)</small>		
05 12 23 00-0508	LF	C2 x 1.78 - 2" Wide Channel.....	6.81	3.22
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.49	
		<i>For >500 To 1,000, Deduct</i>	-0.77	
		<i>For >1,000, Deduct</i>	-1.05	
		<i>For 304 Stainless Steel, Add</i>	7.15	
		<i>For 316 Stainless Steel, Add</i>	8.03	
		<i>For Aluminum, Add</i>	0.45	
		<i>For Galvanized Steel, Add</i>	1.56	
05 12 23 00-0509	LF	C3 x 4.1 - 3" Wide Channel.....	12.06	4.64
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.77	
		<i>For >500 To 1,000, Deduct</i>	-1.22	
		<i>For >1,000, Deduct</i>	-1.68	
		<i>For 304 Stainless Steel, Add</i>	16.76	
		<i>For 316 Stainless Steel, Add</i>	18.82	
		<i>For Aluminum, Add</i>	1.06	
		<i>For Galvanized Steel, Add</i>	3.65	
05 12 23 00-0510	LF	C3 x 5 - 3" Wide Channel.....	14.71	5.66
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500 To 1,000, Deduct</i>	-1.49	
		<i>For >1,000, Deduct</i>	-2.05	
		<i>For 304 Stainless Steel, Add</i>	20.43	
		<i>For 316 Stainless Steel, Add</i>	22.94	
		<i>For Aluminum, Add</i>	1.29	
		<i>For Galvanized Steel, Add</i>	4.45	
05 12 23 00-0511	LF	C3 x 6 - 3" Wide Channel.....	17.66	6.79
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-1.12	
		<i>For >500 To 1,000, Deduct</i>	-1.79	
		<i>For >1,000, Deduct</i>	-2.46	
		<i>For 304 Stainless Steel, Add</i>	24.54	
		<i>For 316 Stainless Steel, Add</i>	27.55	
		<i>For Aluminum, Add</i>	1.55	
		<i>For Galvanized Steel, Add</i>	5.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0512	LF		C4 x 5.4 - 4" Wide Channel	15.17	5.56
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.50	
			For >1,000, Deduct	-2.07	
			For 304 Stainless Steel, Add	22.09	
			For 316 Stainless Steel, Add	24.80	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.81	
05 12 23 00-0513	LF		C4 x 7.25 - 4" Wide Channel	20.36	7.46
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-1.26	
			For >500 To 1,000, Deduct	-2.01	
			For >1,000, Deduct	-2.77	
			For 304 Stainless Steel, Add	29.64	
			For 316 Stainless Steel, Add	33.28	
			For Aluminum, Add	1.87	
			For Galvanized Steel, Add	6.45	
05 12 23 00-0514	LF		C5 x 6.7 - 5" Wide Channel	18.26	6.48
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.78	
			For >1,000, Deduct	-2.45	
			For 304 Stainless Steel, Add	27.39	
			For 316 Stainless Steel, Add	30.75	
			For Aluminum, Add	1.73	
			For Galvanized Steel, Add	5.96	
05 12 23 00-0515	LF		C5 x 9 - 5" Wide Channel	24.53	8.72
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.48	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.29	
			For 304 Stainless Steel, Add	36.79	
			For 316 Stainless Steel, Add	41.31	
			For Aluminum, Add	2.32	
			For Galvanized Steel, Add	8.00	
05 12 23 00-0516	LF		C6 x 8.2 - 6" Wide Channel	22.14	7.79
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.33	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.96	
			For 304 Stainless Steel, Add	33.52	
			For 316 Stainless Steel, Add	37.63	
			For Aluminum, Add	2.12	
			For Galvanized Steel, Add	7.29	
05 12 23 00-0517	LF		C6 x 10.5 - 6" Wide Channel	28.35	9.98
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.71	
			For >500 To 1,000, Deduct	-2.75	
			For >1,000, Deduct	-3.79	
			For 304 Stainless Steel, Add	42.92	
			For 316 Stainless Steel, Add	48.19	
			For Aluminum, Add	2.71	
			For Galvanized Steel, Add	9.34	
05 12 23 00-0518	LF		C6 x 13 - 6" Wide Channel	35.12	12.35
			For >100 To 250, Deduct	-1.24	
			For >250 To 500, Deduct	-2.11	
			For >500 To 1,000, Deduct	-3.40	
			For >1,000, Deduct	-4.69	
			For 304 Stainless Steel, Add	53.15	
			For 316 Stainless Steel, Add	59.68	
			For Aluminum, Add	3.36	
			For Galvanized Steel, Add	11.56	
05 12 23 00-0519	LF		C7 x 9.8 - 7" Wide Channel	26.42	9.27
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.56	
			For >1,000, Deduct	-3.53	
			For 304 Stainless Steel, Add	40.07	
			For 316 Stainless Steel, Add	44.99	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	
05 12 23 00-0520	LF		C7 x 12.25 - 7" Wide Channel	33.02	11.59
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.98	
			For >500 To 1,000, Deduct	-3.20	
			For >1,000, Deduct	-4.41	
			For 304 Stainless Steel, Add	50.07	
			For 316 Stainless Steel, Add	56.22	
			For Aluminum, Add	3.16	
			For Galvanized Steel, Add	10.89	
05 12 23 00-0521	LF		C7 x 14.75 - 7" Wide Channel	39.77	13.96
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.85	
			For >1,000, Deduct	-5.31	
			For 304 Stainless Steel, Add	60.31	
			For 316 Stainless Steel, Add	67.71	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.12	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0522	LF	C8 x 11.5 - 8" Wide Channel.....	30.10	10.20
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.77	
		<i>For >500 To 1,000, Deduct</i>	-2.87	
		<i>For >1,000, Deduct</i>	-3.96	
		<i>For 304 Stainless Steel, Add</i>	47.03	
		<i>For 316 Stainless Steel, Add</i>	52.80	
		<i>For Aluminum, Add</i>	2.97	
		<i>For Galvanized Steel, Add</i>	10.23	
05 12 23 00-0523	LF	C8 x 13.75 - 8" Wide Channel.....	35.98	12.20
		<i>For >100 To 250, Deduct</i>	-1.22	
		<i>For >250 To 500, Deduct</i>	-2.12	
		<i>For >500 To 1,000, Deduct</i>	-3.43	
		<i>For >1,000, Deduct</i>	-4.73	
		<i>For 304 Stainless Steel, Add</i>	56.20	
		<i>For 316 Stainless Steel, Add</i>	63.10	
		<i>For Aluminum, Add</i>	3.55	
		<i>For Galvanized Steel, Add</i>	12.23	
05 12 23 00-0524	LF	C8 x 18.75 - 8" Wide Channel.....	49.06	16.63
		<i>For >100 To 250, Deduct</i>	-1.66	
		<i>For >250 To 500, Deduct</i>	-2.89	
		<i>For >500 To 1,000, Deduct</i>	-4.67	
		<i>For >1,000, Deduct</i>	-6.45	
		<i>For 304 Stainless Steel, Add</i>	76.64	
		<i>For 316 Stainless Steel, Add</i>	86.05	
		<i>For Aluminum, Add</i>	4.84	
		<i>For Galvanized Steel, Add</i>	16.67	
05 12 23 00-0525	LF	C9 x 13.4 - 9" Wide Channel.....	35.06	11.89
		<i>For >100 To 250, Deduct</i>	-1.19	
		<i>For >250 To 500, Deduct</i>	-2.06	
		<i>For >500 To 1,000, Deduct</i>	-3.34	
		<i>For >1,000, Deduct</i>	-4.61	
		<i>For 304 Stainless Steel, Add</i>	54.78	
		<i>For 316 Stainless Steel, Add</i>	61.50	
		<i>For Aluminum, Add</i>	3.46	
		<i>For Galvanized Steel, Add</i>	11.92	
05 12 23 00-0526	LF	C9 x 15 - 9" Wide Channel.....	39.25	13.30
		<i>For >100 To 250, Deduct</i>	-1.33	
		<i>For >250 To 500, Deduct</i>	-2.31	
		<i>For >500 To 1,000, Deduct</i>	-3.74	
		<i>For >1,000, Deduct</i>	-5.16	
		<i>For 304 Stainless Steel, Add</i>	61.33	
		<i>For 316 Stainless Steel, Add</i>	68.86	
		<i>For Aluminum, Add</i>	3.87	
		<i>For Galvanized Steel, Add</i>	13.34	
05 12 23 00-0527	LF	C9 x 20 - 9" Wide Channel.....	52.34	17.73
		<i>For >100 To 250, Deduct</i>	-1.77	
		<i>For >250 To 500, Deduct</i>	-3.08	
		<i>For >500 To 1,000, Deduct</i>	-4.98	
		<i>For >1,000, Deduct</i>	-6.88	
		<i>For 304 Stainless Steel, Add</i>	81.77	
		<i>For 316 Stainless Steel, Add</i>	91.81	
		<i>For Aluminum, Add</i>	5.16	
		<i>For Galvanized Steel, Add</i>	17.79	
05 12 23 00-0528	LF	C10 x 15.3 - 10" Wide Channel.....	40.04	13.56
		<i>For >100 To 250, Deduct</i>	-1.36	
		<i>For >250 To 500, Deduct</i>	-2.36	
		<i>For >500 To 1,000, Deduct</i>	-3.81	
		<i>For >1,000, Deduct</i>	-5.26	
		<i>For 304 Stainless Steel, Add</i>	62.56	
		<i>For 316 Stainless Steel, Add</i>	70.24	
		<i>For Aluminum, Add</i>	3.95	
		<i>For Galvanized Steel, Add</i>	13.61	
05 12 23 00-0529	LF	C10 x 20 - 10" Wide Channel.....	52.34	17.73
		<i>For >100 To 250, Deduct</i>	-1.77	
		<i>For >250 To 500, Deduct</i>	-3.08	
		<i>For >500 To 1,000, Deduct</i>	-4.98	
		<i>For >1,000, Deduct</i>	-6.88	
		<i>For 304 Stainless Steel, Add</i>	81.77	
		<i>For 316 Stainless Steel, Add</i>	91.81	
		<i>For Aluminum, Add</i>	5.16	
		<i>For Galvanized Steel, Add</i>	17.79	
05 12 23 00-0530	LF	C10 x 25 - 10" Wide Channel.....	65.43	22.17
		<i>For >100 To 250, Deduct</i>	-2.22	
		<i>For >250 To 500, Deduct</i>	-3.85	
		<i>For >500 To 1,000, Deduct</i>	-6.23	
		<i>For >1,000, Deduct</i>	-8.60	
		<i>For 304 Stainless Steel, Add</i>	102.20	
		<i>For 316 Stainless Steel, Add</i>	114.75	
		<i>For Aluminum, Add</i>	6.45	
		<i>For Galvanized Steel, Add</i>	22.23	
05 12 23 00-0531	LF	C10 x 30 - 10" Wide Channel.....	78.51	26.61
		<i>For >100 To 250, Deduct</i>	-2.66	
		<i>For >250 To 500, Deduct</i>	-4.62	
		<i>For >500 To 1,000, Deduct</i>	-7.47	
		<i>For >1,000, Deduct</i>	-10.32	
		<i>For 304 Stainless Steel, Add</i>	122.64	
		<i>For 316 Stainless Steel, Add</i>	137.70	
		<i>For Aluminum, Add</i>	7.75	
		<i>For Galvanized Steel, Add</i>	26.68	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0532	LF	C12 x 20.7 - 12" Wide Channel	54.17	18.36
		For >100 To 250, Deduct	-1.84	
		For >250 To 500, Deduct	-3.19	
		For >500 To 1,000, Deduct	-5.16	
		For >1,000, Deduct	-7.12	
		For 304 Stainless Steel, Add	84.62	
		For 316 Stainless Steel, Add	95.01	
		For Aluminum, Add	5.34	
		For Galvanized Steel, Add	18.41	
05 12 23 00-0533	LF	C12 x 25 - 12" Wide Channel	65.43	22.17
		For >100 To 250, Deduct	-2.22	
		For >250 To 500, Deduct	-3.85	
		For >500 To 1,000, Deduct	-6.23	
		For >1,000, Deduct	-8.60	
		For 304 Stainless Steel, Add	102.20	
		For 316 Stainless Steel, Add	114.75	
		For Aluminum, Add	6.45	
		For Galvanized Steel, Add	22.23	
05 12 23 00-0534	LF	C12 x 30 - 12" Wide Channel	78.51	26.61
		For >100 To 250, Deduct	-2.66	
		For >250 To 500, Deduct	-4.62	
		For >500 To 1,000, Deduct	-7.47	
		For >1,000, Deduct	-10.32	
		For 304 Stainless Steel, Add	122.64	
		For 316 Stainless Steel, Add	137.70	
		For Aluminum, Add	7.75	
		For Galvanized Steel, Add	26.68	
05 12 23 00-0535	LF	C15 x 33.9 - 15" Wide Channel	88.72	30.06
		For >100 To 250, Deduct	-3.01	
		For >250 To 500, Deduct	-5.22	
		For >500 To 1,000, Deduct	-8.45	
		For >1,000, Deduct	-11.67	
		For 304 Stainless Steel, Add	138.60	
		For 316 Stainless Steel, Add	155.62	
		For Aluminum, Add	8.75	
		For Galvanized Steel, Add	30.15	
05 12 23 00-0536	LF	C15 x 40 - 15" Wide Channel	104.68	35.48
		For >100 To 250, Deduct	-3.55	
		For >250 To 500, Deduct	-6.16	
		For >500 To 1,000, Deduct	-9.96	
		For >1,000, Deduct	-13.76	
		For 304 Stainless Steel, Add	163.53	
		For 316 Stainless Steel, Add	183.62	
		For Aluminum, Add	10.33	
		For Galvanized Steel, Add	35.58	
05 12 23 00-0537	LF	C15 x 50 - 15" Wide Channel	130.85	44.34
		For >100 To 250, Deduct	-4.43	
		For >250 To 500, Deduct	-7.71	
		For >500 To 1,000, Deduct	-12.46	
		For >1,000, Deduct	-17.21	
		For 304 Stainless Steel, Add	204.40	
		For 316 Stainless Steel, Add	229.50	
		For Aluminum, Add	12.91	
		For Galvanized Steel, Add	44.47	
05 12 23 00-0538		Miscellaneous Channels - MC <small>(05 12 23 00-0392)</small>		
05 12 23 00-0539	LF	MC6 x 12 - 6" Wide Channel	32.41	11.40
		For >100 To 250, Deduct	-1.14	
		For >250 To 500, Deduct	-1.95	
		For >500 To 1,000, Deduct	-3.14	
		For >1,000, Deduct	-4.33	
		For 304 Stainless Steel, Add	49.05	
		For 316 Stainless Steel, Add	55.07	
		For Aluminum, Add	3.10	
		For Galvanized Steel, Add	10.67	
05 12 23 00-0540	LF	MC6 x 15.1 - 6" Wide Channel	40.78	14.34
		For >100 To 250, Deduct	-1.43	
		For >250 To 500, Deduct	-2.45	
		For >500 To 1,000, Deduct	-3.95	
		For >1,000, Deduct	-5.45	
		For 304 Stainless Steel, Add	61.73	
		For 316 Stainless Steel, Add	69.31	
		For Aluminum, Add	3.90	
		For Galvanized Steel, Add	13.43	
05 12 23 00-0541	LF	MC6 x 15.3 - 6" Wide Channel	41.33	14.53
		For >100 To 250, Deduct	-1.45	
		For >250 To 500, Deduct	-2.49	
		For >500 To 1,000, Deduct	-4.00	
		For >1,000, Deduct	-5.52	
		For 304 Stainless Steel, Add	62.56	
		For 316 Stainless Steel, Add	70.24	
		For Aluminum, Add	3.95	
		For Galvanized Steel, Add	13.61	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0542	LF	MC6 x 16.3 - 6" Wide Channel.....	44.02	15.48
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-2.65	
		For >500 To 1,000, Deduct	-4.27	
		For >1,000, Deduct	-5.88	
		For 304 Stainless Steel, Add	66.63	
		For 316 Stainless Steel, Add	74.82	
		For Aluminum, Add	4.21	
		For Galvanized Steel, Add	14.50	
05 12 23 00-0543	LF	MC6 x 18 - 6" Wide Channel.....	48.62	17.10
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.93	
		For >500 To 1,000, Deduct	-4.71	
		For >1,000, Deduct	-6.50	
		For 304 Stainless Steel, Add	73.59	
		For 316 Stainless Steel, Add	82.62	
		For Aluminum, Add	4.65	
		For Galvanized Steel, Add	16.01	
05 12 23 00-0544	LF	MC7 x 17.6 - 7" Wide Channel.....	47.46	16.65
		For >100 To 250, Deduct	-1.67	
		For >250 To 500, Deduct	-2.85	
		For >500 To 1,000, Deduct	-4.59	
		For >1,000, Deduct	-6.34	
		For 304 Stainless Steel, Add	71.96	
		For 316 Stainless Steel, Add	80.80	
		For Aluminum, Add	4.55	
		For Galvanized Steel, Add	15.66	
05 12 23 00-0545	LF	MC7 x 19.1 - 7" Wide Channel.....	51.50	18.08
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-3.10	
		For >500 To 1,000, Deduct	-4.99	
		For >1,000, Deduct	-6.88	
		For 304 Stainless Steel, Add	78.09	
		For 316 Stainless Steel, Add	87.68	
		For Aluminum, Add	4.93	
		For Galvanized Steel, Add	16.99	
05 12 23 00-0546	LF	MC7 x 22.7 - 7" Wide Channel.....	61.20	21.48
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-3.68	
		For >500 To 1,000, Deduct	-5.92	
		For >1,000, Deduct	-8.17	
		For 304 Stainless Steel, Add	92.80	
		For 316 Stainless Steel, Add	104.19	
		For Aluminum, Add	5.86	
		For Galvanized Steel, Add	20.19	
05 12 23 00-0547	LF	MC8 x 8.5 - 8" Wide Channel.....	22.25	7.54
		For >100 To 250, Deduct	-0.75	
		For >250 To 500, Deduct	-1.31	
		For >500 To 1,000, Deduct	-2.12	
		For >1,000, Deduct	-2.93	
		For 304 Stainless Steel, Add	34.74	
		For 316 Stainless Steel, Add	39.01	
		For Aluminum, Add	2.19	
		For Galvanized Steel, Add	7.56	
05 12 23 00-0548	LF	MC8 x 18.7 - 8" Wide Channel.....	48.94	16.58
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.88	
		For >500 To 1,000, Deduct	-4.66	
		For >1,000, Deduct	-6.44	
		For 304 Stainless Steel, Add	76.44	
		For 316 Stainless Steel, Add	85.82	
		For Aluminum, Add	4.83	
		For Galvanized Steel, Add	16.63	
05 12 23 00-0549	LF	MC8 x 20 - 8" Wide Channel.....	52.34	17.73
		For >100 To 250, Deduct	-1.77	
		For >250 To 500, Deduct	-3.08	
		For >500 To 1,000, Deduct	-4.98	
		For >1,000, Deduct	-6.88	
		For 304 Stainless Steel, Add	81.77	
		For 316 Stainless Steel, Add	91.81	
		For Aluminum, Add	5.16	
		For Galvanized Steel, Add	17.79	
05 12 23 00-0550	LF	MC8 x 21.4 - 8" Wide Channel.....	56.01	18.99
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-3.30	
		For >500 To 1,000, Deduct	-5.33	
		For >1,000, Deduct	-7.36	
		For 304 Stainless Steel, Add	87.50	
		For 316 Stainless Steel, Add	98.24	
		For Aluminum, Add	5.53	
		For Galvanized Steel, Add	19.03	
05 12 23 00-0551	LF	MC8 x 22.8 - 8" Wide Channel.....	59.66	20.23
		For >100 To 250, Deduct	-2.02	
		For >250 To 500, Deduct	-3.51	
		For >500 To 1,000, Deduct	-5.68	
		For >1,000, Deduct	-7.84	
		For 304 Stainless Steel, Add	93.20	
		For 316 Stainless Steel, Add	104.64	
		For Aluminum, Add	5.89	
		For Galvanized Steel, Add	20.27	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0552	LF		MC9 x 23.9 - 9" Wide Channel	62.55	21.20
				For >100 To 250, Deduct	-2.12	
				For >250 To 500, Deduct	-3.68	
				For >500 To 1,000, Deduct	-5.95	
				For >1,000, Deduct	-8.23	
				For 304 Stainless Steel, Add	97.70	
				For 316 Stainless Steel, Add	109.70	
				For Aluminum, Add	6.17	
				For Galvanized Steel, Add	21.25	
	05 12 23 00-0553	LF		MC9 x 25.4 - 9" Wide Channel	66.46	22.53
				For >100 To 250, Deduct	-2.25	
				For >250 To 500, Deduct	-3.91	
				For >500 To 1,000, Deduct	-6.33	
				For >1,000, Deduct	-8.74	
				For 304 Stainless Steel, Add	103.83	
				For 316 Stainless Steel, Add	116.58	
				For Aluminum, Add	6.56	
				For Galvanized Steel, Add	22.59	
	05 12 23 00-0554	LF		MC10 x 6.5 - 10" Wide Channel.....	17.01	5.76
				For >100 To 250, Deduct	-0.58	
				For >250 To 500, Deduct	-1.00	
				For >500 To 1,000, Deduct	-1.62	
				For >1,000, Deduct	-2.24	
				For 304 Stainless Steel, Add	26.56	
				For 316 Stainless Steel, Add	29.82	
				For Aluminum, Add	1.68	
				For Galvanized Steel, Add	5.78	
	05 12 23 00-0555	LF		MC10 x 8.4 - 10" Wide Channel.....	21.98	7.45
				For >100 To 250, Deduct	-0.74	
				For >250 To 500, Deduct	-1.29	
				For >500 To 1,000, Deduct	-2.09	
				For >1,000, Deduct	-2.89	
				For 304 Stainless Steel, Add	34.34	
				For 316 Stainless Steel, Add	38.56	
				For Aluminum, Add	2.17	
				For Galvanized Steel, Add	7.47	
	05 12 23 00-0556	LF		MC10 x 21.9 - 10" Wide Channel.....	57.30	19.43
				For >100 To 250, Deduct	-1.94	
				For >250 To 500, Deduct	-3.37	
				For >500 To 1,000, Deduct	-5.45	
				For >1,000, Deduct	-7.53	
				For 304 Stainless Steel, Add	89.52	
				For 316 Stainless Steel, Add	100.51	
				For Aluminum, Add	5.65	
				For Galvanized Steel, Add	19.47	
	05 12 23 00-0557	LF		MC10 x 24.9 - 10" Wide Channel.....	65.17	22.09
				For >100 To 250, Deduct	-2.21	
				For >250 To 500, Deduct	-3.84	
				For >500 To 1,000, Deduct	-6.20	
				For >1,000, Deduct	-8.57	
				For 304 Stainless Steel, Add	101.80	
				For 316 Stainless Steel, Add	114.30	
				For Aluminum, Add	6.43	
				For Galvanized Steel, Add	22.15	
	05 12 23 00-0558	LF		MC10 x 25.3 - 10" Wide Channel.....	66.21	22.44
				For >100 To 250, Deduct	-2.24	
				For >250 To 500, Deduct	-3.90	
				For >500 To 1,000, Deduct	-6.30	
				For >1,000, Deduct	-8.71	
				For 304 Stainless Steel, Add	103.43	
				For 316 Stainless Steel, Add	116.13	
				For Aluminum, Add	6.53	
				For Galvanized Steel, Add	22.50	
	05 12 23 00-0559	LF		MC10 x 28.3 - 10" Wide Channel.....	74.06	25.09
				For >100 To 250, Deduct	-2.51	
				For >250 To 500, Deduct	-4.36	
				For >500 To 1,000, Deduct	-7.05	
				For >1,000, Deduct	-9.74	
				For 304 Stainless Steel, Add	115.68	
				For 316 Stainless Steel, Add	129.89	
				For Aluminum, Add	7.31	
				For Galvanized Steel, Add	25.17	
	05 12 23 00-0560	LF		MC10 x 28.5 - 10" Wide Channel.....	74.58	25.28
				For >100 To 250, Deduct	-2.53	
				For >250 To 500, Deduct	-4.39	
				For >500 To 1,000, Deduct	-7.10	
				For >1,000, Deduct	-9.81	
				For 304 Stainless Steel, Add	116.51	
				For 316 Stainless Steel, Add	130.82	
				For Aluminum, Add	7.36	
				For Galvanized Steel, Add	25.35	
	05 12 23 00-0561	LF		MC10 x 33.6 - 10" Wide Channel.....	87.94	29.80
				For >100 To 250, Deduct	-2.98	
				For >250 To 500, Deduct	-5.18	
				For >500 To 1,000, Deduct	-8.37	
				For >1,000, Deduct	-11.56	
				For 304 Stainless Steel, Add	137.37	
				For 316 Stainless Steel, Add	154.24	
				For Aluminum, Add	8.68	
				For Galvanized Steel, Add	29.88	

05 Metals

05 10 Structural Metal Framing

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MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0562	LF	MC10 x 41.1 - 10" Wide Channel.....	107.55	36.46
		For >100 To 250, Deduct	-3.65	
		For >250 To 500, Deduct	-6.33	
		For >500 To 1,000, Deduct	-10.24	
		For >1,000, Deduct	-14.14	
		For 304 Stainless Steel, Add	168.01	
		For 316 Stainless Steel, Add	188.64	
		For Aluminum, Add	10.61	
		For Galvanized Steel, Add	36.55	
05 12 23 00-0563	LF	MC12 x 30.9 - 12" Wide Channel.....	80.87	27.41
		For >100 To 250, Deduct	-2.74	
		For >250 To 500, Deduct	-4.76	
		For >500 To 1,000, Deduct	-7.70	
		For >1,000, Deduct	-10.63	
		For 304 Stainless Steel, Add	126.31	
		For 316 Stainless Steel, Add	141.82	
		For Aluminum, Add	7.98	
		For Galvanized Steel, Add	27.48	
05 12 23 00-0564	LF	MC12 x 32.9 - 12" Wide Channel.....	86.10	29.17
		For >100 To 250, Deduct	-2.92	
		For >250 To 500, Deduct	-5.07	
		For >500 To 1,000, Deduct	-8.20	
		For >1,000, Deduct	-11.32	
		For 304 Stainless Steel, Add	134.49	
		For 316 Stainless Steel, Add	151.01	
		For Aluminum, Add	8.49	
		For Galvanized Steel, Add	29.26	
05 12 23 00-0565	LF	MC12 x 35 - 12" Wide Channel.....	91.59	31.04
		For >100 To 250, Deduct	-3.10	
		For >250 To 500, Deduct	-5.39	
		For >500 To 1,000, Deduct	-8.72	
		For >1,000, Deduct	-12.04	
		For 304 Stainless Steel, Add	143.07	
		For 316 Stainless Steel, Add	160.64	
		For Aluminum, Add	9.04	
		For Galvanized Steel, Add	31.12	
05 12 23 00-0566	LF	MC12 x 37 - 12" Wide Channel.....	96.83	32.82
		For >100 To 250, Deduct	-3.28	
		For >250 To 500, Deduct	-5.70	
		For >500 To 1,000, Deduct	-9.22	
		For >1,000, Deduct	-12.73	
		For 304 Stainless Steel, Add	151.25	
		For 316 Stainless Steel, Add	169.82	
		For Aluminum, Add	9.55	
		For Galvanized Steel, Add	32.90	
05 12 23 00-0567	LF	MC12 x 40 - 12" Wide Channel.....	104.68	35.48
		For >100 To 250, Deduct	-3.55	
		For >250 To 500, Deduct	-6.16	
		For >500 To 1,000, Deduct	-9.96	
		For >1,000, Deduct	-13.76	
		For 304 Stainless Steel, Add	163.53	
		For 316 Stainless Steel, Add	183.62	
		For Aluminum, Add	10.33	
		For Galvanized Steel, Add	35.58	
05 12 23 00-0568	LF	MC12 x 45 - 12" Wide Channel.....	117.77	39.92
		For >100 To 250, Deduct	-3.99	
		For >250 To 500, Deduct	-6.94	
		For >500 To 1,000, Deduct	-11.21	
		For >1,000, Deduct	-15.49	
		For 304 Stainless Steel, Add	183.97	
		For 316 Stainless Steel, Add	206.56	
		For Aluminum, Add	11.62	
		For Galvanized Steel, Add	40.02	
05 12 23 00-0569	LF	MC12 x 50 - 12" Wide Channel.....	130.85	44.35
		For >100 To 250, Deduct	-4.43	
		For >250 To 500, Deduct	-7.71	
		For >500 To 1,000, Deduct	-12.46	
		For >1,000, Deduct	-17.21	
		For 304 Stainless Steel, Add	204.40	
		For 316 Stainless Steel, Add	229.50	
		For Aluminum, Add	12.91	
		For Galvanized Steel, Add	44.47	
05 12 23 00-0570	LF	MC13 x 31.8 - 13" Wide Channel.....	83.22	28.21
		For >100 To 250, Deduct	-2.82	
		For >250 To 500, Deduct	-4.90	
		For >500 To 1,000, Deduct	-7.92	
		For >1,000, Deduct	-10.94	
		For 304 Stainless Steel, Add	129.99	
		For 316 Stainless Steel, Add	145.95	
		For Aluminum, Add	8.21	
		For Galvanized Steel, Add	28.28	
05 12 23 00-0571	LF	MC13 x 35 - 13" Wide Channel.....	91.59	31.04
		For >100 To 250, Deduct	-3.10	
		For >250 To 500, Deduct	-5.39	
		For >500 To 1,000, Deduct	-8.72	
		For >1,000, Deduct	-12.04	
		For 304 Stainless Steel, Add	143.07	
		For 316 Stainless Steel, Add	160.64	
		For Aluminum, Add	9.04	
		For Galvanized Steel, Add	31.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0572	LF		MC13 x 40 - 13" Wide Channel	104.68	35.48
			For >100 To 250, Deduct	-3.55	
			For >250 To 500, Deduct	-6.16	
			For >500 To 1,000, Deduct	-9.96	
			For >1,000, Deduct	-13.76	
			For 304 Stainless Steel, Add	163.53	
			For 316 Stainless Steel, Add	183.62	
			For Aluminum, Add	10.33	
			For Galvanized Steel, Add	35.58	
05 12 23 00-0573	LF		MC13 x 50 - 13" Wide Channel	130.85	44.35
			For >100 To 250, Deduct	-4.43	
			For >250 To 500, Deduct	-7.71	
			For >500 To 1,000, Deduct	-12.46	
			For >1,000, Deduct	-17.21	
			For 304 Stainless Steel, Add	204.40	
			For 316 Stainless Steel, Add	229.50	
			For Aluminum, Add	12.91	
			For Galvanized Steel, Add	44.47	
05 12 23 00-0574	LF		MC18 x 42.7 - 18" Wide Channel.....	111.75	37.87
			For >100 To 250, Deduct	-3.79	
			For >250 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-10.64	
			For >1,000, Deduct	-14.69	
			For 304 Stainless Steel, Add	174.56	
			For 316 Stainless Steel, Add	196.00	
			For Aluminum, Add	11.03	
			For Galvanized Steel, Add	37.98	
05 12 23 00-0575	LF		MC18 x 45.8 - 18" Wide Channel.....	119.85	40.63
			For >100 To 250, Deduct	-4.06	
			For >250 To 500, Deduct	-7.06	
			For >500 To 1,000, Deduct	-11.41	
			For >1,000, Deduct	-15.76	
			For 304 Stainless Steel, Add	187.22	
			For 316 Stainless Steel, Add	210.21	
			For Aluminum, Add	11.82	
			For Galvanized Steel, Add	40.73	
05 12 23 00-0576	LF		MC18 x 51.9 - 18" Wide Channel.....	135.82	46.03
			For >100 To 250, Deduct	-4.60	
			For >250 To 500, Deduct	-8.00	
			For >500 To 1,000, Deduct	-12.93	
			For >1,000, Deduct	-17.86	
			For 304 Stainless Steel, Add	212.15	
			For 316 Stainless Steel, Add	238.21	
			For Aluminum, Add	13.40	
			For Galvanized Steel, Add	46.15	
05 12 23 00-0577	LF		MC18 x 58 - 18" Wide Channel	151.78	51.44
			For >100 To 250, Deduct	-5.14	
			For >250 To 500, Deduct	-8.94	
			For >500 To 1,000, Deduct	-14.45	
			For >1,000, Deduct	-19.96	
			For 304 Stainless Steel, Add	237.09	
			For 316 Stainless Steel, Add	266.21	
			For Aluminum, Add	14.97	
			For Galvanized Steel, Add	51.58	
05 12 23 00-0578			Structural Bar Tees (05 12 23 00-0392)		
05 12 23 00-0579	LF		3/4" x 3/4" x 1/8" Structural Bar Tee	4.31	2.36
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.34	
			For >500 To 1,000, Deduct	-0.53	
			For >1,000, Deduct	-0.72	
			For 304 Stainless Steel, Add	3.31	
			For 316 Stainless Steel, Add	3.71	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.72	
05 12 23 00-0580	LF		1" x 1" x 1/8" Structural Bar Tee	5.30	2.78
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.41	
			For >500 To 1,000, Deduct	-0.64	
			For >1,000, Deduct	-0.86	
			For 304 Stainless Steel, Add	4.53	
			For 316 Stainless Steel, Add	5.09	
			For Aluminum, Add	0.29	
			For Galvanized Steel, Add	0.99	
05 12 23 00-0581	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.83	3.21
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.20	
			For 304 Stainless Steel, Add	12.97	
			For 316 Stainless Steel, Add	14.56	
			For Aluminum, Add	0.82	
			For Galvanized Steel, Add	2.82	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0582	LF 2" x 2" x 1/4" Structural Bar Tee	12.37	4.20
	For >100 To 250, Deduct	-0.42	
	For >250 To 500, Deduct	-0.73	
	For >500 To 1,000, Deduct	-1.18	
	For >1,000, Deduct	-1.63	
	For 304 Stainless Steel, Add	19.29	
	For 316 Stainless Steel, Add	21.66	
	For Aluminum, Add	1.22	
	For Galvanized Steel, Add	4.20	
05 12 23 00-0583	LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	18.92	5.07
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.98	
	For >500 To 1,000, Deduct	-1.62	
	For >1,000, Deduct	-2.26	
	For 304 Stainless Steel, Add	34.66	
	For 316 Stainless Steel, Add	38.91	
	For Aluminum, Add	2.19	
	For Galvanized Steel, Add	7.54	
05 12 23 00-0584	LF 3" x 3" x 3/8" Structural Bar Tee	23.25	6.49
	For >100 To 250, Deduct	-0.65	
	For >250 To 500, Deduct	-1.23	
	For >500 To 1,000, Deduct	-2.03	
	For >1,000, Deduct	-2.83	
	For 304 Stainless Steel, Add	41.61	
	For 316 Stainless Steel, Add	46.72	
	For Aluminum, Add	2.63	
	For Galvanized Steel, Add	9.05	
05 12 23 00-0585	Structural Zees <small>(05 12 23 00-0392)</small>		
05 12 23 00-0586	LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	11.06	3.21
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.60	
	For >500 To 1,000, Deduct	-0.98	
	For >1,000, Deduct	-1.36	
	For 304 Stainless Steel, Add	19.32	
	For 316 Stainless Steel, Add	21.70	
	For Aluminum, Add	1.22	
	For Galvanized Steel, Add	4.20	
05 12 23 00-0587	LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	21.34	3.83
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.92	
	For >500 To 1,000, Deduct	-1.58	
	For >1,000, Deduct	-2.24	
	For 304 Stainless Steel, Add	46.26	
	For 316 Stainless Steel, Add	51.94	
	For Aluminum, Add	2.92	
	For Galvanized Steel, Add	10.06	
05 12 23 00-0588	LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	25.63	4.32
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-1.07	
	For >500 To 1,000, Deduct	-1.86	
	For >1,000, Deduct	-2.64	
	For 304 Stainless Steel, Add	56.60	
	For 316 Stainless Steel, Add	63.55	
	For Aluminum, Add	3.57	
	For Galvanized Steel, Add	12.31	
05 12 23 00-0589	LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	34.68	4.95
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-1.36	
	For >500 To 1,000, Deduct	-2.39	
	For >1,000, Deduct	-3.42	
	For 304 Stainless Steel, Add	80.06	
	For 316 Stainless Steel, Add	89.89	
	For Aluminum, Add	5.06	
	For Galvanized Steel, Add	17.42	
05 12 23 00-0590	LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	45.19	5.38
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-1.67	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.29	
	For 304 Stainless Steel, Add	108.36	
	For 316 Stainless Steel, Add	121.66	
	For Aluminum, Add	6.84	
	For Galvanized Steel, Add	23.57	
05 12 23 00-0591	Junior I-Beams <small>(05 12 23 00-0392)</small>		
05 12 23 00-0592	LF 3" Junior I-Beam, 2.9 LB/LF	15.12	4.64
	For >100 To 250, Deduct	-0.46	
	For >250 To 500, Deduct	-0.84	
	For >500 To 1,000, Deduct	-1.37	
	For >1,000, Deduct	-1.91	
	For 304 Stainless Steel, Add	25.48	
	For 316 Stainless Steel, Add	28.61	
	For Aluminum, Add	1.61	
	For Galvanized Steel, Add	5.54	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593	LF	4" Junior I-Beam, 3.2 LB/LF.....	16.62	5.07
		For >100 To 250, Deduct	-0.51	
		For >250 To 500, Deduct	-0.92	
		For >500 To 1,000, Deduct	-1.51	
		For >1,000, Deduct	-2.09	
		For 304 Stainless Steel, Add	28.10	
		For 316 Stainless Steel, Add	31.55	
		For Aluminum, Add	1.77	
		For Galvanized Steel, Add	6.11	
05 12 23 00-0594	LF	5" Junior I-Beam, 3.8 LB/LF.....	19.12	5.56
		For >100 To 250, Deduct	-0.56	
		For >250 To 500, Deduct	-1.03	
		For >500 To 1,000, Deduct	-1.70	
		For >1,000, Deduct	-2.36	
		For 304 Stainless Steel, Add	33.37	
		For 316 Stainless Steel, Add	37.47	
		For Aluminum, Add	2.11	
		For Galvanized Steel, Add	7.26	
05 12 23 00-0595	LF	6" Junior I-Beam, 4.4 LB/LF.....	21.64	6.06
		For >100 To 250, Deduct	-0.61	
		For >250 To 500, Deduct	-1.15	
		For >500 To 1,000, Deduct	-1.89	
		For >1,000, Deduct	-2.63	
		For 304 Stainless Steel, Add	38.65	
		For 316 Stainless Steel, Add	43.39	
		For Aluminum, Add	2.44	
		For Galvanized Steel, Add	8.41	
05 12 23 00-0596	LF	7" Junior I-Beam, 5.5 LB/LF.....	25.60	6.49
		For >100 To 250, Deduct	-0.65	
		For >250 To 500, Deduct	-1.29	
		For >500 To 1,000, Deduct	-2.15	
		For >1,000, Deduct	-3.00	
		For 304 Stainless Steel, Add	48.31	
		For 316 Stainless Steel, Add	54.24	
		For Aluminum, Add	3.05	
		For Galvanized Steel, Add	10.51	
05 12 23 00-0597	LF	8" Junior I-Beam, 6.5 LB/LF.....	29.26	6.92
		For >100 To 250, Deduct	-0.69	
		For >250 To 500, Deduct	-1.42	
		For >500 To 1,000, Deduct	-2.39	
		For >1,000, Deduct	-3.35	
		For 304 Stainless Steel, Add	57.09	
		For 316 Stainless Steel, Add	64.10	
		For Aluminum, Add	3.61	
		For Galvanized Steel, Add	12.42	
05 12 23 00-0598	LF	10" Junior I-Beam, 9 LB/LF.....	38.29	7.92
		For >100 To 250, Deduct	-0.79	
		For >250 To 500, Deduct	-1.75	
		For >500 To 1,000, Deduct	-2.97	
		For >1,000, Deduct	-4.19	
		For 304 Stainless Steel, Add	79.06	
		For 316 Stainless Steel, Add	88.77	
		For Aluminum, Add	4.99	
		For Galvanized Steel, Add	17.20	
05 12 23 00-0599	LF	12" Junior I-Beam, 11.8 LB/LF.....	48.90	9.39
		For >100 To 250, Deduct	-0.94	
		For >250 To 500, Deduct	-2.16	
		For >500 To 1,000, Deduct	-3.70	
		For >1,000, Deduct	-5.23	
		For 304 Stainless Steel, Add	103.65	
		For 316 Stainless Steel, Add	116.38	
		For Aluminum, Add	6.55	
		For Galvanized Steel, Add	22.55	
05 12 23 00-0600 Round Stock <small>(05 12 23 00-0392)</small>				
05 12 23 00-0601	LF	1/4" Carbon Steel Rounds, ASTM A108.....	1.71	
		For 304 Stainless Steel, Add	2.51	
		For 316 Stainless Steel, Add	2.82	
		For Aluminum, Add	0.16	
		For Galvanized Steel, Add	0.55	
05 12 23 00-0602	LF	3/8" Carbon Steel Rounds, ASTM A108.....	2.67	
		For 304 Stainless Steel, Add	4.93	
		For 316 Stainless Steel, Add	5.54	
		For Aluminum, Add	0.31	
		For Galvanized Steel, Add	1.07	
05 12 23 00-0603	LF	1/2" Carbon Steel Rounds, ASTM A108.....	3.66	
		For 304 Stainless Steel, Add	7.50	
		For 316 Stainless Steel, Add	8.42	
		For Aluminum, Add	0.47	
		For Galvanized Steel, Add	1.63	
05 12 23 00-0604	LF	5/8" Carbon Steel Rounds, ASTM A108.....	5.52	
		For 304 Stainless Steel, Add	12.48	
		For 316 Stainless Steel, Add	14.02	
		For Aluminum, Add	0.79	
		For Galvanized Steel, Add	2.72	
05 12 23 00-0605	LF	3/4" Carbon Steel Rounds, ASTM A108.....	6.58	
		For 304 Stainless Steel, Add	14.85	
		For 316 Stainless Steel, Add	16.67	
		For Aluminum, Add	0.94	
		For Galvanized Steel, Add	3.23	

05 Metals

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MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0606	LF	7/8" Carbon Steel Rounds, ASTM A108	7.67	
		<i>For 304 Stainless Steel, Add</i>	17.33	
		<i>For 316 Stainless Steel, Add</i>	19.46	
		<i>For Aluminum, Add</i>	1.09	
		<i>For Galvanized Steel, Add</i>	3.77	
05 12 23 00-0607	LF	1" Carbon Steel Rounds, ASTM A108	11.14	
		<i>For 304 Stainless Steel, Add</i>	26.42	
		<i>For 316 Stainless Steel, Add</i>	29.66	
		<i>For Aluminum, Add</i>	1.67	
		<i>For Galvanized Steel, Add</i>	5.75	
05 12 23 00-0608	LF	1-1/8" Carbon Steel Rounds, ASTM A108	13.56	
		<i>For 304 Stainless Steel, Add</i>	32.12	
		<i>For 316 Stainless Steel, Add</i>	36.06	
		<i>For Aluminum, Add</i>	2.03	
		<i>For Galvanized Steel, Add</i>	6.99	
05 12 23 00-0609	LF	1-1/4" Carbon Steel Rounds, ASTM A108	16.20	
		<i>For 304 Stainless Steel, Add</i>	37.79	
		<i>For 316 Stainless Steel, Add</i>	42.43	
		<i>For Aluminum, Add</i>	2.39	
		<i>For Galvanized Steel, Add</i>	8.22	
05 12 23 00-0610	LF	1-3/8" Carbon Steel Rounds, ASTM A108	19.61	
		<i>For 304 Stainless Steel, Add</i>	46.11	
		<i>For 316 Stainless Steel, Add</i>	51.78	
		<i>For Aluminum, Add</i>	2.91	
		<i>For Galvanized Steel, Add</i>	10.03	
05 12 23 00-0611	LF	1-1/2" Carbon Steel Rounds, ASTM A108	21.87	
		<i>For 304 Stainless Steel, Add</i>	50.59	
		<i>For 316 Stainless Steel, Add</i>	56.80	
		<i>For Aluminum, Add</i>	3.20	
		<i>For Galvanized Steel, Add</i>	11.01	
05 12 23 00-0612	LF	1-5/8" Carbon Steel Rounds, ASTM A108	25.27	
		<i>For 304 Stainless Steel, Add</i>	57.34	
		<i>For 316 Stainless Steel, Add</i>	64.38	
		<i>For Aluminum, Add</i>	3.62	
		<i>For Galvanized Steel, Add</i>	12.47	
05 12 23 00-0613	LF	1-3/4" Carbon Steel Rounds, ASTM A108	30.28	
		<i>For 304 Stainless Steel, Add</i>	66.72	
		<i>For 316 Stainless Steel, Add</i>	74.91	
		<i>For Aluminum, Add</i>	4.21	
		<i>For Galvanized Steel, Add</i>	14.51	
05 12 23 00-0614	LF	1-7/8" Carbon Steel Rounds, ASTM A108	36.49	
		<i>For 304 Stainless Steel, Add</i>	78.15	
		<i>For 316 Stainless Steel, Add</i>	87.74	
		<i>For Aluminum, Add</i>	4.94	
		<i>For Galvanized Steel, Add</i>	17.00	
05 12 23 00-0615	LF	2" Carbon Steel Rounds, ASTM A108	41.70	
		<i>For 304 Stainless Steel, Add</i>	86.93	
		<i>For 316 Stainless Steel, Add</i>	97.60	
		<i>For Aluminum, Add</i>	5.49	
		<i>For Galvanized Steel, Add</i>	18.91	
05 12 23 00-0616	LF	2-1/8" Carbon Steel Rounds, ASTM A108	48.75	
		<i>For 304 Stainless Steel, Add</i>	99.29	
		<i>For 316 Stainless Steel, Add</i>	111.49	
		<i>For Aluminum, Add</i>	6.27	
		<i>For Galvanized Steel, Add</i>	21.60	
05 12 23 00-0617	LF	2-1/4" Carbon Steel Rounds, ASTM A108	55.16	
		<i>For 304 Stainless Steel, Add</i>	111.63	
		<i>For 316 Stainless Steel, Add</i>	125.34	
		<i>For Aluminum, Add</i>	7.05	
		<i>For Galvanized Steel, Add</i>	24.29	
05 12 23 00-0618	LF	2-3/8" Carbon Steel Rounds, ASTM A108	63.19	
		<i>For 304 Stainless Steel, Add</i>	127.68	
		<i>For 316 Stainless Steel, Add</i>	143.36	
		<i>For Aluminum, Add</i>	8.06	
		<i>For Galvanized Steel, Add</i>	27.78	
05 12 23 00-0619	LF	2-1/2" Carbon Steel Rounds, ASTM A108	69.87	
		<i>For 304 Stainless Steel, Add</i>	137.60	
		<i>For 316 Stainless Steel, Add</i>	154.50	
		<i>For Aluminum, Add</i>	8.69	
		<i>For Galvanized Steel, Add</i>	29.93	
05 12 23 00-0620	LF	2-5/8" Carbon Steel Rounds, ASTM A108	85.32	
		<i>For 304 Stainless Steel, Add</i>	174.79	
		<i>For 316 Stainless Steel, Add</i>	196.26	
		<i>For Aluminum, Add</i>	11.04	
		<i>For Galvanized Steel, Add</i>	38.02	
05 12 23 00-0621	LF	2-3/4" Carbon Steel Rounds, ASTM A108	97.13	
		<i>For 304 Stainless Steel, Add</i>	199.33	
		<i>For 316 Stainless Steel, Add</i>	223.81	
		<i>For Aluminum, Add</i>	12.59	
		<i>For Galvanized Steel, Add</i>	43.36	
05 12 23 00-0622	LF	2-7/8" Carbon Steel Rounds, ASTM A108	108.33	
		<i>For 304 Stainless Steel, Add</i>	222.13	
		<i>For 316 Stainless Steel, Add</i>	249.41	
		<i>For Aluminum, Add</i>	14.03	
		<i>For Galvanized Steel, Add</i>	48.32	
05 12 23 00-0623	LF	3" Carbon Steel Rounds, ASTM A108	113.86	
		<i>For 304 Stainless Steel, Add</i>	228.77	
		<i>For 316 Stainless Steel, Add</i>	256.86	
		<i>For Aluminum, Add</i>	14.45	
		<i>For Galvanized Steel, Add</i>	49.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0624	LF	3-1/8" Carbon Steel Rounds, ASTM A108.....	118.84		
		<i>For 304 Stainless Steel, Add</i>	233.84		
		<i>For 316 Stainless Steel, Add</i>	262.56		
		<i>For Aluminum, Add</i>	14.77		
		<i>For Galvanized Steel, Add</i>	50.87		
05 12 23 00-0625	LF	3-1/4" Carbon Steel Rounds, ASTM A108.....	125.39		
		<i>For 304 Stainless Steel, Add</i>	243.39		
		<i>For 316 Stainless Steel, Add</i>	273.28		
		<i>For Aluminum, Add</i>	15.37		
		<i>For Galvanized Steel, Add</i>	52.95		
05 12 23 00-0626	LF	3-1/2" Carbon Steel Rounds, ASTM A108.....	152.35		
		<i>For 304 Stainless Steel, Add</i>	308.83		
		<i>For 316 Stainless Steel, Add</i>	346.75		
		<i>For Aluminum, Add</i>	19.50		
		<i>For Galvanized Steel, Add</i>	67.18		
05 12 23 00-0627	LF	3-5/8" Carbon Steel Rounds, ASTM A108.....	169.21		
		<i>For 304 Stainless Steel, Add</i>	345.48		
		<i>For 316 Stainless Steel, Add</i>	387.90		
		<i>For Aluminum, Add</i>	21.82		
		<i>For Galvanized Steel, Add</i>	75.16		
05 12 23 00-0628	LF	3-3/4" Carbon Steel Rounds, ASTM A108.....	181.66		
		<i>For 304 Stainless Steel, Add</i>	369.56		
		<i>For 316 Stainless Steel, Add</i>	414.94		
		<i>For Aluminum, Add</i>	23.34		
		<i>For Galvanized Steel, Add</i>	80.40		
05 12 23 00-0629	LF	4" Carbon Steel Rounds, ASTM A108.....	203.62		
		<i>For 304 Stainless Steel, Add</i>	420.75		
		<i>For 316 Stainless Steel, Add</i>	472.42		
		<i>For Aluminum, Add</i>	26.57		
		<i>For Galvanized Steel, Add</i>	91.53		

05 12 23 00-0630 Square Stock (05 12 23 00-0392)

05 12 23 00-0631	LF	3/8" Square Bar Stock.....	1.62		
		<i>For 304 Stainless Steel, Add</i>	1.94		
		<i>For 316 Stainless Steel, Add</i>	2.18		
		<i>For Aluminum, Add</i>	0.12		
		<i>For Galvanized Steel, Add</i>	0.42		
05 12 23 00-0632	LF	1/2" Square Bar Stock.....	2.24		
		<i>For 304 Stainless Steel, Add</i>	3.45		
		<i>For 316 Stainless Steel, Add</i>	3.87		
		<i>For Aluminum, Add</i>	0.22		
		<i>For Galvanized Steel, Add</i>	0.75		
05 12 23 00-0633	LF	5/8" Square Bar Stock.....	3.03		
		<i>For 304 Stainless Steel, Add</i>	5.39		
		<i>For 316 Stainless Steel, Add</i>	6.05		
		<i>For Aluminum, Add</i>	0.34		
		<i>For Galvanized Steel, Add</i>	1.17		
05 12 23 00-0634	LF	3/4" Square Bar Stock.....	4.10		
		<i>For 304 Stainless Steel, Add</i>	7.78		
		<i>For 316 Stainless Steel, Add</i>	8.74		
		<i>For Aluminum, Add</i>	0.49		
		<i>For Galvanized Steel, Add</i>	1.69		
05 12 23 00-0635	LF	7/8" Square Bar Stock.....	5.40		
		<i>For 304 Stainless Steel, Add</i>	10.86		
		<i>For 316 Stainless Steel, Add</i>	12.19		
		<i>For Aluminum, Add</i>	0.69		
		<i>For Galvanized Steel, Add</i>	2.36		
05 12 23 00-0636	LF	1" Square Bar Stock.....	6.74		
		<i>For 304 Stainless Steel, Add</i>	13.88		
		<i>For 316 Stainless Steel, Add</i>	15.58		
		<i>For Aluminum, Add</i>	0.88		
		<i>For Galvanized Steel, Add</i>	3.02		
05 12 23 00-0637	LF	1-1/4" Square Bar Stock.....	10.54		
		<i>For 304 Stainless Steel, Add</i>	21.66		
		<i>For 316 Stainless Steel, Add</i>	24.32		
		<i>For Aluminum, Add</i>	1.37		
		<i>For Galvanized Steel, Add</i>	4.71		
05 12 23 00-0638	LF	1-1/2" Square Bar Stock.....	15.06		
		<i>For 304 Stainless Steel, Add</i>	31.18		
		<i>For 316 Stainless Steel, Add</i>	35.01		
		<i>For Aluminum, Add</i>	1.97		
		<i>For Galvanized Steel, Add</i>	6.78		
05 12 23 00-0639	LF	1-3/4" Square Bar Stock.....	22.08		
		<i>For 304 Stainless Steel, Add</i>	43.35		
		<i>For 316 Stainless Steel, Add</i>	48.67		
		<i>For Aluminum, Add</i>	2.74		
		<i>For Galvanized Steel, Add</i>	9.43		
05 12 23 00-0640	LF	2" Square Bar Stock.....	31.00		
		<i>For 304 Stainless Steel, Add</i>	55.46		
		<i>For 316 Stainless Steel, Add</i>	62.27		
		<i>For Aluminum, Add</i>	3.50		
		<i>For Galvanized Steel, Add</i>	12.07		

05 12 23 00-0641 Steel Tubing (05 12 23 00-0392)

Note: General purpose low-carbon steel.

05 12 23 00-0642 Square Steel Tubing (05 12 23 00-0641)

05 12 23 00-0643 0.06" Wall Thickness (05 12 23 00-0642)

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0644	LF 1/2" x 1/2" x 0.06" Square Steel Tubing	2.39	0.44
	For >100 To 250, Deduct	-0.05	
	For >250 To 500, Deduct	-0.10	
	For >500 To 1,000, Deduct	-0.18	
	For >1,000, Deduct	-0.25	
	For Galvanized Steel, Add	1.11	
05 12 23 00-0645	LF 3/4" x 3/4" x 0.06" Square Steel Tubing	3.65	0.70
	For >100 To 250, Deduct	-0.07	
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.28	
	For >1,000, Deduct	-0.39	
	For Galvanized Steel, Add	1.69	
05 12 23 00-0646	LF 1" x 1" x 0.06" Square Steel Tubing	4.90	1.26
	For >100 To 250, Deduct	-0.09	
	For >250 To 500, Deduct	-0.22	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000, Deduct	-0.53	
	For Galvanized Steel, Add	2.26	
05 12 23 00-0647	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	6.52	1.20
	For >100 To 250, Deduct	-0.12	
	For >250 To 500, Deduct	-0.28	
	For >500 To 1,000, Deduct	-0.49	
	For >1,000, Deduct	-0.69	
	For Galvanized Steel, Add	3.04	
05 12 23 00-0648	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	7.70	1.45
	For >100 To 250, Deduct	-0.15	
	For >250 To 500, Deduct	-0.34	
	For >500 To 1,000, Deduct	-0.58	
	For >1,000, Deduct	-0.82	
	For Galvanized Steel, Add	3.57	
05 12 23 00-0649	0.083" Wall Thickness (05 12 23 00-0642)		
05 12 23 00-0650	LF 3/4" x 3/4" x 0.083" Square Steel Tubing	4.25	0.82
	For >100 To 250, Deduct	-0.08	
	For >250 To 500, Deduct	-0.19	
	For >500 To 1,000, Deduct	-0.32	
	For >1,000, Deduct	-0.46	
	For Galvanized Steel, Add	1.96	
05 12 23 00-0651	LF 1" x 1" x 0.083" Square Steel Tubing	6.22	1.12
	For >100 To 250, Deduct	-0.11	
	For >250 To 500, Deduct	-0.27	
	For >500 To 1,000, Deduct	-0.46	
	For >1,000, Deduct	-0.65	
	For Galvanized Steel, Add	2.93	
05 12 23 00-0652	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	7.48	1.42
	For >100 To 250, Deduct	-0.14	
	For >250 To 500, Deduct	-0.33	
	For >500 To 1,000, Deduct	-0.56	
	For >1,000, Deduct	-0.80	
	For Galvanized Steel, Add	3.46	
05 12 23 00-0653	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	9.04	1.74
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.40	
	For >500 To 1,000, Deduct	-0.68	
	For >1,000, Deduct	-0.97	
	For Galvanized Steel, Add	4.17	
05 12 23 00-0654	LF 2" x 2" x 0.083" Square Steel Tubing	11.55	2.31
	For >100 To 250, Deduct	-0.23	
	For >250 To 500, Deduct	-0.52	
	For >500 To 1,000, Deduct	-0.89	
	For >1,000, Deduct	-1.25	
	For Galvanized Steel, Add	5.25	
05 12 23 00-0655	0.12" Wall Thickness (05 12 23 00-0642)		
05 12 23 00-0656	LF 1" x 1" x 0.12" Square Steel Tubing	6.82	1.33
	For >100 To 250, Deduct	-0.13	
	For >250 To 500, Deduct	-0.30	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.73	
	For Galvanized Steel, Add	3.12	
05 12 23 00-0657	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	8.78	1.72
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.39	
	For >500 To 1,000, Deduct	-0.67	
	For >1,000, Deduct	-0.94	
	For Galvanized Steel, Add	4.03	
05 12 23 00-0658	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	10.79	2.09
	For >100 To 250, Deduct	-0.21	
	For >250 To 500, Deduct	-0.48	
	For >500 To 1,000, Deduct	-0.82	
	For >1,000, Deduct	-1.16	
	For Galvanized Steel, Add	4.96	
05 12 23 00-0659	LF 2" x 2" x 0.12" Square Steel Tubing	14.59	2.85
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.65	
	For >500 To 1,000, Deduct	-1.11	
	For >1,000, Deduct	-1.57	
	For Galvanized Steel, Add	6.69	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0660	1/8" Wall Thickness	<small>(05 12 23 00-0642)</small>		
05 12 23 00-0661	LF	2" x 2" x 1/8" Square Steel Tubing.....	12.95	2.96
		<i>For >100 To 250, Deduct</i>	-0.30	
		<i>For >250 To 500, Deduct</i>	-0.62	
		<i>For >500 To 1,000, Deduct</i>	-1.04	
		<i>For >1,000, Deduct</i>	-1.47	
		<i>For Galvanized Steel, Add</i>	5.58	
05 12 23 00-0662	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	17.15	3.75
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500 To 1,000, Deduct</i>	-1.36	
		<i>For >1,000, Deduct</i>	-1.91	
		<i>For Galvanized Steel, Add</i>	7.53	
05 12 23 00-0663	LF	3" x 3" x 1/8" Square Steel Tubing.....	20.02	4.53
		<i>For >100 To 250, Deduct</i>	-0.45	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500 To 1,000, Deduct</i>	-1.61	
		<i>For >1,000, Deduct</i>	-2.26	
		<i>For Galvanized Steel, Add</i>	8.66	
05 12 23 00-0664	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	23.17	5.32
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-1.11	
		<i>For >500 To 1,000, Deduct</i>	-1.87	
		<i>For >1,000, Deduct</i>	-2.63	
		<i>For Galvanized Steel, Add</i>	9.96	
05 12 23 00-0665	LF	4" x 4" x 1/8" Square Steel Tubing.....	25.40	6.11
		<i>For >100 To 250, Deduct</i>	-0.61	
		<i>For >250 To 500, Deduct</i>	-1.25	
		<i>For >500 To 1,000, Deduct</i>	-2.09	
		<i>For >1,000, Deduct</i>	-2.92	
		<i>For Galvanized Steel, Add</i>	10.70	

05 12 23 00-0666	3/16" Wall Thickness	<small>(05 12 23 00-0642)</small>		
05 12 23 00-0667	LF	2" x 2" x 3/16" Square Steel Tubing.....	14.69	3.34
		<i>For >100 To 250, Deduct</i>	-0.33	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500 To 1,000, Deduct</i>	-1.18	
		<i>For >1,000, Deduct</i>	-1.66	
		<i>For Galvanized Steel, Add</i>	6.35	
05 12 23 00-0668	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	19.01	4.32
		<i>For >100 To 250, Deduct</i>	-0.43	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500 To 1,000, Deduct</i>	-1.53	
		<i>For >1,000, Deduct</i>	-2.15	
		<i>For Galvanized Steel, Add</i>	8.22	
05 12 23 00-0669	LF	3" x 3" x 3/16" Square Steel Tubing.....	23.36	5.31
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-1.12	
		<i>For >500 To 1,000, Deduct</i>	-1.88	
		<i>For >1,000, Deduct</i>	-2.64	
		<i>For Galvanized Steel, Add</i>	10.09	
05 12 23 00-0670	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	27.71	6.30
		<i>For >100 To 250, Deduct</i>	-0.63	
		<i>For >250 To 500, Deduct</i>	-1.32	
		<i>For >500 To 1,000, Deduct</i>	-2.22	
		<i>For >1,000, Deduct</i>	-3.13	
		<i>For Galvanized Steel, Add</i>	11.98	
05 12 23 00-0671	LF	4" x 4" x 3/16" Square Steel Tubing.....	32.02	7.28
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500 To 1,000, Deduct</i>	-2.57	
		<i>For >1,000, Deduct</i>	-3.61	
		<i>For Galvanized Steel, Add</i>	13.84	
05 12 23 00-0672	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	36.39	8.27
		<i>For >100 To 250, Deduct</i>	-0.83	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500 To 1,000, Deduct</i>	-2.92	
		<i>For >1,000, Deduct</i>	-4.11	
		<i>For Galvanized Steel, Add</i>	15.72	
05 12 23 00-0673	LF	5" x 5" x 3/16" Square Steel Tubing.....	40.70	9.25
		<i>For >100 To 250, Deduct</i>	-0.92	
		<i>For >250 To 500, Deduct</i>	-1.94	
		<i>For >500 To 1,000, Deduct</i>	-3.27	
		<i>For >1,000, Deduct</i>	-4.59	
		<i>For Galvanized Steel, Add</i>	17.59	
05 12 23 00-0674	LF	6" x 6" x 3/16" Square Steel Tubing.....	49.41	11.23
		<i>For >100 To 250, Deduct</i>	-1.12	
		<i>For >250 To 500, Deduct</i>	-2.36	
		<i>For >500 To 1,000, Deduct</i>	-3.97	
		<i>For >1,000, Deduct</i>	-5.58	
		<i>For Galvanized Steel, Add</i>	21.35	

05 12 23 00-0675	1/4" Wall Thickness	<small>(05 12 23 00-0642)</small>		
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05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0676	LF 2" x 2" x 1/4" Square Steel Tubing.....	15.78	3.34
	For >100 To 250, Deduct	-0.33	
	For >250 To 500, Deduct	-0.73	
	For >500 To 1,000, Deduct	-1.24	
	For >1,000, Deduct	-1.74	
	For Galvanized Steel, Add	7.02	
05 12 23 00-0677	LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	20.73	4.39
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.96	
	For >500 To 1,000, Deduct	-1.62	
	For >1,000, Deduct	-2.29	
	For Galvanized Steel, Add	9.22	
05 12 23 00-0678	LF 3" x 3" x 1/4" Square Steel Tubing.....	25.69	5.44
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-1.19	
	For >500 To 1,000, Deduct	-2.01	
	For >1,000, Deduct	-2.83	
	For Galvanized Steel, Add	11.43	
05 12 23 00-0679	LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	30.64	6.49
	For >100 To 250, Deduct	-0.65	
	For >250 To 500, Deduct	-1.42	
	For >500 To 1,000, Deduct	-2.40	
	For >1,000, Deduct	-3.38	
	For Galvanized Steel, Add	13.63	
05 12 23 00-0680	LF 4" x 4" x 1/4" Square Steel Tubing.....	35.61	7.54
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.65	
	For >500 To 1,000, Deduct	-2.79	
	For >1,000, Deduct	-3.93	
	For Galvanized Steel, Add	15.83	
05 12 23 00-0681	LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	40.56	8.59
	For >100 To 250, Deduct	-0.86	
	For >250 To 500, Deduct	-1.87	
	For >500 To 1,000, Deduct	-3.17	
	For >1,000, Deduct	-4.47	
	For Galvanized Steel, Add	18.04	
05 12 23 00-0682	LF 5" x 5" x 1/4" Square Steel Tubing.....	45.55	9.65
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-2.10	
	For >500 To 1,000, Deduct	-3.57	
	For >1,000, Deduct	-5.03	
	For Galvanized Steel, Add	20.26	
05 12 23 00-0683	LF 6" x 6" x 1/4" Square Steel Tubing.....	55.45	11.75
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-2.56	
	For >500 To 1,000, Deduct	-4.34	
	For >1,000, Deduct	-6.12	
	For Galvanized Steel, Add	24.66	

05 12 23 00-0684 Rectangular Steel Tubing (05 12 23 00-0641)

05 12 23 00-0685 3/16" Wall Thickness (05 12 23 00-0684)

05 12 23 00-0686	LF 3" x 2" x 3/16" Square Steel Tubing.....	19.01	4.32
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.91	
	For >500 To 1,000, Deduct	-1.53	
	For >1,000, Deduct	-2.15	
	For Galvanized Steel, Add	8.22	
05 12 23 00-0687	LF 4" x 2" x 3/16" Square Steel Tubing.....	23.36	5.31
	For >100 To 250, Deduct	-0.53	
	For >250 To 500, Deduct	-1.12	
	For >500 To 1,000, Deduct	-1.88	
	For >1,000, Deduct	-2.64	
	For Galvanized Steel, Add	10.09	
05 12 23 00-0688	LF 4" x 3" x 3/16" Square Steel Tubing.....	27.71	6.30
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-1.32	
	For >500 To 1,000, Deduct	-2.22	
	For >1,000, Deduct	-3.13	
	For Galvanized Steel, Add	11.98	
05 12 23 00-0689	LF 5" x 2" x 3/16" Square Steel Tubing.....	27.71	6.30
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-1.32	
	For >500 To 1,000, Deduct	-2.22	
	For >1,000, Deduct	-3.13	
	For Galvanized Steel, Add	11.98	
05 12 23 00-0690	LF 5" x 3" x 3/16" Square Steel Tubing.....	32.02	7.28
	For >100 To 250, Deduct	-0.73	
	For >250 To 500, Deduct	-1.53	
	For >500 To 1,000, Deduct	-2.57	
	For >1,000, Deduct	-3.61	
	For Galvanized Steel, Add	13.84	
05 12 23 00-0691	LF 5" x 4" x 3/16" Square Steel Tubing.....	36.39	8.27
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.74	
	For >500 To 1,000, Deduct	-2.92	
	For >1,000, Deduct	-4.11	
	For Galvanized Steel, Add	15.72	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0692	LF	6" x 2" x 3/16" Square Steel Tubing.....	32.02	7.28
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-1.53	
		<i>For >500 To 1,000, Deduct</i>	-2.57	
		<i>For >1,000, Deduct</i>	-3.61	
		<i>For Galvanized Steel, Add</i>	13.84	
05 12 23 00-0693	LF	6" x 3" x 3/16" Square Steel Tubing.....	36.39	8.27
		<i>For >100 To 250, Deduct</i>	-0.83	
		<i>For >250 To 500, Deduct</i>	-1.74	
		<i>For >500 To 1,000, Deduct</i>	-2.92	
		<i>For >1,000, Deduct</i>	-4.11	
		<i>For Galvanized Steel, Add</i>	15.72	
05 12 23 00-0694	LF	6" x 4" x 3/16" Square Steel Tubing.....	40.70	9.25
		<i>For >100 To 250, Deduct</i>	-0.92	
		<i>For >250 To 500, Deduct</i>	-1.94	
		<i>For >500 To 1,000, Deduct</i>	-3.27	
		<i>For >1,000, Deduct</i>	-4.59	
		<i>For Galvanized Steel, Add</i>	17.59	

05 12 23 00-0695 1/4" Wall Thickness (05 12 23 00-0684)

05 12 23 00-0696	LF	3" x 2" x 1/4" Square Steel Tubing.....	20.73	4.39
		<i>For >100 To 250, Deduct</i>	-0.44	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500 To 1,000, Deduct</i>	-1.62	
		<i>For >1,000, Deduct</i>	-2.29	
		<i>For Galvanized Steel, Add</i>	9.22	
05 12 23 00-0697	LF	4" x 2" x 1/4" Square Steel Tubing.....	25.69	5.44
		<i>For >100 To 250, Deduct</i>	-0.54	
		<i>For >250 To 500, Deduct</i>	-1.19	
		<i>For >500 To 1,000, Deduct</i>	-2.01	
		<i>For >1,000, Deduct</i>	-2.83	
		<i>For Galvanized Steel, Add</i>	11.43	
05 12 23 00-0698	LF	4" x 3" x 1/4" Square Steel Tubing.....	30.64	6.49
		<i>For >100 To 250, Deduct</i>	-0.65	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.40	
		<i>For >1,000, Deduct</i>	-3.38	
		<i>For Galvanized Steel, Add</i>	13.63	
05 12 23 00-0699	LF	5" x 2" x 1/4" Square Steel Tubing.....	30.64	6.49
		<i>For >100 To 250, Deduct</i>	-0.65	
		<i>For >250 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.40	
		<i>For >1,000, Deduct</i>	-3.38	
		<i>For Galvanized Steel, Add</i>	13.63	
05 12 23 00-0700	LF	5" x 3" x 1/4" Square Steel Tubing.....	35.61	7.54
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500 To 1,000, Deduct</i>	-2.79	
		<i>For >1,000, Deduct</i>	-3.93	
		<i>For Galvanized Steel, Add</i>	15.83	
05 12 23 00-0701	LF	5" x 4" x 1/4" Square Steel Tubing.....	40.56	8.59
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.87	
		<i>For >500 To 1,000, Deduct</i>	-3.17	
		<i>For >1,000, Deduct</i>	-4.47	
		<i>For Galvanized Steel, Add</i>	18.04	
05 12 23 00-0702	LF	6" x 2" x 1/4" Square Steel Tubing.....	35.61	7.54
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-1.65	
		<i>For >500 To 1,000, Deduct</i>	-2.79	
		<i>For >1,000, Deduct</i>	-3.93	
		<i>For Galvanized Steel, Add</i>	15.83	
05 12 23 00-0703	LF	6" x 3" x 1/4" Square Steel Tubing.....	40.56	8.59
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.87	
		<i>For >500 To 1,000, Deduct</i>	-3.17	
		<i>For >1,000, Deduct</i>	-4.47	
		<i>For Galvanized Steel, Add</i>	18.04	
05 12 23 00-0704	LF	6" x 4" x 1/4" Square Steel Tubing.....	45.55	9.65
		<i>For >100 To 250, Deduct</i>	-0.97	
		<i>For >250 To 500, Deduct</i>	-2.10	
		<i>For >500 To 1,000, Deduct</i>	-3.57	
		<i>For >1,000, Deduct</i>	-5.03	
		<i>For Galvanized Steel, Add</i>	20.26	

05 12 23 00-0705 Round Steel Tubing (05 12 23 00-0641)

05 12 23 00-0706 0.065" Wall Thickness (05 12 23 00-0705)

05 12 23 00-0707	LF	1" Diameter x 0.065" Round Steel Tubing	4.25	0.80
		<i>For >100 To 250, Deduct</i>	-0.08	
		<i>For >250 To 500, Deduct</i>	-0.19	
		<i>For >500 To 1,000, Deduct</i>	-0.32	
		<i>For >1,000, Deduct</i>	-0.45	
		<i>For Galvanized Steel, Add</i>	1.97	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0708	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.38	1.02
		<i>For >100 To 250, Deduct</i>	-0.10	
		<i>For >250 To 500, Deduct</i>	-0.24	
		<i>For >500 To 1,000, Deduct</i>	-0.40	
		<i>For >1,000, Deduct</i>	-0.57	
		<i>For Galvanized Steel, Add</i>	2.50	
05 12 23 00-0709	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	6.53	1.23
		<i>For >100 To 250, Deduct</i>	-0.12	
		<i>For >250 To 500, Deduct</i>	-0.29	
		<i>For >500 To 1,000, Deduct</i>	-0.49	
		<i>For >1,000, Deduct</i>	-0.70	
		<i>For Galvanized Steel, Add</i>	3.03	
05 12 23 00-0710	LF	2" Diameter x 0.065" Round Steel Tubing	8.79	1.66
		<i>For >100 To 250, Deduct</i>	-0.17	
		<i>For >250 To 500, Deduct</i>	-0.39	
		<i>For >500 To 1,000, Deduct</i>	-0.66	
		<i>For >1,000, Deduct</i>	-0.94	
		<i>For Galvanized Steel, Add</i>	4.08	
05 12 23 00-0711	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	11.07	2.09
		<i>For >100 To 250, Deduct</i>	-0.21	
		<i>For >250 To 500, Deduct</i>	-0.49	
		<i>For >500 To 1,000, Deduct</i>	-0.83	
		<i>For >1,000, Deduct</i>	-1.18	
		<i>For Galvanized Steel, Add</i>	5.13	
05 12 23 00-0712	LF	3" Diameter x 0.065" Round Steel Tubing	13.33	2.51
		<i>For >100 To 250, Deduct</i>	-0.25	
		<i>For >250 To 500, Deduct</i>	-0.58	
		<i>For >500 To 1,000, Deduct</i>	-1.00	
		<i>For >1,000, Deduct</i>	-1.42	
		<i>For Galvanized Steel, Add</i>	6.19	
05 12 23 00-0713	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	15.62	2.95
		<i>For >100 To 250, Deduct</i>	-0.29	
		<i>For >250 To 500, Deduct</i>	-0.69	
		<i>For >500 To 1,000, Deduct</i>	-1.17	
		<i>For >1,000, Deduct</i>	-1.66	
		<i>For Galvanized Steel, Add</i>	7.25	
05 12 23 00-0714	LF	4" Diameter x 0.065" Round Steel Tubing	17.89	3.37
		<i>For >100 To 250, Deduct</i>	-0.34	
		<i>For >250 To 500, Deduct</i>	-0.78	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000, Deduct</i>	-1.90	
		<i>For Galvanized Steel, Add</i>	8.30	

05 12 23 00-0715 0.083" Wall Thickness (05 12 23 00-0705)

05 12 23 00-0716	LF	1" Diameter x 0.083" Round Steel Tubing	4.61	0.88
		<i>For >100 To 250, Deduct</i>	-0.09	
		<i>For >250 To 500, Deduct</i>	-0.20	
		<i>For >500 To 1,000, Deduct</i>	-0.35	
		<i>For >1,000, Deduct</i>	-0.49	
		<i>For Galvanized Steel, Add</i>	2.13	
05 12 23 00-0717	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	5.87	1.12
		<i>For >100 To 250, Deduct</i>	-0.11	
		<i>For >250 To 500, Deduct</i>	-0.26	
		<i>For >500 To 1,000, Deduct</i>	-0.44	
		<i>For >1,000, Deduct</i>	-0.63	
		<i>For Galvanized Steel, Add</i>	2.72	
05 12 23 00-0718	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	7.13	1.36
		<i>For >100 To 250, Deduct</i>	-0.14	
		<i>For >250 To 500, Deduct</i>	-0.31	
		<i>For >500 To 1,000, Deduct</i>	-0.54	
		<i>For >1,000, Deduct</i>	-0.76	
		<i>For Galvanized Steel, Add</i>	3.30	
05 12 23 00-0719	LF	2" Diameter x 0.083" Round Steel Tubing	9.64	1.84
		<i>For >100 To 250, Deduct</i>	-0.18	
		<i>For >250 To 500, Deduct</i>	-0.42	
		<i>For >500 To 1,000, Deduct</i>	-0.73	
		<i>For >1,000, Deduct</i>	-1.03	
		<i>For Galvanized Steel, Add</i>	4.46	
05 12 23 00-0720	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	12.16	2.32
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500 To 1,000, Deduct</i>	-0.92	
		<i>For >1,000, Deduct</i>	-1.30	
		<i>For Galvanized Steel, Add</i>	5.62	
05 12 23 00-0721	LF	3" Diameter x 0.083" Round Steel Tubing	14.67	2.80
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500 To 1,000, Deduct</i>	-1.11	
		<i>For >1,000, Deduct</i>	-1.57	
		<i>For Galvanized Steel, Add</i>	6.78	
05 12 23 00-0722	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	17.19	3.27
		<i>For >100 To 250, Deduct</i>	-0.33	
		<i>For >250 To 500, Deduct</i>	-0.76	
		<i>For >500 To 1,000, Deduct</i>	-1.30	
		<i>For >1,000, Deduct</i>	-1.84	
		<i>For Galvanized Steel, Add</i>	7.95	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0723	LF			4" Diameter x 0.083" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	19.71 -0.38 -0.87 -1.49 -2.10 9.11	3.76
05 12 23 00-0724				0.125" Wall Thickness (05 12 23 00-0705)		
05 12 23 00-0725	LF			2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	10.15 -0.23 -0.49 -0.82 -1.15 4.38	2.32
05 12 23 00-0726	LF			2-1/2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	12.86 -0.29 -0.62 -1.04 -1.45 5.54	2.94
05 12 23 00-0727	LF			3" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	15.57 -0.36 -0.75 -1.25 -1.76 6.71	3.55
05 12 23 00-0728	LF			3-1/2" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	18.27 -0.42 -0.87 -1.47 -2.07 7.87	4.18
05 12 23 00-0729	LF			4" Diameter x 0.125" Round Steel Tubing <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Galvanized Steel, Add</i>	20.98 -0.48 -1.00 -1.69 -2.37 9.05	4.80
05 12 23 00-0730				Flat Steel Bar (05 12 23 00-0392)		
05 12 23 00-0731				1/8" Thick (05 12 23 00-0730)		
05 12 23 00-0732	LF			1/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	2.70 0.60	1.15
05 12 23 00-0733	LF			1/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.22 1.00	1.73
05 12 23 00-0734	LF			1/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.60 1.82	2.44
05 12 23 00-0735	LF			1/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	8.94 2.46	3.31
05 12 23 00-0736				3/16" Thick (05 12 23 00-0730)		
05 12 23 00-0737	LF			3/16" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.63 0.92	1.43
05 12 23 00-0738	LF			3/16" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	5.79 1.59	2.15
05 12 23 00-0739	LF			3/16" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	8.02 2.67	2.47
05 12 23 00-0740	LF			3/16" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.10 3.70	3.43
05 12 23 00-0741				1/4" Thick (05 12 23 00-0730)		
05 12 23 00-0742	LF			1/4" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	3.73 0.91	1.51
05 12 23 00-0743	LF			1/4" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	6.37 1.84	2.27
05 12 23 00-0744	LF			1/4" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	9.63 3.55	2.60
05 12 23 00-0745	LF			1/4" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	13.89 5.03	3.84
05 12 23 00-0746				3/8" Thick (05 12 23 00-0730)		
05 12 23 00-0747	LF			3/8" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	4.86 1.43	1.71
05 12 23 00-0748	LF			3/8" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	8.08 2.63	2.55
05 12 23 00-0749	LF			3/8" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	12.85 5.25	2.92
05 12 23 00-0750	LF			3/8" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	18.41 7.39	4.32
05 12 23 00-0751				1/2" Thick (05 12 23 00-0730)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0752	LF	1/2" Thick x 1" Wide Flat Steel Bar	5.76	1.87
		<i>For Galvanized Steel, Add</i>	1.82	
05 12 23 00-0753	LF	1/2" Thick x 2" Wide Flat Steel Bar	9.64	2.82
		<i>For Galvanized Steel, Add</i>	3.35	
05 12 23 00-0754	LF	1/2" Thick x 4" Wide Flat Steel Bar	14.03	3.20
		<i>For Galvanized Steel, Add</i>	5.71	
05 12 23 00-0755	LF	1/2" Thick x 6" Wide Flat Steel Bar	25.52	4.76
		<i>For Galvanized Steel, Add</i>	11.40	
05 12 23 00-0756		Flat Steel Plate <small>(05 12 23 00-0392)</small>		
05 12 23 00-0757	SF	1/8" Thick Flat Steel Plate	14.39	4.97
		<i>For 304 Stainless Steel, Add</i>	19.75	
		<i>For 316 Stainless Steel, Add</i>	22.18	
		<i>For Aluminum, Add</i>	1.25	
		<i>For Galvanized Steel, Add</i>	4.30	
05 12 23 00-0758	SF	3/16" Thick Flat Steel Plate	16.40	5.14
		<i>For 304 Stainless Steel, Add</i>	24.71	
		<i>For 316 Stainless Steel, Add</i>	27.74	
		<i>For Aluminum, Add</i>	1.56	
		<i>For Galvanized Steel, Add</i>	5.38	
05 12 23 00-0759	SF	1/4" Thick Flat Steel Plate	19.71	5.76
		<i>For 304 Stainless Steel, Add</i>	31.52	
		<i>For 316 Stainless Steel, Add</i>	35.39	
		<i>For Aluminum, Add</i>	1.99	
		<i>For Galvanized Steel, Add</i>	6.86	
05 12 23 00-0760	SF	3/8" Thick Flat Steel Plate	27.09	6.48
		<i>For 304 Stainless Steel, Add</i>	49.48	
		<i>For 316 Stainless Steel, Add</i>	55.55	
		<i>For Aluminum, Add</i>	3.12	
		<i>For Galvanized Steel, Add</i>	10.76	
05 12 23 00-0761	SF	1/2" Thick Flat Steel Plate	32.33	7.13
		<i>For 304 Stainless Steel, Add</i>	61.65	
		<i>For 316 Stainless Steel, Add</i>	69.22	
		<i>For Aluminum, Add</i>	3.89	
		<i>For Galvanized Steel, Add</i>	13.41	
05 12 23 00-0762	SF	3/4" Thick Flat Steel Plate	53.94	8.84
		<i>For 304 Stainless Steel, Add</i>	115.60	
		<i>For 316 Stainless Steel, Add</i>	129.79	
		<i>For Aluminum, Add</i>	7.30	
		<i>For Galvanized Steel, Add</i>	25.15	
05 12 23 00-0763	SF	1" Thick Flat Steel Plate	72.27	11.04
		<i>For 304 Stainless Steel, Add</i>	158.29	
		<i>For 316 Stainless Steel, Add</i>	177.73	
		<i>For Aluminum, Add</i>	10.00	
		<i>For Galvanized Steel, Add</i>	34.43	

05 14 Structural Aluminum Framing (05 10)**05 14 13 Architecturally-Exposed Structural Aluminum Framing** (05 14)

05 14 13 00-0001		Rolled Or Plate Shapes <small>(05 14 13)</small>		
		Note: 1" through 10" member.		
05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	5.73	0.67
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	5.06	0.63
05 14 13 00-0004		Aluminum Extrusions <small>(05 14 13)</small>		
05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	9.88	2.78
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	10.40	2.78
05 14 13 00-0007		Aluminum Tubing <small>(05 14 13)</small>		
05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	10.86	2.80
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	11.85	4.53
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	13.76	4.95
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	15.90	5.77
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	18.19	6.18
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	42.50	7.83
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	35.42	7.01

05 20 Metal Joists (05)**05 21 Steel Joist Framing** (05 20)

05 21 19		Open Web Steel Joist Framing <small>(05 21)</small>		
05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,636.38	145.02
		<i>For Welded Cross Bridging, Add</i>	181.27	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	243.86	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,424.08	135.95
		<i>For Welded Cross Bridging, Add</i>	161.13	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	226.44	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	2,949.23	135.95
		<i>For Welded Cross Bridging, Add</i>	167.33	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	286.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0004	TON	DLJ Or DLH	Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,374.38 167.33 338.00	135.95
05 21 19 00-0005	TON	CS	Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	2,942.57 181.27 280.60	135.95
05 21 19 00-0006	TON	SLH	Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging <i>For Welded Cross Bridging, Add</i> <i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	3,746.39 167.33 382.64	135.95

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.09	
		<i>For Painted, Deduct</i>	-0.11	
		<i>For Perforated Or Slotted, Add</i>	0.11	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.84	
		<i>For Up To 100, Add</i>	1.15	
		<i>For >100 To 500, Add</i>	0.59	
		<i>For >500 To 1,500, Add</i>	0.23	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.53	
		<i>For Painted, Deduct</i>	-0.12	
		<i>For Perforated Or Slotted, Add</i>	0.12	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.96	
		<i>For Up To 100, Add</i>	1.33	
		<i>For >100 To 500, Add</i>	0.68	
		<i>For >500 To 1,500, Add</i>	0.27	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.41	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.20	
		<i>For Up To 100, Add</i>	1.62	
		<i>For >100 To 500, Add</i>	0.83	
		<i>For >500 To 1,500, Add</i>	0.33	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.41	
		<i>For Painted, Deduct</i>	-0.12	
		<i>For Perforated Or Slotted, Add</i>	0.12	
		<i>For Site Installed Insulation Between Ribs, Add</i>	0.93	
		<i>For Up To 100, Add</i>	1.29	
		<i>For >100 To 500, Add</i>	0.66	
		<i>For >500 To 1,500, Add</i>	0.26	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.92	
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.07	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.75	
		<i>For >500 To 1,500, Add</i>	0.30	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.89	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.33	
		<i>For Up To 100, Add</i>	1.80	
		<i>For >100 To 500, Add</i>	0.93	
		<i>For >500 To 1,500, Add</i>	0.37	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.82	
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.04	
		<i>For Up To 100, Add</i>	1.37	
		<i>For >100 To 500, Add</i>	0.71	
		<i>For >500 To 1,500, Add</i>	0.28	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.42	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.20	
		<i>For Up To 100, Add</i>	1.57	
		<i>For >100 To 500, Add</i>	0.82	
		<i>For >500 To 1,500, Add</i>	0.31	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.52	
		<i>For Painted, Deduct</i>	-0.20	
		<i>For Perforated Or Slotted, Add</i>	0.20	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.49	
		<i>For Up To 100, Add</i>	1.95	
		<i>For >100 To 500, Add</i>	1.02	
		<i>For >500 To 1,500, Add</i>	0.39	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	6.68	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Site Installed Insulation Between Ribs, Add</i>	1.78	
		<i>For Up To 100, Add</i>	2.06	
		<i>For >100 To 500, Add</i>	1.13	
		<i>For >500 To 1,500, Add</i>	0.39	

05 Metals

05 30 Metal Decking

05 31 Steel Decking

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.24	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.15	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.77	
			<i>For >500 To 1,500, Add</i>	0.29	
05 31	13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.92	
			<i>For Painted, Deduct</i>	-0.18	
			<i>For Perforated Or Slotted, Add</i>	0.18	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.33	
			<i>For Up To 100, Add</i>	1.67	
			<i>For >100 To 500, Add</i>	0.89	
			<i>For >500 To 1,500, Add</i>	0.33	
05 31	13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.13	
			<i>For Painted, Deduct</i>	-0.23	
			<i>For Perforated Or Slotted, Add</i>	0.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.65	
			<i>For Up To 100, Add</i>	2.07	
			<i>For >100 To 500, Add</i>	1.10	
			<i>For >500 To 1,500, Add</i>	0.41	
05 31	13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.69	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.07	
			<i>For Up To 100, Add</i>	2.54	
			<i>For >100 To 500, Add</i>	1.36	
			<i>For >500 To 1,500, Add</i>	0.49	
05 31	13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	10.87	
			<i>For Painted, Deduct</i>	-0.45	
			<i>For Perforated Or Slotted, Add</i>	0.45	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.85	
			<i>For Up To 100, Add</i>	2.69	
			<i>For >100 To 500, Add</i>	1.62	
			<i>For >500 To 1,500, Add</i>	0.45	
05 31	13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	13.72	
			<i>For Painted, Deduct</i>	-0.58	
			<i>For Perforated Or Slotted, Add</i>	0.58	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.59	
			<i>For Up To 100, Add</i>	3.33	
			<i>For >100 To 500, Add</i>	2.02	
			<i>For >500 To 1,500, Add</i>	0.54	
05 31	13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	12.26	
			<i>For Painted, Deduct</i>	-0.53	
			<i>For Perforated Or Slotted, Add</i>	0.53	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.18	
			<i>For Up To 100, Add</i>	2.66	
			<i>For >100 To 500, Add</i>	1.70	
			<i>For >500 To 1,500, Add</i>	0.40	
05 31	13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	13.00	
			<i>For Painted, Deduct</i>	-0.55	
			<i>For Perforated Or Slotted, Add</i>	0.55	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.40	
			<i>For Up To 100, Add</i>	3.07	
			<i>For >100 To 500, Add</i>	1.89	
			<i>For >500 To 1,500, Add</i>	0.49	
05 31	13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	16.20	
			<i>For Painted, Deduct</i>	-0.69	
			<i>For Perforated Or Slotted, Add</i>	0.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.23	
			<i>For Up To 100, Add</i>	3.77	
			<i>For >100 To 500, Add</i>	2.34	
			<i>For >500 To 1,500, Add</i>	0.60	
05 31	13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.37	
			<i>For Painted, Deduct</i>	-0.61	
			<i>For Perforated Or Slotted, Add</i>	0.61	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.75	
			<i>For Up To 100, Add</i>	3.39	
			<i>For >100 To 500, Add</i>	2.09	
			<i>For >500 To 1,500, Add</i>	0.54	
05 31	13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	17.86	
			<i>For Painted, Deduct</i>	-0.76	
			<i>For Perforated Or Slotted, Add</i>	0.76	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.66	
			<i>For Up To 100, Add</i>	4.14	
			<i>For >100 To 500, Add</i>	2.57	
			<i>For >500 To 1,500, Add</i>	0.66	
05 31	13 00-0023		Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31	13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	9.59	
			<i>For Painted, Deduct</i>	-0.40	
			<i>For Perforated Or Slotted, Add</i>	0.40	
			<i>For Insulated Cells, Add</i>	1.78	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.52	
			<i>For Up To 100, Add</i>	2.45	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >500 To 1,500, Add</i>	0.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 31 13 00-0025	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.60	
			<i>For Painted, Deduct</i>	-0.42	
			<i>For Perforated Or Slotted, Add</i>	0.42	
			<i>For Insulated Cells, Add</i>	1.89	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.81	
			<i>For Up To 100, Add</i>	3.04	
			<i>For >100 To 500, Add</i>	1.72	
			<i>For >500 To 1,500, Add</i>	0.55	
05 31 13 00-0026	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	11.64	
			<i>For Painted, Deduct</i>	-0.50	
			<i>For Perforated Or Slotted, Add</i>	0.50	
			<i>For Insulated Cells, Add</i>	2.23	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.04	
			<i>For Up To 100, Add</i>	2.73	
			<i>For >100 To 500, Add</i>	1.69	
			<i>For >500 To 1,500, Add</i>	0.44	
05 31 13 00-0027	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	12.79	
			<i>For Painted, Deduct</i>	-0.52	
			<i>For Perforated Or Slotted, Add</i>	0.52	
			<i>For Insulated Cells, Add</i>	2.36	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.37	
			<i>For Up To 100, Add</i>	3.37	
			<i>For >100 To 500, Add</i>	1.98	
			<i>For >500 To 1,500, Add</i>	0.58	
05 31 13 00-0028	SF		3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	13.42	
			<i>For Painted, Deduct</i>	-0.56	
			<i>For Perforated Or Slotted, Add</i>	0.56	
			<i>For Insulated Cells, Add</i>	2.54	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.51	
			<i>For Up To 100, Add</i>	3.26	
			<i>For >100 To 500, Add</i>	1.98	
			<i>For >500 To 1,500, Add</i>	0.53	
05 31 13 00-0029	SF		3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	15.95	
			<i>For Painted, Deduct</i>	-0.68	
			<i>For Perforated Or Slotted, Add</i>	0.68	
			<i>For Insulated Cells, Add</i>	3.04	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.17	
			<i>For Up To 100, Add</i>	3.78	
			<i>For >100 To 500, Add</i>	2.32	
			<i>For >500 To 1,500, Add</i>	0.61	
05 31 13 00-0030	SF		3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	17.85	
			<i>For Painted, Deduct</i>	-0.76	
			<i>For Perforated Or Slotted, Add</i>	0.76	
			<i>For Insulated Cells, Add</i>	3.43	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.66	
			<i>For Up To 100, Add</i>	4.14	
			<i>For >100 To 500, Add</i>	2.57	
			<i>For >500 To 1,500, Add</i>	0.66	
05 31 13 00-0031	SF		3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	19.44	
			<i>For Painted, Deduct</i>	-0.82	
			<i>For Perforated Or Slotted, Add</i>	0.82	
			<i>For Insulated Cells, Add</i>	3.71	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.08	
			<i>For Up To 100, Add</i>	4.62	
			<i>For >100 To 500, Add</i>	2.84	
			<i>For >500 To 1,500, Add</i>	0.74	
05 31 13 00-0032	SF		4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	20.22	
			<i>For Painted, Deduct</i>	-0.91	
			<i>For Perforated Or Slotted, Add</i>	0.91	
			<i>For Insulated Cells, Add</i>	4.08	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.21	
			<i>For Up To 100, Add</i>	3.89	
			<i>For >100 To 500, Add</i>	2.65	
			<i>For >500 To 1,500, Add</i>	0.52	
05 31 13 00-0033	SF		4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	21.64	
			<i>For Painted, Deduct</i>	-0.96	
			<i>For Perforated Or Slotted, Add</i>	0.96	
			<i>For Insulated Cells, Add</i>	4.31	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.59	
			<i>For Up To 100, Add</i>	4.39	
			<i>For >100 To 500, Add</i>	2.91	
			<i>For >500 To 1,500, Add</i>	0.62	
05 31 13 00-0034	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	22.89	
			<i>For Painted, Deduct</i>	-1.01	
			<i>For Perforated Or Slotted, Add</i>	1.01	
			<i>For Insulated Cells, Add</i>	4.55	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.92	
			<i>For Up To 100, Add</i>	4.68	
			<i>For >100 To 500, Add</i>	3.09	
			<i>For >500 To 1,500, Add</i>	0.67	
05 31 13 00-0035	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	24.43	
			<i>For Painted, Deduct</i>	-1.08	
			<i>For Perforated Or Slotted, Add</i>	1.08	
			<i>For Insulated Cells, Add</i>	4.85	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.32	
			<i>For Up To 100, Add</i>	5.02	
			<i>For >100 To 500, Add</i>	3.30	
			<i>For >500 To 1,500, Add</i>	0.72	

05 31 23 Steel Roof Decking (05 31)

05 Metals
05 30 Metal Decking
05 31 Steel Decking

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 31 33 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.33	
	For Painted, Deduct	-0.08	
	For Perforated Or Slotted, Add	0.08	
	For Up To 100, Add	0.85	
	For >100 To 500, Add	0.44	
	For >500 To 1,500, Add	0.17	
05 31 33 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.48	
	For Painted, Deduct	-0.09	
	For Perforated Or Slotted, Add	0.09	
	For Up To 100, Add	0.91	
	For >100 To 500, Add	0.47	
	For >500 To 1,500, Add	0.18	
05 31 33 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.74	
	For Painted, Deduct	-0.09	
	For Perforated Or Slotted, Add	0.09	
	For Up To 100, Add	1.04	
	For >100 To 500, Add	0.53	
	For >500 To 1,500, Add	0.21	
05 31 33 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.96	
	For Painted, Deduct	-0.10	
	For Perforated Or Slotted, Add	0.10	
	For Up To 100, Add	1.17	
	For >100 To 500, Add	0.59	
	For >500 To 1,500, Add	0.24	
05 31 33 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.82	
	For Painted, Deduct	-0.10	
	For Perforated Or Slotted, Add	0.10	
	For Up To 100, Add	0.94	
	For >100 To 500, Add	0.50	
	For >500 To 1,500, Add	0.18	
05 31 33 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.96	
	For Painted, Deduct	-0.11	
	For Perforated Or Slotted, Add	0.11	
	For Up To 100, Add	0.99	
	For >100 To 500, Add	0.53	
	For >500 To 1,500, Add	0.19	
05 31 33 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.12	
	For Painted, Deduct	-0.11	
	For Perforated Or Slotted, Add	0.11	
	For Up To 100, Add	1.08	
	For >100 To 500, Add	0.57	
	For >500 To 1,500, Add	0.21	
05 31 33 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.32	
	For Painted, Deduct	-0.12	
	For Perforated Or Slotted, Add	0.12	
	For Up To 100, Add	1.21	
	For >100 To 500, Add	0.62	
	For >500 To 1,500, Add	0.24	
05 31 33 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.51	
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Up To 100, Add	1.26	
	For >100 To 500, Add	0.65	
	For >500 To 1,500, Add	0.25	
05 31 33 00-0011	SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.83	
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Up To 100, Add	1.33	
	For >100 To 500, Add	0.70	
	For >500 To 1,500, Add	0.26	
05 31 33 00-0012	SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.40	
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Up To 100, Add	1.45	
	For >100 To 500, Add	0.78	
	For >500 To 1,500, Add	0.28	
05 31 33 00-0013	SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.86	
	For Painted, Deduct	-0.18	
	For Perforated Or Slotted, Add	0.18	
	For Up To 100, Add	1.63	
	For >100 To 500, Add	0.87	
	For >500 To 1,500, Add	0.32	

05 36 Composite Metal Decking (05 36)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.54	
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Up To 100, Add	1.26	
	For >100 To 500, Add	0.66	
	For >500 To 1,500, Add	0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.77	
		<i>For Painted, Deduct</i>	-0.13	
		<i>For Perforated Or Slotted, Add</i>	0.13	
		<i>For Up To 100, Add</i>	1.39	
		<i>For >100 To 500, Add</i>	0.71	
		<i>For >500 To 1,500, Add</i>	0.28	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.20	
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Up To 100, Add</i>	1.67	
		<i>For >100 To 500, Add</i>	0.84	
		<i>For >500 To 1,500, Add</i>	0.35	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.56	
		<i>For Painted, Deduct</i>	-0.15	
		<i>For Perforated Or Slotted, Add</i>	0.15	
		<i>For Up To 100, Add</i>	1.95	
		<i>For >100 To 500, Add</i>	0.95	
		<i>For >500 To 1,500, Add</i>	0.42	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.77	
		<i>For Painted, Deduct</i>	-0.13	
		<i>For Perforated Or Slotted, Add</i>	0.13	
		<i>For Up To 100, Add</i>	1.39	
		<i>For >100 To 500, Add</i>	0.71	
		<i>For >500 To 1,500, Add</i>	0.28	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.08	
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Up To 100, Add</i>	1.52	
		<i>For >100 To 500, Add</i>	0.78	
		<i>For >500 To 1,500, Add</i>	0.31	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.50	
		<i>For Painted, Deduct</i>	-0.15	
		<i>For Perforated Or Slotted, Add</i>	0.15	
		<i>For Up To 100, Add</i>	1.81	
		<i>For >100 To 500, Add</i>	0.90	
		<i>For >500 To 1,500, Add</i>	0.38	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.89	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Up To 100, Add</i>	2.09	
		<i>For >100 To 500, Add</i>	1.02	
		<i>For >500 To 1,500, Add</i>	0.45	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.97	
		<i>For Painted, Deduct</i>	-0.14	
		<i>For Perforated Or Slotted, Add</i>	0.14	
		<i>For Up To 100, Add</i>	1.44	
		<i>For >100 To 500, Add</i>	0.75	
		<i>For >500 To 1,500, Add</i>	0.29	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.24	
		<i>For Painted, Deduct</i>	-0.15	
		<i>For Perforated Or Slotted, Add</i>	0.15	
		<i>For Up To 100, Add</i>	1.60	
		<i>For >100 To 500, Add</i>	0.82	
		<i>For >500 To 1,500, Add</i>	0.33	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
		<i>For Painted, Deduct</i>	-0.16	
		<i>For Perforated Or Slotted, Add</i>	0.16	
		<i>For Up To 100, Add</i>	1.93	
		<i>For >100 To 500, Add</i>	0.96	
		<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.25	
		<i>For Painted, Deduct</i>	-0.17	
		<i>For Perforated Or Slotted, Add</i>	0.17	
		<i>For Up To 100, Add</i>	2.26	
		<i>For >100 To 500, Add</i>	1.10	
		<i>For >500 To 1,500, Add</i>	0.48	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	6.48	
		<i>For Painted, Deduct</i>	-0.23	
		<i>For Perforated Or Slotted, Add</i>	0.23	
		<i>For Insulated Cells, Add</i>	1.05	
		<i>For Up To 100, Add</i>	2.28	
		<i>For >100 To 500, Add</i>	1.19	
		<i>For >500 To 1,500, Add</i>	0.45	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.91	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.10	
		<i>For Up To 100, Add</i>	2.49	
		<i>For >100 To 500, Add</i>	1.29	
		<i>For >500 To 1,500, Add</i>	0.50	

05 Metals

05 30 Metal Decking

05 36 Composite Metal Decking

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 36 00 00-0017	SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	6.99	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.10	
	<i>For Up To 100, Add</i>	2.57	
	<i>For >100 To 500, Add</i>	1.32	
	<i>For >500 To 1,500, Add</i>	0.52	
05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.41	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.15	
	<i>For Up To 100, Add</i>	2.83	
	<i>For >100 To 500, Add</i>	1.44	
	<i>For >500 To 1,500, Add</i>	0.58	
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	7.94	
	<i>For Painted, Deduct</i>	-0.27	
	<i>For Perforated Or Slotted, Add</i>	0.27	
	<i>For Insulated Cells, Add</i>	1.22	
	<i>For Up To 100, Add</i>	3.05	
	<i>For >100 To 500, Add</i>	1.55	
	<i>For >500 To 1,500, Add</i>	0.63	
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.01	
	<i>For Painted, Deduct</i>	-0.27	
	<i>For Perforated Or Slotted, Add</i>	0.27	
	<i>For Insulated Cells, Add</i>	1.22	
	<i>For Up To 100, Add</i>	3.12	
	<i>For >100 To 500, Add</i>	1.58	
	<i>For >500 To 1,500, Add</i>	0.65	
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.43	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.26	
	<i>For Up To 100, Add</i>	3.38	
	<i>For >100 To 500, Add</i>	1.69	
	<i>For >500 To 1,500, Add</i>	0.71	
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	6.69	
	<i>For Painted, Deduct</i>	-0.24	
	<i>For Perforated Or Slotted, Add</i>	0.24	
	<i>For Insulated Cells, Add</i>	1.07	
	<i>For Up To 100, Add</i>	2.41	
	<i>For >100 To 500, Add</i>	1.25	
	<i>For >500 To 1,500, Add</i>	0.48	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.05	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.12	
	<i>For Up To 100, Add</i>	2.58	
	<i>For >100 To 500, Add</i>	1.33	
	<i>For >500 To 1,500, Add</i>	0.52	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.14	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.12	
	<i>For Up To 100, Add</i>	2.67	
	<i>For >100 To 500, Add</i>	1.37	
	<i>For >500 To 1,500, Add</i>	0.54	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.63	
	<i>For Painted, Deduct</i>	-0.26	
	<i>For Perforated Or Slotted, Add</i>	0.26	
	<i>For Insulated Cells, Add</i>	1.18	
	<i>For Up To 100, Add</i>	2.91	
	<i>For >100 To 500, Add</i>	1.48	
	<i>For >500 To 1,500, Add</i>	0.60	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.07	
	<i>For Painted, Deduct</i>	-0.27	
	<i>For Perforated Or Slotted, Add</i>	0.27	
	<i>For Insulated Cells, Add</i>	1.24	
	<i>For Up To 100, Add</i>	3.13	
	<i>For >100 To 500, Add</i>	1.58	
	<i>For >500 To 1,500, Add</i>	0.65	
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.20	
	<i>For Painted, Deduct</i>	-0.27	
	<i>For Perforated Or Slotted, Add</i>	0.27	
	<i>For Insulated Cells, Add</i>	1.24	
	<i>For Up To 100, Add</i>	3.26	
	<i>For >100 To 500, Add</i>	1.63	
	<i>For >500 To 1,500, Add</i>	0.68	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.63	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.29	
	<i>For Up To 100, Add</i>	3.47	
	<i>For >100 To 500, Add</i>	1.73	
	<i>For >500 To 1,500, Add</i>	0.73	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	6.72	
	<i>For Painted, Deduct</i>	-0.24	
	<i>For Perforated Or Slotted, Add</i>	0.24	
	<i>For Insulated Cells, Add</i>	1.08	
	<i>For Up To 100, Add</i>	2.41	
	<i>For >100 To 500, Add</i>	1.25	
	<i>For >500 To 1,500, Add</i>	0.48	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.10	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	2.63	
		<i>For >100 To 500, Add</i>	1.35	
		<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.21	
		<i>For Painted, Deduct</i>	-0.25	
		<i>For Perforated Or Slotted, Add</i>	0.25	
		<i>For Insulated Cells, Add</i>	1.12	
		<i>For Up To 100, Add</i>	2.74	
		<i>For >100 To 500, Add</i>	1.39	
		<i>For >500 To 1,500, Add</i>	0.56	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.71	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Insulated Cells, Add</i>	1.19	
		<i>For Up To 100, Add</i>	2.96	
		<i>For >100 To 500, Add</i>	1.50	
		<i>For >500 To 1,500, Add</i>	0.61	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.20	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	3.18	
		<i>For >100 To 500, Add</i>	1.61	
		<i>For >500 To 1,500, Add</i>	0.66	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.36	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	3.34	
		<i>For >100 To 500, Add</i>	1.67	
		<i>For >500 To 1,500, Add</i>	0.70	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.70	
		<i>For Painted, Deduct</i>	-0.29	
		<i>For Perforated Or Slotted, Add</i>	0.29	
		<i>For Insulated Cells, Add</i>	1.29	
		<i>For Up To 100, Add</i>	3.54	
		<i>For >100 To 500, Add</i>	1.76	
		<i>For >500 To 1,500, Add</i>	0.74	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.54	0.69
		<i>For Walls >10' High, Add</i>	0.91	
		<i>For Curved Wall, Add</i>	0.48	
		<i>For Up To 200, Add</i>	1.23	
		<i>For >200 To 500, Add</i>	0.61	
		<i>For 12" On Center, Add</i>	0.83	
		<i>For 24" On Center, Deduct</i>	-0.83	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.13	0.69
		<i>For Walls >10' High, Add</i>	1.03	
		<i>For Curved Wall, Add</i>	0.50	
		<i>For Up To 200, Add</i>	1.36	
		<i>For >200 To 500, Add</i>	0.68	
		<i>For 12" On Center, Add</i>	0.94	
		<i>For 24" On Center, Deduct</i>	-0.94	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.35	0.69
		<i>For Walls >10' High, Add</i>	1.07	
		<i>For Curved Wall, Add</i>	0.53	
		<i>For Up To 200, Add</i>	1.42	
		<i>For >200 To 500, Add</i>	0.71	
		<i>For 12" On Center, Add</i>	0.98	
		<i>For 24" On Center, Deduct</i>	-0.98	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.02	0.77
		<i>For Walls >10' High, Add</i>	1.40	
		<i>For Curved Wall, Add</i>	0.55	
		<i>For Up To 200, Add</i>	1.77	
		<i>For >200 To 500, Add</i>	0.88	
		<i>For 12" On Center, Add</i>	1.31	
		<i>For 24" On Center, Deduct</i>	-1.31	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.93	0.84
		<i>For Walls >10' High, Add</i>	1.59	
		<i>For Curved Wall, Add</i>	0.57	
		<i>For Up To 200, Add</i>	1.97	
		<i>For >200 To 500, Add</i>	0.98	
		<i>For 12" On Center, Add</i>	1.49	
		<i>For 24" On Center, Deduct</i>	-1.49	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

Runners (05 41)

05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.89	0.69
	For Walls >10' High, Add	0.98	
	For Curved Wall, Add	0.50	
	For Up To 200, Add	1.31	
	For >200 To 500, Add	0.66	
	For 12" On Center, Add	0.89	
	For 24" On Center, Deduct	-0.89	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	5.76	0.70
	For Walls >10' High, Add	1.15	
	For Curved Wall, Add	0.53	
	For Up To 200, Add	1.50	
	For >200 To 500, Add	0.75	
	For 12" On Center, Add	1.06	
	For 24" On Center, Deduct	-1.06	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.10	0.70
	For Walls >10' High, Add	1.22	
	For Curved Wall, Add	0.55	
	For Up To 200, Add	1.59	
	For >200 To 500, Add	0.79	
	For 12" On Center, Add	1.13	
	For 24" On Center, Deduct	-1.13	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.93	0.84
	For Walls >10' High, Add	1.59	
	For Curved Wall, Add	0.58	
	For Up To 200, Add	1.97	
	For >200 To 500, Add	0.99	
	For 12" On Center, Add	1.49	
	For 24" On Center, Deduct	-1.49	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.81	0.92
	For Walls >10' High, Add	1.76	
	For Curved Wall, Add	0.61	
	For Up To 200, Add	2.17	
	For >200 To 500, Add	1.08	
	For 12" On Center, Add	1.66	
	For 24" On Center, Deduct	-1.66	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.85	0.96
	For Walls >10' High, Add	1.37	
	For Curved Wall, Add	0.64	
	For Up To 200, Add	1.79	
	For >200 To 500, Add	0.90	
	For 12" On Center, Add	1.26	
	For 24" On Center, Deduct	-1.26	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.05	0.97
	For Walls >10' High, Add	1.41	
	For Curved Wall, Add	0.65	
	For Up To 200, Add	1.84	
	For >200 To 500, Add	0.92	
	For 12" On Center, Add	1.30	
	For 24" On Center, Deduct	-1.30	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.10	1.02
	For Walls >10' High, Add	1.82	
	For Curved Wall, Add	0.68	
	For Up To 200, Add	2.27	
	For >200 To 500, Add	1.14	
	For 12" On Center, Add	1.71	
	For 24" On Center, Deduct	-1.71	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.05	1.07
	For Walls >10' High, Add	2.01	
	For Curved Wall, Add	0.71	
	For Up To 200, Add	2.48	
	For >200 To 500, Add	1.24	
	For 12" On Center, Add	1.89	
	For 24" On Center, Deduct	-1.89	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)**

Note: Floor or roof joist framing

05 42 13 00-0001	Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0002	LF 5-1/2" - 18 Gauge Steel Joists	11.27	1.82
05 42 13 00-0003	LF 6" - 18 Gauge Steel Joists	12.08	2.29
05 42 13 00-0004	LF 7-1/4" - 18 Gauge Steel Joists	13.12	2.51
05 42 13 00-0005	LF 8" - 18 Gauge Steel Joists	13.44	2.67
05 42 13 00-0006	Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0007	LF 7-1/4" - 16 Gauge Steel Joists	14.34	2.53
05 42 13 00-0008	LF 8" - 16 Gauge Steel Joists	15.16	2.67
05 42 13 00-0009	Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0010	LF 9-1/4" - 14 Gauge Steel Joists	17.38	2.67

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 42 13 00-0011	LF			11-1/2" - 14 Gauge Steel Joists	18.95	2.81
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05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)
 See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001				Unistrut Channel (05 43) Note: Excludes fasteners and accessories.		
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05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)

05 43 00 00-0003	LF			1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	9.28	
				For Galvanizing, Add	0.95	
				For Powder Coating, Add	0.83	
05 43 00 00-0004	LF			1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	9.55	1.86
				For Galvanizing, Add	0.99	
				For Powder Coating, Add	0.87	
05 43 00 00-0005	LF			1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.96	1.86
				For Galvanizing, Add	1.06	
				For Powder Coating, Add	0.94	
05 43 00 00-0006	LF			1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.74	1.86
				For Galvanizing, Add	0.85	
				For Powder Coating, Add	0.75	
05 43 00 00-0007	LF			1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	7.56	1.86
				For Galvanizing, Add	0.65	
				For Powder Coating, Add	0.58	

05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)

05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)

05 43 00 00-0010	LF			1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.26	1.86
05 43 00 00-0011	LF			1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.28	1.86
05 43 00 00-0012	LF			1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.03	1.86
05 43 00 00-0013	LF			1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.78	1.86

05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)

05 43 00 00-0015	LF			1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	40.53	1.86
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05 43 00 00-0016 Unistrut Closure Strips (05 43)

05 43 00 00-0017	LF			Steel Raceway Closure Strip For Unistrut Channel	5.00	0.41
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05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel (05 43)
 Note: Includes hex bolt.

05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)
 Note: Includes hex bolt.

05 43 00 00-0020	EA			1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.74	
05 43 00 00-0021	EA			3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.31	
05 43 00 00-0022	EA			1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.74	
05 43 00 00-0023	EA			5/8-11, Steel Lock Nut With Spring For Unistrut Channel	9.06	

05 43 00 00-0024 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)
 Note: Includes hex bolt.

05 43 00 00-0025	EA			1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.55	
05 43 00 00-0026	EA			3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.47	
05 43 00 00-0027	EA			1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.78	
05 43 00 00-0028	EA			5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	36.06	

05 43 00 00-0029 Lock Nuts Without Spring For Unistrut Channel (05 43)
 Note: Includes hex bolt.

05 43 00 00-0030 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)
 Note: Includes hex bolt.

05 43 00 00-0031	EA			1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.76	
05 43 00 00-0032	EA			3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.39	
05 43 00 00-0033	EA			1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.77	
05 43 00 00-0034	EA			5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	9.73	

05 43 00 00-0035 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)
 Note: Includes hex bolt.

05 43 00 00-0036	EA			1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.50	
05 43 00 00-0037	EA			3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.61	
05 43 00 00-0038	EA			1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.71	
05 43 00 00-0039	EA			5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.11	

05 43 00 00-0040 Beam Clamp For Unistrut Channel (05 43)

05 43 00 00-0041	EA			1-5/8" Channel, P2675 Unistrut Beam Clamp	16.95	6.18
05 43 00 00-0042	EA			1-5/8" Channel, P2676 Unistrut Beam Clamp	21.21	6.18

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0043			Beam Clamp Clevis Hangers For Unistrut Channel (05 43)		
05 43 00 00-0044	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	18.43	6.18
05 43 00 00-0045	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	21.82	6.18
05 43 00 00-0046			Other Unistrut Channel Accessories (05 43)		
05 43 00 00-0047	EA		6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	125.32	8.24
05 43 00 00-0048			Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0049			Pipe And Rigid Conduit Clamps (05 43 00 00-0048)		
			Note: Includes stainless steel (316) hardware.		
05 43 00 00-0050	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.04	1.57
05 43 00 00-0051	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.22	1.57
05 43 00 00-0052	PR		1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.99	1.90
05 43 00 00-0053	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.38	2.07
05 43 00 00-0054	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.73	2.31
05 43 00 00-0055	PR		2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.73	2.31
05 43 00 00-0056	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.59	3.87
05 43 00 00-0057	PR		3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	14.94	3.87
05 43 00 00-0058	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	15.83	4.29
05 43 00 00-0059	PR		4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.60	4.63
05 43 00 00-0060			Pipe And Rigid Conduit Clamps (05 43 00 00-0048)		
			Note: Includes nylon hardware.		
05 43 00 00-0061	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.08	1.57
05 43 00 00-0062	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	7.31	1.57
05 43 00 00-0063	PR		1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.08	1.90
05 43 00 00-0064	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.51	2.07
05 43 00 00-0065	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.51	2.31
05 43 00 00-0066	PR		2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.51	2.31
05 43 00 00-0067	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	16.99	3.87
05 43 00 00-0068	PR		3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.47	3.87
05 43 00 00-0069	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	18.39	4.29
05 43 00 00-0070	PR		4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.52	4.63
05 45			Metal Support Assemblies (05 40)		
05 45 13			Mechanical Metal Supports (05 45)		
			See CSI section 23 05 29 00-0000 for metal supports.		
05 45 16			Electrical Metal Supports (05 45)		
			See CSI section 26 05 29 00-0000 for metal supports.		
05 50			Metal Fabrications (05)		
05 51			Metal Stairs (05 50)		
05 51 13			Metal Pan Stairs (05 51)		
			Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.		
			See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001			Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
			Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR		3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	678.84	23.99
			For Closed Riser, Add	78.17	
05 51 13 00-0003	RSR		4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	771.56	27.99
			For Closed Riser, Add	88.75	
05 51 13 00-0004	RSR		5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	859.83	32.79
			For Closed Riser, Add	98.68	
05 51 13 00-0005	SF		Concrete Filled Steel Pan Landing	65.67	4.00
			Note: Conventional shape.		
05 51 19			Metal Grating Stairs (05 51)		
			Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001			Open Steel Grating Tread Metal Stair And Landing (05 51 19)		
			Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR		3'-6" Wide Open Steel Grating Tread Metal Stair	331.92	32.00
			For Closed Riser, Add	39.63	
			For Galvanized Steel, Add	66.98	
05 51 19 00-0003	RSR		4'-0" Wide Open Steel Grating Tread Metal Stair	354.28	36.79
			For Closed Riser, Add	42.01	
			For Galvanized Steel, Add	70.17	
05 51 19 00-0004	RSR		5'-0" Wide Open Steel Grating Tread Metal Stair	392.59	43.20
			For Closed Riser, Add	46.29	
			For Galvanized Steel, Add	76.55	
05 51 19 00-0005	SF		Steel Grating Landing With Framing And 2 Pipe Handrail	61.92	4.00
			Note: Conventional shape.		
			For Galvanized Steel, Add	11.48	

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 51 33 Metal Ladders (05 51)
 Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF 20" Wide Vertical Steel Ladder Primed.....	70.01	9.60
	For Galvanized Steel, Add	9.98	
	For Aluminum, Add	19.95	
05 51 33 13-0003	VLF 24" Wide Vertical Steel Ladder Primed.....	80.13	9.60
	For Galvanized Steel, Add	12.51	
	For Aluminum, Add	25.01	
05 51 33 13-0004	VLF 20" Wide Vertical Steel Caged Ladder Primed.....	166.91	15.99
	For Galvanized Steel, Add	28.98	
	For Aluminum, Add	57.96	
05 51 33 13-0005	VLF 24" Wide Vertical Steel Caged Ladder Primed.....	187.13	15.99
	For Galvanized Steel, Add	34.04	
	For Aluminum, Add	68.07	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	257.91	29.99
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	49.48	
	For Aluminum, Add	98.96	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed.....	282.29	32.00
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	54.58	
	For Aluminum, Add	109.15	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp.....	383.82	9.99
05 51 33 13-0010	EA 6' Security Ladder Guard.....	822.88	59.99
05 51 33 13-0011	EA 8' Security Ladder Guard.....	984.04	69.99
05 51 33 13-0012	EA Safety Chain Attachment.....	149.88	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,519.72	119.97
05 51 33 13-0016	EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,650.53	123.98
05 51 33 13-0017	EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,754.63	127.97
05 51 33 13-0018	EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,865.87	131.98
05 51 33 13-0019	EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,930.83	135.98
05 51 33 13-0020	EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,036.71	139.97
05 51 33 13-0021	EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,130.16	143.98
05 51 33 13-0022	EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,252.07	147.97
05 51 33 13-0023	EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,370.43	151.97
05 51 33 13-0024	EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,467.41	155.97
05 51 33 13-0025	EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,585.77	159.97
05 51 33 13-0026	EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,700.56	163.97
05 51 33 13-0027	EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,813.56	167.97
05 51 33 13-0028	EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,019.14	171.97
05 51 33 13-0029	EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,080.54	175.96
05 51 33 13-0030	EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,186.43	179.97
05 51 33 13-0031	EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,283.42	183.97
05 51 33 13-0032	EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,373.30	187.96
05 51 33 13-0033	EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,573.53	191.97
05 51 33 13-0034	EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,681.19	195.96
05 51 33 13-0035	EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	3,781.76	199.96

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037	EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,624.38	119.97
05 51 33 13-0038	EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	3,871.94	123.98
05 51 33 13-0039	EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,284.29	127.97
05 51 33 13-0040	EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,487.68	131.98
05 51 33 13-0041	EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,658.78	135.98
05 51 33 13-0042	EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	4,885.94	139.97
05 51 33 13-0043	EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,294.92	143.98
05 51 33 13-0044	EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,501.70	147.97
05 51 33 13-0045	EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,715.28	151.97
05 51 33 13-0046	EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	5,949.24	155.97
05 51 33 13-0047	EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,366.70	159.97
05 51 33 13-0048	EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,575.18	163.97
05 51 33 13-0049	EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	6,773.46	167.97
05 51 33 13-0050	EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,102.58	171.97
05 51 33 13-0051	EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,472.47	175.96
05 51 33 13-0052	EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,677.54	179.97
05 51 33 13-0053	EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	7,887.73	183.97
05 51 33 13-0054	EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,084.32	187.96
05 51 33 13-0055	EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,590.12	191.97
05 51 33 13-0056	EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,786.70	195.96
05 51 33 13-0057	EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage.....	8,988.40	199.96

05 Metals
05 50 Metal Fabrications
05 51 Metal Stairs

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	240.35	39.99
	For Aluminum, Add	80.18	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)

05 51 33 23-0002	EA 4' Vertical Height Aluminum Alternating Tread Ladder	1,531.51	119.97
	For Stainless Steel, Add	196.80	
	For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA 5' Vertical Height Aluminum Alternating Tread Ladder	1,750.25	127.18
	For Stainless Steel, Add	240.90	
	For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA 6' Vertical Height Aluminum Alternating Tread Ladder	1,937.57	127.18
	For Stainless Steel, Add	288.67	
	For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA 7' Vertical Height Aluminum Alternating Tread Ladder	2,217.46	159.82
	For Stainless Steel, Add	347.24	
	For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA 8' Vertical Height Aluminum Alternating Tread Ladder	2,431.00	165.48
	For Stainless Steel, Add	388.99	
	For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA 9' Vertical Height Aluminum Alternating Tread Ladder	2,596.51	165.48
	For Stainless Steel, Add	453.51	
	For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA 10' Vertical Height Aluminum Alternating Tread Ladder.....	2,852.51	184.58
	For Stainless Steel, Add	497.40	
	For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA 11' Vertical Height Aluminum Alternating Tread Ladder.....	3,037.96	184.58
	For Stainless Steel, Add	546.61	
	For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA 12' Vertical Height Aluminum Alternating Tread Ladder.....	3,182.24	184.58
	For Stainless Steel, Add	623.99	
	For Primed Steel, Deduct	-346.65	

05 52 Metal Railings (05 52)

05 52 13 Pipe and Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

05 52 13 00-0003	LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	40.20	8.00
	For Additional Off Set Handrail, ADA Attachment, Add	11.69	
	For Aluminum, Satin Finish, Add	10.17	
	For Aluminum, Clear Anodized Finish, Add	15.74	
	For Aluminum, Dark Anodized Finish, Add	18.16	
	For Galvanizing, Add	13.32	
	For Wrought Iron, Add	4.02	
	For Solid Steel Rails, Add	8.04	
	For 304 Stainless Steel, Add	77.47	
	For 316 Stainless Steel, Add	87.16	
	For 2" Wheel Guard, Add	2.30	
	For 4" High Kick Plate, Add	3.03	
	For 6" High Kick Plate, Add	4.84	
	For Curved Rail, Add	19.32	
	For Mounting On Stairs, Add	12.06	
	For Mounting On Slopes, Add	4.02	
	For Post Base Flange With Screws, Add Per Post	19.10	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.90	
	For Custom Design Or Shapes (Square Tops, etc), Add	16.10	
	For Nylon Coating, Add	3.63	
05 52 13 00-0004	LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	44.37	8.00
	For Additional Off Set Handrail, ADA Attachment, Add	11.69	
	For Aluminum, Satin Finish, Add	11.92	
	For Aluminum, Clear Anodized Finish, Add	18.45	
	For Aluminum, Dark Anodized Finish, Add	21.29	
	For Galvanizing, Add	15.61	
	For Wrought Iron, Add	4.44	
	For Solid Steel Rails, Add	8.87	
	For 304 Stainless Steel, Add	90.82	
	For 316 Stainless Steel, Add	102.17	
	For 2" Wheel Guard, Add	2.70	
	For 4" High Kick Plate, Add	3.55	
	For 6" High Kick Plate, Add	5.68	
	For Curved Rail, Add	21.83	
	For Mounting On Stairs, Add	13.31	
	For Mounting On Slopes, Add	4.44	
	For Post Base Flange With Screws, Add Per Post	19.10	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.90	
	For Custom Design Or Shapes (Square Tops, etc), Add	18.19	
	For Nylon Coating, Add	4.26	
	For Schedule 80 Handrail, Add	4.40	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	48.54	8.00
		For Additional Off Set Handrail, ADA Attachment, Add	11.69	
		For Aluminum, Satin Finish, Add	13.67	
		For Aluminum, Clear Anodized Finish, Add	21.16	
		For Aluminum, Dark Anodized Finish, Add	24.41	
		For Galvanizing, Add	17.90	
		For Wrought Iron, Add	4.85	
		For Solid Steel Rails, Add	9.71	
		For 304 Stainless Steel, Add	104.16	
		For 316 Stainless Steel, Add	117.18	
		For 2" Wheel Guard, Add	3.09	
		For 4" High Kick Plate, Add	4.07	
		For 6" High Kick Plate, Add	6.51	
		For Curved Rail, Add	24.33	
		For Mounting On Stairs, Add	14.56	
		For Mounting On Slopes, Add	4.85	
		For Post Base Flange With Screws, Add Per Post	19.10	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.90	
		For Custom Design Or Shapes (Square Tops, etc), Add	20.27	
		For Nylon Coating, Add	4.88	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	55.77	8.00
		For Additional Off Set Handrail, ADA Attachment, Add	11.69	
		For Aluminum, Satin Finish, Add	16.71	
		For Aluminum, Clear Anodized Finish, Add	25.86	
		For Aluminum, Dark Anodized Finish, Add	29.84	
		For Galvanizing, Add	21.88	
		For Wrought Iron, Add	5.58	
		For Solid Steel Rails, Add	11.15	
		For 304 Stainless Steel, Add	127.30	
		For 316 Stainless Steel, Add	143.21	
		For 2" Wheel Guard, Add	3.78	
		For 4" High Kick Plate, Add	4.97	
		For 6" High Kick Plate, Add	7.96	
		For Curved Rail, Add	28.67	
		For Mounting On Stairs, Add	16.73	
		For Mounting On Slopes, Add	5.58	
		For Post Base Flange With Screws, Add Per Post	19.10	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.90	
		For Custom Design Or Shapes (Square Tops, etc), Add	23.89	
		For Nylon Coating, Add	5.97	
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	64.44	8.00
		For Additional Off Set Handrail, ADA Attachment, Add	11.69	
		For Aluminum, Satin Finish, Add	20.35	
		For Aluminum, Clear Anodized Finish, Add	31.49	
		For Aluminum, Dark Anodized Finish, Add	36.34	
		For Galvanizing, Add	26.65	
		For Wrought Iron, Add	6.44	
		For Solid Steel Rails, Add	12.89	
		For 304 Stainless Steel, Add	155.04	
		For 316 Stainless Steel, Add	174.42	
		For 2" Wheel Guard, Add	4.60	
		For 4" High Kick Plate, Add	6.06	
		For 6" High Kick Plate, Add	9.69	
		For Curved Rail, Add	33.87	
		For Mounting On Stairs, Add	19.33	
		For Mounting On Slopes, Add	6.44	
		For Post Base Flange With Screws, Add Per Post	19.10	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.90	
		For Custom Design Or Shapes (Square Tops, etc), Add	28.22	
		For Nylon Coating, Add	7.27	

05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
 Note: Includes factory primed posts and three rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	63.32	9.60
		For Additional Off Set Handrail, ADA Attachment, Add	12.33	
		For Aluminum, Satin Finish, Add	18.53	
		For Aluminum, Clear Anodized Finish, Add	28.68	
		For Aluminum, Dark Anodized Finish, Add	33.10	
		For Galvanizing, Add	24.27	
		For Wrought Iron, Add	6.33	
		For Solid Steel Rails, Add	12.66	
		For 304 Stainless Steel, Add	141.22	
		For 316 Stainless Steel, Add	158.87	
		For 2" Wheel Guard, Add	4.19	
		For 4" High Kick Plate, Add	5.52	
		For 6" High Kick Plate, Add	8.83	
		For Curved Rail, Add	32.24	
		For Mounting On Stairs, Add	19.00	
		For Mounting On Slopes, Add	6.33	
		For Post Base Flange With Screws, Add Per Post	19.42	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.38	
		For Custom Design Or Shapes (Square Tops, etc), Add	26.86	
		For Nylon Coating, Add	6.62	

05 Metals

05 50 Metal Fabrications

05 52 Metal Railings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	70.92	9.60
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.33	
		<i>For Aluminum, Satin Finish, Add</i>	21.73	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	33.62	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	38.80	
		<i>For Galvanizing, Add</i>	28.45	
		<i>For Wrought Iron, Add</i>	7.09	
		<i>For Solid Steel Rails, Add</i>	14.18	
		<i>For 304 Stainless Steel, Add</i>	165.54	
		<i>For 316 Stainless Steel, Add</i>	186.23	
		<i>For 2" Wheel Guard, Add</i>	4.91	
		<i>For 4" High Kick Plate, Add</i>	6.47	
		<i>For 6" High Kick Plate, Add</i>	10.35	
		<i>For Curved Rail, Add</i>	36.80	
		<i>For Mounting On Stairs, Add</i>	21.28	
		<i>For Mounting On Slopes, Add</i>	7.09	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.42	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.38	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	30.66	
		<i>For Nylon Coating, Add</i>	7.76	
		<i>For Schedule 80 Handrail, Add</i>	6.28	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	78.51	9.60
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.33	
		<i>For Aluminum, Satin Finish, Add</i>	24.91	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	38.56	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	44.49	
		<i>For Galvanizing, Add</i>	32.63	
		<i>For Wrought Iron, Add</i>	7.85	
		<i>For Solid Steel Rails, Add</i>	15.70	
		<i>For 304 Stainless Steel, Add</i>	189.82	
		<i>For 316 Stainless Steel, Add</i>	213.55	
		<i>For 2" Wheel Guard, Add</i>	5.64	
		<i>For 4" High Kick Plate, Add</i>	7.42	
		<i>For 6" High Kick Plate, Add</i>	11.86	
		<i>For Curved Rail, Add</i>	41.35	
		<i>For Mounting On Stairs, Add</i>	23.55	
		<i>For Mounting On Slopes, Add</i>	7.85	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.42	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.38	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	34.46	
		<i>For Nylon Coating, Add</i>	8.90	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	91.72	9.60
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.33	
		<i>For Aluminum, Satin Finish, Add</i>	30.46	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	47.14	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	54.40	
		<i>For Galvanizing, Add</i>	39.89	
		<i>For Wrought Iron, Add</i>	9.17	
		<i>For Solid Steel Rails, Add</i>	18.34	
		<i>For 304 Stainless Steel, Add</i>	232.10	
		<i>For 316 Stainless Steel, Add</i>	261.11	
		<i>For 2" Wheel Guard, Add</i>	6.89	
		<i>For 4" High Kick Plate, Add</i>	9.07	
		<i>For 6" High Kick Plate, Add</i>	14.51	
		<i>For Curved Rail, Add</i>	49.28	
		<i>For Mounting On Stairs, Add</i>	27.52	
		<i>For Mounting On Slopes, Add</i>	9.17	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.42	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.38	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.06	
		<i>For Nylon Coating, Add</i>	10.88	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	107.45	9.60
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.33	
		<i>For Aluminum, Satin Finish, Add</i>	37.07	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	57.37	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	66.20	
		<i>For Galvanizing, Add</i>	48.54	
		<i>For Wrought Iron, Add</i>	10.75	
		<i>For Solid Steel Rails, Add</i>	21.49	
		<i>For 304 Stainless Steel, Add</i>	282.43	
		<i>For 316 Stainless Steel, Add</i>	317.74	
		<i>For 2" Wheel Guard, Add</i>	8.38	
		<i>For 4" High Kick Plate, Add</i>	11.03	
		<i>For 6" High Kick Plate, Add</i>	17.65	
		<i>For Curved Rail, Add</i>	58.71	
		<i>For Mounting On Stairs, Add</i>	32.24	
		<i>For Mounting On Slopes, Add</i>	10.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.42	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.38	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	48.93	
		<i>For Nylon Coating, Add</i>	13.24	

05 52 13 00-0014 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and four rails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0015	LF		1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	76.56	11.20
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.97	
			<i>For Aluminum, Satin Finish, Add</i>	22.75	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	35.20	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	40.62	
			<i>For Galvanizing, Add</i>	29.79	
			<i>For Wrought Iron, Add</i>	7.66	
			<i>For Solid Steel Rails, Add</i>	15.31	
			<i>For 304 Stainless Steel, Add</i>	173.31	
			<i>For 316 Stainless Steel, Add</i>	194.98	
			<i>For 2" Wheel Guard, Add</i>	5.15	
			<i>For 4" High Kick Plate, Add</i>	6.77	
			<i>For 6" High Kick Plate, Add</i>	10.83	
			<i>For Curved Rail, Add</i>	39.22	
			<i>For Mounting On Stairs, Add</i>	22.97	
			<i>For Mounting On Slopes, Add</i>	7.66	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.74	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.86	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.68	
			<i>For Nylon Coating, Add</i>	8.12	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	83.30	11.20
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.97	
			<i>For Aluminum, Satin Finish, Add</i>	25.58	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	39.59	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	45.68	
			<i>For Galvanizing, Add</i>	33.50	
			<i>For Wrought Iron, Add</i>	8.33	
			<i>For Solid Steel Rails, Add</i>	16.66	
			<i>For 304 Stainless Steel, Add</i>	194.88	
			<i>For 316 Stainless Steel, Add</i>	219.24	
			<i>For 2" Wheel Guard, Add</i>	5.79	
			<i>For 4" High Kick Plate, Add</i>	7.61	
			<i>For 6" High Kick Plate, Add</i>	12.18	
			<i>For Curved Rail, Add</i>	43.26	
			<i>For Mounting On Stairs, Add</i>	24.99	
			<i>For Mounting On Slopes, Add</i>	8.33	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.74	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.86	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	36.05	
			<i>For Nylon Coating, Add</i>	9.14	
			<i>For Schedule 80 Handrail, Add</i>	8.36	
05 52 13 00-0017	LF		1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	90.05	11.20
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.97	
			<i>For Aluminum, Satin Finish, Add</i>	28.41	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	43.97	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	50.74	
			<i>For Galvanizing, Add</i>	37.21	
			<i>For Wrought Iron, Add</i>	9.01	
			<i>For Solid Steel Rails, Add</i>	18.01	
			<i>For 304 Stainless Steel, Add</i>	216.48	
			<i>For 316 Stainless Steel, Add</i>	243.54	
			<i>For 2" Wheel Guard, Add</i>	6.43	
			<i>For 4" High Kick Plate, Add</i>	8.46	
			<i>For 6" High Kick Plate, Add</i>	13.53	
			<i>For Curved Rail, Add</i>	47.31	
			<i>For Mounting On Stairs, Add</i>	27.02	
			<i>For Mounting On Slopes, Add</i>	9.01	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.74	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.86	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	39.43	
			<i>For Nylon Coating, Add</i>	10.15	
05 52 13 00-0018	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	105.08	11.20
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.97	
			<i>For Aluminum, Satin Finish, Add</i>	34.73	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	53.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	62.01	
			<i>For Galvanizing, Add</i>	45.47	
			<i>For Wrought Iron, Add</i>	10.51	
			<i>For Solid Steel Rails, Add</i>	21.02	
			<i>For 304 Stainless Steel, Add</i>	264.58	
			<i>For 316 Stainless Steel, Add</i>	297.65	
			<i>For 2" Wheel Guard, Add</i>	7.85	
			<i>For 4" High Kick Plate, Add</i>	10.34	
			<i>For 6" High Kick Plate, Add</i>	16.54	
			<i>For Curved Rail, Add</i>	56.33	
			<i>For Mounting On Stairs, Add</i>	31.52	
			<i>For Mounting On Slopes, Add</i>	10.51	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.74	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.86	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	46.94	
			<i>For Nylon Coating, Add</i>	12.40	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	122.69	11.20
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.97	
		<i>For Aluminum, Satin Finish, Add</i>	42.12	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	65.19	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	75.22	
		<i>For Galvanizing, Add</i>	55.16	
		<i>For Wrought Iron, Add</i>	12.27	
		<i>For Solid Steel Rails, Add</i>	24.54	
		<i>For 304 Stainless Steel, Add</i>	320.93	
		<i>For 316 Stainless Steel, Add</i>	361.04	
		<i>For 2" Wheel Guard, Add</i>	9.53	
		<i>For 4" High Kick Plate, Add</i>	12.54	
		<i>For 6" High Kick Plate, Add</i>	20.06	
		<i>For Curved Rail, Add</i>	66.89	
		<i>For Mounting On Stairs, Add</i>	36.81	
		<i>For Mounting On Slopes, Add</i>	12.27	
		<i>For Post Base Flange With Screws, Add Per Post</i>	19.74	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.86	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	55.75	
		<i>For Nylon Coating, Add</i>	15.04	
05 52 13 00-0020		Railing Infill Panels <small>(05 52 13)</small>		
		Note: Includes field welds and touch-up of welds.		
05 52 13 00-0021		Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
		Note: Square weave or square welded wire mesh.		
05 52 13 00-0022	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	10.32	
05 52 13 00-0023	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	10.96	
05 52 13 00-0024	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	11.52	
05 52 13 00-0025	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	19.48	
05 52 13 00-0026		Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0027	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	10.12	
05 52 13 00-0028	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel.....	10.46	
05 52 13 00-0029	SF	Aluminum, Perforated Metal, Railing Infill Panel	11.20	
05 52 13 00-0030	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	22.48	
05 52 13 00-0031		Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0032	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	4.57	
05 52 13 00-0033	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel.....	9.33	
05 52 13 00-0034	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	12.25	
05 52 13 00-0035	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	18.26	
05 52 13 00-0036		Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0037	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	30.53	4.80
		<i>For Stainless Steel, Add</i>	37.06	
		<i>For Aluminum, Satin Finish, Add</i>	7.78	
		<i>For Curved Rail, Add</i>	9.16	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.04	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	13.90	
		<i>For Galvanized Finish, Add</i>	5.56	
05 52 13 00-0038	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	31.13	4.80
		<i>For Stainless Steel, Add</i>	38.26	
		<i>For Aluminum, Satin Finish, Add</i>	8.03	
		<i>For Curved Rail, Add</i>	9.34	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.43	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	14.35	
		<i>For Galvanized Finish, Add</i>	5.74	
05 52 13 00-0039	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	31.73	4.80
		<i>For Stainless Steel, Add</i>	39.46	
		<i>For Aluminum, Satin Finish, Add</i>	8.29	
		<i>For Curved Rail, Add</i>	9.52	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.82	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	14.80	
		<i>For Galvanized Finish, Add</i>	5.92	
05 52 13 00-0040	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.60	4.80
		<i>For Stainless Steel, Add</i>	53.20	
		<i>For Aluminum, Satin Finish, Add</i>	11.17	
		<i>For Curved Rail, Add</i>	11.58	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	17.29	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	19.95	
		<i>For Galvanized Finish, Add</i>	7.98	
05 52 13 00-0041	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.28	4.80
		<i>For Stainless Steel, Add</i>	64.56	
		<i>For Aluminum, Satin Finish, Add</i>	13.56	
		<i>For Curved Rail, Add</i>	13.28	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	20.98	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	24.21	
		<i>For Galvanized Finish, Add</i>	9.68	
05 52 13 00-0042		Remove/Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0043	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	18.00	
05 52 13 00-0044	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	23.85	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0045	EA Install New Galvanized Steel Pipe Railing Bracket..... <i>For Stainless Steel, Add</i>	46.70	45.42
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05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF 3/4" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	7.63 0.22 1.00 18.84	0.87
05 53 13 00-0004	SF 3/4" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	10.06 0.22 1.41 26.64	0.87
05 53 13 00-0005	SF 1" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	9.20 0.22 1.26 23.88	0.87
05 53 13 00-0006	SF 1" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	12.50 0.22 1.83 34.48	0.87
05 53 13 00-0007	SF 1" x 1/4" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	15.80 0.22 2.39 45.07	0.87
05 53 13 00-0008	SF 1-1/4" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	10.78 0.22 1.53 28.95	0.87
05 53 13 00-0009	SF 1-1/4" x 3/16" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	14.79 0.22 2.22 41.83	0.87
05 53 13 00-0010	SF 1-1/2" x 1/8" Steel, Welded Grating <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	12.36 0.22 1.80 34.03	0.87

05 Metals
05 50 Metal Fabrications
05 53 Metal Gratings

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0011	SF 1-1/2" x 3/16" Steel, Welded Grating	17.60	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	2.62	
	For 304 Stainless Steel, Add	49.56	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	4.51	
	For Crossbars At 2" On-Center, Add	1.67	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.83	
05 53 13 00-0012	SF 1-1/2" x 1/4" Steel, Welded Grating	22.62	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	3.48	
	For 304 Stainless Steel, Add	65.68	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	5.97	
	For Crossbars At 2" On-Center, Add	2.21	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0013	SF 1-3/4" x 3/16" Steel, Welded Grating	20.05	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	3.04	
	For 304 Stainless Steel, Add	57.43	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	5.22	
	For Crossbars At 2" On-Center, Add	1.93	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.89	
05 53 13 00-0014	SF 2" x 3/16" Steel, Welded Grating	22.35	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	3.43	
	For 304 Stainless Steel, Add	64.81	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	5.90	
	For Crossbars At 2" On-Center, Add	2.18	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.95	
05 53 13 00-0015	SF 2-1/4" x 3/16" Steel, Welded Grating	24.78	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	3.85	
	For 304 Stainless Steel, Add	72.61	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	6.61	
	For Crossbars At 2" On-Center, Add	2.44	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.01	
05 53 13 00-0016	SF 2-1/2" x 3/16" Steel, Welded Grating	27.07	1.08
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	4.23	
	For 304 Stainless Steel, Add	79.96	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	7.27	
	For Crossbars At 2" On-Center, Add	2.69	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.07	

05 53 13 00-0017 Pressure Locked Grating (05 53 13)
 Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF 3/4" x 1/8" Steel, Pressure Locked Grating	14.01	0.87
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	2.01	
	For 304 Stainless Steel, Add	22.92	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	3.58	
	For Crossbars At 2" On-Center, Add	1.32	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.49	
05 53 13 00-0020	SF 3/4" x 3/16" Steel, Pressure Locked Grating	17.13	0.87
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	2.52	
	For 304 Stainless Steel, Add	28.76	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	4.49	
	For Crossbars At 2" On-Center, Add	1.66	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0021	SF 1" x 1/8" Steel, Pressure Locked Grating	15.35	0.87
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	2.23	
	For 304 Stainless Steel, Add	25.43	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	3.97	
	For Crossbars At 2" On-Center, Add	1.47	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating.....	20.71	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.11	
			For 304 Stainless Steel, Add	35.46	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	27.48	
			For Bearing Bars At 15/16" On-Center, Add	5.53	
			For Crossbars At 2" On-Center, Add	2.05	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	17.13	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.52	
			For 304 Stainless Steel, Add	28.76	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.49	
			For Crossbars At 2" On-Center, Add	1.66	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	23.20	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.52	
			For 304 Stainless Steel, Add	40.11	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.26	
			For Crossbars At 2" On-Center, Add	2.32	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.72	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	19.01	0.87
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.83	
			For 304 Stainless Steel, Add	32.27	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.04	
			For Crossbars At 2" On-Center, Add	1.86	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.61	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	26.20	1.08
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.94	
			For 304 Stainless Steel, Add	44.98	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	34.86	
			For Bearing Bars At 15/16" On-Center, Add	7.02	
			For Crossbars At 2" On-Center, Add	2.60	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.83	1.08
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.37	
			For 304 Stainless Steel, Add	49.90	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.79	
			For Crossbars At 2" On-Center, Add	2.88	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	30.96	1.08
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.72	
			For 304 Stainless Steel, Add	53.88	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.41	
			For Crossbars At 2" On-Center, Add	3.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.17	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	33.01	1.08
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.06	
			For 304 Stainless Steel, Add	57.72	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.01	
			For Crossbars At 2" On-Center, Add	3.33	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.22	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	34.79	1.08
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.35	
			For 304 Stainless Steel, Add	61.05	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.53	
			For Crossbars At 2" On-Center, Add	3.52	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 Metals

05 50 Metal Fabrications

05 53 Metal Gratings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	16.41	0.87
		For Bearing Bars At 15/16" On-Center, Add	4.28	
		For Crossbars At 2" On-Center, Add	1.58	
		For Set In Place Without Bolting, Deduct	-1.55	
		For Powder Coating, Add	2.20	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	22.41	0.87
		For Bearing Bars At 15/16" On-Center, Add	6.03	
		For Crossbars At 2" On-Center, Add	2.23	
		For Set In Place Without Bolting, Deduct	-1.70	
		For Powder Coating, Add	3.10	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.12	0.87
		For Bearing Bars At 15/16" On-Center, Add	5.65	
		For Crossbars At 2" On-Center, Add	2.09	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.66	
		For Powder Coating, Add	2.90	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	28.88	0.87
		For Bearing Bars At 7/16" On-Center, Add	39.32	
		For Bearing Bars At 15/16" On-Center, Add	7.92	
		For Crossbars At 2" On-Center, Add	2.93	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.86	
		For Powder Coating, Add	4.07	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	24.53	0.87
		For Bearing Bars At 15/16" On-Center, Add	6.65	
		For Crossbars At 2" On-Center, Add	2.46	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.75	
		For Powder Coating, Add	3.42	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	32.99	0.87
		For Bearing Bars At 15/16" On-Center, Add	9.12	
		For Crossbars At 2" On-Center, Add	3.37	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.96	
		For Powder Coating, Add	4.68	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	27.74	0.87
		For Bearing Bars At 15/16" On-Center, Add	7.59	
		For Crossbars At 2" On-Center, Add	2.81	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-1.83	
		For Powder Coating, Add	3.90	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	37.24	0.87
		For Bearing Bars At 7/16" On-Center, Add	51.45	
		For Bearing Bars At 15/16" On-Center, Add	10.36	
		For Crossbars At 2" On-Center, Add	3.83	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.07	
		For Powder Coating, Add	5.32	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	41.30	0.87
		For Bearing Bars At 15/16" On-Center, Add	11.55	
		For Crossbars At 2" On-Center, Add	4.27	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.17	
		For Powder Coating, Add	5.93	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	46.11	0.87
		For Bearing Bars At 15/16" On-Center, Add	12.95	
		For Crossbars At 2" On-Center, Add	4.79	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.29	
		For Powder Coating, Add	6.65	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	49.89	0.87
		For Bearing Bars At 15/16" On-Center, Add	14.05	
		For Crossbars At 2" On-Center, Add	5.20	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.38	
		For Powder Coating, Add	7.22	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	54.39	0.87
		For Bearing Bars At 15/16" On-Center, Add	15.37	
		For Crossbars At 2" On-Center, Add	5.68	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.49	
		For Powder Coating, Add	7.89	

05 53 13 00-0044 Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	22.62	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.92	
For 304 Stainless Steel, Add	34.59	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	13.35	
For Crossbars At 2" On-Center, Add	1.67	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.70	
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating	25.20	0.87
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	38.86	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	15.00	
For Crossbars At 2" On-Center, Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.77	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating	27.61	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.34	
For 304 Stainless Steel, Add	42.20	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	16.29	
For Crossbars At 2" On-Center, Add	2.04	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.08	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating	31.55	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.70	
For 304 Stainless Steel, Add	48.73	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	18.81	
For Crossbars At 2" On-Center, Add	2.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	35.52	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.07	
For 304 Stainless Steel, Add	55.31	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	21.35	
For Crossbars At 2" On-Center, Add	2.67	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.28	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating	39.46	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	61.84	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	23.87	
For Crossbars At 2" On-Center, Add	2.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.38	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating	43.42	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.80	
For 304 Stainless Steel, Add	68.41	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	26.41	
For Crossbars At 2" On-Center, Add	3.30	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.48	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	19.46	0.87
For Bearing Bars At 15/16" On-Center, Add	11.33	
For Crossbars At 2" On-Center, Add	1.42	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.62	
For Powder Coating, Add	2.66	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	25.38	0.87
For Bearing Bars At 15/16" On-Center, Add	15.12	
For Crossbars At 2" On-Center, Add	1.89	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.77	
For Powder Coating, Add	3.54	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.12	0.87
For Bearing Bars At 15/16" On-Center, Add	13.03	
For Crossbars At 2" On-Center, Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.69	
For Powder Coating, Add	3.05	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	29.37	0.87
For Bearing Bars At 15/16" On-Center, Add	17.67	
For Crossbars At 2" On-Center, Add	2.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.87	
For Powder Coating, Add	4.14	

05 Metals

05 50 Metal Fabrications

05 53 Metal Gratings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	25.28	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.05	
		<i>For Crossbars At 2" On-Center, Add</i>	1.88	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-1.77	
		<i>For Powder Coating, Add</i>	3.53	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	33.64	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	20.40	
		<i>For Crossbars At 2" On-Center, Add</i>	2.55	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-1.98	
		<i>For Powder Coating, Add</i>	4.78	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	38.56	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	23.55	
		<i>For Crossbars At 2" On-Center, Add</i>	2.94	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.10	
		<i>For Powder Coating, Add</i>	5.52	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	43.45	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	26.68	
		<i>For Crossbars At 2" On-Center, Add</i>	3.34	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.22	
		<i>For Powder Coating, Add</i>	6.25	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating.....	48.36	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	29.82	
		<i>For Crossbars At 2" On-Center, Add</i>	3.73	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.34	
		<i>For Powder Coating, Add</i>	6.99	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating.....	53.25	0.87
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	32.95	
		<i>For Crossbars At 2" On-Center, Add</i>	4.12	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.47	
		<i>For Powder Coating, Add</i>	7.72	

05 53 13 00-0064 Riveted Grating (05 53 13)

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating (05 53 13 00-0064)

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	42.57	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	1.96	
		<i>For 304 Stainless Steel, Add</i>	35.06	
		<i>For 5/8" Clear Opening, Add</i>	14.08	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.20	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	50.04	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.32	
		<i>For 304 Stainless Steel, Add</i>	41.47	
		<i>For 5/8" Clear Opening, Add</i>	16.66	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.39	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	46.01	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.12	
		<i>For 304 Stainless Steel, Add</i>	38.01	
		<i>For 5/8" Clear Opening, Add</i>	15.27	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.29	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	52.89	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.45	
		<i>For 304 Stainless Steel, Add</i>	43.92	
		<i>For 5/8" Clear Opening, Add</i>	17.64	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.46	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	48.86	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.26	
		<i>For 304 Stainless Steel, Add</i>	40.46	
		<i>For 5/8" Clear Opening, Add</i>	16.25	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.36	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	58.19	0.87
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.71	
		<i>For 304 Stainless Steel, Add</i>	48.47	
		<i>For 5/8" Clear Opening, Add</i>	19.47	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating	52.00	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.81	
For 5/8" Clear Opening, Add	17.19	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69	
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating	61.97	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.87	
For 304 Stainless Steel, Add	51.38	
For 5/8" Clear Opening, Add	20.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.94	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating	67.06	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.12	
For 304 Stainless Steel, Add	55.75	
For 5/8" Clear Opening, Add	22.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.07	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	78.43	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.66	
For 304 Stainless Steel, Add	65.52	
For 5/8" Clear Opening, Add	26.31	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating	82.39	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.85	
For 304 Stainless Steel, Add	68.92	
For 5/8" Clear Opening, Add	27.68	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.45	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating	85.91	1.08
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.02	
For 304 Stainless Steel, Add	71.94	
For 5/8" Clear Opening, Add	28.89	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.54	
05 53 13 00-0078 Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	42.18	0.87
For 5/8" Clear Opening, Add	13.94	
For Powder Coating, Add	6.06	
For Set In Place Without Bolting, Deduct	-2.19	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	50.17	0.87
For 5/8" Clear Opening, Add	16.70	
For Powder Coating, Add	7.26	
For Set In Place Without Bolting, Deduct	-2.39	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	46.45	0.87
For 5/8" Clear Opening, Add	15.42	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	6.70	
For Set In Place Without Bolting, Deduct	-2.30	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	54.26	0.87
For 5/8" Clear Opening, Add	18.11	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.88	
For Set In Place Without Bolting, Deduct	-2.49	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	52.17	0.87
For 5/8" Clear Opening, Add	17.39	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.56	
For Set In Place Without Bolting, Deduct	-2.44	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	63.01	0.87
For 5/8" Clear Opening, Add	21.13	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	9.19	
For Set In Place Without Bolting, Deduct	-2.71	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	56.07	0.87
For 5/8" Clear Opening, Add	18.74	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.15	
For Set In Place Without Bolting, Deduct	-2.54	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	69.84	0.87
For 5/8" Clear Opening, Add	23.49	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.21	
For Set In Place Without Bolting, Deduct	-2.88	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	77.06	0.87
For 5/8" Clear Opening, Add	25.98	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.30	
For Set In Place Without Bolting, Deduct	-3.06	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	91.89	0.87
			<i>For 5/8" Clear Opening, Add</i>	31.09	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	13.52	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.43	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	100.30	0.87
			<i>For 5/8" Clear Opening, Add</i>	34.00	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	14.78	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.64	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	111.58	0.87
			<i>For 5/8" Clear Opening, Add</i>	37.89	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	16.47	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.92	

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002	SF		16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	13.35	1.04
05 54 00 00-0003	SF		14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.26	1.04
05 54 00 00-0004	SF		12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	19.11	1.04
05 54 00 00-0005	SF		1/8" Steel Raised Or Diamond Pattern Floor Plates.....	25.57	1.12
05 54 00 00-0006	SF		1/4" Steel Raised Or Diamond Pattern Floor Plates.....	32.48	1.20

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008	SF		0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	20.90	0.87
			<i>For Powder Coating, Add</i>	2.87	
05 54 00 00-0009	SF		0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	23.98	1.04
			<i>For Powder Coating, Add</i>	3.30	
05 54 00 00-0010	SF		0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	27.07	1.12
			<i>For Powder Coating, Add</i>	3.72	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF		1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.85	1.20
05 54 00 00-0013	SF		3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	32.10	1.36
05 54 00 00-0014	SF		1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	41.58	1.60

05 55 Metal Stair Treads and Nosings (05 50)**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	49.31	4.33
			<i>For 3/8" Thick, Add</i>	10.60	
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	54.40	4.33
			<i>For 3/8" Thick, Add</i>	11.87	
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	59.47	4.33
			<i>For 3/8" Thick, Add</i>	13.14	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	64.58	4.33
			<i>For 3/8" Thick, Add</i>	14.41	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	69.64	4.33
			<i>For 3/8" Thick, Add</i>	15.68	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	69.04	4.33
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	76.58	4.33
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	84.14	4.33
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	91.68	4.33
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	99.24	4.33

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	25.50	4.33
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	30.11	4.33
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	32.14	4.33

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	38.23	4.33
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
			<i>For Two Color Tread, Add</i>	2.40	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	38.61	4.33
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
		<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	46.90	4.33
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
		<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	54.17	4.33
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
		<i>For Two Color Tread, Add</i>	2.40	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	63.65	4.33
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	
		<i>For Two Color Tread, Add</i>	2.40	

05 55 13 00-0023 Stair Landing Treads (05 55 13)

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	69.64	4.33
		<i>For 3/8" Thick, Add</i>	15.68	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads.....	99.24	4.33
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05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	64.48	4.33
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	3.20	

05 55 16 Metal Stair Nosings (05 55)

05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	20.53	2.96
		<i>For 3/8" Thick, Add</i>	3.95	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	25.45	2.96
		<i>For 3/8" Thick, Add</i>	5.18	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	36.40	2.96
		<i>For 3/8" Thick, Add</i>	7.92	

05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	24.12	2.96
		<i>For 3/8" Thick, Add</i>	4.85	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	30.17	2.96
		<i>For 3/8" Thick, Add</i>	6.36	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	42.13	2.96
		<i>For 3/8" Thick, Add</i>	9.35	

05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.20	2.96
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	19.57	2.96
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.38	2.96
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.00	2.96
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.84	2.96
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.86	2.96
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	21.86	2.96
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	20.64	2.96

05 58 Formed Metal Fabrications (05 50)

05 58 16 Formed Metal Enclosures (05 58)

05 58 16 00-0001 Drip Pan (05 58 16)

05 58 16 00-0002	SF	Stainless Steel Drip Pan	76.92	3.86
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	75.96	3.86
05 58 16 00-0004	SF	Aluminum Drip Pan	53.14	3.09
05 58 16 00-0005	SF	Plastic Drip Pan	12.92	2.70

05 58 23 Formed Metal Guards (05 58)

05 58 23 00-0001 Protective Guard Rails (05 58 23)

Note: Includes painted finish.

05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)

Note: Steel King Armor Guard.

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)					
		Note: Excludes posts. Includes fasteners.					
	05 58 23 00-0004	EA			1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	142.27	14.19
	05 58 23 00-0005	EA			2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	167.71	14.19
	05 58 23 00-0006	EA			3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	191.71	14.19
	05 58 23 00-0007	EA			4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	217.16	14.19
	05 58 23 00-0008	EA			5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	241.29	14.19
	05 58 23 00-0009	EA			6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	272.58	14.19
	05 58 23 00-0010	EA			7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	293.90	14.19
	05 58 23 00-0011	EA			8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	326.91	14.19
	05 58 23 00-0012	EA			9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	348.57	14.19
	05 58 23 00-0013	EA			10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	364.05	14.19
05 58 23 00-0014		Posts For 2-Rib Guard Rails (05 58 23 00-0002)					
		Note: Includes drilling, surface mounting plate and anchors.					
	05 58 23 00-0015	EA			12" Height, Single Rail Post For 2-Rib Guard Rails	284.66	29.55
	05 58 23 00-0016	EA			42" Height, Triple Rail Post For 2-Rib Guard Rails	373.03	29.55
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)					
		Note: Steel King Steel Guard.					
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
		Note: Excludes posts. Includes fasteners.					
	05 58 23 00-0019	EA			1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	157.60	14.19
	05 58 23 00-0020	EA			2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	174.52	14.19
	05 58 23 00-0021	EA			3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	195.63	14.19
	05 58 23 00-0022	EA			4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	215.37	14.19
	05 58 23 00-0023	EA			5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	238.20	14.19
	05 58 23 00-0024	EA			6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	249.20	14.19
	05 58 23 00-0025	EA			7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	275.68	14.19
	05 58 23 00-0026	EA			8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	298.03	14.19
	05 58 23 00-0027	EA			9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	321.75	14.19
	05 58 23 00-0028	EA			10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	345.82	14.19
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.					
	05 58 23 00-0030	EA			1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	233.73	14.19
	05 58 23 00-0031	EA			2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	252.30	14.19
	05 58 23 00-0032	EA			3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	271.55	14.19
	05 58 23 00-0033	EA			4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	293.90	14.19
	05 58 23 00-0034	EA			5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	316.25	14.19
	05 58 23 00-0035	EA			6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	334.48	14.19
	05 58 23 00-0036	EA			7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	355.45	14.19
	05 58 23 00-0037	EA			8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	379.18	14.19
	05 58 23 00-0038	EA			9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	404.62	14.19
	05 58 23 00-0039	EA			10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	426.97	14.19
05 58 23 00-0040		Posts For 3-Rib Guard Rails (05 58 23 00-0017)					
		Note: Includes drilling, surface mounting plate and anchors.					
	05 58 23 00-0041	EA			18" Height, Single Rail Post For 3-Rib Guard Rails	249.45	29.55
	05 58 23 00-0042	EA			42" Height, Double Rail Post For 3-Rib Guard Rails	321.11	29.55
05 58 23 00-0043		All-Welded, Protective Guards (05 58 23)					
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.					
05 58 23 00-0044		All-Welded, Protective Guards (05 58 23 00-0043)					
	05 58 23 00-0045	EA			36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	325.34	39.40
	05 58 23 00-0046	EA			48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	342.53	39.40
	05 58 23 00-0047	EA			36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	352.50	39.40
	05 58 23 00-0048	EA			48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	367.29	39.40
	05 58 23 00-0049	EA			36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	363.85	39.40
	05 58 23 00-0050	EA			48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	382.07	39.40
	05 58 23 00-0051	EA			36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	387.23	39.40
	05 58 23 00-0052	EA			48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	393.08	39.40
	05 58 23 00-0053	EA			48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	420.93	39.40
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)					
	05 58 23 00-0055	EA			24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	431.93	39.40
	05 58 23 00-0056	EA			30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	452.56	39.40
	05 58 23 00-0057	EA			24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	461.16	39.40
	05 58 23 00-0058	EA			30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	503.45	39.40
05 58 23 00-0059		Warehouse Safety Bollards (05 58 23)					
		Note: Includes painted finish, drilling, surface mounting plate and anchors.					
	05 58 23 00-0060	EA			24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	205.90	29.55
	05 58 23 00-0061	EA			36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	239.87	29.55
	05 58 23 00-0062	EA			42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	275.84	29.55
	05 58 23 00-0063	EA			36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	285.67	29.55

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	308.37	29.55
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05 59 Metal Specialties (05 50)

05 59 65 Metal Chain (05 59)

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	4.39	0.78
		<i>For Plastic Dipped, Add</i>	0.43	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.93	1.03
		<i>For Plastic Dipped, Add</i>	0.58	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	9.33	2.06
		<i>For Plastic Dipped, Add</i>	0.78	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	14.96	3.47
		<i>For Plastic Dipped, Add</i>	1.20	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	25.24	5.88
		<i>For Plastic Dipped, Add</i>	2.03	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.43	8.24
		<i>For Plastic Dipped, Add</i>	2.84	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	48.39	10.30
		<i>For Plastic Dipped, Add</i>	4.17	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	70.09	13.73
		<i>For Plastic Dipped, Add</i>	6.39	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	114.13	20.60
		<i>For Plastic Dipped, Add</i>	10.94	

05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 73 Decorative Metal Railings (05 70)

05 73 23 Decorative Metal Railings (05 73)

05 73 23 00-0001 Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers (05 73 23)

Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.

05 73 23 00-0002	LF	32" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	141.60	12.00
		<i>For 4' Post Spacing, Add</i>	20.91	
		<i>For Balconies, Add</i>	12.20	
05 73 23 00-0003	LF	36" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	141.58	12.14
		<i>For 4' Post Spacing, Add</i>	20.15	
		<i>For Balconies, Add</i>	12.40	
05 73 23 00-0004	LF	42" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	146.21	12.35
		<i>For 4' Post Spacing, Add</i>	20.65	
		<i>For Balconies, Add</i>	12.60	
05 73 23 00-0005	LF	48" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	150.92	12.55
		<i>For 4' Post Spacing, Add</i>	21.16	
		<i>For Balconies, Add</i>	12.80	
05 73 23 00-0006	LF	60" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers	160.25	12.74
		<i>For 4' Post Spacing, Add</i>	22.16	
		<i>For Balconies, Add</i>	13.20	

05 73 23 00-0007 Aluminum Picket Railing With 4" Square Posts On 6' Centers (05 73 23)

Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.

05 73 23 00-0008	LF	32" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	161.67	12.00
		<i>For 4' Post Spacing, Add</i>	27.60	
		<i>For Balconies, Add</i>	12.20	
05 73 23 00-0009	LF	36" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	166.82	12.14
		<i>For 4' Post Spacing, Add</i>	28.57	
		<i>For Balconies, Add</i>	12.40	
05 73 23 00-0010	LF	42" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	173.22	12.35
		<i>For 4' Post Spacing, Add</i>	29.66	
		<i>For Balconies, Add</i>	12.60	
05 73 23 00-0011	LF	48" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	179.68	12.55
		<i>For 4' Post Spacing, Add</i>	30.74	
		<i>For Balconies, Add</i>	12.80	
05 73 23 00-0012	LF	60" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers	192.54	12.74
		<i>For 4' Post Spacing, Add</i>	32.92	
		<i>For Balconies, Add</i>	13.20	

05 73 23 00-0013 Remove And Reinstall Ornamental Railing (05 73 23)

05 73 23 00-0014	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	73.59	
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05 75 Decorative Formed Metal (05 70)

05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 Metals

05 70 Decorative Metal

05 75 Decorative Formed Metal

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	17.90	1.54
	For Zinc-Tin Coated Copper, Add	3.64	
	For >16 To 200, Deduct	-1.01	
	For >200 To 500, Deduct	-2.02	
	For >500, Deduct	-2.92	
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	22.34	1.73
	For Zinc-Tin Coated Copper, Add	4.72	
	For >16 To 200, Deduct	-1.25	
	For >200 To 500, Deduct	-2.49	
	For >500, Deduct	-3.61	
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	24.45	1.86
	For Zinc-Tin Coated Copper, Add	5.19	
	For >16 To 200, Deduct	-1.36	
	For >200 To 500, Deduct	-2.72	
	For >500, Deduct	-3.95	
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	26.41	1.95
	For Zinc-Tin Coated Copper, Add	5.65	
	For >16 To 200, Deduct	-1.47	
	For >200 To 500, Deduct	-2.93	
	For >500, Deduct	-4.25	
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	30.11	2.04
	For Zinc-Tin Coated Copper, Add	6.59	
	For >16 To 200, Deduct	-1.66	
	For >200 To 500, Deduct	-3.32	
	For >500, Deduct	-4.82	
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	38.13	2.13
	For Zinc-Tin Coated Copper, Add	8.72	
	For >16 To 200, Deduct	-2.07	
	For >200 To 500, Deduct	-4.13	
	For >500, Deduct	-6.04	
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	44.68	2.23
	For Zinc-Tin Coated Copper, Add	10.45	
	For >16 To 200, Deduct	-2.40	
	For >200 To 500, Deduct	-4.80	
	For >500, Deduct	-7.04	
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	54.09	2.41
	For Zinc-Tin Coated Copper, Add	12.88	
	For >16 To 200, Deduct	-2.89	
	For >200 To 500, Deduct	-5.77	
	For >500, Deduct	-8.48	
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls	66.44	2.59
	For Zinc-Tin Coated Copper, Add	16.12	
	For >16 To 200, Deduct	-3.52	
	For >200 To 500, Deduct	-7.03	
	For >500, Deduct	-10.36	
05 75 00 00-0012	SF 0.125" Thick Copper Sheet, Installed On Walls	97.55	2.79
	For Zinc-Tin Coated Copper, Add	24.52	
	For >16 To 200, Deduct	-5.09	
	For >200 To 500, Deduct	-10.17	
	For >500, Deduct	-15.05	
05 75 00 00-0013	Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0014	SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	10.80	1.78
	For >16 To 200, Deduct	-0.67	
	For >200 To 500, Deduct	-1.35	
	For >500, Deduct	-1.89	
05 75 00 00-0015	SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	12.21	1.92
	For >16 To 200, Deduct	-0.75	
	For >200 To 500, Deduct	-1.51	
	For >500, Deduct	-2.12	
05 75 00 00-0016	SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	13.28	2.02
	For >16 To 200, Deduct	-0.82	
	For >200 To 500, Deduct	-1.63	
	For >500, Deduct	-2.30	
05 75 00 00-0017	SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.51	2.11
	For >16 To 200, Deduct	-0.93	
	For >200 To 500, Deduct	-1.87	
	For >500, Deduct	-2.64	
05 75 00 00-0018	SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.68	2.21
	For >16 To 200, Deduct	-1.05	
	For >200 To 500, Deduct	-2.10	
	For >500, Deduct	-2.98	
05 75 00 00-0019	SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.43	2.31
	For >16 To 200, Deduct	-1.19	
	For >200 To 500, Deduct	-2.39	
	For >500, Deduct	-3.41	
05 75 00 00-0020	SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	29.28	2.69
	For >16 To 200, Deduct	-1.67	
	For >200 To 500, Deduct	-3.33	
	For >500, Deduct	-4.80	
05 75 00 00-0021	SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	39.47	2.85
	For >16 To 200, Deduct	-2.19	
	For >200 To 500, Deduct	-4.38	
	For >500, Deduct	-6.35	
05 75 00 00-0022	SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	53.96	3.46
	For >16 To 200, Deduct	-2.96	
	For >200 To 500, Deduct	-5.92	
	For >500, Deduct	-8.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 75 00 00-0023	SF		3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	89.88 -4.77 -9.54 -14.04	3.71
05 75 00 00-0024	SF		1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	114.92 -6.07 -12.14 -17.89	4.32
05 75 00 00-0025 Aluminum Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>					
Note: Includes field fabrication.					
05 75 00 00-0026	SF		0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	7.54 -0.49 -0.99 -1.36	1.54
05 75 00 00-0027	SF		0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	8.58 -0.56 -1.12 -1.55	1.73
05 75 00 00-0028	SF		0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	9.58 -0.62 -1.24 -1.72	1.86
05 75 00 00-0029	SF		0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	10.65 -0.68 -1.36 -1.89	1.95
05 75 00 00-0030	SF		0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	11.71 -0.74 -1.48 -2.06	2.04
05 75 00 00-0031	SF		0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	12.86 -0.80 -1.61 -2.25	2.13
05 75 00 00-0032	SF		0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	14.30 -0.88 -1.76 -2.48	2.23
05 75 00 00-0033	SF		0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	17.03 -1.05 -2.09 -2.95	2.59
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>					
Note: Includes field fabrication.					
05 75 00 00-0035	SF		0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	7.56 -0.49 -0.99 -1.37	1.54
05 75 00 00-0036	SF		0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	8.37 -0.55 -1.10 -1.51	1.73
05 75 00 00-0037	SF		0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	8.86 -0.58 -1.17 -1.61	1.86
05 75 00 00-0038	SF		0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	9.43 -0.62 -1.24 -1.71	1.95
05 75 00 00-0039	SF		0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	10.24 -0.67 -1.33 -1.84	2.04
05 75 00 00-0040	SF		0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	11.10 -0.72 -1.43 -1.99	2.13
05 75 00 00-0041	SF		0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	12.59 -0.80 -1.59 -2.22	2.23
05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	14.64 -0.91 -1.83 -2.56	2.41
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls..... <i>For >16 To 200, Deduct</i> <i>For >200 To 500, Deduct</i> <i>For >500, Deduct</i>	16.88 -1.05 -2.11 -2.95	2.79
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>					
Note: Includes field fabrication.					

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	8.36	1.47
		<i>For >16 To 200, Deduct</i>	-0.56	
		<i>For >200 To 500, Deduct</i>	-1.13	
		<i>For >500, Deduct</i>	-1.55	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	9.64	1.65
		<i>For >16 To 200, Deduct</i>	-0.65	
		<i>For >200 To 500, Deduct</i>	-1.30	
		<i>For >500, Deduct</i>	-1.78	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	10.91	1.84
		<i>For >16 To 200, Deduct</i>	-0.73	
		<i>For >200 To 500, Deduct</i>	-1.46	
		<i>For >500, Deduct</i>	-2.01	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	12.04	1.99
		<i>For >16 To 200, Deduct</i>	-0.80	
		<i>For >200 To 500, Deduct</i>	-1.60	
		<i>For >500, Deduct</i>	-2.20	

END OF SECTION 05

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

06 Wood, Plastics, and Composites

06 05 Common Work Results for Wood, Plastics, and Composites (06)

06 05 23 Wood, Plastic, and Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt	10.91	
	For >10 To 50, Deduct	-0.28	
	For >50 To 100, Deduct	-0.69	
	For >100 To 250, Deduct	-1.39	
	For >250 To 500, Deduct	-2.36	
	For >500, Deduct	-3.34	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	15.23	
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.84	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.95	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	17.09	
	For >10 To 50, Deduct	-0.30	
	For >50 To 100, Deduct	-0.88	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.95	
	For >500, Deduct	-4.13	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt	35.54	
	For >10 To 50, Deduct	-0.41	
	For >50 To 100, Deduct	-1.51	
	For >100 To 250, Deduct	-3.02	
	For >250 To 500, Deduct	-4.95	
	For >500, Deduct	-6.87	

06 05 23 00-0006 Framing Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0007	EA 1-7/16" x 2-1/2" Galvanized Framing Angle Anchor (Simpson A34)	5.28	2.36
	For >10 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-0.47	
	For >100 To 250, Deduct	-0.94	
	For >250 To 500, Deduct	-1.63	
	For >500, Deduct	-2.33	

06 05 23 00-0008 Joist And Beam Hangers (06 05 23)

Note: Including nails.

06 05 23 00-0009	EA 18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	5.31	2.20
	For >10 To 50, Deduct	-0.23	
	For >50 To 100, Deduct	-0.47	
	For >100 To 250, Deduct	-0.94	
	For >250 To 500, Deduct	-1.64	
	For >500, Deduct	-2.33	
06 05 23 00-0010	EA 18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	6.24	2.20
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.51	
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.78	
	For >500, Deduct	-2.53	
06 05 23 00-0011	EA 16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	8.51	2.20
	For >10 To 50, Deduct	-0.25	
	For >50 To 100, Deduct	-0.58	
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.99	
	For >500, Deduct	-2.82	
06 05 23 00-0012	EA 16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	8.74	2.20
	For >10 To 50, Deduct	-0.25	
	For >50 To 100, Deduct	-0.59	
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.85	
06 05 23 00-0013	EA 14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	8.75	2.28
	For >10 To 50, Deduct	-0.25	
	For >50 To 100, Deduct	-0.60	
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-2.05	
	For >500, Deduct	-2.91	
06 05 23 00-0014	EA 14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	9.36	2.28
	For >10 To 50, Deduct	-0.25	
	For >50 To 100, Deduct	-0.62	
	For >100 To 250, Deduct	-1.23	
	For >250 To 500, Deduct	-2.10	
	For >500, Deduct	-2.97	

06 05 23 00-0015 Anchor And Ties (06 05 23)

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			Note: Including nails.		
06 05 23 00-0016	EA		Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS).....	40.90	
06 05 23 00-0017	EA		12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4)	26.39	
06 05 23 00-0018	EA		16" Heavy Tension Tie (Simpson Strong Tie® HTT5)	38.74	
06 05 23 00-0019	EA		2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS).....	3.32	
06 05 23 00-0020			Hurricane Clips <small>(06 05 23)</small>		
06 05 23 00-0021	EA		18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A)	2.33	
06 05 23 00-0022	EA		18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS)	6.42	
06 05 23 00-0023	EA		Hurricane Strap (Simpson Strong Tie® H6).....	9.87	
06 05 23 00-0024			Post Framing <small>(06 05 23)</small>		
			Note: Including nails.		
06 05 23 00-0025	EA		16 Gauge Post Framing With 4" x 4" Base	11.91	2.76
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.62	
06 05 23 00-0026	EA		16 Gauge Post Framing With 4" x 4" Cap	9.60	2.76
			<i>For >10 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-3.38	
06 05 23 00-0027			Rafter Anchors <small>(06 05 23)</small>		
06 05 23 00-0028	EA		1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	5.85	2.44
			<i>For >10 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-1.93	
			<i>For >500, Deduct</i>	-2.76	
06 05 23 00-0029	EA		1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	6.10	2.44
			<i>For >10 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.56	
			<i>For >100 To 250, Deduct</i>	-1.12	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.78	
06 05 23 00-0030	EA		Galvanized Rigid Rafter Connector, For 2" x 6"	7.79	2.44
			<i>For >10 To 50, Deduct</i>	-0.27	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.95	
06 05 23 00-0031			Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0032			Carriage Bolts <small>(06 05 23 00-0031)</small>		
			Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0033			Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0032)</small>		
06 05 23 00-0034	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.62	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.03	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-3.61	
			<i>For >500, Deduct</i>	-5.15	
06 05 23 00-0035	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.79	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-3.62	
			<i>For >500, Deduct</i>	-5.17	
06 05 23 00-0036	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	10.89	
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 500, Deduct</i>	-3.63	
			<i>For >500, Deduct</i>	-5.18	
06 05 23 00-0037	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	12.78	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100 To 250, Deduct</i>	-2.41	
			<i>For >250 To 500, Deduct</i>	-4.21	
			<i>For >500, Deduct</i>	-6.00	
06 05 23 00-0038	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	11.86	
			<i>For >10 To 50, Deduct</i>	-0.55	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-3.92	
			<i>For >500, Deduct</i>	-5.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.93	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.21	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-4.22	
For >500, Deduct	-6.02	
06 05 23 00-0040 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	13.20	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.22	
For >100 To 250, Deduct	-2.43	
For >250 To 500, Deduct	-4.24	
For >500, Deduct	-6.04	
06 05 23 00-0041 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	15.77	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.46	
For >100 To 250, Deduct	-2.92	
For >250 To 500, Deduct	-5.08	
For >500, Deduct	-7.25	
06 05 23 00-0042 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.37	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.56	
For >100 To 250, Deduct	-3.11	
For >250 To 500, Deduct	-5.42	
For >500, Deduct	-7.73	
06 05 23 00-0043 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	19.76	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.73	
For >100 To 250, Deduct	-3.47	
For >250 To 500, Deduct	-6.03	
For >500, Deduct	-8.59	
06 05 23 00-0044 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	13.51	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.22	
For >100 To 250, Deduct	-2.45	
For >250 To 500, Deduct	-4.26	
For >500, Deduct	-6.08	
06 05 23 00-0045 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	15.01	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.32	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-4.59	
For >500, Deduct	-6.55	
06 05 23 00-0046 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	16.02	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.40	
For >100 To 250, Deduct	-2.81	
For >250 To 500, Deduct	-4.88	
For >500, Deduct	-6.96	
06 05 23 00-0047 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.99	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.15	
For >250 To 500, Deduct	-5.47	
For >500, Deduct	-7.79	
06 05 23 00-0048 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.29	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.83	
For >100 To 250, Deduct	-3.66	
For >250 To 500, Deduct	-6.36	
For >500, Deduct	-9.06	
06 05 23 00-0049 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	24.14	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.02	
For >100 To 250, Deduct	-4.04	
For >250 To 500, Deduct	-7.01	
For >500, Deduct	-9.97	
06 05 23 00-0050 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	19.58	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.55	
For >100 To 250, Deduct	-3.11	
For >250 To 500, Deduct	-5.37	
For >500, Deduct	-7.63	
06 05 23 00-0051 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.46	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.66	
For >100 To 250, Deduct	-3.32	
For >250 To 500, Deduct	-5.73	
For >500, Deduct	-8.13	
06 05 23 00-0052 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	26.06	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.95	
For >100 To 250, Deduct	-3.90	
For >250 To 500, Deduct	-6.72	
For >500, Deduct	-9.54	
06 05 23 00-0053 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	30.08	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-2.11	
For >100 To 250, Deduct	-4.22	
For >250 To 500, Deduct	-7.24	
For >500, Deduct	-10.26	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0054	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.65
		<i>For >10 To 50, Deduct</i>	-0.98
		<i>For >50 To 100, Deduct</i>	-2.29
		<i>For >100 To 250, Deduct</i>	-4.59
		<i>For >250 To 500, Deduct</i>	-7.86
		<i>For >500, Deduct</i>	-11.14
06 05 23 00-0055	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.06
		<i>For >10 To 50, Deduct</i>	-1.02
		<i>For >50 To 100, Deduct</i>	-2.36
		<i>For >100 To 250, Deduct</i>	-4.73
		<i>For >250 To 500, Deduct</i>	-8.11
		<i>For >500, Deduct</i>	-11.50
06 05 23 00-0056 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0032)			
06 05 23 00-0057	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	10.92
		<i>For >10 To 50, Deduct</i>	-0.51
		<i>For >50 To 100, Deduct</i>	-1.04
		<i>For >100 To 250, Deduct</i>	-2.08
		<i>For >250 To 500, Deduct</i>	-3.63
		<i>For >500, Deduct</i>	-5.18
06 05 23 00-0058	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.24
		<i>For >10 To 50, Deduct</i>	-0.51
		<i>For >50 To 100, Deduct</i>	-1.05
		<i>For >100 To 250, Deduct</i>	-2.10
		<i>For >250 To 500, Deduct</i>	-3.66
		<i>For >500, Deduct</i>	-5.22
06 05 23 00-0059	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	11.59
		<i>For >10 To 50, Deduct</i>	-0.51
		<i>For >50 To 100, Deduct</i>	-1.06
		<i>For >100 To 250, Deduct</i>	-2.11
		<i>For >250 To 500, Deduct</i>	-3.68
		<i>For >500, Deduct</i>	-5.25
06 05 23 00-0060	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.96
		<i>For >10 To 50, Deduct</i>	-0.59
		<i>For >50 To 100, Deduct</i>	-1.23
		<i>For >100 To 250, Deduct</i>	-2.47
		<i>For >250 To 500, Deduct</i>	-4.29
		<i>For >500, Deduct</i>	-6.12
06 05 23 00-0061	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.29
		<i>For >10 To 50, Deduct</i>	-0.55
		<i>For >50 To 100, Deduct</i>	-1.13
		<i>For >100 To 250, Deduct</i>	-2.27
		<i>For >250 To 500, Deduct</i>	-3.95
		<i>For >500, Deduct</i>	-5.64
06 05 23 00-0062	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.59
		<i>For >10 To 50, Deduct</i>	-0.59
		<i>For >50 To 100, Deduct</i>	-1.23
		<i>For >100 To 250, Deduct</i>	-2.45
		<i>For >250 To 500, Deduct</i>	-4.27
		<i>For >500, Deduct</i>	-6.08
06 05 23 00-0063	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.98
		<i>For >10 To 50, Deduct</i>	-0.59
		<i>For >50 To 100, Deduct</i>	-1.24
		<i>For >100 To 250, Deduct</i>	-2.47
		<i>For >250 To 500, Deduct</i>	-4.30
		<i>For >500, Deduct</i>	-6.12
06 05 23 00-0064	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.95
		<i>For >10 To 50, Deduct</i>	-0.71
		<i>For >50 To 100, Deduct</i>	-1.49
		<i>For >100 To 250, Deduct</i>	-2.97
		<i>For >250 To 500, Deduct</i>	-5.17
		<i>For >500, Deduct</i>	-7.37
06 05 23 00-0065	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.70
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.59
		<i>For >100 To 250, Deduct</i>	-3.18
		<i>For >250 To 500, Deduct</i>	-5.52
		<i>For >500, Deduct</i>	-7.86
06 05 23 00-0066	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.99
		<i>For >10 To 50, Deduct</i>	-0.83
		<i>For >50 To 100, Deduct</i>	-1.77
		<i>For >100 To 250, Deduct</i>	-3.53
		<i>For >250 To 500, Deduct</i>	-6.12
		<i>For >500, Deduct</i>	-8.72
06 05 23 00-0067	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.50
		<i>For >10 To 50, Deduct</i>	-0.59
		<i>For >50 To 100, Deduct</i>	-1.25
		<i>For >100 To 250, Deduct</i>	-2.50
		<i>For >250 To 500, Deduct</i>	-4.34
		<i>For >500, Deduct</i>	-6.17
06 05 23 00-0068	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.79
		<i>For >10 To 50, Deduct</i>	-0.63
		<i>For >50 To 100, Deduct</i>	-1.34
		<i>For >100 To 250, Deduct</i>	-2.68
		<i>For >250 To 500, Deduct</i>	-4.65
		<i>For >500, Deduct</i>	-6.62

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0069	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.95	
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.43	
		For >100 To 250, Deduct	-2.86	
		For >250 To 500, Deduct	-4.95	
		For >500, Deduct	-7.05	
06 05 23 00-0070	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.33	
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.61	
		For >100 To 250, Deduct	-3.21	
		For >250 To 500, Deduct	-5.57	
		For >500, Deduct	-7.92	
06 05 23 00-0071	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.61	
		For >10 To 50, Deduct	-0.87	
		For >50 To 100, Deduct	-1.87	
		For >100 To 250, Deduct	-3.73	
		For >250 To 500, Deduct	-6.46	
		For >500, Deduct	-9.19	
06 05 23 00-0072	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.15	
		For >10 To 50, Deduct	-0.95	
		For >50 To 100, Deduct	-2.05	
		For >100 To 250, Deduct	-4.09	
		For >250 To 500, Deduct	-7.08	
		For >500, Deduct	-10.08	
06 05 23 00-0073	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.57	
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.63	
		For >100 To 250, Deduct	-3.26	
		For >250 To 500, Deduct	-5.59	
		For >500, Deduct	-7.93	
06 05 23 00-0074	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.55	
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.71	
		For >100 To 250, Deduct	-3.42	
		For >250 To 500, Deduct	-5.88	
		For >500, Deduct	-8.34	
06 05 23 00-0075	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.55	
		For >10 To 50, Deduct	-0.87	
		For >50 To 100, Deduct	-1.99	
		For >100 To 250, Deduct	-3.98	
		For >250 To 500, Deduct	-6.83	
		For >500, Deduct	-9.69	
06 05 23 00-0076	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.96	
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.11	
		For >100 To 250, Deduct	-4.22	
		For >250 To 500, Deduct	-7.23	
		For >500, Deduct	-10.24	
06 05 23 00-0077	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.57	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.34	
		For >100 To 250, Deduct	-4.68	
		For >250 To 500, Deduct	-8.01	
		For >500, Deduct	-11.33	
06 05 23 00-0078	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.08	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.46	
		For >100 To 250, Deduct	-4.93	
		For >250 To 500, Deduct	-8.41	
		For >500, Deduct	-11.90	

06 05 23 00-0079 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0032)

06 05 23 00-0080	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	11.60	
		For >10 To 50, Deduct	-0.51	
		For >50 To 100, Deduct	-1.06	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-3.68	
		For >500, Deduct	-5.25	
06 05 23 00-0081	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	13.10	
		For >10 To 50, Deduct	-0.51	
		For >50 To 100, Deduct	-1.09	
		For >100 To 250, Deduct	-2.19	
		For >250 To 500, Deduct	-3.80	
		For >500, Deduct	-5.40	
06 05 23 00-0082	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	14.09	
		For >10 To 50, Deduct	-0.51	
		For >50 To 100, Deduct	-1.12	
		For >100 To 250, Deduct	-2.24	
		For >250 To 500, Deduct	-3.87	
		For >500, Deduct	-5.50	
06 05 23 00-0083	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.25	
		For >10 To 50, Deduct	-0.59	
		For >50 To 100, Deduct	-1.54	
		For >100 To 250, Deduct	-3.08	
		For >250 To 500, Deduct	-5.22	
		For >500, Deduct	-7.35	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0084	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	13.78	
		<i>For >10 To 50, Deduct</i>	-0.55	
		<i>For >50 To 100, Deduct</i>	-1.17	
		<i>For >100 To 250, Deduct</i>	-2.34	
		<i>For >250 To 500, Deduct</i>	-4.06	
		<i>For >500, Deduct</i>	-5.79	
06 05 23 00-0085	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	16.75	
		<i>For >10 To 50, Deduct</i>	-0.59	
		<i>For >50 To 100, Deduct</i>	-1.30	
		<i>For >100 To 250, Deduct</i>	-2.61	
		<i>For >250 To 500, Deduct</i>	-4.50	
		<i>For >500, Deduct</i>	-6.40	
06 05 23 00-0086	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.22	
		<i>For >10 To 50, Deduct</i>	-0.59	
		<i>For >50 To 100, Deduct</i>	-1.32	
		<i>For >100 To 250, Deduct</i>	-2.63	
		<i>For >250 To 500, Deduct</i>	-4.54	
		<i>For >500, Deduct</i>	-6.45	
06 05 23 00-0087	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	35.26	
		<i>For >10 To 50, Deduct</i>	-0.71	
		<i>For >50 To 100, Deduct</i>	-1.95	
		<i>For >100 To 250, Deduct</i>	-3.89	
		<i>For >250 To 500, Deduct</i>	-6.54	
		<i>For >500, Deduct</i>	-9.20	
06 05 23 00-0088	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	43.87	
		<i>For >10 To 50, Deduct</i>	-0.75	
		<i>For >50 To 100, Deduct</i>	-2.22	
		<i>For >100 To 250, Deduct</i>	-4.44	
		<i>For >250 To 500, Deduct</i>	-7.41	
		<i>For >500, Deduct</i>	-10.38	
06 05 23 00-0089	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	49.24	
		<i>For >10 To 50, Deduct</i>	-0.83	
		<i>For >50 To 100, Deduct</i>	-2.47	
		<i>For >100 To 250, Deduct</i>	-4.94	
		<i>For >250 To 500, Deduct</i>	-8.24	
		<i>For >500, Deduct</i>	-11.54	
06 05 23 00-0090	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	18.51	
		<i>For >10 To 50, Deduct</i>	-0.59	
		<i>For >50 To 100, Deduct</i>	-1.35	
		<i>For >100 To 250, Deduct</i>	-2.70	
		<i>For >250 To 500, Deduct</i>	-4.64	
		<i>For >500, Deduct</i>	-6.58	
06 05 23 00-0091	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	21.40	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.48	
		<i>For >100 To 250, Deduct</i>	-2.96	
		<i>For >250 To 500, Deduct</i>	-5.07	
		<i>For >500, Deduct</i>	-7.18	
06 05 23 00-0092	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	26.74	
		<i>For >10 To 50, Deduct</i>	-0.67	
		<i>For >50 To 100, Deduct</i>	-1.67	
		<i>For >100 To 250, Deduct</i>	-3.35	
		<i>For >250 To 500, Deduct</i>	-5.69	
		<i>For >500, Deduct</i>	-8.03	
06 05 23 00-0093	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	45.25	
		<i>For >10 To 50, Deduct</i>	-0.75	
		<i>For >50 To 100, Deduct</i>	-2.25	
		<i>For >100 To 250, Deduct</i>	-4.51	
		<i>For >250 To 500, Deduct</i>	-7.51	
		<i>For >500, Deduct</i>	-10.51	
06 05 23 00-0094	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	50.93	
		<i>For >10 To 50, Deduct</i>	-0.87	
		<i>For >50 To 100, Deduct</i>	-2.57	
		<i>For >100 To 250, Deduct</i>	-5.15	
		<i>For >250 To 500, Deduct</i>	-8.59	
		<i>For >500, Deduct</i>	-12.03	
06 05 23 00-0095	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	83.54	
		<i>For >10 To 50, Deduct</i>	-0.95	
		<i>For >50 To 100, Deduct</i>	-3.51	
		<i>For >100 To 250, Deduct</i>	-7.01	
		<i>For >250 To 500, Deduct</i>	-11.46	
		<i>For >500, Deduct</i>	-15.91	
06 05 23 00-0096	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	64.76	
		<i>For >10 To 50, Deduct</i>	-0.75	
		<i>For >50 To 100, Deduct</i>	-2.74	
		<i>For >100 To 250, Deduct</i>	-5.48	
		<i>For >250 To 500, Deduct</i>	-8.97	
		<i>For >500, Deduct</i>	-12.46	
06 05 23 00-0097	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	93.37	
		<i>For >10 To 50, Deduct</i>	-0.87	
		<i>For >50 To 100, Deduct</i>	-3.63	
		<i>For >100 To 250, Deduct</i>	-7.27	
		<i>For >250 To 500, Deduct</i>	-11.77	
		<i>For >500, Deduct</i>	-16.27	
06 05 23 00-0098	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	103.94	
		<i>For >10 To 50, Deduct</i>	-0.91	
		<i>For >50 To 100, Deduct</i>	-3.96	
		<i>For >100 To 250, Deduct</i>	-7.92	
		<i>For >250 To 500, Deduct</i>	-12.78	
		<i>For >500, Deduct</i>	-17.64	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

06 05 23 00-0099	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	156.46	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-5.39	
		For >100 To 250, Deduct	-10.78	
		For >250 To 500, Deduct	-17.15	
		For >500, Deduct	-23.52	
06 05 23 00-0100	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	164.69	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-5.65	
		For >100 To 250, Deduct	-11.31	
		For >250 To 500, Deduct	-17.98	
		For >500, Deduct	-24.66	

06 05 23 00-0101 316 Stainless Steel, Carriage Bolts (06 05 23 00-0032)

06 05 23 00-0102	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	18.54	
		For >10 To 50, Deduct	-0.51	
		For >50 To 100, Deduct	-1.23	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-4.20	
		For >500, Deduct	-5.95	
06 05 23 00-0103	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	21.18	
		For >10 To 50, Deduct	-0.51	
		For >50 To 100, Deduct	-1.30	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-4.40	
		For >500, Deduct	-6.21	
06 05 23 00-0104	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	22.86	
		For >10 To 50, Deduct	-0.55	
		For >50 To 100, Deduct	-1.40	
		For >100 To 250, Deduct	-2.80	
		For >250 To 500, Deduct	-4.75	
		For >500, Deduct	-6.69	
06 05 23 00-0105	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	27.31	
		For >10 To 50, Deduct	-0.59	
		For >50 To 100, Deduct	-1.57	
		For >100 To 250, Deduct	-3.14	
		For >250 To 500, Deduct	-5.30	
		For >500, Deduct	-7.46	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	39.04	
		For >10 To 50, Deduct	-0.59	
		For >50 To 100, Deduct	-1.86	
		For >100 To 250, Deduct	-3.72	
		For >250 To 500, Deduct	-6.18	
		For >500, Deduct	-8.63	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	42.69	
		For >10 To 50, Deduct	-0.63	
		For >50 To 100, Deduct	-2.01	
		For >100 To 250, Deduct	-4.03	
		For >250 To 500, Deduct	-6.67	
		For >500, Deduct	-9.31	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	46.09	
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-2.16	
		For >100 To 250, Deduct	-4.31	
		For >250 To 500, Deduct	-7.14	
		For >500, Deduct	-9.97	

06 05 23 00-0109 Hex Lag Bolts (06 05 23 00-0031)

Note: Includes drilling of holes in any material.

06 05 23 00-0110 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0109)

06 05 23 00-0111	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.08	
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-0.99	
		For >100 To 250, Deduct	-1.98	
		For >250 To 500, Deduct	-3.46	
		For >500, Deduct	-4.94	
06 05 23 00-0112	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.22	
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-0.99	
		For >100 To 250, Deduct	-1.99	
		For >250 To 500, Deduct	-3.47	
		For >500, Deduct	-4.96	
06 05 23 00-0113	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.52	
		For >10 To 50, Deduct	-0.49	
		For >50 To 100, Deduct	-1.00	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-3.50	
		For >500, Deduct	-4.99	
06 05 23 00-0114	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.18	
		For >10 To 50, Deduct	-0.54	
		For >50 To 100, Deduct	-1.08	
		For >100 To 250, Deduct	-2.17	
		For >250 To 500, Deduct	-3.79	
		For >500, Deduct	-5.41	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0115	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.24
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.17
		<i>For >100 To 250, Deduct</i>	-2.34
		<i>For >250 To 500, Deduct</i>	-4.08
		<i>For >500, Deduct</i>	-5.82
06 05 23 00-0116	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.57
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.18
		<i>For >100 To 250, Deduct</i>	-2.35
		<i>For >250 To 500, Deduct</i>	-4.11
		<i>For >500, Deduct</i>	-5.86
06 05 23 00-0117	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.54
		<i>For >10 To 50, Deduct</i>	-0.69
		<i>For >50 To 100, Deduct</i>	-1.42
		<i>For >100 To 250, Deduct</i>	-2.85
		<i>For >250 To 500, Deduct</i>	-4.96
		<i>For >500, Deduct</i>	-7.07
06 05 23 00-0118	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.49
		<i>For >10 To 50, Deduct</i>	-0.73
		<i>For >50 To 100, Deduct</i>	-1.50
		<i>For >100 To 250, Deduct</i>	-3.01
		<i>For >250 To 500, Deduct</i>	-5.24
		<i>For >500, Deduct</i>	-7.47
06 05 23 00-0119	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.54
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.18
		<i>For >100 To 250, Deduct</i>	-2.37
		<i>For >250 To 500, Deduct</i>	-4.13
		<i>For >500, Deduct</i>	-5.89
06 05 23 00-0120	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.78
		<i>For >10 To 50, Deduct</i>	-0.62
		<i>For >50 To 100, Deduct</i>	-1.27
		<i>For >100 To 250, Deduct</i>	-2.54
		<i>For >250 To 500, Deduct</i>	-4.43
		<i>For >500, Deduct</i>	-6.32
06 05 23 00-0121	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.16
		<i>For >10 To 50, Deduct</i>	-0.66
		<i>For >50 To 100, Deduct</i>	-1.36
		<i>For >100 To 250, Deduct</i>	-2.73
		<i>For >250 To 500, Deduct</i>	-4.75
		<i>For >500, Deduct</i>	-6.76
06 05 23 00-0122	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.41
		<i>For >10 To 50, Deduct</i>	-0.73
		<i>For >50 To 100, Deduct</i>	-1.54
		<i>For >100 To 250, Deduct</i>	-3.07
		<i>For >250 To 500, Deduct</i>	-5.34
		<i>For >500, Deduct</i>	-7.61
06 05 23 00-0123	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.68
		<i>For >10 To 50, Deduct</i>	-0.85
		<i>For >50 To 100, Deduct</i>	-1.79
		<i>For >100 To 250, Deduct</i>	-3.58
		<i>For >250 To 500, Deduct</i>	-6.22
		<i>For >500, Deduct</i>	-8.86
06 05 23 00-0124	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.57
		<i>For >10 To 50, Deduct</i>	-0.93
		<i>For >50 To 100, Deduct</i>	-1.95
		<i>For >100 To 250, Deduct</i>	-3.91
		<i>For >250 To 500, Deduct</i>	-6.79
		<i>For >500, Deduct</i>	-9.67
06 05 23 00-0125	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.41
		<i>For >10 To 50, Deduct</i>	-0.73
		<i>For >50 To 100, Deduct</i>	-1.59
		<i>For >100 To 250, Deduct</i>	-3.17
		<i>For >250 To 500, Deduct</i>	-5.49
		<i>For >500, Deduct</i>	-7.81
06 05 23 00-0126	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.45
		<i>For >10 To 50, Deduct</i>	-0.85
		<i>For >50 To 100, Deduct</i>	-1.86
		<i>For >100 To 250, Deduct</i>	-3.72
		<i>For >250 To 500, Deduct</i>	-6.43
		<i>For >500, Deduct</i>	-9.14
06 05 23 00-0127	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.50
		<i>For >10 To 50, Deduct</i>	-0.89
		<i>For >50 To 100, Deduct</i>	-1.99
		<i>For >100 To 250, Deduct</i>	-3.99
		<i>For >250 To 500, Deduct</i>	-6.87
		<i>For >500, Deduct</i>	-9.75
06 05 23 00-0128	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	30.13
		<i>For >10 To 50, Deduct</i>	-0.97
		<i>For >50 To 100, Deduct</i>	-2.20
		<i>For >100 To 250, Deduct</i>	-4.40
		<i>For >250 To 500, Deduct</i>	-7.57
		<i>For >500, Deduct</i>	-10.74
06 05 23 00-0129	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	34.55
		<i>For >10 To 50, Deduct</i>	-1.00
		<i>For >50 To 100, Deduct</i>	-2.37
		<i>For >100 To 250, Deduct</i>	-4.74
		<i>For >250 To 500, Deduct</i>	-8.11
		<i>For >500, Deduct</i>	-11.48

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

06 05 23 00-0130 Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0109)</small>			
06 05 23 00-0131	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.15	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-0.99	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-3.47	
	For >500, Deduct	-4.95	
06 05 23 00-0132	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.37	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-1.00	
	For >100 To 250, Deduct	-1.99	
	For >250 To 500, Deduct	-3.48	
	For >500, Deduct	-4.97	
06 05 23 00-0133	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.60	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-1.00	
	For >100 To 250, Deduct	-2.01	
	For >250 To 500, Deduct	-3.50	
	For >500, Deduct	-5.00	
06 05 23 00-0134	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.31	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.09	
	For >100 To 250, Deduct	-2.18	
	For >250 To 500, Deduct	-3.80	
	For >500, Deduct	-5.42	
06 05 23 00-0135	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.43	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.17	
	For >100 To 250, Deduct	-2.35	
	For >250 To 500, Deduct	-4.09	
	For >500, Deduct	-5.84	
06 05 23 00-0136	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.80	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.18	
	For >100 To 250, Deduct	-2.37	
	For >250 To 500, Deduct	-4.12	
	For >500, Deduct	-5.88	
06 05 23 00-0137	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.99	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.43	
	For >100 To 250, Deduct	-2.87	
	For >250 To 500, Deduct	-4.99	
	For >500, Deduct	-7.12	
06 05 23 00-0138	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.24	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.52	
	For >100 To 250, Deduct	-3.05	
	For >250 To 500, Deduct	-5.30	
	For >500, Deduct	-7.55	
06 05 23 00-0139	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.88	
	For >10 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.19	
	For >100 To 250, Deduct	-2.38	
	For >250 To 500, Deduct	-4.15	
	For >500, Deduct	-5.92	
06 05 23 00-0140	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.96	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.28	
	For >100 To 250, Deduct	-2.55	
	For >250 To 500, Deduct	-4.44	
	For >500, Deduct	-6.34	
06 05 23 00-0141	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.49	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.37	
	For >100 To 250, Deduct	-2.74	
	For >250 To 500, Deduct	-4.77	
	For >500, Deduct	-6.80	
06 05 23 00-0142	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.43	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.56	
	For >100 To 250, Deduct	-3.12	
	For >250 To 500, Deduct	-5.42	
	For >500, Deduct	-7.71	
06 05 23 00-0143	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.17	
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-1.80	
	For >100 To 250, Deduct	-3.61	
	For >250 To 500, Deduct	-6.26	
	For >500, Deduct	-8.91	
06 05 23 00-0144	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.78	
	For >10 To 50, Deduct	-0.93	
	For >50 To 100, Deduct	-1.98	
	For >100 To 250, Deduct	-3.97	
	For >250 To 500, Deduct	-6.88	
	For >500, Deduct	-9.79	
06 05 23 00-0145	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.16	
	For >10 To 50, Deduct	-0.73	
	For >50 To 100, Deduct	-1.60	
	For >100 To 250, Deduct	-3.21	
	For >250 To 500, Deduct	-5.55	
	For >500, Deduct	-7.88	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0146	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.13
		<i>For >10 To 50, Deduct</i>	-0.85
		<i>For >50 To 100, Deduct</i>	-1.88
		<i>For >100 To 250, Deduct</i>	-3.76
		<i>For >250 To 500, Deduct</i>	-6.48
		<i>For >500, Deduct</i>	-9.21
06 05 23 00-0147	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	27.63
		<i>For >10 To 50, Deduct</i>	-0.89
		<i>For >50 To 100, Deduct</i>	-2.02
		<i>For >100 To 250, Deduct</i>	-4.05
		<i>For >250 To 500, Deduct</i>	-6.96
		<i>For >500, Deduct</i>	-9.87
06 05 23 00-0148	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.81
		<i>For >10 To 50, Deduct</i>	-0.97
		<i>For >50 To 100, Deduct</i>	-2.27
		<i>For >100 To 250, Deduct</i>	-4.54
		<i>For >250 To 500, Deduct</i>	-7.77
		<i>For >500, Deduct</i>	-11.01
06 05 23 00-0149	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.42
		<i>For >10 To 50, Deduct</i>	-1.00
		<i>For >50 To 100, Deduct</i>	-2.44
		<i>For >100 To 250, Deduct</i>	-4.88
		<i>For >250 To 500, Deduct</i>	-8.33
		<i>For >500, Deduct</i>	-11.77

06 05 23 00-0150 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0109)

06 05 23 00-0151	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	10.78
		<i>For >10 To 50, Deduct</i>	-0.49
		<i>For >50 To 100, Deduct</i>	-1.01
		<i>For >100 To 250, Deduct</i>	-2.02
		<i>For >250 To 500, Deduct</i>	-3.51
		<i>For >500, Deduct</i>	-5.01
06 05 23 00-0152	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.49
		<i>For >10 To 50, Deduct</i>	-0.49
		<i>For >50 To 100, Deduct</i>	-1.03
		<i>For >100 To 250, Deduct</i>	-2.05
		<i>For >250 To 500, Deduct</i>	-3.57
		<i>For >500, Deduct</i>	-5.09
06 05 23 00-0153	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.40
		<i>For >10 To 50, Deduct</i>	-0.49
		<i>For >50 To 100, Deduct</i>	-1.07
		<i>For >100 To 250, Deduct</i>	-2.15
		<i>For >250 To 500, Deduct</i>	-3.71
		<i>For >500, Deduct</i>	-5.28
06 05 23 00-0154	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.14
		<i>For >10 To 50, Deduct</i>	-0.54
		<i>For >50 To 100, Deduct</i>	-1.13
		<i>For >100 To 250, Deduct</i>	-2.27
		<i>For >250 To 500, Deduct</i>	-3.94
		<i>For >500, Deduct</i>	-5.61
06 05 23 00-0155	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	14.98
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.24
		<i>For >100 To 250, Deduct</i>	-2.47
		<i>For >250 To 500, Deduct</i>	-4.29
		<i>For >500, Deduct</i>	-6.10
06 05 23 00-0156	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.20
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.27
		<i>For >100 To 250, Deduct</i>	-2.54
		<i>For >250 To 500, Deduct</i>	-4.38
		<i>For >500, Deduct</i>	-6.22
06 05 23 00-0157	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	35.53
		<i>For >10 To 50, Deduct</i>	-0.69
		<i>For >50 To 100, Deduct</i>	-1.92
		<i>For >100 To 250, Deduct</i>	-3.85
		<i>For >250 To 500, Deduct</i>	-6.46
		<i>For >500, Deduct</i>	-9.07
06 05 23 00-0158	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	51.19
		<i>For >10 To 50, Deduct</i>	-0.73
		<i>For >50 To 100, Deduct</i>	-2.37
		<i>For >100 To 250, Deduct</i>	-4.74
		<i>For >250 To 500, Deduct</i>	-7.84
		<i>For >500, Deduct</i>	-10.94
06 05 23 00-0159	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.33
		<i>For >10 To 50, Deduct</i>	-0.58
		<i>For >50 To 100, Deduct</i>	-1.28
		<i>For >100 To 250, Deduct</i>	-2.56
		<i>For >250 To 500, Deduct</i>	-4.41
		<i>For >500, Deduct</i>	-6.27
06 05 23 00-0160	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.64
		<i>For >10 To 50, Deduct</i>	-0.62
		<i>For >50 To 100, Deduct</i>	-1.42
		<i>For >100 To 250, Deduct</i>	-2.83
		<i>For >250 To 500, Deduct</i>	-4.87
		<i>For >500, Deduct</i>	-6.90

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

06 05 23 00-0161	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.82	
		For >10 To 50, Deduct	-0.66	
		For >50 To 100, Deduct	-1.60	
		For >100 To 250, Deduct	-3.21	
		For >250 To 500, Deduct	-5.47	
		For >500, Deduct	-7.73	
06 05 23 00-0162	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	54.76	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-2.47	
		For >100 To 250, Deduct	-4.94	
		For >250 To 500, Deduct	-8.14	
		For >500, Deduct	-11.34	
06 05 23 00-0163	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	75.32	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-3.16	
		For >100 To 250, Deduct	-6.31	
		For >250 To 500, Deduct	-10.32	
		For >500, Deduct	-14.33	
06 05 23 00-0164	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	88.33	
		For >10 To 50, Deduct	-0.93	
		For >50 To 100, Deduct	-3.60	
		For >100 To 250, Deduct	-7.20	
		For >250 To 500, Deduct	-11.72	
		For >500, Deduct	-16.25	
06 05 23 00-0165	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	82.61	
		For >10 To 50, Deduct	-0.73	
		For >50 To 100, Deduct	-3.17	
		For >100 To 250, Deduct	-6.33	
		For >250 To 500, Deduct	-10.23	
		For >500, Deduct	-14.13	
06 05 23 00-0166	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	94.38	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-3.63	
		For >100 To 250, Deduct	-7.27	
		For >250 To 500, Deduct	-11.75	
		For >500, Deduct	-16.23	
06 05 23 00-0167	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	98.18	
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-3.79	
		For >100 To 250, Deduct	-7.57	
		For >250 To 500, Deduct	-12.25	
		For >500, Deduct	-16.92	
06 05 23 00-0168	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	137.45	
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-4.88	
		For >100 To 250, Deduct	-9.77	
		For >250 To 500, Deduct	-15.62	
		For >500, Deduct	-21.47	
06 05 23 00-0169	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	150.23	
		For >10 To 50, Deduct	-1.00	
		For >50 To 100, Deduct	-5.26	
		For >100 To 250, Deduct	-10.52	
		For >250 To 500, Deduct	-16.79	
		For >500, Deduct	-23.05	

06 05 23 00-0170 Timber Bolts (06 05 23 00-0031)

Note: Includes drilling of holes in any material.

06 05 23 00-0171	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	25.92	
		For >10 To 50, Deduct	-0.82	
		For >50 To 100, Deduct	-1.88	
		For >100 To 250, Deduct	-3.75	
		For >250 To 500, Deduct	-6.45	
		For >500, Deduct	-9.14	
06 05 23 00-0172	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	29.31	
		For >10 To 50, Deduct	-0.92	
		For >50 To 100, Deduct	-2.11	
		For >100 To 250, Deduct	-4.22	
		For >250 To 500, Deduct	-7.24	
		For >500, Deduct	-10.26	
06 05 23 00-0173	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	31.69	
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.26	
		For >100 To 250, Deduct	-4.51	
		For >250 To 500, Deduct	-7.75	
		For >500, Deduct	-10.98	
06 05 23 00-0174	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	35.44	
		For >10 To 50, Deduct	-1.03	
		For >50 To 100, Deduct	-2.43	
		For >100 To 250, Deduct	-4.87	
		For >250 To 500, Deduct	-8.33	
		For >500, Deduct	-11.80	
06 05 23 00-0175	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	37.75	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.58	
		For >100 To 250, Deduct	-5.15	
		For >250 To 500, Deduct	-8.82	
		For >500, Deduct	-12.48	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA		5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	39.18	
			<i>For >10 To 50, Deduct</i>	-1.14	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100 To 250, Deduct</i>	-5.37	
			<i>For >250 To 500, Deduct</i>	-9.19	
			<i>For >500, Deduct</i>	-13.01	
06 05 23 00-0177	EA		3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	35.24	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-8.01	
			<i>For >500, Deduct</i>	-11.34	
06 05 23 00-0178	EA		3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921).....	36.88	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100 To 250, Deduct</i>	-4.89	
			<i>For >250 To 500, Deduct</i>	-8.36	
			<i>For >500, Deduct</i>	-11.82	
06 05 23 00-0179	EA		3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922).....	40.95	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.64	
			<i>For >100 To 250, Deduct</i>	-5.28	
			<i>For >250 To 500, Deduct</i>	-8.99	
			<i>For >500, Deduct</i>	-12.70	
06 05 23 00-0180	EA		3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923).....	44.02	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.80	
			<i>For >100 To 250, Deduct</i>	-5.60	
			<i>For >250 To 500, Deduct</i>	-9.52	
			<i>For >500, Deduct</i>	-13.45	
06 05 23 00-0181	EA		3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924).....	47.37	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.97	
			<i>For >100 To 250, Deduct</i>	-5.93	
			<i>For >250 To 500, Deduct</i>	-10.08	
			<i>For >500, Deduct</i>	-14.24	
06 05 23 00-0182			Supports <small>(06 05 23)</small>		
06 05 23 00-0183			Shear Plates <small>(06 05 23 00-0182)</small>		
06 05 23 00-0184	EA		2-5/8" Diameter, Shear Plate	9.21	2.92
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.49	
			<i>For >500, Deduct</i>	-3.55	
06 05 23 00-0185	EA		4" Diameter, Shear Plate	12.98	3.07
			<i>For >10 To 50, Deduct</i>	-0.34	
			<i>For >50 To 100, Deduct</i>	-0.84	
			<i>For >100 To 250, Deduct</i>	-1.68	
			<i>For >250 To 500, Deduct</i>	-2.86	
			<i>For >500, Deduct</i>	-4.04	
06 05 23 00-0186			Sill Anchors <small>(06 05 23 00-0182)</small>		
06 05 23 00-0187	EA		Sill Anchor Embedded In Concrete	7.57	3.07
			<i>For >10 To 50, Deduct</i>	-0.34	
			<i>For >50 To 100, Deduct</i>	-0.70	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-2.45	
			<i>For >500, Deduct</i>	-3.50	
06 05 23 00-0188			Spike Grids <small>(06 05 23 00-0182)</small>		
06 05 23 00-0189	EA		4" x 4" Flat Or Curved Spike Grid	7.51	2.92
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.68	
			<i>For >100 To 250, Deduct</i>	-1.36	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-3.38	
06 05 23 00-0190			Split Rings <small>(06 05 23 00-0182)</small>		
06 05 23 00-0191	EA		2-1/2" Diameter Split Ring.....	8.09	2.92
			<i>For >10 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.39	
			<i>For >250 To 500, Deduct</i>	-2.41	
			<i>For >500, Deduct</i>	-3.43	
06 05 23 00-0192	EA		4" Diameter Split Ring.....	9.72	3.23
			<i>For >10 To 50, Deduct</i>	-0.36	
			<i>For >50 To 100, Deduct</i>	-0.78	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-2.70	
			<i>For >500, Deduct</i>	-3.84	
06 05 23 00-0193			Toothed Rings <small>(06 05 23 00-0182)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0194	EA			2-5/8" Or 4" Toothed Ring.....	10.32	2.92
				<i>For >10 To 50, Deduct</i>	-0.33	
				<i>For >50 To 100, Deduct</i>	-0.75	
				<i>For >100 To 250, Deduct</i>	-1.50	
				<i>For >250 To 500, Deduct</i>	-2.58	
				<i>For >500, Deduct</i>	-3.66	

06 05 23 00-0195 Straps And Shields (06 05 23)

06 05 23 00-0196 Shield Plate (06 05 23 00-0195)

06 05 23 00-0197	EA			5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	6.24	
				<i>For >10 To 50, Deduct</i>	-0.05	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100 To 250, Deduct</i>	-0.41	
				<i>For >250 To 500, Deduct</i>	-0.71	
				<i>For >500, Deduct</i>	-1.08	
06 05 23 00-0198	EA			5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	9.58	
				<i>For >10 To 50, Deduct</i>	-0.06	
				<i>For >50 To 100, Deduct</i>	-0.30	
				<i>For >100 To 250, Deduct</i>	-0.60	
				<i>For >250 To 500, Deduct</i>	-1.01	
				<i>For >500, Deduct</i>	-1.50	

06 05 23 00-0199 Strap Ties (06 05 23 00-0195)

06 05 23 00-0200	EA			1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	2.28	
				<i>For >10 To 50, Deduct</i>	-0.04	
				<i>For >50 To 100, Deduct</i>	-0.10	
				<i>For >100 To 250, Deduct</i>	-0.19	
				<i>For >250 To 500, Deduct</i>	-0.37	
				<i>For >500, Deduct</i>	-0.59	
06 05 23 00-0201	EA			1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	2.35	
				<i>For >10 To 50, Deduct</i>	-0.04	
				<i>For >50 To 100, Deduct</i>	-0.10	
				<i>For >100 To 250, Deduct</i>	-0.20	
				<i>For >250 To 500, Deduct</i>	-0.37	
				<i>For >500, Deduct</i>	-0.60	
06 05 23 00-0202	EA			1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	3.14	
				<i>For >10 To 50, Deduct</i>	-0.05	
				<i>For >50 To 100, Deduct</i>	-0.13	
				<i>For >100 To 250, Deduct</i>	-0.26	
				<i>For >250 To 500, Deduct</i>	-0.48	
				<i>For >500, Deduct</i>	-0.77	
06 05 23 00-0203	EA			1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	3.34	
				<i>For >10 To 50, Deduct</i>	-0.05	
				<i>For >50 To 100, Deduct</i>	-0.13	
				<i>For >100 To 250, Deduct</i>	-0.27	
				<i>For >250 To 500, Deduct</i>	-0.50	
				<i>For >500, Deduct</i>	-0.79	
06 05 23 00-0204	EA			1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	3.51	
				<i>For >10 To 50, Deduct</i>	-0.05	
				<i>For >50 To 100, Deduct</i>	-0.14	
				<i>For >100 To 250, Deduct</i>	-0.27	
				<i>For >250 To 500, Deduct</i>	-0.51	
				<i>For >500, Deduct</i>	-0.80	
06 05 23 00-0205	EA			1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	4.08	
				<i>For >10 To 50, Deduct</i>	-0.06	
				<i>For >50 To 100, Deduct</i>	-0.16	
				<i>For >100 To 250, Deduct</i>	-0.32	
				<i>For >250 To 500, Deduct</i>	-0.60	
				<i>For >500, Deduct</i>	-0.95	
06 05 23 00-0206	EA			1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	4.56	
				<i>For >10 To 50, Deduct</i>	-0.06	
				<i>For >50 To 100, Deduct</i>	-0.17	
				<i>For >100 To 250, Deduct</i>	-0.35	
				<i>For >250 To 500, Deduct</i>	-0.64	
				<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0207	EA			1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	5.45	
				<i>For >10 To 50, Deduct</i>	-0.07	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100 To 250, Deduct</i>	-0.41	
				<i>For >250 To 500, Deduct</i>	-0.75	
				<i>For >500, Deduct</i>	-1.18	
06 05 23 00-0208	EA			1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	2.35	
				<i>For >10 To 50, Deduct</i>	-0.04	
				<i>For >50 To 100, Deduct</i>	-0.10	
				<i>For >100 To 250, Deduct</i>	-0.20	
				<i>For >250 To 500, Deduct</i>	-0.37	
				<i>For >500, Deduct</i>	-0.60	
06 05 23 00-0209	EA			1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	2.58	
				<i>For >10 To 50, Deduct</i>	-0.04	
				<i>For >50 To 100, Deduct</i>	-0.10	
				<i>For >100 To 250, Deduct</i>	-0.21	
				<i>For >250 To 500, Deduct</i>	-0.39	
				<i>For >500, Deduct</i>	-0.62	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0210	EA	1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15)	3.29
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.13
		<i>For >100 To 250, Deduct</i>	-0.26
		<i>For >250 To 500, Deduct</i>	-0.49
		<i>For >500, Deduct</i>	-0.78
06 05 23 00-0211	EA	1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18)	3.56
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.14
		<i>For >100 To 250, Deduct</i>	-0.28
		<i>For >250 To 500, Deduct</i>	-0.51
		<i>For >500, Deduct</i>	-0.81
06 05 23 00-0212	EA	1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21)	3.81
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.14
		<i>For >100 To 250, Deduct</i>	-0.29
		<i>For >250 To 500, Deduct</i>	-0.53
		<i>For >500, Deduct</i>	-0.83
06 05 23 00-0213	EA	1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24)	4.46
		<i>For >10 To 50, Deduct</i>	-0.06
		<i>For >50 To 100, Deduct</i>	-0.17
		<i>For >100 To 250, Deduct</i>	-0.34
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.99
06 05 23 00-0214	EA	1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30)	4.85
		<i>For >10 To 50, Deduct</i>	-0.06
		<i>For >50 To 100, Deduct</i>	-0.18
		<i>For >100 To 250, Deduct</i>	-0.36
		<i>For >250 To 500, Deduct</i>	-0.66
		<i>For >500, Deduct</i>	-1.03
06 05 23 00-0215	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36)	5.91
		<i>For >10 To 50, Deduct</i>	-0.07
		<i>For >50 To 100, Deduct</i>	-0.22
		<i>For >100 To 250, Deduct</i>	-0.43
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-1.23
06 05 23 00-0216	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49)	7.75
		<i>For >10 To 50, Deduct</i>	-0.08
		<i>For >50 To 100, Deduct</i>	-0.27
		<i>For >100 To 250, Deduct</i>	-0.55
		<i>For >250 To 500, Deduct</i>	-0.98
		<i>For >500, Deduct</i>	-1.50
06 05 23 00-0217	EA	1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9)	2.66
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.11
		<i>For >100 To 250, Deduct</i>	-0.21
		<i>For >250 To 500, Deduct</i>	-0.40
		<i>For >500, Deduct</i>	-0.63
06 05 23 00-0218	EA	1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	2.94
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.11
		<i>For >100 To 250, Deduct</i>	-0.23
		<i>For >250 To 500, Deduct</i>	-0.42
		<i>For >500, Deduct</i>	-0.66
06 05 23 00-0219	EA	1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	4.01
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.30
		<i>For >250 To 500, Deduct</i>	-0.55
		<i>For >500, Deduct</i>	-0.85
06 05 23 00-0220	EA	1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie (Simpson Strong Tie ST22)	5.24
		<i>For >10 To 50, Deduct</i>	-0.06
		<i>For >50 To 100, Deduct</i>	-0.19
		<i>For >100 To 250, Deduct</i>	-0.38
		<i>For >250 To 500, Deduct</i>	-0.69
		<i>For >500, Deduct</i>	-1.07
06 05 23 00-0221	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	3.47
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.13
		<i>For >100 To 250, Deduct</i>	-0.25
		<i>For >250 To 500, Deduct</i>	-0.46
		<i>For >500, Deduct</i>	-0.71
06 05 23 00-0222	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	3.69
		<i>For >10 To 50, Deduct</i>	-0.04
		<i>For >50 To 100, Deduct</i>	-0.13
		<i>For >100 To 250, Deduct</i>	-0.26
		<i>For >250 To 500, Deduct</i>	-0.47
		<i>For >500, Deduct</i>	-0.73
06 05 23 00-0223	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	5.06
		<i>For >10 To 50, Deduct</i>	-0.05
		<i>For >50 To 100, Deduct</i>	-0.18
		<i>For >100 To 250, Deduct</i>	-0.35
		<i>For >250 To 500, Deduct</i>	-0.63
		<i>For >500, Deduct</i>	-0.96
06 05 23 00-0224	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	9.29
		<i>For >10 To 50, Deduct</i>	-0.06
		<i>For >50 To 100, Deduct</i>	-0.29
		<i>For >100 To 250, Deduct</i>	-0.58
		<i>For >250 To 500, Deduct</i>	-0.99
		<i>For >500, Deduct</i>	-1.47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37)	12.66	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.90	
06 05 23 00-0226 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48)	16.85	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.66	
For >500, Deduct	-2.41	
06 05 23 00-0227 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60)	24.64	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.70	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.28	
06 05 23 00-0228 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72)	31.90	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.90	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-4.10	
06 05 23 00-0229 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28)	9.99	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.04	
For >500, Deduct	-1.54	
06 05 23 00-0230 EA 3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40)	13.69	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-2.00	
06 05 23 00-0231 EA 3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52)	17.14	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.51	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.68	
For >500, Deduct	-2.44	
06 05 23 00-0232 EA 3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66)	25.19	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.33	
For >500, Deduct	-3.33	
06 05 23 00-0233 Twist Strap Ties <small>(06 05 23 00-0195)</small>		
06 05 23 00-0234 EA 1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9)	3.04	
For >10 To 50, Deduct	-0.04	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.67	
06 05 23 00-0235 EA 1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12)	3.56	
For >10 To 50, Deduct	-0.04	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.72	
06 05 23 00-0236 EA 1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18)	4.85	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.94	
06 05 23 00-0237 EA 1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22)	5.74	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.12	
06 05 23 00-0238 Retrofit Plate Strap <small>(06 05 23 00-0195)</small>		
06 05 23 00-0239 EA 1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18)	4.27	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.88	
06 05 23 00-0240 EA 1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22)	4.76	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.93	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0241	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	5.52		
		<i>For >10 To 50, Deduct</i>	-0.05		
		<i>For >50 To 100, Deduct</i>	-0.19		
		<i>For >100 To 250, Deduct</i>	-0.37		
		<i>For >250 To 500, Deduct</i>	-0.66		
		<i>For >500, Deduct</i>	-1.01		
06 05 23 00-0242		Stud Shoe <small>(06 05 23 00-0195)</small>			
06 05 23 00-0243	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	8.12		
		<i>For >10 To 50, Deduct</i>	-0.06		
		<i>For >50 To 100, Deduct</i>	-0.26		
		<i>For >100 To 250, Deduct</i>	-0.52		
		<i>For >250 To 500, Deduct</i>	-0.90		
		<i>For >500, Deduct</i>	-1.35		
06 05 23 00-0244	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	12.49		
		<i>For >10 To 50, Deduct</i>	-0.06		
		<i>For >50 To 100, Deduct</i>	-0.37		
		<i>For >100 To 250, Deduct</i>	-0.74		
		<i>For >250 To 500, Deduct</i>	-1.23		
		<i>For >500, Deduct</i>	-1.79		
06 05 23 00-0245	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	13.74		
		<i>For >10 To 50, Deduct</i>	-0.06		
		<i>For >50 To 100, Deduct</i>	-0.40		
		<i>For >100 To 250, Deduct</i>	-0.81		
		<i>For >250 To 500, Deduct</i>	-1.33		
		<i>For >500, Deduct</i>	-1.92		
06 05 23 00-0246	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	17.93		
		<i>For >10 To 50, Deduct</i>	-0.06		
		<i>For >50 To 100, Deduct</i>	-0.51		
		<i>For >100 To 250, Deduct</i>	-1.01		
		<i>For >250 To 500, Deduct</i>	-1.64		
		<i>For >500, Deduct</i>	-2.34		
06 05 23 00-0247		Nail Stops <small>(06 05 23 00-0195)</small>			
06 05 23 00-0248	EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.11		
		<i>For >10 To 50, Deduct</i>	-0.04		
		<i>For >50 To 100, Deduct</i>	-0.09		
		<i>For >100 To 250, Deduct</i>	-0.18		
		<i>For >250 To 500, Deduct</i>	-0.35		
		<i>For >500, Deduct</i>	-0.57		
06 05 23 00-0249	EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	2.49		
		<i>For >10 To 50, Deduct</i>	-0.04		
		<i>For >50 To 100, Deduct</i>	-0.10		
		<i>For >100 To 250, Deduct</i>	-0.20		
		<i>For >250 To 500, Deduct</i>	-0.38		
		<i>For >500, Deduct</i>	-0.61		
06 05 73		Wood Treatment <small>(06 05)</small>			
06 05 73 13		Fire-Retardant Wood Treatment <small>(06 05 73)</small>			
06 05 73 13-0001		Preservative Treated Lumber <small>(06 05 73 13)</small>			
06 05 73 13-0002		Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>			
06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber.....	531.85		
06 05 73 33		Preservative Wood Treatment <small>(06 05 73)</small>			
06 05 73 33-0001		Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>			
06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber.....	192.29		
06 10		Rough Carpentry <small>(06)</small>			
06 11		Wood Framing <small>(06 10)</small>			
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.					
06 11 13		Engineered Wood Products <small>(06 11)</small>			
Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.					
06 11 13 00-0001		Built-Up Members <small>(06 11 13)</small>			
Note: A structural framing member made from fastening separate pieces of lumber together.					
06 11 13 00-0002		Built-Up Beams Or Joists <small>(06 11 13 00-0001)</small>			
06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	4.43	1.35	
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.18		
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	5.73	1.58	
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.68		
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	7.52	1.91	
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	2.33		
06 11 13 00-0006		Built-Up Posts <small>(06 11 13 00-0001)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 13 00-0007	LF		Two 2" x 6" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	4.43 1.18	1.35
06 11 13 00-0008	LF		Two 2" x 8" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	5.73 1.68	1.58
06 11 13 00-0009	LF		Two 2" x 10" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	7.52 2.33	1.91
06 11 16 Mechanically Graded Lumber (06 11)					
06 11 16 00-0001 Rafters And Joists (06 11 16)					
06 11 16 00-0002 Rafters (06 11 16 00-0001)					
Note: An inclined roof framing member to which a roof covering is attached.					
06 11 16 00-0003	LF		2" x 6" Wood Rafter <i>For Selectively Replaced Wood, Add</i>	2.45 1.91	0.95
06 11 16 00-0004	LF		2" x 8" Wood Rafter <i>For Selectively Replaced Wood, Add</i>	3.03 2.03	1.03
06 11 16 00-0005	LF		2" x 10" Wood Rafter <i>For Selectively Replaced Wood, Add</i>	4.31 2.97	1.51
06 11 16 00-0006	LF		2" x 12" Wood Rafter <i>For Selectively Replaced Wood, Add</i>	5.05 3.35	1.67
06 11 16 00-0007	LF		2" x 14" Wood Rafter <i>For Selectively Replaced Wood, Add</i>	5.52 3.57	1.83
06 11 16 00-0008	LF		2" x 6" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	2.63 1.91	0.95
06 11 16 00-0009	LF		2" x 8" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	3.25 2.03	1.03
06 11 16 00-0010	LF		2" x 10" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	4.34 2.97	1.51
06 11 16 00-0011	LF		2" x 12" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	5.30 3.35	1.67
06 11 16 00-0012 Joists (06 11 16 00-0001)					
Note: A series of parallel beams to support floors or ceilings.					
06 11 16 00-0013	LF		2" x 6" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.21 1.55	0.80
06 11 16 00-0014	LF		2" x 8" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.88 1.80	0.87
06 11 16 00-0015	LF		2" x 10" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.76 2.15	1.11
06 11 16 00-0016	LF		2" x 12" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.49 2.51	1.27
06 11 16 00-0017	LF		2" x 14" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.97 2.75	1.35
06 11 16 00-0018	LF		2" x 6" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.39 1.55	0.80
06 11 16 00-0019	LF		2" x 8" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.10 1.80	0.87
06 11 16 00-0020	LF		2" x 10" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.79 2.15	1.11
06 11 16 00-0021	LF		2" x 12" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.74 2.51	1.27
06 11 16 00-0022 Purlins (06 11 16 00-0001)					
Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.					
06 11 16 00-0023	LF		2" x 4" Wood Purlin <i>For Selectively Replaced Wood, Add</i>	1.66 1.16	0.48
06 11 16 00-0024	LF		2" x 6" Wood Purlin <i>For Selectively Replaced Wood, Add</i>	2.23 1.55	0.52
06 11 16 00-0025	LF		2" x 8" Wood Purlin <i>For Selectively Replaced Wood, Add</i>	2.84 1.91	0.58
06 11 16 00-0026	LF		2" x 10" Wood Purlin..... <i>For Selectively Replaced Wood, Add</i>	3.60 2.45	0.63
06 11 16 00-0027	LF		2" x 4" Pressure Treated Wood Purlin <i>For Selectively Replaced Wood, Add</i>	1.76 1.26	0.48
06 11 16 00-0028	LF		2" x 6" Pressure Treated Wood Purlin <i>For Selectively Replaced Wood, Add</i>	2.41 1.71	0.52
06 11 16 00-0029	LF		2" x 8" Pressure Treated Wood Purlin <i>For Selectively Replaced Wood, Add</i>	3.06 2.11	0.58
06 11 16 00-0030	LF		2" x 10" Pressure Treated Wood Purlin <i>For Selectively Replaced Wood, Add</i>	3.63 2.58	0.63
06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)					
06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0033	LF		2" x 6" Redwood Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	3.95 2.70	0.80
06 11 16 00-0034	LF		2" x 8" Redwood Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	4.90 3.35	0.87
06 11 16 00-0035	LF		2" x 10" Redwood Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	6.15 4.20	1.11
06 11 16 00-0036	LF		2" x 12" Redwood Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	7.52 5.17	1.27
06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0038	LF		2" x 6" Cedar Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	2.23 1.53	0.80
06 11 16 00-0039	LF		2" x 8" Cedar Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	2.47 1.77	0.87
06 11 16 00-0040	LF		2" x 10" Cedar Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	2.78 1.98	1.11
06 11 16 00-0041	LF		2" x 12" Cedar Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	3.10 2.20	1.27
06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0043	LF		2" x 6" Oak Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	2.93 2.03	0.80
06 11 16 00-0044	LF		2" x 8" Oak Rafter Or Joist..... <i>For Selectively Replaced Wood, Add</i>	4.26 2.91	0.87

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist.....	5.65		1.11
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist.....	7.05		1.27
06 11 16 00-0047		Framing (06 11 16)			
06 11 16 00-0048		Partition Framing (06 11 16 00-0047)			
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls.....	1.62		0.63
		<i>For Selectively Replaced Wood, Add</i>	1.37		
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls.....	2.13		0.67
		<i>For Selectively Replaced Wood, Add</i>	1.43		
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls.....	2.67		0.72
		<i>For Selectively Replaced Wood, Add</i>	1.49		
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.72		0.63
		<i>For Selectively Replaced Wood, Add</i>	1.37		
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.31		0.67
		<i>For Selectively Replaced Wood, Add</i>	1.43		
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.89		0.72
		<i>For Selectively Replaced Wood, Add</i>	1.49		
06 11 16 00-0055		Wall Framing Assemblies By The SF (06 11 16 00-0047)			
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.			
06 11 16 00-0056		Wall Framing By The SF, 12" On Center (06 11 16 00-0055)			
06 11 16 00-0057	SF	2" x 4" Wood Wall Framing At 12" On Center.....	2.15		0.77
		<i>For Up To 200, Add</i>	0.66		
		<i>For >200 To 500, Add</i>	0.33		
06 11 16 00-0058	SF	2" x 6" Wood Wall Framing At 12" On Center.....	2.97		0.98
		<i>For Up To 200, Add</i>	0.88		
		<i>For >200 To 500, Add</i>	0.44		
06 11 16 00-0059	SF	2" x 8" Wood Wall Framing At 12" On Center.....	3.97		1.31
		<i>For Up To 200, Add</i>	1.18		
		<i>For >200 To 500, Add</i>	0.59		
06 11 16 00-0060		Wall Framing By The SF, 16" On Center (06 11 16 00-0055)			
06 11 16 00-0061	SF	2" x 4" Wood Wall Framing At 16" On Center.....	1.76		0.62
		<i>For Up To 200, Add</i>	0.54		
		<i>For >200 To 500, Add</i>	0.27		
06 11 16 00-0062	SF	2" x 6" Wood Wall Framing At 16" On Center.....	2.47		0.82
		<i>For Up To 200, Add</i>	0.74		
		<i>For >200 To 500, Add</i>	0.37		
06 11 16 00-0063	SF	2" x 8" Wood Wall Framing At 16" On Center.....	3.30		1.09
		<i>For Up To 200, Add</i>	0.98		
		<i>For >200 To 500, Add</i>	0.49		
06 11 16 00-0064		Wall Framing By The SF, 24" On Center (06 11 16 00-0055)			
06 11 16 00-0065	SF	2" x 4" Wood Wall Framing At 24" On Center.....	1.39		0.48
		<i>For Up To 200, Add</i>	0.42		
		<i>For >200 To 500, Add</i>	0.21		
06 11 16 00-0066	SF	2" x 6" Wood Wall Framing At 24" On Center.....	1.94		0.63
		<i>For Up To 200, Add</i>	0.58		
		<i>For >200 To 500, Add</i>	0.29		
06 11 16 00-0067	SF	2" x 8" Wood Wall Framing At 24" On Center.....	2.59		0.85
		<i>For Up To 200, Add</i>	0.77		
		<i>For >200 To 500, Add</i>	0.39		
06 11 16 00-0068		Sills And Plates (06 11 16)			
06 11 16 00-0069		Sills (06 11 16 00-0068)			
		Note: A horizontal member which rests on and is attached to the foundation.			
06 11 16 00-0070	LF	2" x 4" Wood Sill.....	2.50		1.20
		<i>For Selectively Replaced Wood, Add</i>	2.69		
06 11 16 00-0071	LF	2" x 6" Wood Sill.....	3.16		1.35
		<i>For Selectively Replaced Wood, Add</i>	2.97		
06 11 16 00-0072	LF	2" x 8" Wood Sill.....	3.92		1.51
		<i>For Selectively Replaced Wood, Add</i>	3.36		
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill.....	2.60		1.20
		<i>For Selectively Replaced Wood, Add</i>	2.69		
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill.....	3.34		1.35
		<i>For Selectively Replaced Wood, Add</i>	2.97		
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill.....	4.14		1.51
		<i>For Selectively Replaced Wood, Add</i>	3.36		
06 11 16 00-0076		Plates (06 11 16 00-0068)			
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.			
06 11 16 00-0077	LF	2" x 4" Wood Plate.....	2.50		1.20
		<i>For Selectively Replaced Wood, Add</i>	2.69		
06 11 16 00-0078	LF	2" x 6" Wood Plate.....	3.16		1.35
		<i>For Selectively Replaced Wood, Add</i>	2.97		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0079	LF		2" x 8" Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	3.91 3.35	1.51
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	2.60 2.69	1.20
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	3.34 2.97	1.35
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	4.13 3.35	1.51
06 11 16 00-0083			Suspended Ceiling Framing <small>(06 11 16)</small>		
06 11 16 00-0084	LF		1" x 2" Wood Suspended Ceiling Framing.....	1.90	1.03
06 11 16 00-0085	LF		1" x 3" Wood Suspended Ceiling Framing.....	2.16	1.11
06 11 16 00-0086	LF		2" x 2" Wood Suspended Ceiling Framing.....	2.39	1.20
06 11 16 00-0087	LF		2" x 4" Wood Suspended Ceiling Framing.....	2.85	1.35
06 11 16 00-0088	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.07	1.03
06 11 16 00-0089	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	2.13	1.11
06 11 16 00-0090	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.48	1.20
06 11 16 00-0091	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	2.88	1.35
06 11 16 00-0092			Posts And Girts <small>(06 11 16)</small>		
06 11 16 00-0093			Posts <small>(06 11 16 00-0092)</small> Note: A vertical, upright framing member.		
06 11 16 00-0094	LF		4" x 4" Wood Post.....	3.71	1.51
06 11 16 00-0095	LF		4" x 5" Wood Post.....	4.25	1.75
06 11 16 00-0096	LF		4" x 6" Wood Post.....	4.67	1.91
06 11 16 00-0097	LF		6" x 6" Wood Post.....	5.22	2.07
06 11 16 00-0098	LF		8" x 8" Wood Post.....	5.76	2.15
06 11 16 00-0099	LF		10" x 10" Wood Post.....	6.31	2.46
06 11 16 00-0100	LF		4" x 4" Pressure Treated Wood Post.....	4.36	1.51
06 11 16 00-0101	LF		3" x 6" Pressure Treated Wood Post.....	4.95	1.91
06 11 16 00-0102	LF		4" x 6" Pressure Treated Wood Post.....	5.68	1.91
06 11 16 00-0103	LF		6" x 6" Pressure Treated Wood Post.....	7.38	2.07
06 11 16 00-0104			Girts <small>(06 11 16 00-0092)</small> Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0105	LF		2" x 4" Wood Girt.....	1.86	0.57
06 11 16 00-0106	LF		2" x 6" Wood Girt.....	2.44	0.62
06 11 16 00-0107	LF		2" x 8" Wood Girt.....	3.06	0.70
06 11 16 00-0108	LF		2" x 10" Wood Girt.....	3.85	0.77
06 11 16 00-0109	LF		4" x 4" Wood Girt.....	3.54	1.15
06 11 16 00-0110	LF		4" x 5" Wood Girt.....	4.10	1.29
06 11 16 00-0111	LF		4" x 6" Wood Girt.....	4.64	1.43
06 11 16 00-0112	LF		6" x 6" Wood Girt.....	5.19	1.57
06 11 16 00-0113	LF		8" x 8" Wood Girt.....	5.74	1.72
06 11 16 00-0114	LF		10" x 10" Wood Girt.....	6.29	1.87
06 11 16 00-0115	LF		2" x 4" Pressure Treated Wood Girt.....	1.96	0.57
06 11 16 00-0116	LF		2" x 6" Pressure Treated Wood Girt.....	2.62	0.62
06 11 16 00-0117	LF		2" x 8" Pressure Treated Wood Girt.....	3.28	0.70
06 11 16 00-0118	LF		2" x 10" Pressure Treated Wood Girt.....	3.88	0.77
06 11 16 00-0119	LF		4" x 4" Pressure Treated Wood Girt.....	4.36	1.15
06 11 16 00-0120	LF		3" x 6" Pressure Treated Wood Girt.....	4.95	1.43
06 11 16 00-0121	LF		4" x 6" Pressure Treated Wood Girt.....	5.68	1.43
06 11 16 00-0122	LF		6" x 6" Pressure Treated Wood Girt.....	7.38	1.57
06 11 16 00-0123			Stair Stringers <small>(06 11 16)</small>		
06 11 16 00-0124	LF		2" x 10" Wood Stair Stringer.....	7.05	3.18
06 11 16 00-0125	LF		2" x 12" Wood Stair Stringer.....	8.41	3.73
06 11 16 00-0126	LF		2" x 10" Pressure Treated Wood Stair Stringer.....	7.12	3.18
06 11 16 00-0127	LF		2" x 12" Pressure Treated Wood Stair Stringer.....	8.63	3.73
06 11 16 00-0128			Blocking <small>(06 11 16)</small>		
06 11 16 00-0129			Blocking <small>(06 11 16 00-0128)</small>		
06 11 16 00-0130			Blocking To Wood <small>(06 11 16 00-0129)</small>		
06 11 16 00-0131	LF		2" x 4" Pressure Treated Wood Blocking To Wood.....	5.00	1.91
06 11 16 00-0132	LF		2" x 6" Pressure Treated Wood Blocking To Wood.....	6.17	2.10
06 11 16 00-0133	LF		2" x 8" Pressure Treated Wood Blocking To Wood.....	7.15	2.31
06 11 16 00-0134	LF		4" x 4" Pressure Treated Wood Blocking To Wood.....	8.49	2.54
06 11 16 00-0135	LF		4" x 6" Pressure Treated Wood Blocking To Wood.....	9.07	2.80
06 11 16 00-0136	LF		2" x 4" Wood Blocking To Wood.....	4.54	1.91
06 11 16 00-0137	LF		2" x 6" Wood Blocking To Wood.....	5.39	2.10
06 11 16 00-0138	LF		2" x 8" Wood Blocking To Wood.....	6.31	2.31
06 11 16 00-0139	LF		4" x 4" Wood Blocking To Wood.....	6.53	2.54
06 11 16 00-0140	LF		4" x 6" Wood Blocking To Wood.....	7.42	2.80
06 11 16 00-0141			Blocking To Steel <small>(06 11 16 00-0129)</small>		
06 11 16 00-0142	LF		2" x 4" Pressure Treated Wood Blocking To Steel.....	5.69	2.20
06 11 16 00-0143	LF		2" x 6" Pressure Treated Wood Blocking To Steel.....	6.99	2.42

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0144	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....	8.09		2.67
06 11 16 00-0145	LF	2" x 4" Wood Blocking To Steel.....	5.18		2.20
06 11 16 00-0146	LF	2" x 6" Wood Blocking To Steel.....	6.14		2.42
06 11 16 00-0147	LF	2" x 8" Wood Blocking To Steel.....	7.16		2.67
06 11 16 00-0148		Blocking To Concrete <small>(06 11 16 00-0129)</small>			
06 11 16 00-0149	LF	2" x 4" Pressure Treated Wood Blocking To Concrete.....	5.69		2.20
06 11 16 00-0150	LF	2" x 6" Pressure Treated Wood Blocking To Concrete.....	6.99		2.42
06 11 16 00-0151	LF	2" x 8" Pressure Treated Wood Blocking To Concrete.....	8.09		2.67
06 11 16 00-0152	LF	2" x 4" Wood Blocking To Concrete.....	5.18		2.20
06 11 16 00-0153	LF	2" x 6" Wood Blocking To Concrete.....	6.14		2.42
06 11 16 00-0154	LF	2" x 8" Wood Blocking To Concrete.....	7.16		2.67
06 11 16 00-0155		Pressure Treated Lattice <small>(06 11 16 00-0128)</small>			
06 11 16 00-0156	SF	3/4" Thick Pressure Treated Wood Lattice.....	7.30		1.67
06 11 16 00-0157		Roofing Nailers <small>(06 11 16)</small>			
06 11 16 00-0158	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	2.64		0.63
06 11 16 00-0159	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	3.27		0.67
06 11 16 00-0160	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	3.88		0.72
06 11 16 00-0161		Roofing Sleepers <small>(06 11 16)</small>			
06 11 16 00-0162	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.40		
06 11 16 00-0163	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	3.24		
06 11 16 00-0164	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	4.25		
06 11 16 00-0165	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	5.81		
06 11 16 00-0166		Canopy Framing, Bridging, And Furring <small>(06 11 16)</small>			
06 11 16 00-0167		Wood And Steel Bridging <small>(06 11 16 00-0166)</small>			
06 11 16 00-0168		Wood Bridging <small>(06 11 16 00-0167)</small>			
06 11 16 00-0169	EA	1 Pair Wood Bridging, 1" x 3" Cross Type..... Note: For joists spaced at 16" on center.	6.74		2.79
06 11 16 00-0170	EA	1 Pair Wood Bridging, 2" x 3" Cross Type..... Note: For joists spaced at 16" on center.	7.13		2.79
06 11 16 00-0171		Steel Bridging <small>(06 11 16 00-0167)</small>			
06 11 16 00-0172	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center.....	7.82		2.79
06 11 16 00-0173	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center.....	7.80		2.79
06 11 16 00-0174		Light Framing, Trim And Furring <small>(06 11 16 00-0166)</small>			
06 11 16 00-0175		Pine/Spruce/Fir Light Framing, Trim And Furring <small>(06 11 16 00-0174)</small>			
06 11 16 00-0176	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring.....	1.52		0.65
06 11 16 00-0177	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	1.75		0.72
06 11 16 00-0178	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.09		0.79
06 11 16 00-0179	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.35		0.87
06 11 16 00-0180	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.63		0.95
06 11 16 00-0181	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.92		1.05
06 11 16 00-0182	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.37		0.87
06 11 16 00-0183	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.69		0.95
06 11 16 00-0184	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.28		1.05
06 11 16 00-0185	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.98		1.16
06 11 16 00-0186	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.87		1.27
06 11 16 00-0187		Cedar Light Framing, Trim And Furring <small>(06 11 16 00-0174)</small>			
06 11 16 00-0188	LF	1" x 1" Cedar Light Framing, Trim And Furring.....	1.56		0.65
06 11 16 00-0189	LF	1" x 2" Cedar Light Framing, Trim And Furring.....	1.95		0.72
06 11 16 00-0190	LF	1" x 4" Cedar Light Framing, Trim And Furring.....	2.84		0.79
06 11 16 00-0191	LF	1" x 6" Cedar Light Framing, Trim And Furring.....	3.64		0.87
06 11 16 00-0192	LF	1" x 8" Cedar Light Framing, Trim And Furring.....	6.02		0.95
06 11 16 00-0193	LF	1" x 10" Cedar Light Framing, Trim And Furring.....	7.24		1.05
06 11 16 00-0194	LF	2" x 2" Cedar Light Framing, Trim And Furring.....	2.86		0.87
06 11 16 00-0195	LF	2" x 4" Cedar Light Framing, Trim And Furring.....	3.42		0.95
06 11 16 00-0196		Oak Light Framing, Trim And Furring <small>(06 11 16 00-0174)</small>			
06 11 16 00-0197	LF	1" x 1" Oak Light Framing, Trim And Furring.....	1.57		0.65
06 11 16 00-0198	LF	1" x 2" Oak Light Framing, Trim And Furring.....	1.97		0.72
06 11 16 00-0199	LF	1" x 4" Oak Light Framing, Trim And Furring.....	2.65		0.79
06 11 16 00-0200	LF	1" x 6" Oak Light Framing, Trim And Furring.....	3.36		0.87
06 11 16 00-0201	LF	1" x 8" Oak Light Framing, Trim And Furring.....	4.08		0.95
06 11 16 00-0202	LF	1" x 10" Oak Light Framing, Trim And Furring.....	4.81		1.05
06 11 16 00-0203	LF	2" x 2" Oak Light Framing, Trim And Furring.....	2.82		0.87
06 11 16 00-0204	LF	2" x 4" Oak Light Framing, Trim And Furring.....	4.08		0.95

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 11 16 00-0205 Redwood Light Framing, Trim And Furring (06 11 16 00-0174)

06 11 16 00-0206	LF	1" x 1" Redwood Light Framing, Trim And Furring.....	1.49	0.65
06 11 16 00-0207	LF	1" x 2" Redwood Light Framing, Trim And Furring.....	1.83	0.72
06 11 16 00-0208	LF	1" x 4" Redwood Light Framing, Trim And Furring.....	2.39	0.79
06 11 16 00-0209	LF	1" x 6" Redwood Light Framing, Trim And Furring.....	3.03	0.87
06 11 16 00-0210	LF	1" x 8" Redwood Light Framing, Trim And Furring.....	3.74	0.95
06 11 16 00-0211	LF	1" x 10" Redwood Light Framing, Trim And Furring.....	4.50	1.05
06 11 16 00-0212	LF	2" x 2" Redwood Light Framing, Trim And Furring.....	3.06	0.87
06 11 16 00-0213	LF	2" x 4" Redwood Light Framing, Trim And Furring.....	3.77	0.95

06 11 16 00-0214 Poplar Light Framing, Trim And Furring (06 11 16 00-0174)

06 11 16 00-0215	LF	1" x 1" Poplar Light Framing, Trim And Furring.....	1.95	0.65
06 11 16 00-0216	LF	1" x 2" Poplar Light Framing, Trim And Furring.....	2.54	0.72
06 11 16 00-0217	LF	1" x 4" Poplar Light Framing, Trim And Furring.....	3.41	0.79
06 11 16 00-0218	LF	1" x 6" Poplar Light Framing, Trim And Furring.....	4.60	0.87
06 11 16 00-0219	LF	1" x 8" Poplar Light Framing, Trim And Furring.....	5.45	0.95
06 11 16 00-0220	LF	1" x 10" Poplar Light Framing, Trim And Furring.....	7.58	1.05
06 11 16 00-0221	LF	1" x 12" Poplar Light Framing, Trim And Furring.....	8.36	1.05
06 11 16 00-0222	LF	2" x 2" Poplar Light Framing, Trim And Furring.....	6.55	0.87
06 11 16 00-0223	LF	2" x 4" Poplar Light Framing, Trim And Furring.....	7.38	0.95
06 11 16 00-0224	LF	2" x 6" Poplar Light Framing, Trim And Furring.....	10.30	1.05

06 11 16 00-0225 Maple Light Framing, Trim And Furring (06 11 16 00-0174)

06 11 16 00-0226	LF	1" x 4" Maple Light Framing, Trim And Furring.....	5.39	0.79
06 11 16 00-0227	LF	1" x 6" Maple Light Framing, Trim And Furring.....	7.67	0.87
06 11 16 00-0228	LF	1" x 8" Maple Light Framing, Trim And Furring.....	10.01	0.95

06 13 Heavy Timber Construction (06 10)

06 13 23 Heavy Timber Framing (06 13)

06 13 23 00-0001 Heavy Timber Framing (06 13 23)
 Note: Excludes fasteners.

06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)

06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	5.98	1.41
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	7.68	1.47
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	9.38	1.53
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	12.86	1.63
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	15.67	1.73
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	10.27	1.58
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	12.78	1.67
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	17.98	1.79
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	21.96	1.83
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	16.11	1.73
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	22.78	1.79
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	28.11	1.83
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	27.73	1.83
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	34.48	1.98
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	40.96	2.19

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	6.30	1.41
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	8.16	1.47
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	10.03	1.53
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	13.82	1.63
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	16.87	1.73
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	10.97	1.58
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	13.71	1.67
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	19.41	1.79
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	23.80	1.83
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	17.37	1.73
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	24.70	1.79
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	30.55	1.83
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	30.12	1.83
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	37.50	1.98
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	44.61	2.19

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	5.84	1.41
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	7.74	1.47
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	9.39	1.53
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	12.86	1.63
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	15.65	1.73
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	11.24	1.58
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	14.12	1.67

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	17.16	1.79
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	21.49	1.83
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	21.84	1.73
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	25.63	1.79
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	30.46	1.83
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	30.61	1.83
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	41.09	1.98
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	48.91	2.19

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0001)**

06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.64	0.75
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	6.30	0.79
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	7.93	0.81
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	11.32	0.86
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	14.03	0.91
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	8.78	0.83
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	11.22	0.87
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	16.28	0.94
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	20.22	0.96
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	14.47	0.91
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	21.08	0.94
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	26.35	0.98
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	25.96	0.98
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	32.60	1.04
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	38.89	1.15

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0001)

06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.96	0.75
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.78	0.79
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	8.58	0.81
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	12.28	0.86
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	15.23	0.91
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	9.48	0.83
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	12.15	0.87
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	17.71	0.94
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	22.06	0.96
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	15.73	0.91
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	23.00	0.94
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	28.79	0.98
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	28.35	0.98
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	35.62	1.04
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	42.54	1.15

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0001)

06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.50	0.75
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.36	0.79
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.94	0.81
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	11.32	0.86
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	14.01	0.91
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	9.75	0.83
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	12.56	0.87
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	15.46	0.94
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	19.75	0.96
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	20.20	0.91
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	23.93	0.94
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	28.70	0.98
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	28.84	0.98
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	39.21	1.04
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	46.84	1.15

06 16 Sheathing (06 10)**06 16 33 Wood Board Sheathing (06 16)****06 16 33 00-0001 Plywood (06 16 33)****06 16 33 00-0002 Roof Decking (06 16 33 00-0001)**

06 16 33 00-0003	SF	1/4" Thick CDX Plywood Roof Decking	2.08	0.40
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Note: Applied to wood rafters.

For Shear Wall Construction, Add

0.19

For Exterior CC Grade Plywood, Add

0.17

For Application To Metal Studs, Joists, Or Rafters, Add

0.19

For ACQ Preservative Treatment, Add

0.55

For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add

1.41

For Fire Retardant Treatment, Add

0.90

For >1,696 To 3,200, Deduct

-0.07

For >3,200 To 6,400, Deduct

-0.10

For >6,400 To 12,800, Deduct

-0.15

For >12,800, Deduct

-0.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0004	SF		3/8" Thick CDX Plywood Roof Decking	2.13	0.40
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.19	
			For Exterior CC Grade Plywood, Add	0.18	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.19	
			For ACQ Preservative Treatment, Add	0.57	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.41	
			For Fire Retardant Treatment, Add	0.94	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.19	
06 16 33 00-0005	SF		1/2" Thick CDX Plywood Roof Decking	2.46	0.48
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.20	
			For Exterior CC Grade Plywood, Add	0.22	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.20	
			For ACQ Preservative Treatment, Add	0.69	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.53	
			For Fire Retardant Treatment, Add	1.14	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.22	
06 16 33 00-0006	SF		5/8" Thick CDX Plywood Roof Decking	2.67	0.48
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.22	
			For Exterior CC Grade Plywood, Add	0.24	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.22	
			For ACQ Preservative Treatment, Add	0.76	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.64	
			For Fire Retardant Treatment, Add	1.25	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.14	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.24	
			For Tongue And Groove, Add	0.11	
06 16 33 00-0007	SF		3/4" Thick CDX Plywood Roof Decking	3.02	0.55
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.24	
			For Exterior CC Grade Plywood, Add	0.27	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.24	
			For ACQ Preservative Treatment, Add	0.88	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.79	
			For Fire Retardant Treatment, Add	1.45	
			For >1,696 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.23	
			For >12,800, Deduct	-0.28	
			For Tongue And Groove, Add	0.13	
06 16 33 00-0008			Wall Sheathing (06 16 33 00-0001)		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing.....	2.36	0.55
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.24	
			For Exterior CC Grade Plywood, Add	0.18	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.24	
			For Ceiling Installation, Add	0.12	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.79	
			For Fire Retardant Treatment, Add	0.92	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.16	
			For >12,800, Deduct	-0.20	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing.....	2.42	0.55
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.24	
			For Exterior CC Grade Plywood, Add	0.18	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.24	
			For Ceiling Installation, Add	0.12	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.79	
			For Fire Retardant Treatment, Add	0.97	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.21	
06 16 33 00-0011	SF		3/8" Interior BC Plywood Wall Sheathing.....	2.53	0.63
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.24	
			For Exterior CC Grade Plywood, Add	0.20	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.24	
			For Ceiling Installation, Add	0.12	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.79	
			For Fire Retardant Treatment, Add	1.06	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.12	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.22	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0012	SF 1/2" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.96 0.25 0.25 0.25 0.13 1.91 1.34 -0.10 -0.15 -0.22 -0.27	0.63
06 16 33 00-0013	SF 5/8" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.16 0.27 0.27 0.27 0.14 2.04 1.42 -0.11 -0.16 -0.23 -0.28	0.72
06 16 33 00-0014	SF 3/4" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.51 0.29 0.31 0.29 0.15 2.19 1.62 -0.12 -0.18 -0.26 -0.32	0.80
06 16 33 00-0015	Floor Decking (06 16 33 00-0001) Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF 5/16" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	1.68 1.34 0.62 -0.05 -0.07 -0.11 -0.14 0.38 0.15 0.12 0.07 0.62	0.48
06 16 33 00-0017	SF 3/8" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	1.91 1.41 0.77 -0.06 -0.09 -0.13 -0.16 0.47 0.18 0.14 0.09 0.76	0.48
06 16 33 00-0018	SF 1/2" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.28 1.49 1.02 -0.08 -0.12 -0.17 -0.20 0.62 0.24 0.19 0.12 1.01	0.48
06 16 33 00-0019	SF 5/8" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.45 1.62 1.08 -0.08 -0.12 -0.18 -0.22 0.66 0.25 0.20 0.13 1.07	0.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	2.90	0.48
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.73	
			For Fire Retardant Treatment, Add	1.38	
			For >1,696 To 3,200, Deduct	-0.11	
			For >3,200 To 6,400, Deduct	-0.16	
			For >6,400 To 12,800, Deduct	-0.22	
			For >12,800, Deduct	-0.27	
			For ACQ Preservative Treatment, Add	0.84	
			For Fir Plywood, Add	0.32	
			For BC Grade Plywood, Add	0.26	
			For Exterior Glue, Add	0.16	
			For Marine Grade, Add	1.37	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	4.68	0.72
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.06	
			For Fire Retardant Treatment, Add	2.61	
			For >1,696 To 3,200, Deduct	-0.20	
			For >3,200 To 6,400, Deduct	-0.30	
			For >6,400 To 12,800, Deduct	-0.40	
			For >12,800, Deduct	-0.47	
			For ACQ Preservative Treatment, Add	1.59	
			For Fir Plywood, Add	0.61	
			For BC Grade Plywood, Add	0.49	
			For Exterior Glue, Add	0.31	
			For Marine Grade, Add	2.59	
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	3.05	0.48
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.49	
			For Fire Retardant Treatment, Add	1.63	
			For >1,696 To 3,200, Deduct	-0.12	
			For >3,200 To 6,400, Deduct	-0.19	
			For >6,400 To 12,800, Deduct	-0.25	
			For >12,800, Deduct	-0.30	
			For ACQ Preservative Treatment, Add	0.99	
			For Exterior Glue, Add	0.19	
			For Marine Grade, Add	1.61	
			For Tongue And Groove, Add	0.14	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	3.21	0.48
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.62	
			For Fire Retardant Treatment, Add	1.68	
			For >1,696 To 3,200, Deduct	-0.13	
			For >3,200 To 6,400, Deduct	-0.19	
			For >6,400 To 12,800, Deduct	-0.26	
			For >12,800, Deduct	-0.31	
			For ACQ Preservative Treatment, Add	1.02	
			For Exterior Glue, Add	0.20	
			For Marine Grade, Add	1.67	
			For Tongue And Groove, Add	0.15	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	3.46	0.48
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.73	
			For Fire Retardant Treatment, Add	1.82	
			For >1,696 To 3,200, Deduct	-0.14	
			For >3,200 To 6,400, Deduct	-0.21	
			For >6,400 To 12,800, Deduct	-0.28	
			For >12,800, Deduct	-0.33	
			For ACQ Preservative Treatment, Add	1.11	
			For Exterior Glue, Add	0.21	
			For Marine Grade, Add	1.81	
			For Tongue And Groove, Add	0.16	
06 16 33 00-0025			Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0026			On Roof <small>(06 16 33 00-0025)</small>		
06 16 33 00-0027	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.73	0.48
			For >1,408 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.14	
			For Fire Retardant Treatment, Add	0.62	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.41	
06 16 33 00-0028	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.94	0.48
			For >1,408 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.16	
			For Fire Retardant Treatment, Add	0.73	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.53	
06 16 33 00-0029	SF		5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.42	0.55
			For >1,408 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.12	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.21	
			For Fire Retardant Treatment, Add	1.05	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.64	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0030	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.96	0.55
	For >1,408 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.22	
	For >12,800, Deduct	-0.27	
	For Fire Retardant Treatment, Add	1.40	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.79	
06 16 33 00-0031	On Walls (06 16 33 00-0025)		
06 16 33 00-0032	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	1.98	0.55
	For >1,408 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.07	
	For >6,400 To 12,800, Deduct	-0.12	
	For >12,800, Deduct	-0.15	
	For Fire Retardant Treatment, Add	0.62	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.79	
06 16 33 00-0033	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.19	0.63
	For >1,408 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.13	
	For >12,800, Deduct	-0.17	
	For Fire Retardant Treatment, Add	0.73	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.91	
06 16 33 00-0034	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.69	0.72
	For >1,408 To 3,200, Deduct	-0.08	
	For >3,200 To 6,400, Deduct	-0.12	
	For >6,400 To 12,800, Deduct	-0.18	
	For >12,800, Deduct	-0.23	
	For Fire Retardant Treatment, Add	1.05	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.04	
06 16 33 00-0035	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.23	0.72
	For >1,408 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.23	
	For >12,800, Deduct	-0.29	
	For Fire Retardant Treatment, Add	1.40	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.19	
06 16 33 00-0036	On Floors (06 16 33 00-0025)		
	Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0037	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	1.75	0.48
	For >1,408 To 3,200, Deduct	-0.05	
	For >3,200 To 6,400, Deduct	-0.07	
	For >6,400 To 12,800, Deduct	-0.11	
	For >12,800, Deduct	-0.14	
	For Fire Retardant Treatment, Add	0.62	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.44	
06 16 33 00-0038	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors.....	2.07	0.55
	For >1,408 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.08	
	For >6,400 To 12,800, Deduct	-0.13	
	For >12,800, Deduct	-0.17	
	For Fire Retardant Treatment, Add	0.73	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.73	
06 16 33 00-0039	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors.....	2.58	0.63
	For >1,408 To 3,200, Deduct	-0.08	
	For >3,200 To 6,400, Deduct	-0.12	
	For >6,400 To 12,800, Deduct	-0.18	
	For >12,800, Deduct	-0.22	
	For Fire Retardant Treatment, Add	1.05	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.88	
06 16 33 00-0040	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors.....	3.13	0.72
	For >1,408 To 3,200, Deduct	-0.11	
	For >3,200 To 6,400, Deduct	-0.16	
	For >6,400 To 12,800, Deduct	-0.23	
	For >12,800, Deduct	-0.28	
	For Fire Retardant Treatment, Add	1.40	
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.04	
06 16 43	Gypsum Sheathing (06 16)		
06 16 43 00-0001	Exterior Gypsum Sheathing (06 16 43)		
	Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.29	0.63
	For Application To Metal Studs, Joists, Or Rafters, Add	0.25	
	For Ceiling Installation, Add	0.13	
	For >1,696 To 3,200, Deduct	-0.06	
	For >3,200 To 6,400, Deduct	-0.09	
	For >6,400 To 12,800, Deduct	-0.14	
	For >12,800, Deduct	-0.19	
	For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	1.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.47	0.80
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.27	
			<i>For Ceiling Installation, Add</i>	0.14	
			<i>For >1,696 To 3,200, Deduct</i>	-0.07	
			<i>For >3,200 To 6,400, Deduct</i>	-0.10	
			<i>For >6,400 To 12,800, Deduct</i>	-0.16	
			<i>For >12,800, Deduct</i>	-0.20	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	2.04	

06 17 Shop-Fabricated Structural Wood (06 10)

06 17 13 Laminated Veneer Lumber (06 17)

06 17 13 00-0001 Laminated Veneer Lumber (LVL) (06 17 13)

06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	7.89	1.38
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	8.85	1.40
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	9.97	1.42
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	11.38	1.44
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	12.44	1.46
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	13.89	1.51
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	16.06	1.54
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	22.61	1.75

06 17 23 Parallel Strand Lumber (06 17)

06 17 23 00-0001 Laminated Strand Lumber (LSL) (06 17 23)

06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	2.76	0.63
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	3.97	0.67

06 17 33 Wood I-Joists (06 17)

06 17 33 00-0001 Prefabricated Wood I-Joists (06 17 33)

06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.02	0.99
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.44	
			<i>For I-Joists >40' In Length, Add</i>	1.07	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.34	1.10
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.48	
			<i>For I-Joists >40' In Length, Add</i>	1.19	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.32	1.24
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.54	
			<i>For I-Joists >40' In Length, Add</i>	1.33	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	7.14	1.37
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.60	
			<i>For I-Joists >40' In Length, Add</i>	1.48	

06 17 43 Rim Boards (06 17)

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board (06 17 43)

06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	5.89	1.42
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	6.62	1.44
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	7.50	1.46

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	171.26	57.70
			<i>For Up To 15, Add</i>	4.19	
			<i>For >35, Deduct</i>	-2.79	
			<i>For 5 To 12 Slope, Add</i>	4.47	
			<i>For 6 To 12 Slope, Add</i>	8.38	
			<i>For 7 In 12 Slope, Add</i>	11.17	
			<i>For 8 To 12 Slope, Add</i>	13.40	
			<i>For 3 In 12 Slope, Add</i>	1.68	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	191.62	63.20
			<i>For Up To 15, Add</i>	4.89	
			<i>For >35, Deduct</i>	-3.26	
			<i>For 5 To 12 Slope, Add</i>	5.22	
			<i>For 6 To 12 Slope, Add</i>	9.78	
			<i>For 7 In 12 Slope, Add</i>	13.05	
			<i>For 8 To 12 Slope, Add</i>	15.66	
			<i>For 3 In 12 Slope, Add</i>	1.96	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	215.88	68.69
			<i>For Up To 15, Add</i>	5.89	
			<i>For >35, Deduct</i>	-3.92	
			<i>For 5 To 12 Slope, Add</i>	6.28	
			<i>For 6 To 12 Slope, Add</i>	11.77	
			<i>For 7 In 12 Slope, Add</i>	15.70	
			<i>For 8 To 12 Slope, Add</i>	18.84	
			<i>For 3 In 12 Slope, Add</i>	2.35	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0005	EA	16'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	250.38	74.19
			<i>For Up To 15, Add</i>	7.65	
			<i>For >35, Deduct</i>	-5.10	
			<i>For 5 To 12 Slope, Add</i>	8.16	
			<i>For 6 To 12 Slope, Add</i>	15.30	
			<i>For 7 In 12 Slope, Add</i>	20.40	
			<i>For 8 To 12 Slope, Add</i>	24.48	
			<i>For 3 In 12 Slope, Add</i>	3.06	
06 17 53 00-0006	EA	18'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	278.99	79.69
			<i>For Up To 15, Add</i>	8.97	
			<i>For >35, Deduct</i>	-5.98	
			<i>For 5 To 12 Slope, Add</i>	9.57	
			<i>For 6 To 12 Slope, Add</i>	17.94	
			<i>For 7 In 12 Slope, Add</i>	23.92	
			<i>For 8 To 12 Slope, Add</i>	28.71	
			<i>For 3 In 12 Slope, Add</i>	3.59	
06 17 53 00-0007	EA	20'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	287.55	87.93
			<i>For Up To 15, Add</i>	8.38	
			<i>For >35, Deduct</i>	-5.58	
			<i>For 5 To 12 Slope, Add</i>	8.94	
			<i>For 6 To 12 Slope, Add</i>	16.75	
			<i>For 7 In 12 Slope, Add</i>	22.34	
			<i>For 8 To 12 Slope, Add</i>	26.81	
			<i>For 3 In 12 Slope, Add</i>	3.35	
06 17 53 00-0008	EA	22'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	301.80	140.13
			<i>For Up To 15, Add</i>	8.62	
			<i>For >35, Deduct</i>	-5.75	
			<i>For 5 To 12 Slope, Add</i>	9.20	
			<i>For 6 To 12 Slope, Add</i>	17.24	
			<i>For 7 In 12 Slope, Add</i>	22.99	
			<i>For 8 To 12 Slope, Add</i>	27.59	
			<i>For 3 In 12 Slope, Add</i>	3.45	
06 17 53 00-0009	EA	24'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	322.53	98.92
			<i>For Up To 15, Add</i>	9.35	
			<i>For >35, Deduct</i>	-6.23	
			<i>For 5 To 12 Slope, Add</i>	9.98	
			<i>For 6 To 12 Slope, Add</i>	18.70	
			<i>For 7 In 12 Slope, Add</i>	24.94	
			<i>For 8 To 12 Slope, Add</i>	29.93	
			<i>For 3 In 12 Slope, Add</i>	3.74	
06 17 53 00-0010	EA	26'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	344.33	156.62
			<i>For Up To 15, Add</i>	10.16	
			<i>For >35, Deduct</i>	-6.77	
			<i>For 5 To 12 Slope, Add</i>	10.84	
			<i>For 6 To 12 Slope, Add</i>	20.32	
			<i>For 7 In 12 Slope, Add</i>	27.10	
			<i>For 8 To 12 Slope, Add</i>	32.52	
			<i>For 3 In 12 Slope, Add</i>	4.06	
06 17 53 00-0011	EA	28'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	367.52	109.91
			<i>For Up To 15, Add</i>	11.08	
			<i>For >35, Deduct</i>	-7.39	
			<i>For 5 To 12 Slope, Add</i>	11.82	
			<i>For 6 To 12 Slope, Add</i>	22.16	
			<i>For 7 In 12 Slope, Add</i>	29.54	
			<i>For 8 To 12 Slope, Add</i>	35.45	
			<i>For 3 In 12 Slope, Add</i>	4.43	
06 17 53 00-0012	EA	30'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	383.21	173.11
			<i>For Up To 15, Add</i>	11.43	
			<i>For >35, Deduct</i>	-7.62	
			<i>For 5 To 12 Slope, Add</i>	12.19	
			<i>For 6 To 12 Slope, Add</i>	22.86	
			<i>For 7 In 12 Slope, Add</i>	30.48	
			<i>For 8 To 12 Slope, Add</i>	36.57	
			<i>For 3 In 12 Slope, Add</i>	4.57	
06 17 53 00-0013	EA	32'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	403.92	118.15
			<i>For Up To 15, Add</i>	12.57	
			<i>For >35, Deduct</i>	-8.38	
			<i>For 5 To 12 Slope, Add</i>	13.41	
			<i>For 6 To 12 Slope, Add</i>	25.14	
			<i>For 7 In 12 Slope, Add</i>	33.52	
			<i>For 8 To 12 Slope, Add</i>	40.23	
			<i>For 3 In 12 Slope, Add</i>	5.03	
06 17 53 00-0014	EA	34'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	448.28	185.53
			<i>For Up To 15, Add</i>	15.07	
			<i>For >35, Deduct</i>	-10.05	
			<i>For 5 To 12 Slope, Add</i>	16.08	
			<i>For 6 To 12 Slope, Add</i>	30.15	
			<i>For 7 In 12 Slope, Add</i>	40.20	
			<i>For 8 To 12 Slope, Add</i>	48.24	
			<i>For 3 In 12 Slope, Add</i>	6.03	
06 17 53 00-0015	EA	36'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	469.60	126.39
			<i>For Up To 15, Add</i>	16.26	
			<i>For >35, Deduct</i>	-10.84	
			<i>For 5 To 12 Slope, Add</i>	17.34	
			<i>For 6 To 12 Slope, Add</i>	32.52	
			<i>For 7 In 12 Slope, Add</i>	43.36	
			<i>For 8 To 12 Slope, Add</i>	52.03	
			<i>For 3 In 12 Slope, Add</i>	6.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	495.39	197.84
			For Up To 15, Add	17.37	
			For >35, Deduct	-11.58	
			For 5 To 12 Slope, Add	18.53	
			For 6 To 12 Slope, Add	34.74	
			For 7 In 12 Slope, Add	46.32	
			For 8 To 12 Slope, Add	55.58	
			For 3 In 12 Slope, Add	6.95	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	511.34	137.39
			For Up To 15, Add	17.74	
			For >35, Deduct	-11.83	
			For 5 To 12 Slope, Add	18.92	
			For 6 To 12 Slope, Add	35.48	
			For 7 In 12 Slope, Add	47.31	
			For 8 To 12 Slope, Add	56.77	
			For 3 In 12 Slope, Add	7.10	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	572.35	214.32
			For Up To 15, Add	21.49	
			For >35, Deduct	-14.33	
			For 5 To 12 Slope, Add	22.93	
			For 6 To 12 Slope, Add	42.99	
			For 7 In 12 Slope, Add	57.32	
			For 8 To 12 Slope, Add	68.78	
			For 3 In 12 Slope, Add	8.60	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	632.01	148.38
			For Up To 15, Add	25.14	
			For >35, Deduct	-16.76	
			For 5 To 12 Slope, Add	26.82	
			For 6 To 12 Slope, Add	50.29	
			For 7 In 12 Slope, Add	67.05	
			For 8 To 12 Slope, Add	80.46	
			For 3 In 12 Slope, Add	10.06	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	653.80	153.88
			For Up To 15, Add	25.95	
			For >35, Deduct	-17.30	
			For 5 To 12 Slope, Add	27.68	
			For 6 To 12 Slope, Add	51.91	
			For 7 In 12 Slope, Add	69.21	
			For 8 To 12 Slope, Add	83.05	
			For 3 In 12 Slope, Add	10.38	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	688.66	159.37
			For Up To 15, Add	27.74	
			For >35, Deduct	-18.50	
			For 5 To 12 Slope, Add	29.59	
			For 6 To 12 Slope, Add	55.49	
			For 7 In 12 Slope, Add	73.98	
			For 8 To 12 Slope, Add	88.78	
			For 3 In 12 Slope, Add	11.10	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	803.23	164.87
			For Up To 15, Add	35.51	
			For >35, Deduct	-23.68	
			For 5 To 12 Slope, Add	37.88	
			For 6 To 12 Slope, Add	71.03	
			For 7 In 12 Slope, Add	94.70	
			For 8 To 12 Slope, Add	113.64	
			For 3 In 12 Slope, Add	14.21	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	753.23	148.27
			For Up To 15, Add	31.76	
			For >35, Deduct	-21.18	
			For 5 To 12 Slope, Add	33.88	
			For 6 To 12 Slope, Add	63.53	
			For 7 In 12 Slope, Add	84.70	
			For 8 To 12 Slope, Add	101.64	
			For 3 In 12 Slope, Add	12.71	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	790.17	173.11
			For Up To 15, Add	33.30	
			For >35, Deduct	-22.20	
			For 5 To 12 Slope, Add	35.52	
			For 6 To 12 Slope, Add	66.59	
			For 7 In 12 Slope, Add	88.79	
			For 8 To 12 Slope, Add	106.55	
			For 3 In 12 Slope, Add	13.32	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	822.98	160.47
			For Up To 15, Add	34.93	
			For >35, Deduct	-23.29	
			For 5 To 12 Slope, Add	37.26	
			For 6 To 12 Slope, Add	69.87	
			For 7 In 12 Slope, Add	93.15	
			For 8 To 12 Slope, Add	111.78	
			For 3 In 12 Slope, Add	13.97	
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	854.35	181.36
			For Up To 15, Add	36.87	
			For >35, Deduct	-24.58	
			For 5 To 12 Slope, Add	39.33	
			For 6 To 12 Slope, Add	73.75	
			For 7 In 12 Slope, Add	98.33	
			For 8 To 12 Slope, Add	117.99	
			For 3 In 12 Slope, Add	14.75	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0027	EA	60'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	873.15	184.10
			<i>For Up To 15, Add</i>	37.87	
			<i>For >35, Deduct</i>	-25.25	
			<i>For 5 To 12 Slope, Add</i>	40.40	
			<i>For 6 To 12 Slope, Add</i>	75.74	
			<i>For 7 In 12 Slope, Add</i>	100.99	
			<i>For 8 To 12 Slope, Add</i>	121.19	
			<i>For 3 In 12 Slope, Add</i>	15.15	
06 17 53 00-0028			Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
			Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029	EA	10'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	178.36	57.70
			<i>For 5 To 12 Slope, Add</i>	5.04	
			<i>For 6 To 12 Slope, Add</i>	9.44	
			<i>For 7 In 12 Slope, Add</i>	12.59	
			<i>For 8 To 12 Slope, Add</i>	15.11	
			<i>For 16" On Center Gable Studs, Add</i>	12.59	
			<i>For 3 In 12 Slope, Add</i>	1.89	
06 17 53 00-0030	EA	12'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	199.92	63.20
			<i>For 5 To 12 Slope, Add</i>	5.88	
			<i>For 6 To 12 Slope, Add</i>	11.03	
			<i>For 7 In 12 Slope, Add</i>	14.71	
			<i>For 8 To 12 Slope, Add</i>	17.65	
			<i>For 16" On Center Gable Studs, Add</i>	14.71	
			<i>For 3 In 12 Slope, Add</i>	2.21	
06 17 53 00-0031	EA	14'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	225.87	68.69
			<i>For 5 To 12 Slope, Add</i>	7.08	
			<i>For 6 To 12 Slope, Add</i>	13.27	
			<i>For 7 In 12 Slope, Add</i>	17.70	
			<i>For 8 To 12 Slope, Add</i>	21.24	
			<i>For 16" On Center Gable Studs, Add</i>	17.70	
			<i>For 3 In 12 Slope, Add</i>	2.65	
06 17 53 00-0032	EA	16'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	263.35	74.19
			<i>For 5 To 12 Slope, Add</i>	9.20	
			<i>For 6 To 12 Slope, Add</i>	17.25	
			<i>For 7 In 12 Slope, Add</i>	22.99	
			<i>For 8 To 12 Slope, Add</i>	27.59	
			<i>For 16" On Center Gable Studs, Add</i>	22.99	
			<i>For 3 In 12 Slope, Add</i>	3.45	
06 17 53 00-0033	EA	18'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	294.19	79.69
			<i>For 5 To 12 Slope, Add</i>	10.79	
			<i>For 6 To 12 Slope, Add</i>	20.22	
			<i>For 7 In 12 Slope, Add</i>	26.96	
			<i>For 8 To 12 Slope, Add</i>	32.36	
			<i>For 16" On Center Gable Studs, Add</i>	26.96	
			<i>For 3 In 12 Slope, Add</i>	4.04	
06 17 53 00-0034	EA	20'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	317.72	87.93
			<i>For 5 To 12 Slope, Add</i>	11.35	
			<i>For 6 To 12 Slope, Add</i>	21.28	
			<i>For 7 In 12 Slope, Add</i>	28.37	
			<i>For 8 To 12 Slope, Add</i>	34.05	
			<i>For 16" On Center Gable Studs, Add</i>	28.37	
			<i>For 3 In 12 Slope, Add</i>	4.26	
06 17 53 00-0035	EA	22'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	332.85	93.43
			<i>For 5 To 12 Slope, Add</i>	11.68	
			<i>For 6 To 12 Slope, Add</i>	21.90	
			<i>For 7 In 12 Slope, Add</i>	29.20	
			<i>For 8 To 12 Slope, Add</i>	35.04	
			<i>For 16" On Center Gable Studs, Add</i>	29.20	
			<i>For 3 In 12 Slope, Add</i>	4.38	
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	356.21	98.92
			<i>For 5 To 12 Slope, Add</i>	12.67	
			<i>For 6 To 12 Slope, Add</i>	23.76	
			<i>For 7 In 12 Slope, Add</i>	31.67	
			<i>For 8 To 12 Slope, Add</i>	38.01	
			<i>For 16" On Center Gable Studs, Add</i>	31.67	
			<i>For 3 In 12 Slope, Add</i>	4.75	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	380.92	104.41
			<i>For 5 To 12 Slope, Add</i>	13.77	
			<i>For 6 To 12 Slope, Add</i>	25.81	
			<i>For 7 In 12 Slope, Add</i>	34.42	
			<i>For 8 To 12 Slope, Add</i>	41.30	
			<i>For 16" On Center Gable Studs, Add</i>	34.42	
			<i>For 3 In 12 Slope, Add</i>	5.16	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	407.42	109.91
			<i>For 5 To 12 Slope, Add</i>	15.01	
			<i>For 6 To 12 Slope, Add</i>	28.14	
			<i>For 7 In 12 Slope, Add</i>	37.52	
			<i>For 8 To 12 Slope, Add</i>	45.02	
			<i>For 16" On Center Gable Studs, Add</i>	37.52	
			<i>For 3 In 12 Slope, Add</i>	5.63	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	426.02	115.41
			<i>For 5 To 12 Slope, Add</i>	15.62	
			<i>For 6 To 12 Slope, Add</i>	29.28	
			<i>For 7 In 12 Slope, Add</i>	39.04	
			<i>For 8 To 12 Slope, Add</i>	46.85	
			<i>For 16" On Center Gable Studs, Add</i>	39.04	
			<i>For 3 In 12 Slope, Add</i>	5.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0040	EA		32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	451.03	118.15
			For 5 To 12 Slope, Add	17.18	
			For 6 To 12 Slope, Add	32.21	
			For 7 In 12 Slope, Add	42.94	
			For 8 To 12 Slope, Add	51.53	
			For 16" On Center Gable Studs, Add	42.94	
			For 3 In 12 Slope, Add	6.44	
06 17 53 00-0041	EA		34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	504.74	123.65
			For 5 To 12 Slope, Add	20.60	
			For 6 To 12 Slope, Add	38.62	
			For 7 In 12 Slope, Add	51.49	
			For 8 To 12 Slope, Add	61.79	
			For 16" On Center Gable Studs, Add	51.49	
			For 3 In 12 Slope, Add	7.72	
06 17 53 00-0042	EA		36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	530.53	126.39
			For 5 To 12 Slope, Add	22.22	
			For 6 To 12 Slope, Add	41.66	
			For 7 In 12 Slope, Add	55.55	
			For 8 To 12 Slope, Add	66.66	
			For 16" On Center Gable Studs, Add	55.55	
			For 3 In 12 Slope, Add	8.33	
06 17 53 00-0043	EA		38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	560.47	131.89
			For 5 To 12 Slope, Add	23.73	
			For 6 To 12 Slope, Add	44.50	
			For 7 In 12 Slope, Add	59.34	
			For 8 To 12 Slope, Add	71.20	
			For 16" On Center Gable Studs, Add	59.34	
			For 3 In 12 Slope, Add	8.90	
06 17 53 00-0044	EA		40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	596.91	137.39
			For 5 To 12 Slope, Add	25.77	
			For 6 To 12 Slope, Add	48.32	
			For 7 In 12 Slope, Add	64.43	
			For 8 To 12 Slope, Add	77.31	
			For 16" On Center Gable Studs, Add	64.43	
			For 3 In 12 Slope, Add	9.66	
06 17 53 00-0045	EA		42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	676.02	142.89
			For 5 To 12 Slope, Add	31.22	
			For 6 To 12 Slope, Add	58.54	
			For 7 In 12 Slope, Add	78.05	
			For 8 To 12 Slope, Add	93.66	
			For 16" On Center Gable Studs, Add	78.05	
			For 3 In 12 Slope, Add	11.71	
06 17 53 00-0046	EA		44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	753.27	148.38
			For 5 To 12 Slope, Add	36.52	
			For 6 To 12 Slope, Add	68.48	
			For 7 In 12 Slope, Add	91.30	
			For 8 To 12 Slope, Add	109.56	
			For 16" On Center Gable Studs, Add	91.30	
			For 3 In 12 Slope, Add	13.70	
06 17 53 00-0047	EA		46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	778.97	153.88
			For 5 To 12 Slope, Add	37.70	
			For 6 To 12 Slope, Add	70.68	
			For 7 In 12 Slope, Add	94.24	
			For 8 To 12 Slope, Add	113.09	
			For 16" On Center Gable Studs, Add	94.24	
			For 3 In 12 Slope, Add	14.14	
06 17 53 00-0048	EA		48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	822.44	159.37
			For 5 To 12 Slope, Add	40.30	
			For 6 To 12 Slope, Add	75.55	
			For 7 In 12 Slope, Add	100.74	
			For 8 To 12 Slope, Add	120.89	
			For 16" On Center Gable Studs, Add	100.74	
			For 3 In 12 Slope, Add	15.11	
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	907.71	164.87
			For 5 To 12 Slope, Add	46.24	
			For 6 To 12 Slope, Add	86.70	
			For 7 In 12 Slope, Add	115.60	
			For 8 To 12 Slope, Add	138.72	
			For 16" On Center Gable Studs, Add	115.60	
			For 3 In 12 Slope, Add	17.34	
06 17 53 00-0050	EA		52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	926.42	170.36
			For 5 To 12 Slope, Add	46.86	
			For 6 To 12 Slope, Add	87.85	
			For 7 In 12 Slope, Add	117.14	
			For 8 To 12 Slope, Add	140.57	
			For 16" On Center Gable Studs, Add	117.14	
			For 3 In 12 Slope, Add	17.57	
06 17 53 00-0051	EA		54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	960.21	173.11
			For 5 To 12 Slope, Add	49.12	
			For 6 To 12 Slope, Add	92.10	
			For 7 In 12 Slope, Add	122.80	
			For 8 To 12 Slope, Add	147.36	
			For 16" On Center Gable Studs, Add	122.80	
			For 3 In 12 Slope, Add	18.42	
06 17 53 00-0052	EA		56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,001.36	178.60
			For 5 To 12 Slope, Add	51.53	
			For 6 To 12 Slope, Add	96.62	
			For 7 In 12 Slope, Add	128.83	
			For 8 To 12 Slope, Add	154.60	
			For 16" On Center Gable Studs, Add	128.83	
			For 3 In 12 Slope, Add	19.32	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,042.61	181.36
		<i>For 5 To 12 Slope, Add</i>	54.39	
		<i>For 6 To 12 Slope, Add</i>	101.99	
		<i>For 7 In 12 Slope, Add</i>	135.98	
		<i>For 8 To 12 Slope, Add</i>	163.18	
		<i>For 16" On Center Gable Studs, Add</i>	135.98	
		<i>For 3 In 12 Slope, Add</i>	20.40	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,066.54	184.10
		<i>For 5 To 12 Slope, Add</i>	55.87	
		<i>For 6 To 12 Slope, Add</i>	104.75	
		<i>For 7 In 12 Slope, Add</i>	139.67	
		<i>For 8 To 12 Slope, Add</i>	167.60	
		<i>For 16" On Center Gable Studs, Add</i>	139.67	
		<i>For 3 In 12 Slope, Add</i>	20.95	

06 18 Glued-Laminated Construction (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.44	2.24
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.04	2.81
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	15.66	3.36
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	16.51	3.55
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	18.25	3.93
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	20.86	4.49
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	23.48	5.04
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	24.34	5.23
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	26.09	5.61
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	27.81	5.99
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	28.69	6.18
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	31.29	6.74
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	33.89	7.29
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	36.51	7.86
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	39.13	8.42
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	16.39	3.53
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	20.49	4.42
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	24.60	5.29
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	25.96	5.59
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	28.69	6.18
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	32.79	7.06
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	36.89	7.94
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	38.25	8.23
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	40.99	8.82
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	43.70	9.40
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	45.08	9.71
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	49.18	10.59
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	53.28	11.47
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	57.37	12.35
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	61.48	13.24
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	65.57	14.11
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	30.18	6.50
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	31.85	6.86
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	35.21	7.58
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	40.24	8.66
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	45.28	9.74
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	46.94	10.10
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	50.29	10.82
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	53.64	11.54
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	55.33	11.90
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	60.36	12.99
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	65.38	14.08
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	70.42	15.16
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	75.43	16.23
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	80.47	17.32
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	39.13	8.42
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	41.28	8.88
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	45.64	9.83
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	52.14	11.22
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	58.68	12.62
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	60.84	13.10
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	65.20	14.03
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	69.54	14.97
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	71.72	15.43
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	78.24	16.84
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	84.76	18.23
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	91.28	19.64
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	97.79	21.05
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	104.32	22.45

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.20	1.36
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.27	1.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	5.32	1.28
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06 18 16 Glued-Laminated Columns (06 18)

06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.46	2.78
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.56	3.09
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	33.88	6.59
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column.....	37.63	6.91

06 20 Finish Carpentry (06)

06 22 Millwork (06 20)

06 22 13 Standard Pattern Wood Trim (06 22)

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) (06 22 13)

06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip	2.50	0.79
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip	2.64	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip	3.45	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip	3.92	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)

06 22 13 00-0007 White Pine (06 22 13 00-0006)

06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding	12.32	2.76
			<i>For Birch, Add</i>	3.02	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.17	
			<i>For Poplar, Add</i>	1.68	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.09	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding.....	16.68	3.31
			<i>For Birch, Add</i>	4.31	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	5.85	
			<i>For Poplar, Add</i>	2.39	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.55	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding.....	5.64	1.89
			<i>For Birch, Add</i>	0.90	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.44	
			<i>For Poplar, Add</i>	0.50	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.32	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	6.55	1.89
			<i>For Birch, Add</i>	1.22	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.85	
			<i>For Poplar, Add</i>	0.68	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.44	
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	8.66	2.36
			<i>For Birch, Add</i>	1.70	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.52	
			<i>For Poplar, Add</i>	0.94	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.61	
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	10.15	2.36
			<i>For Birch, Add</i>	2.24	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.19	
			<i>For Poplar, Add</i>	1.24	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.91	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.81	
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	12.66	2.84
			<i>For Birch, Add</i>	2.86	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	4.05	
			<i>For Poplar, Add</i>	1.59	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.09	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.03	
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding	5.88	2.20
			<i>For Birch, Add</i>	0.98	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.54	
			<i>For Poplar, Add</i>	0.55	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.35	
06 22 13 00-0016	LF		9/16" x 1-3/4" White Pine Cove Molding	5.04	1.66
			<i>For Birch, Add</i>	0.96	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.44	
			<i>For Poplar, Add</i>	0.54	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.35	

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	7.91	1.66
		<i>For Birch, Add</i>	2.00	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.73	
		<i>For Poplar, Add</i>	1.11	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.54	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.72	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	2.92	0.95
		<i>For Birch, Add</i>	0.46	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.74	
		<i>For Poplar, Add</i>	0.25	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.17	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	3.24	0.95
		<i>For Birch, Add</i>	0.57	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.88	
		<i>For Poplar, Add</i>	0.32	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.21	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	4.37	1.18
		<i>For Birch, Add</i>	0.86	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.28	
		<i>For Poplar, Add</i>	0.48	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.31	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	4.37	1.18
		<i>For Birch, Add</i>	0.86	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.28	
		<i>For Poplar, Add</i>	0.48	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.31	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	5.82	1.18
		<i>For Birch, Add</i>	1.39	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.93	
		<i>For Poplar, Add</i>	0.77	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.50	
06 22 13 00-0023		Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0024	LF	1-1/8" Diameter Pine Closet Poles	6.95	2.05
06 22 13 00-0025	LF	1-5/8" Diameter Pine Closet Poles	10.85	2.05
06 22 13 00-0026	LF	2" Diameter Pine Closet Poles	15.28	2.28

06 40 Architectural Woodwork (06)**06 41 Architectural Wood Casework** (06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)**06 41 13 00-0001 Wall And Base Cabinets** (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0002 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0001)**06 41 13 00-0003 Base Cabinets, 35" High, 23-3/4" Deep** (06 41 13 00-0002)

06 41 13 00-0004	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	254.38	15.76
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0005	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	270.55	19.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0006	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	282.85	23.64
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0007	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	297.52	27.58
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0008	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	338.20	31.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0009	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	353.47	35.47
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0010	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	382.17	39.40
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
		<i>For All Plywood Box Construction, Add</i>	77.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0011	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	402.49	43.34
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0012	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	414.99	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	74.35	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0013	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	473.14	63.05
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	148.71	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	523.32	39.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	148.71	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0015	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	580.71	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	148.71	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0016	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	549.15	39.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0017	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	612.84	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0018	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	258.16	15.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0019	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	264.25	19.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0020	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	288.52	23.64
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0021	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	306.97	27.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0022	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	319.93	31.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0023	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	335.82	35.47
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0024	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	547.89	39.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0025	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	577.66	43.34
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0026	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	607.17	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0027	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	316.13	15.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0028	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	322.85	19.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0029	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	350.28	23.64
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0030	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	372.50	27.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0031	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	391.76	31.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41	13 00-0032	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	411.44	35.47
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 41 13 00-0033	EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	574.36	39.40
	<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
	<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0034	EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	607.27	43.34
	<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
	<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0035	EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	641.20	47.28
	<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
	<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0036	Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0002)		
06 41 13 00-0037	EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	228.54	39.40
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0038	EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	243.65	43.34
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0039	EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	268.53	47.28
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0040	EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	286.17	51.22
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0041	Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0002)		
06 41 13 00-0042	EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	194.00	15.76
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0043	EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	198.72	19.70
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0044	EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	208.49	23.64
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0045	EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	213.84	27.58
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0046	EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	219.83	31.52
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0047	EA 30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	230.22	39.40
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0048	EA 33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	246.31	43.34
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0049	EA 36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	268.53	47.28
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0050	EA 39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	286.17	51.22
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0051	Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0002)		
06 41 13 00-0052	EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	201.56	15.76
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0053	EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	211.95	19.70
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0054	EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	219.83	23.64
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0055	EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	228.33	27.58
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0056	EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	240.00	31.52
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0057	EA 27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	253.38	35.48
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0058	EA 30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	265.51	39.40
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0059	EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	275.29	43.34
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0060	EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	281.13	47.28
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0061	Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0002)		
06 41 13 00-0062	EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	219.88	15.76
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0063	EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	239.13	19.70
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0064	EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	255.04	23.64
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0065	EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	274.19	27.58
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0066	EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	292.74	31.52
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0067	EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	320.61	35.48
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0068	EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	328.33	39.40
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0069	EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	357.76	43.34
	<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0070	EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	368.26	47.28
	<i>For All Plywood Box Construction, Add</i>	41.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 41 13 00-0071 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0002)					
06 41 13 00-0072	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	246.98	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0073	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	267.49	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0074	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	285.28	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0075	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	305.70	27.58
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0076	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	357.65	31.52
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0077	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	359.68	35.48
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0078	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	372.44	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0079	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	406.90	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0080	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	417.41	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0081 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0002)					
06 41 13 00-0082	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	275.33	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0083	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	300.26	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0084	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	319.31	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0085	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	339.09	27.58
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0086	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	368.99	31.52
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0087	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	393.70	35.48
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0088	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	414.03	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0089	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	452.90	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0090	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	466.56	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0091 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0002)					
06 41 13 00-0092	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	261.82	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0093	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	280.87	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0094	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	301.57	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0095	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	325.78	51.22
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0096	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	384.08	63.05
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0097 Utility Cabinets, 84" High (06 41 13 00-0002)					
06 41 13 00-0098	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	501.63	35.02
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0099	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	566.96	42.03
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0100	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	636.70	329.22
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0101	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	669.27	56.04
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0102	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	808.31	70.04
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0103	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	930.97	84.06
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0104	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	565.90	35.02
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0105	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	625.56	42.03
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0106	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	713.58	49.03
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0107	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	758.11	56.04
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0108	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	938.75	70.04
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0109	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,072.12	84.06
			<i>For All Plywood Box Construction, Add</i>	153.75	
06 41 13 00-0110			Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0001)		
06 41 13 00-0111			Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0110)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0112	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	229.80 74.35 77.50	15.76
06 41	13 00-0113	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	244.09 74.35 77.50	19.70
06 41	13 00-0114	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	255.13 74.35 77.50	23.64
06 41	13 00-0115	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	268.53 74.35 77.50	27.58
06 41	13 00-0116	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	304.18 74.35 77.50	31.52
06 41	13 00-0117	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	318.18 74.35 77.50	35.47
06 41	13 00-0118	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.10 74.35 77.50	39.40
06 41	13 00-0119	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	361.53 74.35 77.50	43.34
06 41	13 00-0120	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.77 74.35 77.50	47.28
06 41	13 00-0121	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.62 148.71 77.50	63.05
06 41	13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	467.87 148.71 77.50	39.40
06 41	13 00-0123	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	518.33 148.71 77.50	47.28
06 41	13 00-0124	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	490.55 223.06 77.50	39.40
06 41	13 00-0125	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	546.68 223.06 77.50	47.28
06 41	13 00-0126	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	233.58 223.06 77.50	15.76
06 41	13 00-0127	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	239.05 223.06 77.50	19.70
06 41	13 00-0128	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	260.17 223.06 77.50	23.64
06 41	13 00-0129	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	276.72 223.06 77.50	27.58
06 41	13 00-0130	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	288.42 223.06 77.50	31.52
06 41	13 00-0131	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	302.43 223.06 77.50	35.47
06 41	13 00-0132	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	489.29 223.06 77.50	39.40
06 41	13 00-0133	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	515.28 223.06 77.50	43.34
06 41	13 00-0134	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.64 223.06 77.50	47.28
06 41	13 00-0135	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	283.99 297.42 77.50	15.76
06 41	13 00-0136	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	290.72 297.42 77.50	19.70

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
06 41 13 00-0137	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	314.99 297.42 77.50	23.64
06 41 13 00-0138	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	334.69 297.42 77.50	27.58
06 41 13 00-0139	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	351.44 297.42 77.50	31.52
06 41 13 00-0140	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	369.22 297.42 77.50	35.47
06 41 13 00-0141	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	512.61 297.42 77.50	39.40
06 41 13 00-0142	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.74 297.42 77.50	43.34
06 41 13 00-0143	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	571.89 297.42 77.50	47.28
06 41 13 00-0144		Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0145	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	207.12 41.59	39.40
06 41 13 00-0146	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	220.33 41.59	43.34
06 41 13 00-0147	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	242.70 41.59	47.28
06 41 13 00-0148	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	258.45 41.59	51.22
06 41 13 00-0149		Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0150	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	176.36 41.59	15.76
06 41 13 00-0151	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	180.45 41.59	19.70
06 41 13 00-0152	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	188.96 41.59	23.64
06 41 13 00-0153	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	194.31 41.59	27.58
06 41 13 00-0154	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	199.67 41.59	31.52
06 41 13 00-0155	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	208.80 41.59	39.40
06 41 13 00-0156	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	222.99 41.59	43.34
06 41 13 00-0157	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	242.70 41.59	47.28
06 41 13 00-0158	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	258.45 41.59	51.22
06 41 13 00-0159		Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0160	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	182.66 41.59	15.76
06 41 13 00-0161	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	191.79 41.59	19.70
06 41 13 00-0162	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	199.04 41.59	23.64
06 41 13 00-0163	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	206.91 41.59	27.58
06 41 13 00-0164	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	217.31 41.59	31.52
06 41 13 00-0165	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	229.43 41.59	35.48
06 41 13 00-0166	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	239.68 41.59	39.40
06 41 13 00-0167	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	248.83 41.59	43.34
06 41 13 00-0168	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	254.04 41.59	47.28
06 41 13 00-0169		Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0170	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	200.35 41.59	15.76
06 41 13 00-0171	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	217.71 41.59	19.70
06 41 13 00-0172	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	231.72 41.59	23.64
06 41 13 00-0173	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	248.36 41.59	27.58
06 41 13 00-0174	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	265.02 41.59	31.52

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0175	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	289.73 41.59	35.48
06 41	13 00-0176	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	296.82 41.59	39.40
06 41	13 00-0177	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	322.47 41.59	43.34
06 41	13 00-0178	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	332.34 41.59	47.28
06 41 13 00-0179 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0110)					
06 41	13 00-0180	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	224.29 41.59	15.76
06 41	13 00-0181	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	242.28 41.59	19.70
06 41	13 00-0182	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	258.19 41.59	23.64
06 41	13 00-0183	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	276.08 41.59	27.58
06 41	13 00-0184	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	322.36 41.59	31.52
06 41	13 00-0185	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	323.76 41.59	35.48
06 41	13 00-0186	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	335.26 41.59	39.40
06 41	13 00-0187	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	365.95 41.59	43.34
06 41	13 00-0188	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	375.19 41.59	47.28
06 41 13 00-0189 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0110)					
06 41	13 00-0190	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	248.87 41.59	15.76
06 41	13 00-0191	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	271.27 41.59	19.70
06 41	13 00-0192	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	288.43 41.59	23.64
06 41	13 00-0193	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	305.70 41.59	27.58
06 41	13 00-0194	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	332.44 41.59	31.52
06 41	13 00-0195	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	354.01 41.59	35.48
06 41	13 00-0196	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.81 41.59	39.40
06 41	13 00-0197	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	406.27 41.59	43.34
06 41	13 00-0198	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	418.67 41.59	47.28
06 41 13 00-0199 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0110)					
06 41	13 00-0200	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	237.24 41.59	39.40
06 41	13 00-0201	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	254.41 41.59	43.34
06 41	13 00-0202	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	272.58 41.59	47.28
06 41	13 00-0203	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	294.27 41.59	51.22
06 41	13 00-0204	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	345.64 41.59	63.05
06 41 13 00-0205 Utility Cabinets, 84" High (06 41 13 00-0110)					
06 41	13 00-0206	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	456.26 153.75	35.02
06 41	13 00-0207	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	515.29 153.75	42.03
06 41	13 00-0208	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	578.10 153.75	329.22
06 41	13 00-0209	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	608.15 153.75	56.04
06 41	13 00-0210	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	731.44 153.75	70.04
06 41	13 00-0211	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	840.87 153.75	84.06
06 41	13 00-0212	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	512.97 153.75	35.02
06 41	13 00-0213	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	566.96 153.75	42.03
06 41	13 00-0214	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	645.52 153.75	49.03
06 41	13 00-0215	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	686.28 153.75	56.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0216	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	846.12 153.75	70.04
06 41 13 00-0217	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	965.00 153.75	84.06
06 41 13 00-0218			Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0001)		
06 41 13 00-0219			Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0218)		
06 41 13 00-0220	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	229.80 74.35 77.50	15.76
06 41 13 00-0221	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	244.09 74.35 77.50	19.70
06 41 13 00-0222	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	255.13 74.35 77.50	23.64
06 41 13 00-0223	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	268.53 74.35 77.50	27.58
06 41 13 00-0224	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	304.18 74.35 77.50	31.52
06 41 13 00-0225	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	318.18 74.35 77.50	35.47
06 41 13 00-0226	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.10 74.35 77.50	39.40
06 41 13 00-0227	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	361.53 74.35 77.50	43.34
06 41 13 00-0228	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.77 74.35 77.50	47.28
06 41 13 00-0229	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.62 148.71 77.50	63.05
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	467.87 148.71 77.50	39.40
06 41 13 00-0231	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	518.33 148.71 77.50	47.28
06 41 13 00-0232	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	490.55 223.06 77.50	39.40
06 41 13 00-0233	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	546.68 223.06 77.50	47.28
06 41 13 00-0234	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	233.58 223.06 77.50	15.76
06 41 13 00-0235	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	239.05 223.06 77.50	19.70
06 41 13 00-0236	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	260.17 223.06 77.50	23.64
06 41 13 00-0237	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	276.72 223.06 77.50	27.58
06 41 13 00-0238	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	288.42 223.06 77.50	31.52
06 41 13 00-0239	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	302.43 223.06 77.50	35.47

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0240	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	489.29	39.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0241	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	515.28	43.34
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0242	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	541.64	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	223.06	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0243	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	283.99	15.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0244	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	290.72	19.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0245	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	314.99	23.64
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0246	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	334.69	27.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0247	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	351.44	31.52
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0248	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	369.22	35.47
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0249	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	512.61	39.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0250	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	541.74	43.34
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0251	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	571.89	47.28
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	297.42	
			<i>For All Plywood Box Construction, Add</i>	77.50	
06 41 13 00-0252			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0253	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	207.12	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0254	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	220.33	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0255	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	242.70	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0256	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	258.45	51.22
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0257			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0258	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	176.36	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0259	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	180.45	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0260	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	188.96	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0261	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	194.31	27.58
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0262	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	199.67	31.52
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0263	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	208.80	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0264	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	222.99	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0265	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	242.70	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0266	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	258.45	51.22
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0267			Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0268	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	182.66	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0269	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	191.79	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0270	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	199.04	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0271	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	206.91 41.59	27.58
06 41 13 00-0272	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	217.31 41.59	31.52
06 41 13 00-0273	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	229.43 41.59	35.48
06 41 13 00-0274	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	239.68 41.59	39.40
06 41 13 00-0275	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	248.83 41.59	43.34
06 41 13 00-0276	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	254.04 41.59	47.28
06 41 13 00-0277 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0278	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	200.35 41.59	15.76
06 41 13 00-0279	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	217.71 41.59	19.70
06 41 13 00-0280	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	231.72 41.59	23.64
06 41 13 00-0281	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	248.36 41.59	27.58
06 41 13 00-0282	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	265.02 41.59	31.52
06 41 13 00-0283	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	289.73 41.59	35.48
06 41 13 00-0284	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	296.82 41.59	39.40
06 41 13 00-0285	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	322.47 41.59	43.34
06 41 13 00-0286	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	332.34 41.59	47.28
06 41 13 00-0287 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0288	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	224.29 41.59	15.76
06 41 13 00-0289	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	242.28 41.59	19.70
06 41 13 00-0290	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	258.19 41.59	23.64
06 41 13 00-0291	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	276.08 41.59	27.58
06 41 13 00-0292	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	322.36 41.59	31.52
06 41 13 00-0293	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	323.76 41.59	35.48
06 41 13 00-0294	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	335.26 41.59	39.40
06 41 13 00-0295	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	365.95 41.59	43.34
06 41 13 00-0296	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	375.19 41.59	47.28
06 41 13 00-0297 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0298	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	248.87 41.59	15.76
06 41 13 00-0299	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	271.27 41.59	19.70
06 41 13 00-0300	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	288.43 41.59	23.64
06 41 13 00-0301	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	305.70 41.59	27.58
06 41 13 00-0302	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	332.44 41.59	31.52
06 41 13 00-0303	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	354.01 41.59	35.48
06 41 13 00-0304	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	371.81 41.59	39.40
06 41 13 00-0305	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	406.27 41.59	43.34
06 41 13 00-0306	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	418.67 41.59	47.28
06 41 13 00-0307 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0218)					
06 41 13 00-0308	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	237.24 41.59	39.40
06 41 13 00-0309	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	254.41 41.59	43.34
06 41 13 00-0310	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	272.58 41.59	47.28
06 41 13 00-0311	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	294.27 41.59	51.22

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0312	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	345.64 41.59	63.05
06 41 13 00-0313 Utility Cabinets, 84" High (06 41 13 00-0218)					
06 41	13 00-0314	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	456.26 153.75	35.02
06 41	13 00-0315	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	515.29 153.75	42.03
06 41	13 00-0316	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	578.10 153.75	329.22
06 41	13 00-0317	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	608.15 153.75	56.04
06 41	13 00-0318	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	731.44 153.75	70.04
06 41	13 00-0319	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	840.87 153.75	84.06
06 41	13 00-0320	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	512.97 153.75	35.02
06 41	13 00-0321	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	566.96 153.75	42.03
06 41	13 00-0322	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	645.52 153.75	49.03
06 41	13 00-0323	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	686.28 153.75	56.04
06 41	13 00-0324	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	846.12 153.75	70.04
06 41	13 00-0325	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	965.00 153.75	84.06
06 41 13 00-0326 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets (06 41 13 00-0001)					
06 41 13 00-0327 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0326)					
06 41	13 00-0328	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	229.80 74.35 77.50	15.76
06 41	13 00-0329	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	244.09 74.35 77.50	19.70
06 41	13 00-0330	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	255.13 74.35 77.50	23.64
06 41	13 00-0331	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	268.53 74.35 77.50	27.58
06 41	13 00-0332	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	304.18 74.35 77.50	31.52
06 41	13 00-0333	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	318.18 74.35 77.50	35.47
06 41	13 00-0334	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	343.10 74.35 77.50	39.40
06 41	13 00-0335	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	361.53 74.35 77.50	43.34
06 41	13 00-0336	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	372.77 74.35 77.50	47.28
06 41	13 00-0337	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	424.62 148.71 77.50	63.05
06 41	13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	467.87 148.71 77.50	39.40
06 41	13 00-0339	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	518.33 148.71 77.50	47.28
06 41	13 00-0340	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	490.55 223.06 77.50	39.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0341	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	546.68 223.06 77.50	47.28
06 41 13 00-0342	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	233.58 223.06 77.50	15.76
06 41 13 00-0343	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	239.05 223.06 77.50	19.70
06 41 13 00-0344	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	260.17 223.06 77.50	23.64
06 41 13 00-0345	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	276.72 223.06 77.50	27.58
06 41 13 00-0346	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	288.42 223.06 77.50	31.52
06 41 13 00-0347	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	302.43 223.06 77.50	35.47
06 41 13 00-0348	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	489.29 223.06 77.50	39.40
06 41 13 00-0349	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	515.28 223.06 77.50	43.34
06 41 13 00-0350	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.64 223.06 77.50	47.28
06 41 13 00-0351	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	283.99 297.42 77.50	15.76
06 41 13 00-0352	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	290.72 297.42 77.50	19.70
06 41 13 00-0353	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	314.99 297.42 77.50	23.64
06 41 13 00-0354	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	334.69 297.42 77.50	27.58
06 41 13 00-0355	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	351.44 297.42 77.50	31.52
06 41 13 00-0356	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	369.22 297.42 77.50	35.47
06 41 13 00-0357	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	512.61 297.42 77.50	39.40
06 41 13 00-0358	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.74 297.42 77.50	43.34
06 41 13 00-0359	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	571.89 297.42 77.50	47.28
06 41 13 00-0360			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0325)		
06 41 13 00-0361	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	207.12 41.59	39.40
06 41 13 00-0362	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	220.33 41.59	43.34
06 41 13 00-0363	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	242.70 41.59	47.28

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 41 13 00-0364	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	258.45	51.22
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0365 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0326)				
06 41 13 00-0366	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	176.36	15.76
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0367	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	180.45	19.70
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0368	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	188.96	23.64
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0369	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	194.31	27.58
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0370	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	199.67	31.52
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0371	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	208.80	39.40
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0372	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	222.99	43.34
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0373	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	242.70	47.28
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0374	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	258.45	51.22
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0375 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0326)				
06 41 13 00-0376	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	182.66	15.76
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0377	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	191.79	19.70
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0378	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	199.04	23.64
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0379	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	206.91	27.58
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0380	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	217.31	31.52
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0381	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	229.43	35.48
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0382	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	239.68	39.40
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0383	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	248.83	43.34
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0384	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	254.04	47.28
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0385 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0326)				
06 41 13 00-0386	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	200.35	15.76
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0387	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	217.71	19.70
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0388	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	231.72	23.64
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0389	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	248.36	27.58
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0390	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	265.02	31.52
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0391	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	289.73	35.48
		<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0392	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	296.82	39.40
		<i>For All Plywood Box Construction, Add</i>	41.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0393	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	322.47	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0394	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	332.34	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0395			Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0326)		
06 41 13 00-0396	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	224.29	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0397	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	242.28	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0398	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	258.19	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0399	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	276.08	27.58
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0400	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	322.36	31.52
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0401	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	323.76	35.48
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0402	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	335.26	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0403	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	365.95	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0404	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	375.19	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0405			Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0326)		
06 41 13 00-0406	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	248.87	15.76
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0407	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	271.27	19.70
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0408	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	288.43	23.64
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0409	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	305.70	27.58
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0410	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	332.44	31.52
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0411	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	354.01	35.48
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0412	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	371.81	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0413	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	406.27	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0414	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	418.67	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0415			Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0326)		
06 41 13 00-0416	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	237.24	39.40
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0417	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	254.41	43.34
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0418	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	272.58	47.28
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0419	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	294.27	51.22
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0420	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	345.64	63.05
			<i>For All Plywood Box Construction, Add</i>	41.59	
06 41 13 00-0421			Utility Cabinets, 84" High (06 41 13 00-0326)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0422	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	456.26		35.02
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0423	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	515.29		42.03
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0424	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	578.10		329.22
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0425	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	608.15		56.04
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0426	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	731.44		70.04
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0427	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	840.87		84.06
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0428	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	512.97		35.02
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0429	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	566.96		42.03
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0430	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	645.52		49.03
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0431	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	686.28		56.04
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0432	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	846.12		70.04
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0433	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	965.00		84.06
		<i>For All Plywood Box Construction, Add</i>	153.75		
06 41 13 00-0434		Removal And Reinstallation Of Cabinet Or Counters (06 41 13)			
		Note: Includes storage, cleaning and supply materials. Any height or width.			
06 41 13 00-0435	LF	Remove And Reinstall Base Cabinets	60.29		
06 41 13 00-0436	LF	Removal And Reinstallation Of Wall Cabinets	52.42		
06 41 13 00-0437	LF	Removal And Reinstallation Of Plastic Laminated Countertops	12.25		
06 41 93		Cabinet and Drawer Hardware (06 41)			
06 41 93 00-0001		Residential Cabinet Repairs (06 41 93)			
06 41 93 00-0002	EA	Removal And Replacement Of Residential Cabinet Door.....	61.07		
		Note: Includes all hardware.			
06 41 93 00-0003	EA	Removal And Replacement Of Residential Cabinet Drawer	73.30		
		Note: Includes all hardware.			
06 41 93 00-0004	PR	Removal And Replacement Of Residential Drawer Guides	36.06		
06 41 93 00-0005	EA	Removal And Replacement Of Residential Knob/Pull.....	22.04		
06 41 93 00-0006	PR	Removal And Replacement Of Residential Hinges.....	17.47		
06 42		Wood Paneling (06 40)			
		Note: Includes glue for installation.			
06 42 19		Plastic-Laminate-Faced Wood Paneling (06 42)			
06 42 19 00-0001		Plastic Laminate (06 42 19)			
		Note: Standard colors and patterns.			
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel	7.68		2.76
		Note: Includes cutting to fit.			
06 46		Wood Trim (06 40)			
06 46 13		Wood Door and Window Casings (06 46)			
06 46 13 00-0001		Door and Window Casings (06 46 13)			
06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	3.97		1.26
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65		
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	4.02		1.26
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65		
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	5.26		1.26
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65		
06 46 19		Wood Base and Shoe Moldings (06 46)			
06 46 19 00-0001		Base And Shoe Molding (06 46 19)			
06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim.....	3.99		1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75		
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim.....	4.34		1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	5.42	0.95
			<i>For Clear Birch, Add</i>	0.73	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.34	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.41	
			<i>For Clear Poplar, Add</i>	0.45	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	6.55	1.18
			<i>For Clear Birch, Add</i>	0.84	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.57	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.47	
			<i>For Clear Poplar, Add</i>	0.52	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.37	1.34
			<i>For Clear Birch, Add</i>	1.29	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.25	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.73	
			<i>For Clear Poplar, Add</i>	0.81	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe	5.26	1.49
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe.....	5.05	1.49
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	6.87	1.41
			<i>For Birch, Add</i>	1.19	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.99	
			<i>For Poplar, Add</i>	0.74	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	8.75	1.41
			<i>For Birch, Add</i>	1.79	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.84	
			<i>For Poplar, Add</i>	1.12	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	5.08	1.41
			<i>For Birch, Add</i>	0.87	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.46	
			<i>For Poplar, Add</i>	0.54	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	4.84	1.41
			<i>For Birch, Add</i>	0.61	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.08	
			<i>For Poplar, Add</i>	0.76	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	6.34	1.49
			<i>For Birch, Add</i>	1.10	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.71	
			<i>For Poplar, Add</i>	1.38	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	9.26	1.57
			<i>For Birch, Add</i>	2.10	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.97	
			<i>For Poplar, Add</i>	2.63	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	10.83	1.57
			<i>For Birch, Add</i>	2.61	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.62	
			<i>For Poplar, Add</i>	3.26	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	12.65	1.66
			<i>For Birch, Add</i>	3.20	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.38	
			<i>For Poplar, Add</i>	4.01	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	16.60	1.81
			<i>For Birch, Add</i>	4.56	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	6.09	
			<i>For Poplar, Add</i>	5.70	
06 46 29 Wood Fasciae and Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board.....	4.25	1.57
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board.....	4.97	1.75
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board.....	5.50	1.84
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board.....	6.66	2.06
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board.....	4.17	1.57
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board.....	4.85	1.75
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board.....	5.66	1.84
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board.....	7.17	2.06
06 46 29 00-0011 Cedar Fascia Board (06 46 29 00-0001)					
06 46 29 00-0012	LF		1" x 6" Cedar Fascia Board.....	4.78	1.57
06 46 29 00-0013	LF		1" x 8" Cedar Fascia Board.....	5.79	1.75
06 46 29 00-0014	LF		1" x 10" Cedar Fascia Board.....	7.08	1.84
06 46 29 00-0015	LF		1" x 12" Cedar Fascia Board.....	8.88	2.06
06 46 29 00-0016 Engineered Wood Fascia Board (06 46 29 00-0001)					
06 46 29 00-0017	LF		1" x 6" Engineered Wood Fascia Board.....	3.95	1.57

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board.....	4.56	1.75
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board.....	5.71	2.06

06 46 29 00-0020 Soffit (06 46 29)**06 46 29 00-0021 Sanded Plywood Soffit** (06 46 29 00-0020)

06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit.....	4.43	1.20
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit.....	5.03	1.26
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit.....	5.29	1.31
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit.....	6.09	1.38

06 46 29 00-0026 MDO Plywood Soffit (06 46 29 00-0020)

06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit.....	5.38	1.20
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit.....	6.23	1.26
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit.....	8.42	1.38

06 46 29 00-0030 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)

06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	2.61	1.04
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	2.83	1.09

06 50 Structural Plastics (06)**06 51 Structural Plastic Shapes and Plates** (06 50)**06 51 13 Plastic Lumber** (06 51)**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** (06 51 13)

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber.....	9.02	1.28
		<i>For Reinforced Structural Plastic Lumber, Add</i>	2.66	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.65	
		<i>For White Color, Add</i>	3.06	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.59	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.44	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber.....	11.54	1.39
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.53	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.86	
		<i>For White Color, Add</i>	4.06	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.44	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.91	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber.....	13.85	1.50
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.33	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.05	
		<i>For White Color, Add</i>	4.97	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.21	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.34	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber.....	20.27	1.78
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.56	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.60	
		<i>For White Color, Add</i>	7.54	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.38	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.55	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber.....	24.29	2.00
		<i>For Reinforced Structural Plastic Lumber, Add</i>	7.93	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.93	
		<i>For White Color, Add</i>	9.11	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.71	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-4.29	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	13.01	1.73
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.90	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.95	
		<i>For White Color, Add</i>	4.48	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.80	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.11	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	17.60	1.84
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.54	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.35	
		<i>For White Color, Add</i>	6.37	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.39	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.00	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	18.33	1.89
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.78	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.41	
		<i>For White Color, Add</i>	6.64	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.62	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	25.37	2.06
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.30	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.02	
			<i>For White Color, Add</i>	9.53	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.07	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-4.49	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	34.71	2.17
			<i>For Reinforced Structural Plastic Lumber, Add</i>	11.69	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.84	
			<i>For White Color, Add</i>	13.43	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.38	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-6.32	
06 51 13 00-0012			Joists, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber.....	5.88	0.72
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.79	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.44	
			<i>For White Color, Add</i>	2.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.75	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-0.97	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber.....	8.22	0.76
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.66	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.65	
			<i>For White Color, Add</i>	3.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.59	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.44	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber.....	10.74	0.84
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.53	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.86	
			<i>For White Color, Add</i>	4.06	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.44	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.91	
06 51 13 00-0016	LF		2" x 10", Joist, Recycled Plastic Lumber.....	13.13	1.00
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.33	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.05	
			<i>For White Color, Add</i>	4.97	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.21	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.34	
06 51 13 00-0017	LF		3" x 10", Joist, Recycled Plastic Lumber.....	19.40	1.17
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.56	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.60	
			<i>For White Color, Add</i>	7.54	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.38	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.55	
06 51 13 00-0018	LF		3" x 12", Joist, Recycled Plastic Lumber.....	23.58	1.50
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.93	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.93	
			<i>For White Color, Add</i>	9.11	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.71	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-4.29	
06 51 13 00-0019	LF		4" x 4", Joist, Recycled Plastic Lumber.....	12.06	1.05
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.90	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.95	
			<i>For White Color, Add</i>	4.48	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.80	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.11	
06 51 13 00-0020	LF		4" x 6", Joist, Recycled Plastic Lumber.....	16.56	1.11
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.54	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.35	
			<i>For White Color, Add</i>	6.37	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.39	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.00	
06 51 13 00-0021	LF		5" x 5", Joist, Recycled Plastic Lumber.....	17.37	1.23
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.78	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.41	
			<i>For White Color, Add</i>	6.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.62	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.12	
06 51 13 00-0022	LF		6" x 6", Joist, Recycled Plastic Lumber.....	24.41	1.39
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.30	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.02	
			<i>For White Color, Add</i>	9.53	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.07	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-4.49	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 51 13 00-0023	LF 6" x 8", Joist, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	33.75 11.69 2.84 13.43 11.38 -6.32	1.50
06 51 13 00-0024	Columns, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0025	LF 4" x 4", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	13.81 3.90 0.95 4.48 3.80 -2.11	2.28
06 51 13 00-0026	LF 4" x 6", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	19.59 5.54 1.35 6.37 5.39 -3.00	3.23
06 51 13 00-0027	LF 5" x 5", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	20.78 5.78 1.41 6.64 5.62 -3.12	3.62
06 51 13 00-0028	LF 6" x 6", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	28.31 8.30 2.02 9.53 8.07 -4.49	4.12
06 51 13 00-0029	LF 6" x 8", Column, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	38.83 11.69 2.84 13.43 11.38 -6.32	5.06
06 51 13 00-0030	Walls, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0031	LF 2" x 3", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	5.26 1.57 0.38 1.80 1.52 -0.85	0.72
06 51 13 00-0032	LF 2" x 4", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	6.05 1.79 0.44 2.06 1.75 -0.97	0.84
06 51 13 00-0033	LF 2" x 6", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	8.46 2.66 0.65 3.06 2.59 -1.44	0.89
06 51 13 00-0034	LF 2" x 8", Walls, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	10.90 3.53 0.86 4.06 3.44 -1.91	0.94
06 51 13 00-0035	Other Shapes, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0036	LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber..... <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	5.14 1.54 0.38 1.77 1.50 -0.83	0.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	.....	6.56	0.72
		For Reinforced Structural Plastic Lumber, Add		2.05	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.50	
		For White Color, Add		2.35	
		For All Other Colors (Except Black, Brown Or White), Add		1.99	
		For Composite Wood/Plastic Lumber, Deduct		-1.11	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	.....	8.63	0.72
		For Reinforced Structural Plastic Lumber, Add		2.81	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.68	
		For White Color, Add		3.23	
		For All Other Colors (Except Black, Brown Or White), Add		2.74	
		For Composite Wood/Plastic Lumber, Deduct		-1.52	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	.....	5.17	0.63
		For Reinforced Structural Plastic Lumber, Add		1.55	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.38	
		For White Color, Add		1.79	
		For All Other Colors (Except Black, Brown Or White), Add		1.51	
		For Composite Wood/Plastic Lumber, Deduct		-0.84	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	.....	5.72	0.72
		For Reinforced Structural Plastic Lumber, Add		1.74	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.42	
		For White Color, Add		1.99	
		For All Other Colors (Except Black, Brown Or White), Add		1.69	
		For Composite Wood/Plastic Lumber, Deduct		-0.94	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	.....	5.83	0.72
		For Reinforced Structural Plastic Lumber, Add		1.78	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.43	
		For White Color, Add		2.04	
		For All Other Colors (Except Black, Brown Or White), Add		1.73	
		For Composite Wood/Plastic Lumber, Deduct		-0.96	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	.....	3.56	0.61
		For Reinforced Structural Plastic Lumber, Add		0.99	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.24	
		For White Color, Add		1.14	
		For All Other Colors (Except Black, Brown Or White), Add		0.96	
		For Composite Wood/Plastic Lumber, Deduct		-0.54	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	.....	5.26	0.72
		For Reinforced Structural Plastic Lumber, Add		1.57	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.38	
		For White Color, Add		1.80	
		For All Other Colors (Except Black, Brown Or White), Add		1.52	
		For Composite Wood/Plastic Lumber, Deduct		-0.85	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	.....	6.05	0.84
		For Reinforced Structural Plastic Lumber, Add		1.79	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.44	
		For White Color, Add		2.06	
		For All Other Colors (Except Black, Brown Or White), Add		1.75	
		For Composite Wood/Plastic Lumber, Deduct		-0.97	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	.....	8.46	0.89
		For Reinforced Structural Plastic Lumber, Add		2.66	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.65	
		For White Color, Add		3.06	
		For All Other Colors (Except Black, Brown Or White), Add		2.59	
		For Composite Wood/Plastic Lumber, Deduct		-1.44	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	.....	10.90	0.94
		For Reinforced Structural Plastic Lumber, Add		3.53	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.86	
		For White Color, Add		4.06	
		For All Other Colors (Except Black, Brown Or White), Add		3.44	
		For Composite Wood/Plastic Lumber, Deduct		-1.91	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	.....	13.13	1.00
		For Reinforced Structural Plastic Lumber, Add		4.33	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.05	
		For White Color, Add		4.97	
		For All Other Colors (Except Black, Brown Or White), Add		4.21	
		For Composite Wood/Plastic Lumber, Deduct		-2.34	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	.....	15.89	1.05
		For Reinforced Structural Plastic Lumber, Add		5.32	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.30	
		For White Color, Add		6.12	
		For All Other Colors (Except Black, Brown Or White), Add		5.18	
		For Composite Wood/Plastic Lumber, Deduct		-2.88	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	.....	8.68	0.97
		For Reinforced Structural Plastic Lumber, Add		2.70	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.66	
		For White Color, Add		3.10	
		For All Other Colors (Except Black, Brown Or White), Add		2.62	
		For Composite Wood/Plastic Lumber, Deduct		-1.46	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	12.79	1.04
		For Reinforced Structural Plastic Lumber, Add	4.18	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.02	
		For White Color, Add	4.81	
		For All Other Colors (Except Black, Brown Or White), Add	4.07	
		For Composite Wood/Plastic Lumber, Deduct	-2.26	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	16.70	1.11
		For Reinforced Structural Plastic Lumber, Add	5.60	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.36	
		For White Color, Add	6.43	
		For All Other Colors (Except Black, Brown Or White), Add	5.45	
		For Composite Wood/Plastic Lumber, Deduct	-3.03	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	19.40	1.17
		For Reinforced Structural Plastic Lumber, Add	6.56	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.60	
		For White Color, Add	7.54	
		For All Other Colors (Except Black, Brown Or White), Add	6.38	
		For Composite Wood/Plastic Lumber, Deduct	-3.55	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	23.58	1.50
		For Reinforced Structural Plastic Lumber, Add	7.93	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.93	
		For White Color, Add	9.11	
		For All Other Colors (Except Black, Brown Or White), Add	7.71	
		For Composite Wood/Plastic Lumber, Deduct	-4.29	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	12.06	1.05
		For Reinforced Structural Plastic Lumber, Add	3.90	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	0.95	
		For White Color, Add	4.48	
		For All Other Colors (Except Black, Brown Or White), Add	3.80	
		For Composite Wood/Plastic Lumber, Deduct	-2.11	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	16.56	1.11
		For Reinforced Structural Plastic Lumber, Add	5.54	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.35	
		For White Color, Add	6.37	
		For All Other Colors (Except Black, Brown Or White), Add	5.39	
		For Composite Wood/Plastic Lumber, Deduct	-3.00	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	22.33	1.21
		For Reinforced Structural Plastic Lumber, Add	7.63	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.85	
		For White Color, Add	8.76	
		For All Other Colors (Except Black, Brown Or White), Add	7.42	
		For Composite Wood/Plastic Lumber, Deduct	-4.12	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	17.37	1.23
		For Reinforced Structural Plastic Lumber, Add	5.78	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	1.41	
		For White Color, Add	6.64	
		For All Other Colors (Except Black, Brown Or White), Add	5.62	
		For Composite Wood/Plastic Lumber, Deduct	-3.12	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	24.41	1.39
		For Reinforced Structural Plastic Lumber, Add	8.30	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.02	
		For White Color, Add	9.53	
		For All Other Colors (Except Black, Brown Or White), Add	8.07	
		For Composite Wood/Plastic Lumber, Deduct	-4.49	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	33.75	1.50
		For Reinforced Structural Plastic Lumber, Add	11.69	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	2.84	
		For White Color, Add	13.43	
		For All Other Colors (Except Black, Brown Or White), Add	11.38	
		For Composite Wood/Plastic Lumber, Deduct	-6.32	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	47.72	1.67
		For Reinforced Structural Plastic Lumber, Add	16.78	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	4.08	
		For White Color, Add	19.27	
		For All Other Colors (Except Black, Brown Or White), Add	16.32	
		For Composite Wood/Plastic Lumber, Deduct	-9.07	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	42.42	1.61
		For Reinforced Structural Plastic Lumber, Add	14.85	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	3.61	
		For White Color, Add	17.06	
		For All Other Colors (Except Black, Brown Or White), Add	14.45	
		For Composite Wood/Plastic Lumber, Deduct	-8.03	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	72.64	1.67
		For Reinforced Structural Plastic Lumber, Add	26.00	
		Note: High density polyethylene combined with fiberglass.		
		For Brown Color, Add	6.32	
		For White Color, Add	29.86	
		For All Other Colors (Except Black, Brown Or White), Add	25.29	
		For Composite Wood/Plastic Lumber, Deduct	-14.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0063	LF		10" x 10", Other Shapes, Recycled Plastic Lumber.....	100.87	1.75
			<i>For Reinforced Structural Plastic Lumber, Add</i>	36.40	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	8.86	
			<i>For White Color, Add</i>	41.82	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	35.42	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-19.68	
06 51 13 00-0064	LF		2" Diameter, Other Shapes, Recycled Plastic Lumber.....	3.83	0.55
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.12	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.27	
			<i>For White Color, Add</i>	1.29	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.09	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-0.61	
06 51 13 00-0065	LF		3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber.....	11.12	0.72
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.73	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.91	
			<i>For White Color, Add</i>	4.29	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.63	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.02	
06 51 13 00-0066	LF		4" Diameter, Other Shapes, Recycled Plastic Lumber.....	12.26	0.84
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.10	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.00	
			<i>For White Color, Add</i>	4.70	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.99	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.21	
06 51 13 00-0067	LF		5" Diameter, Other Shapes, Recycled Plastic Lumber.....	15.19	1.00
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.09	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.24	
			<i>For White Color, Add</i>	5.85	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.95	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.75	
06 51 13 00-0068	LF		6" Diameter, Other Shapes, Recycled Plastic Lumber.....	33.77	1.17
			<i>For Reinforced Structural Plastic Lumber, Add</i>	11.88	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.89	
			<i>For White Color, Add</i>	13.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	11.56	
			<i>For Composite Wood/Plastic Lumber, Deduct</i>	-6.42	
06 51 13 00-0069	SF		1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.06	0.61
06 51 13 00-0070	SF		1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.53	0.63
06 51 13 00-0071	SF		3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.58	0.67
06 51 13 00-0072	SF		1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	8.41	0.70

06 53 Plastic Decking (06 50)

06 53 16 Plastic Stair Treads (06 53)

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF		1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer.....	30.88	2.06
06 53 16 00-0003	LF		1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer.....	41.82	2.47
06 53 16 00-0004	LF		2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer.....	61.16	2.72

06 60 Plastic Fabrications (06)

06 65 Plastic Trim (06 60)

06 65 00 00-0001 Plastic Moldings (06 65)

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding.....	4.96	1.57
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding.....	6.03	1.97
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding.....	4.52	1.66

06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding.....	4.50	1.57
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding.....	5.72	1.66
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding.....	8.08	1.74
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding.....	9.36	1.81
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding.....	10.85	1.89
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding.....	14.05	1.97

06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	8.58	1.57
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	11.54	1.97
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	12.07	1.97
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	12.59	1.97
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	16.49	2.36
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	19.73	2.36

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 65 00 00-0020	Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021	LF 11/16" x 1-3/8" Dentil, Plastic Molding	7.19	1.57
06 65 00 00-0022	LF 5/8" x 2-1/2" Dentil, Plastic Molding	8.18	1.57
06 65 00 00-0023	LF 1-3/8" x 3-3/8" Dentil, Plastic Molding	10.41	1.57
06 65 00 00-0024	LF 1-1/2" x 4-1/2" Dentil, Plastic Molding	14.26	1.57
06 65 00 00-0025	Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026	LF 3/8" x 3/8" Cove, Plastic Molding	2.66	0.87
06 65 00 00-0027	LF 1/2" x 1/2" Cove, Plastic Molding	2.93	0.87
06 65 00 00-0028	LF 5/8" x 5/8" Cove, Plastic Molding	3.89	1.02
06 65 00 00-0029	LF 3/4" x 3/4" Cove, Plastic Molding	3.89	1.02
06 65 00 00-0030	LF 15/16" x 15/16" Cove, Plastic Molding	5.04	1.02
06 65 00 00-0031	LF 9/16" x 1-3/4" Cove, Plastic Molding	6.64	1.18
06 65 00 00-0032	LF 11/16" x 2-3/4" Cove, Plastic Molding	9.08	1.18
06 65 00 00-0033	Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF 1/2" x 1-5/8" Chair Rail, Plastic Molding	4.53	1.18
06 65 00 00-0035	LF 5/8" x 2-1/2" Chair Rail, Plastic Molding	6.12	1.57
06 65 00 00-0036	LF 5/8" x 3-1/2" Chair Rail, Plastic Molding	7.62	1.57
06 65 00 00-0037	Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF 1-1/8" Wide, Door, Plastic Molding	3.74	1.41
06 65 00 00-0039	LF 1-1/8" Wide, Detailed Door, Plastic Molding	3.77	1.41
06 65 00 00-0040	Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding	3.85	1.66
06 65 00 00-0042	LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding	4.39	1.66
06 65 00 00-0043	LF 1-1/4" x 2" Brick Mould, Plastic Molding	7.55	1.57
06 65 00 00-0044	LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	9.62	1.57
06 65 00 00-0045	LF 11/16" x 1-5/8" Drip Cap, Plastic Molding	5.55	1.57
06 65 00 00-0046	LF 2-3/4" x 2" Water Table, Plastic Molding	11.12	1.57
06 65 00 00-0047	LF 3/8" x 2" Garage Door Stop, Plastic Molding	6.68	1.57
06 65 00 00-0048	Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)		
	Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF 1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	6.45	0.63
06 65 00 00-0050	LF 1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	9.85	0.71
06 65 00 00-0051	LF 1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	13.17	0.79
06 65 00 00-0052	LF 1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	16.22	0.81
06 65 00 00-0053	LF 1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	19.59	0.83
06 65 00 00-0054	LF 5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	8.28	0.63
06 65 00 00-0055	LF 5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	12.69	0.71
06 65 00 00-0056	LF 5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	16.34	0.79
06 65 00 00-0057	LF 5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	20.55	0.81
06 65 00 00-0058	LF 5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	24.43	0.83
06 65 00 00-0059	LF 3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	19.55	0.81
06 65 00 00-0060	LF 5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	26.59	0.83
06 65 00 00-0061	SF 1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	13.42	0.71
06 65 00 00-0062	SF 3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	19.82	0.79

06 70 Structural Composites (06)**06 74 Composite Gratings (06 70)****06 74 13 Fiberglass Reinforced Gratings (06 74)****06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)****06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)**

Note: Orange or dark gray.

06 74 13 00-0003	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	35.63	1.48
06 74 13 00-0004	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	34.60	1.48
06 74 13 00-0005	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.27	1.48
06 74 13 00-0006	SF 2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	48.96	1.90
06 74 13 00-0007	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	37.41	1.48
06 74 13 00-0008	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	36.34	1.48
06 74 13 00-0009	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.84	1.48
06 74 13 00-0010	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	51.39	1.90
06 74 13 00-0011	SF 1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	33.82	1.19
06 74 13 00-0012	SF 1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	54.94	1.30
06 74 13 00-0013	SF 3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	75.39	1.43

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)

06 74 13 00-0015	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	32.74	1.48
06 74 13 00-0016	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	30.64	1.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0017	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	39.54	1.48
06 74 13 00-0018	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	42.60	1.90
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	34.20	1.48
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	31.47	1.48
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	42.91	1.90
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	45.00	1.90
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	29.77	1.19
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	42.26	1.30
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	58.13	1.43
06 74 13 00-0026			Corvex Polyester Resin (06 74 13 00-0001)		
			Note: Dark gray.		
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	27.72	1.48
06 74 13 00-0028	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	26.61	1.48
06 74 13 00-0029	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	32.34	1.48
06 74 13 00-0030	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	37.14	1.90
06 74 13 00-0031	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	29.57	1.48
06 74 13 00-0032	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	28.44	1.48
06 74 13 00-0033	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	34.48	1.48
06 74 13 00-0034	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	38.98	1.90
06 74 13 00-0035	SF		1/4" Corvex Polyester Resin, Fiberplate Covering.....	26.25	1.19
06 74 13 00-0036	SF		1/2" Corvex Polyester Resin, Fiberplate Covering.....	42.07	1.30
06 74 13 00-0037	SF		3/4" Corvex Polyester Resin, Fiberplate Covering.....	58.44	1.43
06 74 13 00-0038			XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	40.97	1.48
06 74 13 00-0040	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	39.77	1.48
06 74 13 00-0041	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	54.59	1.48
06 74 13 00-0042	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	58.25	1.90
06 74 13 00-0043	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, XFR Extra Fire Retardant, Applied Grit Top	42.78	1.48
06 74 13 00-0044	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	41.60	1.48
06 74 13 00-0045	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	56.73	1.48
06 74 13 00-0046	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	60.85	1.90
06 74 13 00-0047	SF		1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	38.78	1.19
06 74 13 00-0048	SF		1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	62.90	1.30
06 74 13 00-0049			ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top.....	42.03	1.48
06 74 13 00-0051	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	40.74	1.48
06 74 13 00-0052	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	53.11	1.48
06 74 13 00-0053	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	56.86	1.90
06 74 13 00-0054	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	43.70	1.48
06 74 13 00-0055	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	42.64	1.48
06 74 13 00-0056	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.17	1.48
06 74 13 00-0057	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	58.95	1.90
06 74 13 00-0058	SF		1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering.....	43.39	1.19
06 74 13 00-0059	SF		1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering	78.47	1.30
06 74 13 00-0060			Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061			ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
			Note: For moderately corrosive environments, green.		
06 74 13 00-0062			1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	29.77	1.90
06 74 13 00-0064	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	26.37	1.48
06 74 13 00-0065	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	33.72	1.90
06 74 13 00-0066	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	31.15	1.48
06 74 13 00-0067	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	23.13	1.90
06 74 13 00-0068	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	20.44	1.48
06 74 13 00-0069	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.55	1.90
06 74 13 00-0070	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	23.93	1.48
06 74 13 00-0071			1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	33.68	1.90
06 74 13 00-0073	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	30.37	1.48
06 74 13 00-0074	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	37.91	1.90
06 74 13 00-0075	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	35.54	1.48
06 74 13 00-0076	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	29.55	1.90
06 74 13 00-0077	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	26.93	1.48
06 74 13 00-0078			2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	29.07	1.90
06 74 13 00-0080	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.23	1.90
06 74 13 00-0081	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	39.07	1.90
06 74 13 00-0082	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	36.84	1.90
06 74 13 00-0083			VERF Vinyl Ester Resin System (06 74 13 00-0060)		

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 74 13 00-0084		1" VEF Vinyl Ester Resin System (06 74 13 00-0083)	
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	31.55 1.48
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	28.16 1.48
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	35.54 1.48
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	40.86 1.48
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin	24.11 1.48
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin	21.49 1.48
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	27.75 1.48
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	25.42 1.48

06 74 13 00-0093		1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)	
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	34.68 1.48
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	31.33 1.48
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin	39.71 1.48
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin	37.05 1.48
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin	31.12 1.48
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin	28.63 1.48

06 74 13 00-0100		2" VEF Vinyl Ester Resin System (06 74 13 00-0083)	
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin	30.57 1.90
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin	28.15 1.90
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin	41.17 1.90
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin	39.97 1.90

06 80 Composite Fabrications (06)**06 82 Composite Trim** (06 80)**06 82 00 00-0001** Fiberglass Castings (06 82)

06 82 00 00-0002		Fiberglass Angle, Equal Legs (06 82 00 00-0001)	
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	7.22 2.47
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	7.59 2.47
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.86 2.97
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	15.37 2.97
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	15.46 2.97
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin	16.56 2.97
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.03 2.97
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin	20.38 2.97
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	49.54 3.71
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin	57.10 3.71

06 82 00 00-0013		Fiberglass Channels (06 82 00 00-0001)	
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.32 3.71
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	8.69 3.71
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	17.99 4.20
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin	17.99 4.20
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	28.61 4.20
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	33.39 4.20
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	26.83 4.20
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin	32.41 4.20
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	40.86 5.77
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin	47.01 5.77

06 82 00 00-0024		Fiberglass Wide Flange Beams (06 82 00 00-0001)	
06 82 00 00-0025	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	24.52 4.95
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	26.91 4.95
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	31.46 5.94
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	32.60 5.94
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	51.19 7.42
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	64.63 7.42
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	115.29 9.07
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin	129.99 9.07

06 82 00 00-0033		Fiberglass Flat Sheet (06 82 00 00-0001)	
Note: Not to be used for bathroom board.			
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	20.24 4.20
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	21.17 4.20
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	32.15 4.95
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	37.15 4.95
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	43.79 5.94
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	51.29 5.94
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	59.17 7.42
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin	70.64 7.42

06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 82 00 00-0043			Square Bars (06 82 00 00-0042)		
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.94	2.97
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	17.33	4.37
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	20.35	5.77
06 82 00 00-0047			Round Bars (06 82 00 00-0042)		
06 82 00 00-0048	LF		1" Diameter Fiberglass Solid Round Bar, VEF Vinyl Ester Resin.....	18.81	3.71
06 82 00 00-0049	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.55	2.47
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	16.54	3.71
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	25.19	3.71
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	30.14	4.20
06 82 00 00-0053			Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054			Square Tube (06 82 00 00-0053)		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	8.58	2.47
06 82 00 00-0056	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	12.84	2.97
06 82 00 00-0057	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	24.91	3.71
06 82 00 00-0058	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	29.29	4.45
06 82 00 00-0059	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VEF Vinyl Ester Resin.....	9.32	2.47
06 82 00 00-0060	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VEF Vinyl Ester Resin.....	14.14	2.97
06 82 00 00-0061	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VEF Vinyl Ester Resin.....	27.90	3.71
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VEF Vinyl Ester Resin.....	37.64	4.45
06 82 00 00-0063			Round Tube (06 82 00 00-0053)		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	8.19	2.47
06 82 00 00-0065	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	15.73	2.97
06 82 00 00-0066	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VEF Vinyl Ester Resin.....	8.53	2.47
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VEF Vinyl Ester Resin.....	16.83	2.97
06 82 00 00-0068			Fiberglass Threaded Rods (06 82 00 00-0001)		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VEF Vinyl Ester Resin.....	11.39	1.90
06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VEF Vinyl Ester Resin	12.15	1.90
06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VEF Vinyl Ester Resin	13.95	2.14
06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VEF Vinyl Ester Resin	15.42	2.14
06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VEF Vinyl Ester Resin.....	17.09	2.14
06 82 00 00-0074			Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	21.06	
06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	9.02	
06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	33.93	
06 82 00 00-0078			Fiberglass Netting (06 82 00 00-0001)		
06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.61	0.28
06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.61	0.28
06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.61	0.28
06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.61	0.28
06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.61	0.28
06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.60	0.28
06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.60	0.28
06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.60	0.28
06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.60	0.28
06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.60	0.28
06 82 00 00-0089			Fiberglass Stair Treads (06 82)		
06 82 00 00-0090			Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091			10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	73.88	12.94
06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	85.92	12.94
06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	97.95	12.94
06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	109.98	12.94
06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	81.10	12.94
06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	94.94	12.94
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	108.78	12.94
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	122.62	12.94
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	92.17	12.94
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	108.78	12.94
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	125.38	12.94
06 82 00 00-0103	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	141.99	12.94
06 82 00 00-0104			12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105	EA		1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	80.76	12.94
06 82 00 00-0106	EA		1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	94.51	12.94
06 82 00 00-0107	EA		1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	108.27	12.94

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	122.02		12.94
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	89.01		12.94
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	104.83		12.94
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	120.64		12.94
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	136.46		12.94
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	101.66		12.94
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	120.64		12.94
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	139.62		12.94
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	158.60		12.94
06 82 00 00-0117		Other Fiberglass <small>(06 82)</small>			
06 82 00 00-0118		Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>			
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	13.53		2.85
06 83		Composite Paneling <small>(06 80)</small>			
06 83 16		Fiberglass Reinforced Paneling <small>(06 83)</small>			
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small> Note: Includes adhesive and trim.			
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling..... Note: Including Adhesive And Trim	4.05		1.43

END OF SECTION 06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection (07)

07 01 50 Maintenance of Membrane Roofing (07 01)

07 01 50 19 Preparation for Re-Roofing (07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing (07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	25.18
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	44.43

07 01 50 81 Roof Replacement (07 01 50)

07 01 50 81-0001 Roof Repair (07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	17.56
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	15.85
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	14.49
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	13.47
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	20.18
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	18.47
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	17.10
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	16.09
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	14.96
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	13.50
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	12.40
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	11.65
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	4.92

07 01 50 81-0015 Emergency Roof Patch (07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	73.86
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	287.02

07 01 50 81-0018 Adhesives (07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer (07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only (07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint	2.88
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1.22

07 05 Common Work Results for Thermal and Moisture Protection

(07)

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work (07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work (07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	863.81
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	646.30
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	431.90
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	215.44

07 10 Dampproofing and Waterproofing (07)

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)

07 11 13 Bituminous Dampproofing (07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	115.58
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	173.08

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	202.68
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On	320.54

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 11 Dampproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	91.11	
07 11 13 00-0009	CSF	2 Coats, Asphaltic Paint Dampproofing, Brushed On	169.28	

07 11 19 Sheet Dampproofing (07 11)

07 11 19 00-0001		Neoprene (07 11 19)		
07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)	23.73	

07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing (07 13)****07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)**

07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	222.55	71.09
		<i>For 30 LB Felt, Add</i>	60.29	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-21.32	
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	286.43	79.96
		<i>For 30 LB Felt, Add</i>	94.88	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-23.99	
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	350.32	88.85
		<i>For 30 LB Felt, Add</i>	129.46	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-26.66	
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	414.18	97.74
		<i>For 30 LB Felt, Add</i>	164.03	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-29.32	
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	478.07	106.62
		<i>For 30 LB Felt, Add</i>	198.62	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-31.99	

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	178.18	69.21
		<i>For Application To Horizontal Surfaces, Deduct</i>	-23.08	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	251.63	71.87
		<i>For Application To Horizontal Surfaces, Deduct</i>	-23.96	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	340.25	74.89
		<i>For Application To Horizontal Surfaces, Deduct</i>	-24.95	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	384.31	77.91
		<i>For Application To Horizontal Surfaces, Deduct</i>	-25.97	

07 13 53 Elastomeric Sheet Waterproofing (07 13)**07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)**

07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	5.30	0.71
		<i>For Floor Surfaces, Deduct</i>	-0.73	

07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	370.07	100.61
		<i>For Application To Horizontal Surfaces, Deduct</i>	-30.18	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	448.00	100.61
		<i>For Application To Horizontal Surfaces, Deduct</i>	-30.18	

07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	92.80	25.15
		<i>For Joint Taping, Add</i>	10.44	
		<i>For Each Additional Ply, Add</i>	67.48	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-3.78	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	114.31	25.15
		<i>For Joint Taping, Add</i>	11.51	
		<i>For Each Additional Ply, Add</i>	82.54	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-3.78	

07 13 53 00-0009 Butyl With Nylon (07 13 53)

07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	105.10	25.15
		<i>For Joint Taping, Add</i>	11.05	
		<i>For Each Additional Ply, Add</i>	76.09	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-3.78	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	118.93	25.15
		<i>For Joint Taping, Add</i>	11.74	
		<i>For Each Additional Ply, Add</i>	85.77	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-3.78	

07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)

07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	175.85	25.15
		<i>For Joint Taping, Add</i>	14.59	
		<i>For Each Additional Ply, Add</i>	125.62	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-3.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	267.41 19.17 189.71 -3.78	25.15
07 13 53 00-0015			Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	185.41 15.07 132.31 -3.78	25.15
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	282.68 19.93 200.40 -3.78	25.15
07 13 53 00-0018			Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	26.31 6.21 20.54 -3.19	9.61
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	27.03 6.24 21.05 -3.19	9.61
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	45.52 7.17 33.99 -3.19	9.61
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	140.23 100.52 -3.54	9.61
07 13 53 00-0023			Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	45.92 7.19 34.27 -3.19	10.63
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	64.66 8.31 47.47 -3.31	11.02
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	90.08 9.76 65.34 -3.43	11.41
07 13 53 00-0027			Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	30.81	9.84
07 14			Fluid-Applied Waterproofing (07 10)		
07 14 13			Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001			Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.61 -0.14 0.37	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.91 -0.14 0.37	
07 14 16			Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001			Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002	SF		60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	2.72 -0.30	
07 14 16 00-0003	SF		90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	3.17 -0.32	
07 14 16 00-0004	SF		120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	3.64 -0.34	
07 14 16 00-0005			One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006	SF		15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution.....	1.79	
07 14 16 00-0007			Copolymer Compound (07 14 16)		
07 14 16 00-0008	SF		Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	2.81	

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 14 16 00-0009	Fluid Applied 100% Rubber Polymer (07 14 16)		
	Note: Product as manufactured by Dow Chemical or equal.		
07 14 16 00-0010	SF 15-20 Mil Graywall, Fluid Applied Rubber Waterproofing	3.51	
07 14 16 00-0011	SF 40 Mil Rub-R-Wall, Fluid Applied Rubber Waterproofing	4.55	
07 14 16 00-0012	SF 40 Mil Rub-R-Wall Plus, Fluid Applied Rubber Waterproofing	4.66	
07 14 16 00-0013	Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0014	CSF 1/8" Fiberglass Reinforced, Fluid Neoprene	342.23	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-36.65	
07 14 16 00-0015	CSF 50 Mil, 4 Coats, Fluid Neoprene	704.44	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-71.91	
07 14 16 00-0016	CSF 90 Mil, 4 Coats, Fluid Neoprene	1,168.83	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-107.80	
07 14 16 00-0017	Polyester Membrane Waterproofing System (07 14 16)		
	Note: Kemper Systems Inc.		
07 14 16 00-0018	SQ Primer For Polyester Membrane Waterproofing System (Kemperol)	141.19	
07 14 16 00-0019	SQ Resin For Polyester Membrane Waterproofing System (Kemperol)	844.15	
07 14 16 00-0020	SQ Fleece For Polyester Membrane Waterproofing System (Kemperol)	1,057.16	

07 16 Cementitious and Reactive Waterproofing (07 10)**07 16 13 Polymer Modified Cement Waterproofing** (07 16)

07 16 13 00-0001	SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats	4.05	
	Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		

07 16 16 Crystalline Waterproofing (07 16)

07 16 16 00-0001	SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate)	4.92	
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07 16 19 Metal Oxide Waterproofing (07 16)**07 16 19 00-0001 Metallic Oxide Waterproofing** (07 16 19)

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	422.51	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-54.74	

07 17 Bentonite Waterproofing (07 10)**07 17 13 Bentonite Panel Waterproofing** (07 17)

07 17 13 00-0001	CSF 3/16" Bentonite Waterproofing Panels	327.87	82.58
	<i>For Application To Horizontal Surfaces, Deduct</i>	-24.78	
07 17 13 00-0002	CSF 1/4" Bentonite Waterproofing Panels	292.47	87.25
	<i>For Application To Horizontal Surfaces, Deduct</i>	-26.82	
07 17 13 00-0003	CSF 5/8" Bentonite Waterproofing Panels	419.51	90.99
	<i>For Application To Horizontal Surfaces, Deduct</i>	-27.29	
07 17 13 00-0004	CSF 3/8" Granular Bentonite, Troweled	337.21	75.68
	<i>For Application To Horizontal Surfaces, Deduct</i>	-22.69	

07 18 Traffic Coatings (07 10)**07 18 13 Pedestrian Traffic Coatings** (07 18)**07 18 13 00-0001 One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)** (07 18 13)

Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.

07 18 13 00-0002	SQ Concrete/Metal Primer (Garland Dura-Walk®)	40.57	
07 18 13 00-0003	SQ Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	333.78	
07 18 13 00-0004	SQ Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	189.24	
07 18 13 00-0005	SQ Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	227.84	
07 18 13 00-0006	LF 6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.04	

07 19 Water Repellents (07 10)**07 19 13 Acrylic Sealer** (07 19)

Note: Per coat.

07 19 13 00-0001	SF Spray On Concrete, Acrylic Sealer	1.61	
07 19 13 00-0002	SF Spray On Concrete Block/Brick, Acrylic Sealer	1.92	
07 19 13 00-0003	SF Spray On Stone, Acrylic Sealer	2.10	

07 19 16 Silane Water Repellents (07 19)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 19 16 00-0001			Silane Concrete Sealer (07 19 16)		
07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.49	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.74	
07 19 16 00-0004			Silane Penetrating Water Repellent (07 19 16)		
07 19 16 00-0005	SF		Spray On Cast Or Pre-Cast Concrete/Fiber Cement Siding, 100% Silane Penetrating Water Repellent (Keim Silan-100)	0.51	
07 19 16 00-0006	SF		Spray On Brick/Natural Stone, 100% Silane Penetrating Water Repellent (Keim Silan-100)	0.62	
07 19 16 00-0007	SF		Spray On Portland Stucco, 100% Silane Penetrating Water Repellent (Keim Silan-100)	0.81	
07 19 16 00-0008	SF		Spray On Block/Gunite/Shotcrete, 100% Silane Penetrating Water Repellent (Keim Silan-100)	1.27	
07 19 16 00-0009			Silane/Siloxane Concrete Sealer (07 19 16)		
07 19 16 00-0010	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.93	
			Note: 40% silane, alcohol based.		
07 19 16 00-0011	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.36	
			Note: 40% silane, alcohol based.		
07 19 16 00-0012	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.37	
07 19 16 00-0013	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.54	

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0143 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001			Cold Adhesive Applied Foam Board Insulation (07 21 13 13)		
07 21 13 13-0002			Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)		
07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	3.00	0.27
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.23	0.27
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	5.07	0.28
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.72	0.28
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0007			Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)		
07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.24	0.27
			For Horizontal Surface Application, Deduct	-0.04	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.32	0.27
			For Horizontal Surface Application, Deduct	-0.04	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.52	0.27
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.72	0.27
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.52	0.28
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.32	0.28
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0014	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.12	0.29
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0015	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.92	0.30
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0016	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.73	0.30
			For Horizontal Surface Application, Deduct	-0.05	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0017			Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0001)		
			Note: 15 PSI compressive strength.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.42	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.04	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.16	
		<i>For 40 PSI Compressive Strength, Add</i>	0.37	
		<i>For 60 PSI Compressive Strength, Add</i>	0.59	
		<i>For 115 PSI Compressive Strength, Add</i>	2.56	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.68	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.04	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.20	
		<i>For 40 PSI Compressive Strength, Add</i>	0.47	
		<i>For 60 PSI Compressive Strength, Add</i>	0.74	
		<i>For 115 PSI Compressive Strength, Add</i>	3.23	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.90	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.23	
		<i>For 40 PSI Compressive Strength, Add</i>	0.55	
		<i>For 60 PSI Compressive Strength, Add</i>	0.86	
		<i>For 115 PSI Compressive Strength, Add</i>	3.77	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.01	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.25	
		<i>For 40 PSI Compressive Strength, Add</i>	0.59	
		<i>For 60 PSI Compressive Strength, Add</i>	0.93	
		<i>For 115 PSI Compressive Strength, Add</i>	4.05	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.10	0.28
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.42	
		<i>For 40 PSI Compressive Strength, Add</i>	1.00	
		<i>For 60 PSI Compressive Strength, Add</i>	1.55	
		<i>For 115 PSI Compressive Strength, Add</i>	6.83	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.19	0.28
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.60	
		<i>For 40 PSI Compressive Strength, Add</i>	1.41	
		<i>For 60 PSI Compressive Strength, Add</i>	2.18	
		<i>For 115 PSI Compressive Strength, Add</i>	9.61	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.75	0.29
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.68	
		<i>For 40 PSI Compressive Strength, Add</i>	1.62	
		<i>For 60 PSI Compressive Strength, Add</i>	2.50	
		<i>For 115 PSI Compressive Strength, Add</i>	11.02	
07 21 13 13-0025		Mechanically Fastened Foam Board Insulation (07 21 13 13)		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026		Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	2.83	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.12	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.96	0.28
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0030	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	6.67	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 21 13 13-0031			Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
07 21 13 13-0032	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.07	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0033	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.15	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0034	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	1.35	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0035	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.55	0.27
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0036	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.41	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 21 13 13-0037	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.27	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 21 13 13-0038	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.17	0.29
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.72	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	5.08	0.30
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.50	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	4.91	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	6.13	0.30
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.18	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13

13-0025)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.26	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.04	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.13	
		<i>For 40 PSI Compressive Strength, Add</i>	0.31	
		<i>For 60 PSI Compressive Strength, Add</i>	0.50	
		<i>For 115 PSI Compressive Strength, Add</i>	2.15	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.51	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.04	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.17	
		<i>For 40 PSI Compressive Strength, Add</i>	0.41	
		<i>For 60 PSI Compressive Strength, Add</i>	0.64	
		<i>For 115 PSI Compressive Strength, Add</i>	2.79	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.73	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.20	
		<i>For 40 PSI Compressive Strength, Add</i>	0.49	
		<i>For 60 PSI Compressive Strength, Add</i>	0.76	
		<i>For 115 PSI Compressive Strength, Add</i>	3.33	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.84	0.27
		<i>For Horizontal Surface Application, Deduct</i>	-0.05	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.22	
		<i>For 40 PSI Compressive Strength, Add</i>	0.53	
		<i>For 60 PSI Compressive Strength, Add</i>	0.83	
		<i>For 115 PSI Compressive Strength, Add</i>	3.62	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.99	0.28	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.40		
		<i>For 40 PSI Compressive Strength, Add</i>	0.96		
		<i>For 60 PSI Compressive Strength, Add</i>	1.49		
		<i>For 115 PSI Compressive Strength, Add</i>	6.55		
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24		
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56		
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36		
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61		
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84		
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02		
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41		
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.14	0.28	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.59		
		<i>For 40 PSI Compressive Strength, Add</i>	1.39		
		<i>For 60 PSI Compressive Strength, Add</i>	2.15		
		<i>For 115 PSI Compressive Strength, Add</i>	9.48		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28		
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64		
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44		
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.71		
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96		
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17		
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57		
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.79	0.29	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For 25 PSI Compressive Strength, Add</i>	0.69		
		<i>For 40 PSI Compressive Strength, Add</i>	1.64		
		<i>For 60 PSI Compressive Strength, Add</i>	2.52		
		<i>For 115 PSI Compressive Strength, Add</i>	11.12		
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04		
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28		
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76		
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56		
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.80		
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14		
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35		
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.72		
07 21 13 16 Fibrous Board Insulation (07 21 13)					
07 21 13 16-0001		Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)			
07 21 13 16-0002		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	1.86	0.34	
		<i>For Horizontal Surface Application, Deduct</i>	-0.06		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.78	0.40	
		<i>For Horizontal Surface Application, Deduct</i>	-0.07		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.71	0.47	
		<i>For Horizontal Surface Application, Deduct</i>	-0.08		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0006		Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)			
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.47	0.27	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.89	0.27	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.82	0.28	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.57	0.28	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.32	0.28	
		<i>For Horizontal Surface Application, Deduct</i>	-0.05		
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05		
		<i>For Factory Painted On One Surface Add</i>	0.17		

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 21 13 16-0012		Mechanically Fastened Fibrous Board Insulation (07 21 13 16)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0013		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.69	0.34	
		For Horizontal Surface Application, Deduct	-0.06		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	0.96		
		For Mechanically Fastened To Gypsum, Add	1.28		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.31		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.68		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.98		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39		
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.67	0.40	
		For Horizontal Surface Application, Deduct	-0.07		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	0.99		
		For Mechanically Fastened To Gypsum, Add	1.24		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.61		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.02		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.41		
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.65	0.47	
		For Horizontal Surface Application, Deduct	-0.08		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.01		
		For Mechanically Fastened To Gypsum, Add	1.28		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.44		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.71		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.17		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.57		
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.30	0.27	
		For Horizontal Surface Application, Deduct	-0.05		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	0.96		
		For Mechanically Fastened To Gypsum, Add	1.28		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.31		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.68		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.98		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39		
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.78	0.27	
		For Horizontal Surface Application, Deduct	-0.05		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	0.99		
		For Mechanically Fastened To Gypsum, Add	1.24		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.02		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39		
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.71	0.28	
		For Horizontal Surface Application, Deduct	-0.05		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	0.99		
		For Mechanically Fastened To Gypsum, Add	1.24		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.61		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.02		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.41		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 13 16-0021	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.52	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.52	
07 21 13 16-0022	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	6.26	0.28
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	

07 21 13 19 Mineral Board Insulation (07 21 13)

07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation		
			<small>(07 21 13 19-0001)</small>		
07 21 13 19-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.39	0.30
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.66	0.32
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.96	0.34
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied.....	2.47	0.37
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.98	0.40
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.00	0.47
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation (07 21 13 19)
 Note: Mechanically fastened to wood or steel.

07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation		
			<small>(07 21 13 19-0009)</small>		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.22	0.30
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 19-0012	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.49	0.32
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.79	0.34
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.31	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.36	0.37
		<i>For Horizontal Surface Application, Deduct</i>	-0.06	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.86	0.40
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.02	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.95	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	0.93	0.29
		<i>For >1,600, Deduct</i>	-0.08	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.00	0.29
		<i>For >1,600, Deduct</i>	-0.09	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.03	0.29
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.34	0.29
		<i>For >1,600, Deduct</i>	-0.14	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.11	0.29
		<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	1.71	0.37
		<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	1.82	0.37
		<i>For >1,600, Deduct</i>	-0.19	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	0.88	0.29
		<i>For >1,600, Deduct</i>	-0.07	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	0.97	0.29
		<i>For >1,600, Deduct</i>	-0.09	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.27	0.29
		<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.28	0.29
		<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.07	0.29
		<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	1.62	0.37
		<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	1.76	0.37
		<i>For >1,600, Deduct</i>	-0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 16 00-0018			Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.06 -0.10	0.29
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.18 -0.12	0.29
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.27 -0.13	0.29
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.90 -0.20	0.37
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.04 -0.22	0.37

07 21 16 00-0024			Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	0.96 -0.09	0.29
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.03 -0.10	0.29
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.38 -0.15	0.29
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.12 -0.11	0.29
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.71 -0.17	0.37
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.76 -0.18	0.37

07 21 16 00-0031			Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032			Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.04 -0.10	0.29
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.36 -0.14	0.29
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.16 -0.25	0.29
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.45 -0.29	0.29

07 21 16 00-0037			Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	0.97 -0.09	0.29
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	1.25 -0.13	0.29
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.95 -0.22	0.29
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.20 -0.26	0.29

07 21 16 00-0042			Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043			UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042) Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	1.40 -0.15	0.29
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	1.59 -0.18	0.29
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	1.77 -0.20	0.29
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.39 -0.28	0.29

07 21 19 Foamed-In-Place Insulation (07 21)

07 21 19 00-0001			Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.04	
07 21 19 00-0003	SF		2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.77	
07 21 19 00-0004	SF		3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.51	
07 21 19 00-0005	SF		4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.24	
07 21 19 00-0006	SF		5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.97	
07 21 19 00-0007	SF		6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.71	
07 21 19 00-0008	SF		1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.00	
07 21 19 00-0009	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.24	
07 21 19 00-0010	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	4.48	
07 21 19 00-0011	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.73	
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	6.96	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	8.19	

07 21 23 Loose-Fill Insulation (07 21)

07 21 23 00-0001			Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002	CF		R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	4.37	1.71

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 23 00-0003	CF	R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	4.67	1.71
07 21 23 00-0004		Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	6.01	1.71
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	5.96	1.71
07 21 26		Blown Insulation (07 21)		
07 21 26 00-0001		Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003	SF	3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.04	0.82
07 21 26 00-0004	SF	6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.30	0.97
07 21 26 00-0005	SF	7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.44	1.06
07 21 26 00-0006	SF	10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	1.66	1.14
07 21 26 00-0007	SF	12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	1.89	1.22
07 21 26 00-0008	SF	13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	2.05	1.30
07 21 26 00-0009	SF	14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.09	1.30
07 21 26 00-0010	SF	16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.19	1.30
07 21 26 00-0011	SF	19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.39	1.30
07 21 26 00-0012	SF	21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.40	1.30
07 21 26 00-0013		New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.42	0.82
07 21 26 00-0015	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	1.87	0.97
07 21 26 00-0016	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.21	1.06
07 21 26 00-0017	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	2.61	1.14
07 21 26 00-0018		Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.35	0.82
07 21 26 00-0020	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	1.80	0.97
07 21 26 00-0021	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.14	1.06
07 21 26 00-0022	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	2.55	1.14
07 21 26 00-0023		Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024		Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.05	0.82
07 21 26 00-0026	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.25	0.89
07 21 26 00-0027	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.39	0.97
07 21 26 00-0028	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	1.62	1.06
07 21 26 00-0029	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	1.65	1.06
07 21 26 00-0030	SF	10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	1.92	1.14
07 21 26 00-0031	SF	11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	1.97	1.14
07 21 26 00-0032	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.28	1.22
07 21 26 00-0033	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	2.59	1.30
07 21 26 00-0034		New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.38	0.82
07 21 26 00-0036	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	1.82	0.97
07 21 26 00-0037	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	2.14	1.06
07 21 26 00-0038	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	2.53	1.14
07 21 26 00-0039		Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
		Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.32	0.82
07 21 26 00-0041	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	1.75	0.97
07 21 26 00-0042	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	2.07	1.06
07 21 26 00-0043	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	2.46	1.14
07 21 29		Sprayed Insulation (07 21)		
07 21 29 00-0001		Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002	SF	1" Spray, R2.7 Perlite Insulation.....	1.64	0.49
07 21 29 00-0003	SF	1" Spray, R3.7 Fibrous/Cementitious Insulation.....	1.21	0.49
07 21 29 00-0004		Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF	1" Thick - Cellulose Spray-on Insulation.....	2.30	0.49

07 22 Roof and Deck Insulation (07 20)**07 22 16 Roof Board Insulation (07 22)**

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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alternate attachment.

07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 22 16 00-0002			Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003			Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.65	
07 22 16 00-0005	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	1.95	
07 22 16 00-0006	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.26	
07 22 16 00-0007	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.79	
07 22 16 00-0008	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.34	
07 22 16 00-0009			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	1.77	
07 22 16 00-0011	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.16	
07 22 16 00-0012			Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.63	
07 22 16 00-0014	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.63	
07 22 16 00-0015	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	1.81	
07 22 16 00-0016	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.03	
07 22 16 00-0017	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.56	
07 22 16 00-0018	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.90	
07 22 16 00-0019			Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	2.33	
07 22 16 00-0021	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.18	
07 22 16 00-0022	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.19	
07 22 16 00-0023			Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	4.47	
07 22 16 00-0025	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	5.31	
07 22 16 00-0026	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.97	
07 22 16 00-0027	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	8.63	
07 22 16 00-0028			Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.55	
			<i>For Loose-Laid, Deduct</i>	-0.84	
07 22 16 00-0030	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.63	
			<i>For Loose-Laid, Deduct</i>	-0.84	
07 22 16 00-0031	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	1.82	
			<i>For Loose-Laid, Deduct</i>	-0.84	
07 22 16 00-0032	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.03	
			<i>For Loose-Laid, Deduct</i>	-0.84	
07 22 16 00-0033	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.84	
			<i>For Loose-Laid, Deduct</i>	-0.85	
07 22 16 00-0034	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.65	
			<i>For Loose-Laid, Deduct</i>	-0.86	
07 22 16 00-0035	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.46	
			<i>For Loose-Laid, Deduct</i>	-0.87	
07 22 16 00-0036	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.26	
			<i>For Loose-Laid, Deduct</i>	-0.88	
07 22 16 00-0037	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.07	
			<i>For Loose-Laid, Deduct</i>	-0.89	
07 22 16 00-0038			Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002) Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.13	
			<i>For Loose-Laid, Deduct</i>	-0.80	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For 40 PSI Compressive Strength, Add</i>	0.55	
			<i>For 60 PSI Compressive Strength, Add</i>	0.88	
			<i>For 115 PSI Compressive Strength, Add</i>	3.79	
07 22 16 00-0040	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.25	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
			<i>For 40 PSI Compressive Strength, Add</i>	0.59	
			<i>For 60 PSI Compressive Strength, Add</i>	0.94	
			<i>For 115 PSI Compressive Strength, Add</i>	4.08	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041	SF	1-1/2"	Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.79	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.80	
			<i>For 60 PSI Compressive Strength, Add</i>	1.25	
			<i>For 100 PSI Compressive Strength, Add</i>	1.61	
			<i>For 115 PSI Compressive Strength, Add</i>	5.47	
07 22 16 00-0042	SF	2"	Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.34	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For 40 PSI Compressive Strength, Add</i>	1.00	
			<i>For 60 PSI Compressive Strength, Add</i>	1.57	
			<i>For 115 PSI Compressive Strength, Add</i>	6.85	
07 22 16 00-0043	SF	2-1/2"	Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.88	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.51	
			<i>For 40 PSI Compressive Strength, Add</i>	1.21	
			<i>For 60 PSI Compressive Strength, Add</i>	1.88	
			<i>For 100 PSI Compressive Strength, Add</i>	2.42	
			<i>For 115 PSI Compressive Strength, Add</i>	8.24	
07 22 16 00-0044	SF	3"	Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.44	
			<i>For Loose-Laid, Deduct</i>	-0.82	
			<i>For 25 PSI Compressive Strength, Add</i>	0.60	
			<i>For 40 PSI Compressive Strength, Add</i>	1.41	
			<i>For 60 PSI Compressive Strength, Add</i>	2.19	
			<i>For 115 PSI Compressive Strength, Add</i>	9.63	
07 22 16 00-0045	SF	4"	Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.01	
			<i>For Loose-Laid, Deduct</i>	-0.83	
			<i>For 25 PSI Compressive Strength, Add</i>	0.68	
			<i>For 40 PSI Compressive Strength, Add</i>	1.62	
			<i>For 60 PSI Compressive Strength, Add</i>	2.51	
			<i>For 115 PSI Compressive Strength, Add</i>	11.05	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0047	SF	3/4"	Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.90	
			<i>For Loose-Laid, Deduct</i>	-0.80	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0048	SF	1"	Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.98	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
07 22 16 00-0049	SF	1-1/2"	Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.09	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0050	SF	2"	Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.40	
			<i>For Loose-Laid, Deduct</i>	-0.81	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0051	SF	2-1/2"	Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.72	
			<i>For Loose-Laid, Deduct</i>	-0.82	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0052	SF	3"	Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.03	
			<i>For Loose-Laid, Deduct</i>	-0.82	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0053	SF	3-1/2"	Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.38	
			<i>For Loose-Laid, Deduct</i>	-0.83	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0054	SF	4"	Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.68	
			<i>For Loose-Laid, Deduct</i>	-0.83	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0056	SF	1/2"	Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	2.15	
07 22 16 00-0057			Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0058	SF	1/4"	Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.03	
07 22 16 00-0059	SF	3/8"	Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.16	
07 22 16 00-0060	SF	1/2"	Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.24	
07 22 16 00-0061	SF	5/8"	Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	2.29	
07 22 16 00-0062			Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0063	SF	1/4"	Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	1.98	
07 22 16 00-0064	SF	1/2"	Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.18	
07 22 16 00-0065	SF	5/8"	Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0066			Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0066) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.49	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.67	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.92	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.07	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.43	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.58	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.82	

07 22 16 00-0074			Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0074) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.53	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	3.85	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.23	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.48	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	4.80	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.14	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.76	

07 22 16 00-0082			Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0083			Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0083)		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.48	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	1.79	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.08	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.64	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.18	

07 22 16 00-0089			Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0089)		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	1.60	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	1.99	

07 22 16 00-0092			Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0092)		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	1.44	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	1.62	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	1.84	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	2.38	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	2.72	

07 22 16 00-0098			Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0098)		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	2.13	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	2.99	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.02	

07 22 16 00-0102			Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0102)		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	4.29	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	5.12	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.80	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	8.46	

07 22 16 00-0107			Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0107)		
07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.37	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.45	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.57	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	1.85	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.66	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.48	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.28	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.10	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.91	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
07 22 16 00-0117 Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)			
Note: 15 PSI compressive strength.			
07 22 16 00-0118	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	1.94	
	For 25 PSI Compressive Strength, Add	0.19	
	For 40 PSI Compressive Strength, Add	0.45	
	For 60 PSI Compressive Strength, Add	0.73	
	For 115 PSI Compressive Strength, Add	3.13	
07 22 16 00-0119	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.06	
	For 25 PSI Compressive Strength, Add	0.21	
	For 40 PSI Compressive Strength, Add	0.50	
	For 60 PSI Compressive Strength, Add	0.80	
	For 115 PSI Compressive Strength, Add	3.44	
07 22 16 00-0120	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.60	
	For 25 PSI Compressive Strength, Add	0.30	
	For 40 PSI Compressive Strength, Add	0.70	
	For 60 PSI Compressive Strength, Add	1.11	
	For 100 PSI Compressive Strength, Add	1.43	
	For 115 PSI Compressive Strength, Add	4.83	
07 22 16 00-0121	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.25	
	For 25 PSI Compressive Strength, Add	0.38	
	For 40 PSI Compressive Strength, Add	0.91	
	For 60 PSI Compressive Strength, Add	1.43	
	For 115 PSI Compressive Strength, Add	6.23	
07 22 16 00-0122	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	10.68	
	For 25 PSI Compressive Strength, Add	0.47	
	For 40 PSI Compressive Strength, Add	1.11	
	For 60 PSI Compressive Strength, Add	2.09	
	For 100 PSI Compressive Strength, Add	2.59	
	For 115 PSI Compressive Strength, Add	8.31	
07 22 16 00-0123	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.27	
	For 25 PSI Compressive Strength, Add	0.56	
	For 40 PSI Compressive Strength, Add	1.32	
	For 60 PSI Compressive Strength, Add	2.05	
	For 115 PSI Compressive Strength, Add	9.00	
07 22 16 00-0124	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.83	
	For 25 PSI Compressive Strength, Add	0.64	
	For 40 PSI Compressive Strength, Add	1.52	
	For 60 PSI Compressive Strength, Add	2.37	
	For 115 PSI Compressive Strength, Add	10.39	
07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)			
07 22 16 00-0126	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.71	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0127	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.78	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.10	
07 22 16 00-0128	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	1.90	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.11	
07 22 16 00-0129	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.22	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0130	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.55	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.18	
07 22 16 00-0131	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.86	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0132	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	3.12	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.24	
07 22 16 00-0133	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.51	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.27	
07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)			
07 22 16 00-0135	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.86	
07 22 16 00-0136	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.99	
07 22 16 00-0137	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.08	
07 22 16 00-0138	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.12	
07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)			
07 22 16 00-0140	SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	1.82	
07 22 16 00-0141	SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.01	
07 22 16 00-0142	SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.06	
07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)			
Note: Mechanically fastened to wood or steel.			
07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)			
Note: Mechanically fastened to wood or steel.			

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.48	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	1.78	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.18	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.09	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.55	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.68	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.22	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	1.60	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.55	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	1.99	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.55	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.46	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.64	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.48	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0156	SF	1"	Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0157	SF	1-1/2"	Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	2.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0158	SF	2"	Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0159			Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1"	Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0161	SF	2"	Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.06	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0162	SF	3"	Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	4.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0163			Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF	1-1/2"	Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.36	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0165	SF	2"	Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	5.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0166	SF	2-3/4"	Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.92	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0167	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	8.68	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.89	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation
(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0171	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0172	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0173	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0174	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.60	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.74	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.43	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0175	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.51	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.72	
07 22 16 00-0176	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.14	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.63
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.18
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.38
07 22 16 00-0178		Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0143)</small>	
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.	
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	1.96
		<i>For 25 PSI Compressive Strength, Add</i>	0.20
		<i>For 40 PSI Compressive Strength, Add</i>	0.49
		<i>For 60 PSI Compressive Strength, Add</i>	0.78
		<i>For 115 PSI Compressive Strength, Add</i>	3.36
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.48
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.13
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.08
		<i>For 25 PSI Compressive Strength, Add</i>	0.22
		<i>For 40 PSI Compressive Strength, Add</i>	0.53
		<i>For 60 PSI Compressive Strength, Add</i>	0.84
		<i>For 115 PSI Compressive Strength, Add</i>	3.64
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.49
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.14
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.68
		<i>For 25 PSI Compressive Strength, Add</i>	0.32
		<i>For 40 PSI Compressive Strength, Add</i>	0.76
		<i>For 60 PSI Compressive Strength, Add</i>	1.19
		<i>For 100 PSI Compressive Strength, Add</i>	1.53
		<i>For 115 PSI Compressive Strength, Add</i>	5.18
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.23
		<i>For 25 PSI Compressive Strength, Add</i>	0.40
		<i>For 40 PSI Compressive Strength, Add</i>	0.96
		<i>For 60 PSI Compressive Strength, Add</i>	1.50
		<i>For 115 PSI Compressive Strength, Add</i>	6.57
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.83
		<i>For 25 PSI Compressive Strength, Add</i>	0.50
		<i>For 40 PSI Compressive Strength, Add</i>	1.19
		<i>For 60 PSI Compressive Strength, Add</i>	1.85
		<i>For 100 PSI Compressive Strength, Add</i>	2.38
		<i>For 115 PSI Compressive Strength, Add</i>	8.11
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.25
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.40
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened 4.39		
			For 25 PSI Compressive Strength, Add	0.59	
			For 40 PSI Compressive Strength, Add	1.39	
			For 60 PSI Compressive Strength, Add	2.16	
			For 115 PSI Compressive Strength, Add	9.50	
			For Mechanically Fastened To Concrete, Add	1.01	
			For Mechanically Fastened To Gypsum, Add	1.28	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.68	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.74	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.41	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.57	
07 22 16 00-0185	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened 5.05		
			For 25 PSI Compressive Strength, Add	0.69	
			For 40 PSI Compressive Strength, Add	1.64	
			For 60 PSI Compressive Strength, Add	2.54	
			For 115 PSI Compressive Strength, Add	11.15	
			For Mechanically Fastened To Concrete, Add	1.04	
			For Mechanically Fastened To Gypsum, Add	1.28	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.56	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.80	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.72	
07 22 16 00-0186			Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 1.73		
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.11	
			For Mechanically Fastened To Concrete, Add	0.96	
			For Mechanically Fastened To Gypsum, Add	1.28	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.48	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.68	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.13	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39	
07 22 16 00-0188	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 1.81		
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.11	
			For Mechanically Fastened To Concrete, Add	0.96	
			For Mechanically Fastened To Gypsum, Add	1.28	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.49	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.68	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.14	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39	
07 22 16 00-0189	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 1.98		
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.13	
			For Mechanically Fastened To Concrete, Add	0.99	
			For Mechanically Fastened To Gypsum, Add	1.28	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.59	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.04	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.39	
07 22 16 00-0190	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 2.29		
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.16	
			For Mechanically Fastened To Concrete, Add	0.99	
			For Mechanically Fastened To Gypsum, Add	1.24	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.61	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.04	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.41	
07 22 16 00-0191	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened 2.66		
			For Foil Facer, Add	0.36	
			For 25 PSI Compressive Strength, Add	0.20	
			For Mechanically Fastened To Concrete, Add	1.01	
			For Mechanically Fastened To Gypsum, Add	1.25	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.67	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.67	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.40	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.52	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.98	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.23	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.74	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.41	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.42	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.27	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.00	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.89	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.72	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.30	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.80	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.72	
07 22 16 00-0195		Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	1.98	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0197		Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143)		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.86	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	1.99	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.07	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.12	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0202		Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)	
		<small>(07 22 16 00-0143)</small>	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	1.81
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.01
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	2.05
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0206		Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation	
		<small>(07 22 16 00-0143)</small>	
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.	
07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.38
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.56
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.41
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.86
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.25
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.52
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.52
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.02
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.79
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.74
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.52
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.57
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.48
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.24
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.12
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.01

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0212	SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.63	
	For Mechanically Fastened To Concrete, Add	1.04	
	For Mechanically Fastened To Gypsum, Add	1.28	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.80	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.35	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.72	
07 22 16 00-0213	SF 4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.98	
	For Mechanically Fastened To Concrete, Add	1.07	
	For Mechanically Fastened To Gypsum, Add	1.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.29	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.35	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.58	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.26	
07 22 16 00-0214	Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0143)		
	Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0215	SF 2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.47	
	For Mechanically Fastened To Concrete, Add	1.01	
	For Mechanically Fastened To Gypsum, Add	1.25	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.78	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.67	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.52	
07 22 16 00-0216	SF 3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.79	
	For Mechanically Fastened To Concrete, Add	1.01	
	For Mechanically Fastened To Gypsum, Add	1.28	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.78	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.74	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.51	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.57	
07 22 16 00-0217	SF 3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.27	
	For Mechanically Fastened To Concrete, Add	1.04	
	For Mechanically Fastened To Gypsum, Add	1.24	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.11	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.35	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.00	
07 22 16 00-0218	SF 4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.52	
	For Mechanically Fastened To Concrete, Add	1.04	
	For Mechanically Fastened To Gypsum, Add	1.28	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.80	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.35	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.72	
07 22 16 00-0219	SF 4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.95	
	For Mechanically Fastened To Concrete, Add	1.07	
	For Mechanically Fastened To Gypsum, Add	1.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.26	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.35	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.58	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.23	
07 22 16 00-0220	SF 5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.30	
	For Mechanically Fastened To Concrete, Add	1.07	
	For Mechanically Fastened To Gypsum, Add	1.26	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.26	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.35	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.58	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.45	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.49	
07 22 16 00-0222			Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0223			Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224			Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225			Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	3.39	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.64	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.48	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.16	
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.58	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.99	
			<i>For 25 PSI Compressive Strength, Add</i>	0.53	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.67	
			<i>For 25 PSI Compressive Strength, Add</i>	0.61	
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	3.19	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.85	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.69	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.37	
			<i>For 25 PSI Compressive Strength, Add</i>	0.47	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.20	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.88	
			<i>For 25 PSI Compressive Strength, Add</i>	0.63	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.78	
			<i>For 25 PSI Compressive Strength, Add</i>	0.51	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.68	
07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.84	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
		<small>Note: Includes polyurethane adhesive.</small>	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0249)</small>	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	2.93
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.18
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.49
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.81
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.12
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.39
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.70
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.01
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.32
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.59
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0260)</small>	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	2.77
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.34
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.96
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.54
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.17
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.75
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0267)</small>	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.65
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.86
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.06
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.58
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
		<small>Note: Includes polyurethane adhesive.</small>	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0273)</small>	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.30
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.55
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.95
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.34
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.74
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.00
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.40
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.80
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.19
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 22 16 00-0284			Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>		
07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.10	
07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.75	
07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.54	
07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.20	
07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.99	
07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.65	

07 22 16 00-0291			Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>		
07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.60	
07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.05	
07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.50	

07 22 16 00-0296			Cold Adhesive Applied, Tapered Perlite Board <small>(07 22 16 00-0223)</small>		
			<i>Note: Includes polyurethane adhesive.</i>		

07 22 16 00-0297			Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>		
07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	4.79	
07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	5.70	
07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.48	
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.01	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.79	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.70	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.48	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.01	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.79	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.71	

07 22 16 00-0308			Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>		
07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	4.40	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.09	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.40	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.09	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.40	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.10	

07 22 16 00-0315			Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0296)</small>		
07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.87	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.87	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.89	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.89	

07 22 16 00-0320			Hot-Mopped Rigid Board Tapered Roofing Insulation <small>(07 22 16 00-0222)</small>		
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07 22 16 00-0321			Hot-Mopped, Tapered Polyisocyanurate Board <small>(07 22 16 00-0320)</small>		
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07 22 16 00-0322			Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0321)</small>		
07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.14	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.37	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.79	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.00	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.62	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.74	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.16	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
07 22 16 00-0330	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.58	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0331	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.99	
			<i>For 25 PSI Compressive Strength, Add</i>	0.50	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.10	
		<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.03	
		<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.58	
		<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.41	
		<i>For 25 PSI Compressive Strength, Add</i>	0.33	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.95	
		<i>For 25 PSI Compressive Strength, Add</i>	0.40	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.78	
		<i>For 25 PSI Compressive Strength, Add</i>	0.48	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.31	
		<i>For 25 PSI Compressive Strength, Add</i>	0.54	
07 22 16 00-0340		Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.99	
		<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.37	
		<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.73	
		<i>For 25 PSI Compressive Strength, Add</i>	0.58	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.11	
		<i>For 25 PSI Compressive Strength, Add</i>	0.73	
07 22 16 00-0345		Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)		
07 22 16 00-0346		Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.19	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	5.42	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.21	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.28	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.07	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.28	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.07	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.14	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	9.93	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.14	
07 22 16 00-0357		Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	3.80	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	5.81	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.68	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	8.67	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.54	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	11.53	
07 22 16 00-0364		Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	6.60	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	9.46	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	47.36	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.19	
07 22 16 00-0369		Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)		
		Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370		Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)		
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.28	
		<i>For 25 PSI Compressive Strength, Add</i>	0.22	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.14	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.56	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.07	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.49	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.72	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.42	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.84	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.50	
			<i>For 25 PSI Compressive Strength, Add</i>	0.48	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.91	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.85
		For 25 PSI Compressive Strength, Add	0.53
		For Mechanically Fastened To Concrete, Add	1.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.29
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.93
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.16
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.46
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.07
		For 25 PSI Compressive Strength, Add	0.20
		For Mechanically Fastened To Concrete, Add	0.99
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.22
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.56
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.36
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.59
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.84
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.04
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.39
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.35
		For 25 PSI Compressive Strength, Add	0.25
		For Mechanically Fastened To Concrete, Add	1.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.25
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.64
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.44
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.67
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.96
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.17
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.52
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.28
		For 25 PSI Compressive Strength, Add	0.34
		For Mechanically Fastened To Concrete, Add	1.04
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.24
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.56
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.76
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.65
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.63
		For 25 PSI Compressive Strength, Add	0.39
		For Mechanically Fastened To Concrete, Add	1.07
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.26
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.90
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.58
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.87
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.71
		For 25 PSI Compressive Strength, Add	0.50
		For Mechanically Fastened To Concrete, Add	1.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.18
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.17
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.98
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.06
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.75
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.98
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.10
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.06
		For 25 PSI Compressive Strength, Add	0.55
		For Mechanically Fastened To Concrete, Add	1.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.30
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.29
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.30
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.93
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.16
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	3.46
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.77	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0391	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.81	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0392	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.47	
			<i>For 25 PSI Compressive Strength, Add</i>	0.59	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.04	
			<i>For 25 PSI Compressive Strength, Add</i>	0.77	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.17	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.99	
07 22 16 00-0394			Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395			Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.68	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.99	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.71
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.72
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.65
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.97
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.52
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.83
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.77
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46
07 22 16 00-0406		Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>	
07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.66
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.84
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.56	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.93	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)

07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.17	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.81	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.99	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369)

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 22 Roof and Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.19
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.05
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.94
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.33
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.72
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.27
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.67
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.30
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.70
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.63	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	2.99	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.25	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.14	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.47	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.50	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.83	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.64	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.86
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.23
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.57
		<i>For Mechanically Fastened To Concrete, Add</i>	1.17
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.81
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.99

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.23
		<i>For Mechanically Fastened To Concrete, Add</i>	0.99
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.20
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.98
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.16
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.94
		<i>For Mechanically Fastened To Concrete, Add</i>	1.04
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.72
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.96
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.75	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.85	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	
07 22 16 00-0453	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.89	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	
07 22 16 00-0454			Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0455	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	3.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.99	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.22	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.56	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.36	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.84	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 22 16 00-0456	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.59	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.01	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.52	
07 22 16 00-0457	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.55	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.04	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.24	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.76	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.65	
07 22 16 00-0458	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.36	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.07	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0459	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.17	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.75	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.98	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.10	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.01
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.28
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.64
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.44
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.96
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.17
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.57
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.14
		<i>For Mechanically Fastened To Concrete, Add</i>	1.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.26
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.35
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.06
		<i>For Mechanically Fastened To Concrete, Add</i>	1.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.30
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.29
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.16
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.12
		<i>For Mechanically Fastened To Concrete, Add</i>	1.17
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.81
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.67
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.99
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.46

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation (07 22 16)

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.38
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.39
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.40
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.42
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.43
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.44
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.45
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.46
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.48
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.49
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation.....	0.50
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.51
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.52

07 24 Exterior Insulation and Finish Systems (07 20)**07 24 13 Polymer-Based Exterior Insulation and Finish System** (07 24)**07 24 13 00-0001 Exterior Insulation Finishing System (EIFS)** (07 24 13)**07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS)** (07 24 13 00-0001)

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	2.80
		<i>For Up To 100, Add</i>	0.53
		<i>For >100 To 500, Add</i>	0.27
		<i>For >5,000, Deduct</i>	-0.11
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.95
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.43
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.22
		<i>For Up To 100, Add</i>	0.54
		<i>For >100 To 500, Add</i>	0.27
		<i>For >5,000, Deduct</i>	-0.11
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.97
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.63	
			<i>For Up To 100, Add</i>	0.55	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.09	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.55	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.04	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.15	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.62	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.44	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 500, Add</i>	0.28	
			<i>For >5,000, Deduct</i>	-0.11	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.15	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.62	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.25	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.11	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.29	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.74	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	3.52	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	3.92	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	5.02	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	5.36	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	1.71	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.01	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	3.65	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	4.94	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 500, Add</i>	0.27	
			<i>For >5,000, Deduct</i>	-0.11	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.86	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	2.92	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	3.40	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.83	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.41	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.83	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	2.99	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	3.44	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	7.23	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
07 24 13 00-0029			Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF		100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	0.87	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0031	SF		100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	0.89	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0032			Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF		Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.22	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0034	SF		Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	1.53	
			<i>For Up To 100, Add</i>	0.30	
			<i>For >100 To 500, Add</i>	0.15	
			<i>For >5,000, Deduct</i>	-0.06	
07 24 13 00-0035			Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF		1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	1.90	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 500, Add</i>	0.17	
			<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0037			Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.81	
07 24 13 00-0039	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	3.04	
07 24 13 00-0040	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.31	
07 24 13 00-0041	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.87	
07 24 13 00-0042	LF		1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.04	
07 24 13 00-0043	LF		1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.31	
07 24 13 00-0044	LF		2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.57	
07 24 13 00-0045	LF		3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.19	
07 24 13 00-0046			Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24	13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS).....2.00 Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 500, Add</i>	0.50	
			<i>For >5,000, Deduct</i>	-0.20	

07 25 Weather Barriers (07)

07 26 Vapor Retarders (07 25)

07 26 13 Above-Grade Vapor Retarders (07 26)

07 26	13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....21.63		
07 26	13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....20.06		
07 26	13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....25.07		
07 26	13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....32.40		
07 26	13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing.....19.45		
07 26	13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....62.06		
07 26	13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape.....94.30		
07 26	13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape.....136.08		
07 26	13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape.....188.99		
07 26	13 00-0010	CSF	Building Wrap (Tyvek).....47.99		

07 27 Air Barriers (07 25)

07 27 23 Board Product Air Barriers (07 27)

07 27 23 00-0001 Barriers For Plenums (07 27 23)

07 27	23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....9.03	2.36	
			<i>For Up To 50, Add</i>	3.21	
			<i>For >50 To 200, Add</i>	1.83	
			<i>For >200 To 500, Add</i>	0.68	
			<i>For >2,500, Deduct</i>	-0.45	
07 27	23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....9.76	2.36	
			<i>For Up To 50, Add</i>	3.50	
			<i>For >50 To 200, Add</i>	1.99	
			<i>For >200 To 500, Add</i>	0.74	
			<i>For >2,500, Deduct</i>	-0.49	
07 27	23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....3.43	1.57	
			<i>For Up To 50, Add</i>	1.66	
			<i>For >50 To 200, Add</i>	0.92	
			<i>For >200 To 500, Add</i>	0.32	
			<i>For >2,500, Deduct</i>	-0.17	
07 27	23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....6.27	2.36	
			<i>For Up To 50, Add</i>	2.97	
			<i>For >50 To 200, Add</i>	1.64	
			<i>For >200 To 500, Add</i>	0.57	
			<i>For >2,500, Deduct</i>	-0.31	
07 27	23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....5.02	1.57	
			<i>For Up To 50, Add</i>	1.90	
			<i>For >50 To 200, Add</i>	1.08	
			<i>For >200 To 500, Add</i>	0.39	
			<i>For >2,500, Deduct</i>	-0.25	
07 27	23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....6.98	1.57	
			<i>For Up To 50, Add</i>	2.10	
			<i>For >50 To 200, Add</i>	1.22	
			<i>For >200 To 500, Add</i>	0.48	
			<i>For >2,500, Deduct</i>	-0.35	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes (07 30)

07 31 13 Asphalt Shingles (07 31)

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles (07 31 13)

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31	13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....217.24	127.19	
			<i>For >35 To 75, Deduct</i>	-10.16	
			<i>For >75 To 100, Deduct</i>	-15.08	
			<i>For >100 To 200, Deduct</i>	-22.03	
			<i>For >200, Deduct</i>	-31.88	
			<i>For Steep Roof, Over 7 To 12, Add</i>	37.01	
07 31	13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....227.79	133.57	
			<i>For >35 To 75, Deduct</i>	-10.64	
			<i>For >75 To 100, Deduct</i>	-15.80	
			<i>For >100 To 200, Deduct</i>	-23.09	
			<i>For >200, Deduct</i>	-33.42	
			<i>For Steep Roof, Over 7 To 12, Add</i>	38.86	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	267.66	140.23
		<i>For >35 To 75, Deduct</i>	-14.01	
		<i>For >75 To 100, Deduct</i>	-20.00	
		<i>For >100 To 200, Deduct</i>	-28.80	
		<i>For >200, Deduct</i>	-40.78	
		<i>For Steep Roof, Over 7 To 12, Add</i>	40.81	
07 31 13 13-0005		Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)		
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark).....	269.90	162.36
		<i>For >35 To 75, Deduct</i>	-12.23	
		<i>For >75 To 100, Deduct</i>	-18.37	
		<i>For >100 To 200, Deduct</i>	-26.95	
		<i>For >200, Deduct</i>	-39.22	
		<i>For Steep Roof, Over 7 To 12, Add</i>	47.23	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	290.59	154.59
		<i>For >35 To 75, Deduct</i>	-15.00	
		<i>For >75 To 100, Deduct</i>	-21.52	
		<i>For >100 To 200, Deduct</i>	-31.03	
		<i>For >200, Deduct</i>	-44.06	
		<i>For Steep Roof, Over 7 To 12, Add</i>	44.98	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	313.95	170.48
		<i>For >35 To 75, Deduct</i>	-15.89	
		<i>For >75 To 100, Deduct</i>	-22.95	
		<i>For >100 To 200, Deduct</i>	-33.18	
		<i>For >200, Deduct</i>	-47.29	
		<i>For Steep Roof, Over 7 To 12, Add</i>	49.60	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	308.10	147.23
		<i>For >35 To 75, Deduct</i>	-17.43	
		<i>For >75 To 100, Deduct</i>	-24.26	
		<i>For >100 To 200, Deduct</i>	-34.57	
		<i>For >200, Deduct</i>	-48.24	
		<i>For Steep Roof, Over 7 To 12, Add</i>	42.83	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	342.30	179.01
		<i>For >35 To 75, Deduct</i>	-17.96	
		<i>For >75 To 100, Deduct</i>	-25.62	
		<i>For >100 To 200, Deduct</i>	-36.87	
		<i>For >200, Deduct</i>	-52.19	
		<i>For Steep Roof, Over 7 To 12, Add</i>	52.07	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	368.62	179.01
		<i>For >35 To 75, Deduct</i>	-20.59	
		<i>For >75 To 100, Deduct</i>	-28.78	
		<i>For >100 To 200, Deduct</i>	-41.08	
		<i>For >200, Deduct</i>	-57.45	
		<i>For Steep Roof, Over 7 To 12, Add</i>	52.07	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	402.01	197.33
		<i>For >35 To 75, Deduct</i>	-22.26	
		<i>For >75 To 100, Deduct</i>	-31.20	
		<i>For >100 To 200, Deduct</i>	-44.58	
		<i>For >200, Deduct</i>	-62.46	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.42	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	400.90	187.96
		<i>For >35 To 75, Deduct</i>	-23.01	
		<i>For >75 To 100, Deduct</i>	-31.88	
		<i>For >100 To 200, Deduct</i>	-45.35	
		<i>For >200, Deduct</i>	-63.10	
		<i>For Steep Roof, Over 7 To 12, Add</i>	54.66	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	400.99	179.01
		<i>For >35 To 75, Deduct</i>	-23.83	
		<i>For >75 To 100, Deduct</i>	-32.66	
		<i>For >100 To 200, Deduct</i>	-46.26	
		<i>For >200, Deduct</i>	-63.93	
		<i>For Steep Roof, Over 7 To 12, Add</i>	52.07	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	472.88	197.33
		<i>For >35 To 75, Deduct</i>	-29.35	
		<i>For >75 To 100, Deduct</i>	-39.70	
		<i>For >100 To 200, Deduct</i>	-55.92	
		<i>For >200, Deduct</i>	-76.63	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.42	
07 31 13 13-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	491.33	197.33
		<i>For >35 To 75, Deduct</i>	-31.19	
		<i>For >75 To 100, Deduct</i>	-41.91	
		<i>For >100 To 200, Deduct</i>	-58.88	
		<i>For >200, Deduct</i>	-80.32	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	546.32	217.60
			<i>For >35 To 75, Deduct</i>	-34.85	
			<i>For >75 To 100, Deduct</i>	-46.77	
			<i>For >100 To 200, Deduct</i>	-65.65	
			<i>For >200, Deduct</i>	-89.48	
			<i>For Steep Roof, Over 7 To 12, Add</i>	63.30	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	540.08	207.19
			<i>For >35 To 75, Deduct</i>	-35.17	
			<i>For >75 To 100, Deduct</i>	-46.91	
			<i>For >100 To 200, Deduct</i>	-65.69	
			<i>For >200, Deduct</i>	-89.18	
			<i>For Steep Roof, Over 7 To 12, Add</i>	60.28	
			<i>For Asphalt Roof Cement Applied To Front Edge, Add</i>	15.17	

07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13)

07 31 13 13-0020	LF		Hip And Ridge Roll Vent Note: Excludes shingles.	5.92	0.76
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	2.95	1.89
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles.....	3.64	2.11
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	58.98	

07 31 16 Metal Shingles (07 31)

07 31 16 00-0001 Aluminum Shingles (07 31 16)

07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick	696.65	119.81
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick	997.07	130.95
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick	13.43	1.72
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick	14.18	1.72
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	7.87	1.72
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	9.35	1.72

07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)

07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles.....	371.96	108.15
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-6.23	
			<i>For >75 To 100, Deduct</i>	-16.30	
			<i>For >100 To 200, Deduct</i>	-27.94	
			<i>For >200, Deduct</i>	-38.01	
			<i>For Steep Roof, Over 7 To 12, Add</i>	69.23	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles.....	357.31	107.28
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-5.71	
			<i>For >75 To 100, Deduct</i>	-15.36	
			<i>For >100 To 200, Deduct</i>	-26.43	
			<i>For >200, Deduct</i>	-36.08	
			<i>For Steep Roof, Over 7 To 12, Add</i>	68.64	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	598.86	108.15
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-15.30	
			<i>For >75 To 100, Deduct</i>	-32.19	
			<i>For >100 To 200, Deduct</i>	-52.89	
			<i>For >200, Deduct</i>	-69.78	
			<i>For Steep Roof, Over 7 To 12, Add</i>	69.23	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	549.87	107.28
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-13.41	
			<i>For >75 To 100, Deduct</i>	-28.84	
			<i>For >100 To 200, Deduct</i>	-47.62	
			<i>For >200, Deduct</i>	-63.04	
			<i>For Steep Roof, Over 7 To 12, Add</i>	68.64	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley.....	6.11	1.44
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For >50 To 75, Deduct</i>	-0.13	
			<i>For >75 To 100, Deduct</i>	-0.30	
			<i>For >100 To 200, Deduct</i>	-0.50	
			<i>For >200, Deduct</i>	-0.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.91	

07 31 26 Slate Shingles (07 31)

Note: Includes 30 LB felt and fasteners.

07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	962.64	184.54
		<i>For >50 To 75, Deduct</i>	-22.10	
		<i>For >75 To 100, Deduct</i>	-48.93	
		<i>For >100 To 200, Deduct</i>	-81.29	
		<i>For >200, Deduct</i>	-108.12	
		<i>For Graduated Shapes, Add</i>	82.89	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,113.76	184.54
		<i>For >50 To 75, Deduct</i>	-28.15	
		<i>For >75 To 100, Deduct</i>	-59.51	
		<i>For >100 To 200, Deduct</i>	-97.91	
		<i>For >200, Deduct</i>	-129.27	
		<i>For Graduated Shapes, Add</i>	105.56	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,068.42	184.54
		<i>For >50 To 75, Deduct</i>	-26.33	
		<i>For >75 To 100, Deduct</i>	-56.34	
		<i>For >100 To 200, Deduct</i>	-92.92	
		<i>For >200, Deduct</i>	-122.93	
		<i>For Graduated Shapes, Add</i>	98.76	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green.....	1,083.54	184.54
		<i>For >50 To 75, Deduct</i>	-26.94	
		<i>For >75 To 100, Deduct</i>	-57.40	
		<i>For >100 To 200, Deduct</i>	-94.59	
		<i>For >200, Deduct</i>	-125.04	
		<i>For Graduated Shapes, Add</i>	101.02	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,143.99	184.54
		<i>For >50 To 75, Deduct</i>	-29.36	
		<i>For >75 To 100, Deduct</i>	-61.63	
		<i>For >100 To 200, Deduct</i>	-101.24	
		<i>For >200, Deduct</i>	-133.51	
		<i>For Graduated Shapes, Add</i>	110.09	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,068.42	184.54
		<i>For >50 To 75, Deduct</i>	-26.33	
		<i>For >75 To 100, Deduct</i>	-56.34	
		<i>For >100 To 200, Deduct</i>	-92.92	
		<i>For >200, Deduct</i>	-122.93	
		<i>For Graduated Shapes, Add</i>	98.76	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,023.09	184.54
		<i>For >50 To 75, Deduct</i>	-24.52	
		<i>For >75 To 100, Deduct</i>	-53.16	
		<i>For >100 To 200, Deduct</i>	-87.94	
		<i>For >200, Deduct</i>	-116.58	
		<i>For Graduated Shapes, Add</i>	91.96	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	1,967.41	184.54
		<i>For >50 To 75, Deduct</i>	-62.29	
		<i>For >75 To 100, Deduct</i>	-119.27	
		<i>For >100 To 200, Deduct</i>	-191.81	
		<i>For >200, Deduct</i>	-248.78	
		<i>For Graduated Shapes, Add</i>	233.60	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,068.42	184.54
		<i>For >50 To 75, Deduct</i>	-26.33	
		<i>For >75 To 100, Deduct</i>	-56.34	
		<i>For >100 To 200, Deduct</i>	-92.92	
		<i>For >200, Deduct</i>	-122.93	
		<i>For Graduated Shapes, Add</i>	98.76	
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.22	

07 31 29 Wood Shingles and Shakes (07 31)**07 31 29 13 Wood Shingles (07 31 29)**

07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	645.57	157.51
		<i>For Steep Roof, Over 7 To 12, Add</i>	100.81	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	49.58	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	467.66	118.13
		<i>For Steep Roof, Over 7 To 12, Add</i>	75.61	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	34.71	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	573.52	133.89
		<i>For Steep Roof, Over 7 To 12, Add</i>	85.69	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	45.86	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	469.70	110.26
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.56	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	37.38	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	625.22	104.35
		<i>For Steep Roof, Over 7 To 12, Add</i>	66.78	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	62.48	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	483.33	88.60
		<i>For Steep Roof, Over 7 To 12, Add</i>	56.70	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	45.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	448.80 24.79	141.76
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	439.62 25.78	133.89
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	451.00 32.80	116.17

07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)

07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	597.76 105.85 40.05	165.39
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	532.88 95.77 35.04	149.63
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	569.33 95.77 40.51	149.63
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	508.00 85.69 36.03	133.89
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	499.30 66.78 43.59	104.35
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	407.49 57.96 33.95	90.57

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)

07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	432.76 20.02	149.63
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	418.55 20.25	141.76
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	404.58 22.88	126.01

07 31 29 16 Wood Shakes (07 31 29)

07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)

07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	469.55 81.91 32.04	127.97
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	540.75 81.91 42.72	127.97
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	502.39 66.78 44.05	104.35
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative), Add	532.64 66.78 48.59	104.35

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)

07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	489.24 32.04	137.82
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	560.44 42.72	137.82
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	529.96 44.05	118.13
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall For Pressure-Impregnated Treated (Preservative), Add	560.21 48.59	118.13

07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)

07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)

07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes..... For Steep Roof, Over 7 To 12, Add For Pressure-Impregnated Treated (Preservative) Ridge, Add	8.02 0.76 0.85	1.02
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07 31 33 Composite Rubber Shingles (07 31)

07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles (07 31 33)

Note: As manufactured by EcoStar.

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure.....	904.37	160.55
		Note: Gray or black.		
		For Purple Or Green Color, Add	93.33	
		For Brown Or Red Color, Add	239.15	
		For Steep Roof, Over 7 To 12, Add	102.74	
		For >50 To 75, Deduct	-14.58	
		For >75 To 100, Deduct	-37.19	
		For >100 To 200, Deduct	-59.80	
		For >200, Deduct	-90.44	
		For 6.5" Exposure, Add	59.85	
		For 6.0" Exposure, Add	126.15	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure.....	1,293.24	160.55
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	145.83	
		For Steep Roof, Over 7 To 12, Add	102.74	
		For >50 To 75, Deduct	-24.30	
		For >75 To 100, Deduct	-56.64	
		For >100 To 200, Deduct	-88.97	
		For >200, Deduct	-129.32	
		For 6.5" Exposure, Add	87.62	
		For 6.0" Exposure, Add	181.72	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure.....	1,064.49	160.55
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	267.63	
		For Steep Roof, Over 7 To 12, Add	102.74	
		For >50 To 75, Deduct	-18.59	
		For >75 To 100, Deduct	-45.20	
		For >100 To 200, Deduct	-71.81	
		For >200, Deduct	-106.45	
		For 6.5" Exposure, Add	71.28	
		For 6.0" Exposure, Add	149.03	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure.....	1,373.30	160.55
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	115.75	
		For Steep Roof, Over 7 To 12, Add	102.74	
		For >50 To 75, Deduct	-26.31	
		For >75 To 100, Deduct	-60.64	
		For >100 To 200, Deduct	-94.97	
		For >200, Deduct	-137.33	
		For 6.5" Exposure, Add	93.33	
		For 6.0" Exposure, Add	193.16	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	9.30	1.08
		Note: Beveled or pointed edges, gray or black.		
		For Steep Roof, Over 7 To 12, Add	0.54	
07 31 33 00-0007		Synthetic Slate Shingles <small>(07 31 33)</small>		
		Note: As manufactured by Inspire Roofing Products.		
07 31 33 00-0008		Class C Synthetic Slate Shingles <small>(07 31 33 00-0007)</small>		
07 31 33 00-0009	SQ	6" Exposure, Class C Synthetic Slate Shingles.....	1,199.25	119.78
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	76.66	
		For >50 To 75, Deduct	-23.99	
		For >75 To 100, Deduct	-53.97	
		For >100 To 200, Deduct	-83.95	
		For >200, Deduct	-119.93	
		For Class C Mix Roof Colors, Add	56.43	
		For Class C Cool Roof Colors, Add	141.17	
		For Class C Cool Roof Mix Color, Add	197.60	
07 31 33 00-0010	SQ	6-1/2" Exposure, Class C Synthetic Slate Shingles.....	1,115.88	114.06
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	73.01	
		For >50 To 75, Deduct	-22.19	
		For >75 To 100, Deduct	-50.09	
		For >100 To 200, Deduct	-77.99	
		For >200, Deduct	-111.59	
		For Class C Mix Roof Colors, Add	52.20	
		For Class C Cool Roof Colors, Add	130.58	
		For Class C Cool Roof Mix Color, Add	182.78	
07 31 33 00-0011	SQ	7" Exposure, Class C Synthetic Slate Shingles.....	1,038.32	108.90
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	69.69	
		For >50 To 75, Deduct	-20.51	
		For >75 To 100, Deduct	-46.47	
		For >100 To 200, Deduct	-72.43	
		For >200, Deduct	-103.83	
		For Class C Mix Roof Colors, Add	48.25	
		For Class C Cool Roof Colors, Add	120.70	
		For Class C Cool Roof Mix Color, Add	168.95	
07 31 33 00-0012	SQ	7-1/2" Exposure, Class C Synthetic Slate Shingles.....	976.07	104.16
		Note: Standard colors.		
		For Steep Roof, Over 7 To 12, Add	66.66	
		For >50 To 75, Deduct	-19.19	
		For >75 To 100, Deduct	-43.60	
		For >100 To 200, Deduct	-68.00	
		For >200, Deduct	-97.61	
		For Class C Mix Roof Colors, Add	45.14	
		For Class C Cool Roof Colors, Add	112.94	
		For Class C Cool Roof Mix Color, Add	158.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0013	SQ		8" Exposure, Class C Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add	919.40 63.88 -17.99 -40.98 -63.96 -91.94 42.32 105.88 148.20	99.82
07 31 33 00-0014	LF		Starter Strip, Class C Synthetic Slate Shingle Note: Standard colors. For Steep Roof, Over 7 To 12, Add For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add	6.19 0.54 0.26 0.66 0.92	1.08
07 31 33 00-0015	LF		Hip And Ridge, Class C Synthetic Slate Shingle Note: Standard colors. For Steep Roof, Over 7 To 12, Add For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add	11.74 0.54 0.59 1.48 2.07	1.08
07 31 33 00-0016			Class A Synthetic Slate Shingles (07 31 33 00-0007) Note: For Class "A" Rating a 35 LB Styrene-Butadiene-Styrene (SBS) underlayment is required.		
07 31 33 00-0017	SQ		6" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	1,308.29 76.66 -26.72 -59.43 -92.13 -130.83 56.11 140.32 196.43	119.78
07 31 33 00-0018	SQ		6-1/2" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	1,216.74 73.01 -24.71 -55.13 -85.55 -121.67 51.90 129.80 181.70	114.06
07 31 33 00-0019	SQ		7" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	1,131.55 69.69 -22.84 -51.13 -79.42 -113.16 47.97 119.98 167.95	108.90
07 31 33 00-0020	SQ		7-1/2" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	1,063.31 66.66 -21.37 -47.96 -74.54 -106.33 44.89 112.26 157.15	104.16
07 31 33 00-0021	SQ		8" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	1,001.18 63.88 -20.04 -45.07 -70.10 -100.12 42.08 105.24 147.32	99.82
07 31 33 00-0022	LF		Starter Strip, Class A Synthetic Slate Shingle..... Note: Standard colors. For Steep Roof, Over 7 To 12, Add For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	6.50 0.54 0.25 0.63 0.88	1.08
07 31 33 00-0023	LF		Hip And Ridge, Class A Synthetic Slate Shingle..... Note: Standard colors. For Steep Roof, Over 7 To 12, Add For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add	12.88 0.54 0.59 1.47 2.05	1.08

07 32 Roof Tiles (07 30)

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 32 Roof Tiles

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 32 13 Clay Roof Tiles (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ Lanai Or Classic Tile, 158 Piece Per SQ	1,128.89	175.01
	For >25 To 50, Deduct	-46.73	
	For >50 To 75, Deduct	-86.63	
	For >75 To 100, Deduct	-118.75	
	For >100 To 200, Deduct	-143.08	
	For >200, Deduct	-159.62	
	For 20 Year Warranty, Add	54.52	
07 32 13 00-0003	SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,380.62	175.01
	For >25 To 50, Deduct	-61.83	
	For >50 To 75, Deduct	-111.81	
	For >75 To 100, Deduct	-151.48	
	For >100 To 200, Deduct	-180.84	
	For >200, Deduct	-199.90	
	For 20 Year Warranty, Add	72.14	
07 32 13 00-0004	SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,380.62	175.01
	For >25 To 50, Deduct	-61.83	
	For >50 To 75, Deduct	-111.81	
	For >75 To 100, Deduct	-151.48	
	For >100 To 200, Deduct	-180.84	
	For >200, Deduct	-199.90	
	For 20 Year Warranty, Add	72.14	
07 32 13 00-0005	SQ Americana (Blue) Tile, 158 Piece Per SQ	1,594.20	175.01
	For >25 To 50, Deduct	-74.65	
	For >50 To 75, Deduct	-133.16	
	For >75 To 100, Deduct	-179.24	
	For >100 To 200, Deduct	-212.87	
	For >200, Deduct	-234.07	
	For 20 Year Warranty, Add	87.09	
07 32 13 00-0006	SQ French Tile Roofing, Red, 133 Piece Per SQ	1,342.13	213.99
	For >25 To 50, Deduct	-54.85	
	For >50 To 75, Deduct	-102.12	
	For >75 To 100, Deduct	-140.24	
	For >100 To 200, Deduct	-169.22	
	For >200, Deduct	-189.06	
	For 20 Year Warranty, Add	63.99	
07 32 13 00-0007	SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,717.86	213.99
	For >25 To 50, Deduct	-77.39	
	For >50 To 75, Deduct	-139.69	
	For >75 To 100, Deduct	-189.09	
	For >100 To 200, Deduct	-225.58	
	For >200, Deduct	-249.18	
	For 20 Year Warranty, Add	90.29	
07 32 13 00-0008	SQ Norman Tile Roofing, 317 Piece Per SQ	2,179.83	288.68
	For >25 To 50, Deduct	-96.16	
	For >50 To 75, Deduct	-174.69	
	For >75 To 100, Deduct	-237.20	
	For >100 To 200, Deduct	-283.69	
	For >200, Deduct	-314.14	
	For 20 Year Warranty, Add	112.19	
07 32 13 00-0009	SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,154.14	213.99
	For >25 To 50, Deduct	-43.57	
	For >50 To 75, Deduct	-83.32	
	For >75 To 100, Deduct	-115.80	
	For >100 To 200, Deduct	-141.02	
	For >200, Deduct	-158.98	
	For 20 Year Warranty, Add	50.83	
07 32 13 00-0010	SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,458.51	213.99
	For >25 To 50, Deduct	-61.83	
	For >50 To 75, Deduct	-113.75	
	For >75 To 100, Deduct	-155.37	
	For >100 To 200, Deduct	-186.68	
	For >200, Deduct	-207.68	
	For 20 Year Warranty, Add	72.14	
07 32 13 00-0011	SQ Spanish Tile Roofing, Red, 171 Piece Per SQ	1,007.76	160.22
	For >25 To 50, Deduct	-41.24	
	For >50 To 75, Deduct	-76.74	
	For >75 To 100, Deduct	-105.37	
	For >100 To 200, Deduct	-127.13	
	For >200, Deduct	-142.01	
	For 20 Year Warranty, Add	48.11	
07 32 13 00-0012	SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,335.76	160.22
	For >25 To 50, Deduct	-60.92	
	For >50 To 75, Deduct	-109.54	
	For >75 To 100, Deduct	-148.01	
	For >100 To 200, Deduct	-176.33	
	For >200, Deduct	-194.49	
	For 20 Year Warranty, Add	71.07	
07 32 13 00-0013	SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,618.00	160.22
	For >25 To 50, Deduct	-77.85	
	For >50 To 75, Deduct	-137.76	
	For >75 To 100, Deduct	-184.70	
	For >100 To 200, Deduct	-218.66	
	For >200, Deduct	-239.65	
	For 20 Year Warranty, Add	90.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ	1,914.25	251.15
			<i>For >25 To 50, Deduct</i>	-84.72	
			<i>For >50 To 75, Deduct</i>	-153.75	
			<i>For >75 To 100, Deduct</i>	-208.67	
			<i>For >100 To 200, Deduct</i>	-249.47	
			<i>For >200, Deduct</i>	-276.14	
			<i>For 20 Year Warranty, Add</i>	98.84	
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	800.89	175.01
			<i>For >25 To 50, Deduct</i>	-27.05	
			<i>For >50 To 75, Deduct</i>	-53.83	
			<i>For >75 To 100, Deduct</i>	-76.11	
			<i>For >100 To 200, Deduct</i>	-93.88	
			<i>For >200, Deduct</i>	-107.14	
			<i>For 20 Year Warranty, Add</i>	31.56	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ	1,056.10	251.15
			<i>For >25 To 50, Deduct</i>	-33.23	
			<i>For >50 To 75, Deduct</i>	-67.94	
			<i>For >75 To 100, Deduct</i>	-97.11	
			<i>For >100 To 200, Deduct</i>	-120.74	
			<i>For >200, Deduct</i>	-138.84	
			<i>For 20 Year Warranty, Add</i>	38.77	

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	815.55	265.30
			<i>For >50 To 75, Deduct</i>	-11.40	
			<i>For >75 To 100, Deduct</i>	-33.21	
			<i>For >100 To 200, Deduct</i>	-57.87	
			<i>For >200, Deduct</i>	-79.68	
			<i>For Steep Roof, Over 7 To 12, Add</i>	169.81	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,105.82	265.30
			<i>For >50 To 75, Deduct</i>	-23.01	
			<i>For >75 To 100, Deduct</i>	-53.53	
			<i>For >100 To 200, Deduct</i>	-89.80	
			<i>For >200, Deduct</i>	-120.32	
			<i>For Steep Roof, Over 7 To 12, Add</i>	169.81	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	873.61	265.30
			<i>For >50 To 75, Deduct</i>	-13.72	
			<i>For >75 To 100, Deduct</i>	-37.27	
			<i>For >100 To 200, Deduct</i>	-64.26	
			<i>For >200, Deduct</i>	-87.81	
			<i>For Steep Roof, Over 7 To 12, Add</i>	169.81	
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	832.27	237.37
			<i>For >50 To 75, Deduct</i>	-14.30	
			<i>For >75 To 100, Deduct</i>	-36.89	
			<i>For >100 To 200, Deduct</i>	-63.06	
			<i>For >200, Deduct</i>	-85.66	
			<i>For Steep Roof, Over 7 To 12, Add</i>	151.94	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.90	
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	3.23	
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.87	
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	5.58	
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	5.81	

07 34 Roofing Underlayment (07 30)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	27.96	5.17
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.31	
			<i>For >50 To 75, Deduct</i>	-0.70	
			<i>For >75 To 100, Deduct</i>	-1.49	
			<i>For >100 To 200, Deduct</i>	-2.45	
			<i>For >200, Deduct</i>	-3.50	
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	43.66	7.12
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.55	
			<i>For >50 To 75, Deduct</i>	-1.18	
			<i>For >75 To 100, Deduct</i>	-2.42	
			<i>For >100 To 200, Deduct</i>	-3.95	
			<i>For >200, Deduct</i>	-5.54	
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	49.20	7.12
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.55	
			<i>For >50 To 75, Deduct</i>	-1.40	
			<i>For >75 To 100, Deduct</i>	-2.80	
			<i>For >100 To 200, Deduct</i>	-4.56	
			<i>For >200, Deduct</i>	-6.32	
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	52.99	10.78
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.90	
			<i>For >50 To 75, Deduct</i>	-1.26	
			<i>For >75 To 100, Deduct</i>	-2.74	
			<i>For >100 To 200, Deduct</i>	-4.54	
			<i>For >200, Deduct</i>	-6.56	

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 34 Roofing Underlayment

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	59.55	10.78
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.90	
		<i>For >50 To 75, Deduct</i>	-1.52	
		<i>For >75 To 100, Deduct</i>	-3.20	
		<i>For >100 To 200, Deduct</i>	-5.26	
		<i>For >200, Deduct</i>	-7.47	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	70.36	10.78
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.90	
		<i>For >50 To 75, Deduct</i>	-1.95	
		<i>For >75 To 100, Deduct</i>	-3.96	
		<i>For >100 To 200, Deduct</i>	-6.45	
		<i>For >200, Deduct</i>	-8.99	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	64.96	10.78
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.90	
		<i>For >50 To 75, Deduct</i>	-1.74	
		<i>For >75 To 100, Deduct</i>	-3.58	
		<i>For >100 To 200, Deduct</i>	-5.85	
		<i>For >200, Deduct</i>	-8.23	
07 34 00 00-0009		Self-Adhering, Roofing Underlayment (07 34)		
		Note: Standard slope.		
07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	115.90	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-3.59	
		<i>For >75 To 100, Deduct</i>	-6.94	
		<i>For >100 To 200, Deduct</i>	-11.18	
		<i>For >200, Deduct</i>	-15.18	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	178.59	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-6.10	
		<i>For >75 To 100, Deduct</i>	-11.33	
		<i>For >100 To 200, Deduct</i>	-18.08	
		<i>For >200, Deduct</i>	-23.96	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G).....	123.65	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-3.90	
		<i>For >75 To 100, Deduct</i>	-7.48	
		<i>For >100 To 200, Deduct</i>	-12.03	
		<i>For >200, Deduct</i>	-16.27	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	115.90	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-3.59	
		<i>For >75 To 100, Deduct</i>	-6.94	
		<i>For >100 To 200, Deduct</i>	-11.18	
		<i>For >200, Deduct</i>	-15.18	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30).....	169.55	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-5.74	
		<i>For >75 To 100, Deduct</i>	-10.69	
		<i>For >100 To 200, Deduct</i>	-17.08	
		<i>For >200, Deduct</i>	-22.69	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	141.22	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-4.60	
		<i>For >75 To 100, Deduct</i>	-8.71	
		<i>For >100 To 200, Deduct</i>	-13.97	
		<i>For >200, Deduct</i>	-18.73	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	214.22	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-7.52	
		<i>For >75 To 100, Deduct</i>	-13.82	
		<i>For >100 To 200, Deduct</i>	-22.00	
		<i>For >200, Deduct</i>	-28.95	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	246.20	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-8.80	
		<i>For >75 To 100, Deduct</i>	-16.06	
		<i>For >100 To 200, Deduct</i>	-25.51	
		<i>For >200, Deduct</i>	-33.42	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	366.17	13.08
		<i>For Steep Roof, Over 7 To 12, Add</i>	8.36	
		<i>For >50 To 75, Deduct</i>	-13.60	
		<i>For >75 To 100, Deduct</i>	-24.46	
		<i>For >100 To 200, Deduct</i>	-38.71	
		<i>For >200, Deduct</i>	-50.22	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 40 Roofing and Siding Panels⁽⁰⁷⁾

07 41 Roof Panels^(07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels^(07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing^(07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing^(07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels^(07 41 13 00-0002)

07 41 13 00-0004	SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.45	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0005	SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.65	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0006	SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.09	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0007	SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.53	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0008	SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	3.98	0.65
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.58	
07 41 13 00-0009	SF 29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.68	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0010	SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.51	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories^(07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	23.63	2.90
	For Steep Roof, Over 7 To 12, Add	3.69	
	For Fluoropolymer (Kynar®) Coating, Add	1.21	
07 41 13 00-0013	LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing	18.70	2.90
	For Steep Roof, Over 7 To 12, Add	3.69	
	For Fluoropolymer (Kynar®) Coating, Add	0.72	
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	28.38	2.90
	For Steep Roof, Over 7 To 12, Add	3.69	
	For Fluoropolymer (Kynar®) Coating, Add	1.69	
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing	24.06	2.90
	For Steep Roof, Over 7 To 12, Add	3.69	
	For Fluoropolymer (Kynar®) Coating, Add	1.25	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing^(07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels^(07 41 13 00-0016)

07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	3.71	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	3.84	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.15	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.57	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	4.99	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	5.51	1.81
	For Fluoropolymer (Kynar®) Coating, Add	0.85	
	For Steep Roof, Over 7 To 12, Add	0.93	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories^(07 41 13 00-0016)

07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	22.25	2.90
	For Steep Roof, Over 7 To 12, Add	2.32	
	For Fluoropolymer (Kynar®) Coating, Add	1.50	
07 41 13 00-0026	LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing.....	16.09	2.90
	For Steep Roof, Over 7 To 12, Add	2.32	
	For Fluoropolymer (Kynar®) Coating, Add	0.89	
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing	28.19	2.90
	For Steep Roof, Over 7 To 12, Add	2.32	
	For Fluoropolymer (Kynar®) Coating, Add	2.10	
07 41 13 00-0028	LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing.....	22.79	2.90
	For Steep Roof, Over 7 To 12, Add	2.32	
	For Fluoropolymer (Kynar®) Coating, Add	1.56	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 41 13 00-0029	Standing Seam Roofs <small>(07 41 13)</small> Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030	Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031	Galvanized Steel Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0032	SF Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.35	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.49	
	<i>For Panels <16" Wide, Add</i>	1.18	
	<i>For Up To 1,500, Add</i>	2.34	
	<i>For >1,500 To 5,000, Add</i>	1.40	
	<i>For >5,000 To 10,000, Add</i>	0.23	
07 41 13 00-0033	SF Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.87	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.50	
	<i>For Panels <16" Wide, Add</i>	1.20	
	<i>For Up To 1,500, Add</i>	2.47	
	<i>For >1,500 To 5,000, Add</i>	1.48	
	<i>For >5,000 To 10,000, Add</i>	0.25	
07 41 13 00-0034	SF Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	8.89	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.49	
	<i>For Panels <16" Wide, Add</i>	1.15	
	<i>For Up To 1,500, Add</i>	2.22	
	<i>For >1,500 To 5,000, Add</i>	1.33	
	<i>For >5,000 To 10,000, Add</i>	0.22	
07 41 13 00-0035	SF Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.08	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.49	
	<i>For Panels <16" Wide, Add</i>	1.16	
	<i>For Up To 1,500, Add</i>	2.27	
	<i>For >1,500 To 5,000, Add</i>	1.36	
	<i>For >5,000 To 10,000, Add</i>	0.23	
07 41 13 00-0036	SF Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	9.28	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.49	
	<i>For Panels <16" Wide, Add</i>	1.17	
	<i>For Up To 1,500, Add</i>	2.32	
	<i>For >1,500 To 5,000, Add</i>	1.39	
	<i>For >5,000 To 10,000, Add</i>	0.23	
07 41 13 00-0037	SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.03	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.51	
	<i>For Panels <16" Wide, Add</i>	1.21	
	<i>For Up To 1,500, Add</i>	2.51	
	<i>For >1,500 To 5,000, Add</i>	1.50	
	<i>For >5,000 To 10,000, Add</i>	0.25	
07 41 13 00-0038	Accessories For Galvanized Steel Standing Seam Roofing <small>(07 41 13 00-0030)</small>		
07 41 13 00-0039	LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	24.84	4.61
	<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
	<i>For 140 MPH Wind Load, Add</i>	1.42	
07 41 13 00-0040	LF Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	19.42	4.61
	<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
	<i>For 140 MPH Wind Load, Add</i>	1.31	
07 41 13 00-0041	LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.06	4.61
	<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
	<i>For 140 MPH Wind Load, Add</i>	1.52	
07 41 13 00-0042	LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	25.31	4.61
	<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
	<i>For 140 MPH Wind Load, Add</i>	1.43	
07 41 13 00-0043	Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0029)</small> Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044	Aluminum Standing Seam Concealed Fastener Roofing <small>(07 41 13 00-0043)</small>		
07 41 13 00-0045	SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	9.72	1.92
	<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
	<i>For 140 MPH Wind Load, Add</i>	0.50	
	<i>For Panels <16" Wide, Add</i>	1.20	
	<i>For Up To 1,500, Add</i>	2.43	
	<i>For >1,500 To 5,000, Add</i>	1.46	
	<i>For >5,000 To 10,000, Add</i>	0.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	10.16	1.92
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
			<i>For 140 MPH Wind Load, Add</i>	0.51	
			<i>For Panels <16" Wide, Add</i>	1.22	
			<i>For Up To 1,500, Add</i>	2.54	
			<i>For >1,500 To 5,000, Add</i>	1.52	
			<i>For >5,000 To 10,000, Add</i>	0.25	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	9.46	1.92
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
			<i>For 140 MPH Wind Load, Add</i>	0.50	
			<i>For Panels <16" Wide, Add</i>	1.18	
			<i>For Up To 1,500, Add</i>	2.37	
			<i>For >1,500 To 5,000, Add</i>	1.42	
			<i>For >5,000 To 10,000, Add</i>	0.24	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	10.28	1.92
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.15	
			<i>For 140 MPH Wind Load, Add</i>	0.51	
			<i>For Panels <16" Wide, Add</i>	1.22	
			<i>For Up To 1,500, Add</i>	2.57	
			<i>For >1,500 To 5,000, Add</i>	1.54	
			<i>For >5,000 To 10,000, Add</i>	0.26	
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	28.04	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
			<i>For 140 MPH Wind Load, Add</i>	1.48	
07 41 13 00-0051	LF		Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	21.27	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
			<i>For 140 MPH Wind Load, Add</i>	1.35	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.57	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
			<i>For 140 MPH Wind Load, Add</i>	1.61	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	28.64	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
			<i>For 140 MPH Wind Load, Add</i>	1.50	
07 41 13 00-0054			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	18.44	2.31
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.73	
			<i>For 140 MPH Wind Load, Add</i>	0.83	
			<i>For Panels <16" Wide, Add</i>	1.99	
			<i>For Up To 1,500, Add</i>	4.61	
			<i>For >1,500 To 5,000, Add</i>	2.77	
			<i>For >5,000 To 10,000, Add</i>	0.46	
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	21.14	2.31
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.73	
			<i>For 140 MPH Wind Load, Add</i>	0.88	
			<i>For Panels <16" Wide, Add</i>	2.12	
			<i>For Up To 1,500, Add</i>	5.29	
			<i>For >1,500 To 5,000, Add</i>	3.17	
			<i>For >5,000 To 10,000, Add</i>	0.53	
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	24.34	2.31
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.73	
			<i>For 140 MPH Wind Load, Add</i>	0.95	
			<i>For Panels <16" Wide, Add</i>	2.28	
			<i>For Up To 1,500, Add</i>	6.09	
			<i>For >1,500 To 5,000, Add</i>	3.65	
			<i>For >5,000 To 10,000, Add</i>	0.61	
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	28.44	2.31
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.73	
			<i>For 140 MPH Wind Load, Add</i>	1.03	
			<i>For Panels <16" Wide, Add</i>	2.49	
			<i>For Up To 1,500, Add</i>	7.11	
			<i>For >1,500 To 5,000, Add</i>	4.27	
			<i>For >5,000 To 10,000, Add</i>	0.71	
07 41 13 00-0060			Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	62.51	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.89	
			<i>For 140 MPH Wind Load, Add</i>	2.29	
07 41 13 00-0062	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	38.52	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.89	
			<i>For 140 MPH Wind Load, Add</i>	1.81	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	85.19	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.89	
			<i>For 140 MPH Wind Load, Add</i>	2.74	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	64.30	4.61
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.89	
			<i>For 140 MPH Wind Load, Add</i>	2.32	
07 41 13 00-0065			Metal Roof Surfacing (07 41 13)		

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.33	
		<i>For Steep Roof, Over 7 To 12, Add</i>	<i>0.04</i>	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	0.50	
		Note: 55% solids by volume.		
		<i>For Steep Roof, Over 7 To 12, Add</i>	<i>0.04</i>	

07 41 16 Insulated Metal Roof Panels (07 41)

07 41 16 00-0001		Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)		
07 41 16 00-0002		Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001) Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	18.83	3.31
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	20.73	3.57
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	22.04	3.88
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	23.08	4.10
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	24.19	4.32
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	25.11	4.54
07 41 16 00-0009		Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16 00-0001) Note: Includes fasteners, clips, sealants.		
07 41 16 00-0010	LF	Ridge, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	25.21	1.73
07 41 16 00-0011	LF	Hip, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	25.21	1.73
07 41 16 00-0012	LF	Low End Lap Condition, 22 Gauge, 24 Gauge, 26 Gauge, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	14.89	3.09
07 41 16 00-0013	LF	Low Eve, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	8.78	1.07

07 41 33 Plastic Roof Panels (07 41)

07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	4.37	1.44
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	4.21	1.30
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	4.54	1.44
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	4.35	1.30
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	2.65	1.08
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	3.92	1.08
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	4.29	1.08
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	3.30	1.08
07 41 33 00-0012		Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013		Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	4.62	1.15
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	5.37	1.15

07 42 Wall Panels (07 40)**07 42 13 Metal Wall Panels (07 42)****07 42 13 19 Insulated Metal Wall Panels (07 42 13)**

07 42 13 19-0001		Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	17.92	3.15
		<i>For Non-Insulated Panels, Deduct</i>	<i>-2.89</i>	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	19.39	3.54
		<i>For Non-Insulated Panels, Deduct</i>	<i>-3.09</i>	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	20.73	3.94
		<i>For Non-Insulated Panels, Deduct</i>	<i>-3.29</i>	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	22.17	4.10
		<i>For Non-Insulated Panels, Deduct</i>	<i>-3.49</i>	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	25.17	4.49
		<i>For Non-Insulated Panels, Deduct</i>	<i>-4.06</i>	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	29.30	4.97
		<i>For Non-Insulated Panels, Deduct</i>	<i>-4.87</i>	

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001		Insulated Freezer And Chiller Panels (07 42 63) Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002		Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	17.06	1.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	18.10	1.25
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.63	1.25
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	23.45	1.33
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	24.92	1.33
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.31	1.03
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.70	1.03
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	20.22	1.10
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	19.59	1.10
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.12	1.10

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)
 Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	9.66	1.25
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	10.31	1.25
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	12.01	1.25
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	13.07	1.33
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	13.81	1.33
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	8.65	1.03
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.30	1.03
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.00	1.10
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.70	1.10
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.74	1.10

07 42 93 Soffit Panels (07 42)

07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)

Note: Excludes J-channel.

07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	3.26	1.10
			<i>For 0.015" Thick, Deduct</i>	-0.06	
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.07	1.16
			<i>For 0.015" Thick, Deduct</i>	-0.11	
07 42 93 00-0004	LF		1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.46	1.20
			<i>For 0.015" Thick, Deduct</i>	-0.15	
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.62	1.26
			<i>For 0.015" Thick, Deduct</i>	-0.21	
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.92	1.37
			<i>For 0.015" Thick, Deduct</i>	-0.30	
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.28	1.51
			<i>For 0.015" Thick, Deduct</i>	-0.44	
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.66	1.67
			<i>For 0.015" Thick, Deduct</i>	-0.59	
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.07	1.84
			<i>For 0.015" Thick, Deduct</i>	-0.76	
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia	3.86	1.08
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	4.24	1.10
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	5.00	1.13
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	5.83	1.16

07 46 Siding (07 40)

07 46 16 Aluminum Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlap page.

07 46 16 00-0002	SF		0.016" Thick, Aluminum Clad Siding	7.22	2.39
07 46 16 00-0003	SF		0.019" Thick, Aluminum Clad Siding	7.32	2.39
07 46 16 00-0004	SF		0.024" Thick, Aluminum Clad Siding	7.49	2.39

07 46 16 00-0005 Aluminum Siding Panels (07 46 16)

07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel	5.37	1.45
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel	5.60	1.45
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel	6.34	1.45
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel	7.77	1.45

07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel	7.71	1.45
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel	8.67	1.45
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel	10.95	1.45

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	8.13	1.45
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	9.06	1.45
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	9.63	1.45

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)			
07 46 16 00-0020	LF 3/8" Pocket, Aluminum J-Channel	2.52	1.03
07 46 16 00-0021	LF 1/2" Pocket, Aluminum J-Channel	2.52	1.03
07 46 16 00-0022	LF 3/4" Pocket, Aluminum J-Channel	2.99	1.03
07 46 16 00-0023	LF 3/8" Pocket, Aluminum F-Channel	2.76	1.03
07 46 16 00-0024	LF 1/2" Pocket, Aluminum F-Channel	2.76	1.03

07 46 19 Steel Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels (07 46 19)			
07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)			
Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.			
07 46 19 00-0003	SF 20 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.86	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.24	
07 46 19 00-0004	SF 22 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.20	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.08	
07 46 19 00-0005	SF 24 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.03	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.03	
07 46 19 00-0006	SF 26 Gauge, Painted Finish, Corrugated Steel Siding Panel	5.08	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.55	
07 46 19 00-0007	SF 28 Gauge, Painted Finish, Corrugated Steel Siding Panel	4.94	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.51	
07 46 19 00-0008	SF 30 Gauge, Painted Finish, Corrugated Steel Siding Panel	4.85	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.49	

07 46 19 00-0009 Box Ribbed Steel Siding Panels (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF 20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	7.36	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.12	
07 46 19 00-0011	SF 22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	7.07	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.04	
07 46 19 00-0012	SF 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.87	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.99	
07 46 19 00-0013	SF 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	6.54	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.91	
07 46 19 00-0014	SF 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	5.83	1.45
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.73	

07 46 19 00-0015 Clapboard Steel Siding Panels (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF 29 Gauge, Painted Finish, Clapboard Steel Siding Panel	5.81	0.73
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07 46 23 Wood Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding (07 46 23)			
07 46 23 00-0002	LF 8" Wide Rough Sawn Cedar Lap Siding	2.99	1.14
07 46 23 00-0003	LF 10" Wide Rough Sawn Cedar Lap Siding	3.37	1.22
07 46 23 00-0004	LF 12" Wide Rough Sawn Cedar Lap Siding	3.76	1.29
07 46 23 00-0005	LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.19	1.14
07 46 23 00-0006	LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.55	1.14
07 46 23 00-0007	LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.32	1.14
07 46 23 00-0008	LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.62	1.14
07 46 23 00-0009	LF 6" To 8" Wide Clear Heart Redwood Lap Siding	4.19	1.14
07 46 23 00-0010	LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.77	1.22
07 46 23 00-0011	LF 1" x 8" Cedar Beveled Siding, Channel, Rustic	3.77	1.22

07 46 23 00-0012 Tongue And Groove Siding (07 46 23)

07 46 23 00-0013	SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding	2.98	1.14
07 46 23 00-0014	SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.29	1.14
07 46 23 00-0015	SF 1" x 6" 105 Southern Yellow Pine Siding	3.05	1.14
07 46 23 00-0016	SF 1" x 8" 105 Southern Yellow Pine Siding	3.48	1.14

07 46 29 Plywood Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding (07 46 29)			
07 46 29 00-0002	SF 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.22	0.55
	<i>For Pressure Treated, Add</i>	0.18	

07 46 33 Plastic Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding (07 46 33)			
Note: Includes standard manufacturer's colors.			
07 46 33 00-0002 Vinyl Siding Panels (07 46 33 00-0001)			
Note: Excludes J-channels, starter strips and trim.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002)					
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.					
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.77	1.35
			For 0.040" Thick, Deduct	-0.14	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.43	
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.62	1.27
			For 0.040" Thick, Deduct	-0.14	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.43	
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.49	1.22
			For 0.040" Thick, Deduct	-0.14	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.43	
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.37	1.16
			For 0.040" Thick, Deduct	-0.14	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.43	
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.22	1.07
			For 0.040" Thick, Deduct	-0.14	
			For 0.042" Thick, Deduct	0.08	
			For 0.046" Thick, Add	0.43	
			For Manufacturer's Custom Colors, Add	0.05	

07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)					
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	4.61	1.35
			For Manufacturer's Custom Colors, Add	0.10	

07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)					
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	4.81	1.03
			For Manufacturer's Custom Colors, Add	0.14	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	8.98	1.03
			For Manufacturer's Custom Colors, Add	0.35	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	3.76	1.03
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	4.64	1.03
			For Manufacturer's Custom Colors, Add	0.13	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	2.75	1.03
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	2.54	1.03
			For Manufacturer's Custom Colors, Add	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	2.50	1.03
			For Manufacturer's Custom Colors, Add	0.03	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	2.64	1.03
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	3.15	1.03
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	3.45	1.03
			For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	3.83	1.03
			For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	2.62	1.03
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	6.08	1.43
			For Manufacturer's Custom Colors, Add	0.16	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	6.37	1.43
			For Manufacturer's Custom Colors, Add	0.18	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	7.02	1.43
			For Manufacturer's Custom Colors, Add	0.21	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	3.59	1.03
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	4.51	1.03
			For Manufacturer's Custom Colors, Add	0.12	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	3.84	1.03
			For Manufacturer's Custom Colors, Add	0.09	

07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)					
Note: Excludes J-channel.					
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.20	1.10
			For 0.038" Thick, Deduct	-0.45	
			For 0.040" Thick, Deduct	-0.36	
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.97	1.16
			For 0.038" Thick, Deduct	-0.75	
			For 0.040" Thick, Deduct	-0.63	
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.35	1.20
			For 0.038" Thick, Deduct	-0.89	
			For 0.040" Thick, Deduct	-0.74	
			For Manufacturer's Custom Colors, Add	0.10	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.46	1.26
			For 0.038" Thick, Deduct	-1.34	
			For 0.040" Thick, Deduct	-1.12	
			For Manufacturer's Custom Colors, Add	0.15	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	6.70	1.37
			For 0.038" Thick, Deduct	-1.81	
			For 0.040" Thick, Deduct	-1.50	
			For Manufacturer's Custom Colors, Add	0.20	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	8.94	1.51
			For 0.038" Thick, Deduct	-2.70	
			For 0.040" Thick, Deduct	-2.26	
			For Manufacturer's Custom Colors, Add	0.30	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	11.21	1.67
			For 0.038" Thick, Deduct	-3.62	
			For 0.040" Thick, Deduct	-3.02	
			For Manufacturer's Custom Colors, Add	0.39	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	13.51	1.84
			For 0.038" Thick, Deduct	-4.51	
			For 0.040" Thick, Deduct	-3.78	
			For Manufacturer's Custom Colors, Add	0.49	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia	3.35	1.08
			For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia	3.75	1.10
			For Manufacturer's Custom Colors, Add	0.08	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia.....	3.69	1.13
			For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia	4.26	1.16
			For Manufacturer's Custom Colors, Add	0.10	
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels.....	4.85	1.58
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels.....	5.17	1.43
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels.....	5.74	1.43
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels.....	4.65	1.43
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels.....	5.17	1.43
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.59	1.67
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.37	1.58
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.28	1.55
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.18	1.51
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.99	1.43
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.80	1.35
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding.....	1.01	0.40
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding.....	6.79	1.47
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding.....	3.37	1.20
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.19	0.80
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board	2.77	0.87
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.31	0.95
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.32	1.11
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.29	0.80
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board	2.92	0.87
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.57	0.95
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board	3.76	1.11
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board	2.42	0.80
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board	3.15	0.87
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board	3.90	0.95
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board	5.16	1.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 46 46 00-0029			Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	5.19	1.57
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	6.74	1.75
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	7.76	1.75
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	10.59	2.06

07 46 46 00-0034			Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit.....	5.04	1.13
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit.....	5.40	1.13

07 46 63 Fabricated Panel Assemblies with Siding (07 46)

07 46 63 00-0001			Metal Siding Panels (07 46 63)		
07 46 63 00-0002			Insulated Metal Siding Panels (07 46 63 00-0001)		
07 46 63 00-0003			24 Gauge, Galvanized Steel Insulated Standing Seam Metal Siding Panels (07 46 63 00-0003)		
			Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core.		
07 46 63 00-0004	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	18.01	1.67
07 46 63 00-0005	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	20.40	1.88
07 46 63 00-0006	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	21.99	2.14
07 46 63 00-0007	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels	24.16	2.83

07 50 Membrane Roofing (07)

See CSI section 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)

07 51 13 Built-Up Asphalt Roofing (07 51)

07 51 13 00-0001			Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002			Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)		
			Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003			Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004			Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	84.84	
			For Up To 10, Add	21.59	
			For >10 To 20, Add	11.95	
			For >20 To 40, Add	6.55	
			For >75 To 100, Deduct	-3.28	
			For >100 To 200, Deduct	-7.13	
			For >200, Deduct	-10.41	
07 51 13 00-0006	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	245.69	
			For Up To 10, Add	53.76	
			For >10 To 20, Add	28.04	
			For >20 To 40, Add	14.60	
			For >75 To 100, Deduct	-7.30	
			For >100 To 200, Deduct	-15.17	
			For >200, Deduct	-22.47	
07 51 13 00-0007			Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	5.65	
07 51 13 00-0009			Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010			Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	60.91	
			For Up To 10, Add	16.92	
			For >10 To 20, Add	9.64	
			For >20 To 40, Add	5.41	
			For >75 To 100, Deduct	-2.71	
			For >100 To 200, Deduct	-6.01	
			For >200, Deduct	-8.71	
07 51 13 00-0012	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	65.50	
			For Up To 10, Add	17.84	
			For >10 To 20, Add	10.10	
			For >20 To 40, Add	5.64	
			For >75 To 100, Deduct	-2.82	
			For >100 To 200, Deduct	-6.24	
			For >200, Deduct	-9.06	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51	13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	70.71	
			<i>For Up To 10, Add</i>	18.88	
			<i>For >10 To 20, Add</i>	10.62	
			<i>For >20 To 40, Add</i>	5.90	
			<i>For >75 To 100, Deduct</i>	-2.95	
			<i>For >100 To 200, Deduct</i>	-6.50	
			<i>For >200, Deduct</i>	-9.45	
07 51	13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	128.51	
			<i>For Up To 10, Add</i>	30.44	
			<i>For >10 To 20, Add</i>	16.40	
			<i>For >20 To 40, Add</i>	8.79	
			<i>For >75 To 100, Deduct</i>	-4.40	
			<i>For >100 To 200, Deduct</i>	-9.39	
			<i>For >200, Deduct</i>	-13.78	
07 51	13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	221.77	
			<i>For Up To 10, Add</i>	49.09	
			<i>For >10 To 20, Add</i>	25.73	
			<i>For >20 To 40, Add</i>	13.46	
			<i>For >75 To 100, Deduct</i>	-6.73	
			<i>For >100 To 200, Deduct</i>	-14.05	
			<i>For >200, Deduct</i>	-20.78	
07 51	13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	166.04	
			<i>For Up To 10, Add</i>	38.40	
			<i>For >10 To 20, Add</i>	20.50	
			<i>For >20 To 40, Add</i>	10.90	
			<i>For >75 To 100, Deduct</i>	-5.45	
			<i>For >100 To 200, Deduct</i>	-11.55	
			<i>For >200, Deduct</i>	-16.99	
07 51	13 00-0017		Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51	13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	3.47	
07 51	13 00-0019		Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51	13 00-0020		Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51	13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	67.44	
			<i>For Up To 10, Add</i>	15.80	
			<i>For >10 To 20, Add</i>	8.48	
			<i>For >20 To 40, Add</i>	4.53	
			<i>For >75 To 100, Deduct</i>	-2.26	
			<i>For >100 To 200, Deduct</i>	-4.82	
			<i>For >200, Deduct</i>	-7.08	
07 51	13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	130.45	
			<i>For Up To 10, Add</i>	28.40	
			<i>For >10 To 20, Add</i>	14.78	
			<i>For >20 To 40, Add</i>	7.68	
			<i>For >75 To 100, Deduct</i>	-3.84	
			<i>For >100 To 200, Deduct</i>	-7.97	
			<i>For >200, Deduct</i>	-11.81	
07 51	13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	223.71	
			<i>For Up To 10, Add</i>	47.05	
			<i>For >10 To 20, Add</i>	24.10	
			<i>For >20 To 40, Add</i>	12.34	
			<i>For >75 To 100, Deduct</i>	-6.17	
			<i>For >100 To 200, Deduct</i>	-12.63	
			<i>For >200, Deduct</i>	-18.80	
07 51	13 00-0024		Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51	13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	4.27	
07 51	13 00-0026		Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51	13 00-0027		Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51	13 00-0028	SQ	15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	81.97	
			<i>For Up To 10, Add</i>	21.02	
			<i>For >10 To 20, Add</i>	11.67	
			<i>For >20 To 40, Add</i>	6.41	
			<i>For >75 To 100, Deduct</i>	-3.21	
			<i>For >100 To 200, Deduct</i>	-6.99	
			<i>For >200, Deduct</i>	-10.19	
07 51	13 00-0029	SQ	30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	93.80	
			<i>For Up To 10, Add</i>	23.38	
			<i>For >10 To 20, Add</i>	12.85	
			<i>For >20 To 40, Add</i>	7.00	
			<i>For >75 To 100, Deduct</i>	-3.50	
			<i>For >100 To 200, Deduct</i>	-7.58	
			<i>For >200, Deduct</i>	-11.08	
07 51	13 00-0030		Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes mopping hot asphalt and embedding the felt.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031	SQ	15 LB,	Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	58.04	
			<i>For Up To 10, Add</i>	16.35	
			<i>For >10 To 20, Add</i>	9.36	
			<i>For >20 To 40, Add</i>	5.27	
			<i>For >75 To 100, Deduct</i>	-2.64	
			<i>For >100 To 200, Deduct</i>	-5.86	
			<i>For >200, Deduct</i>	-8.50	
07 51 13 00-0032	SQ	30 LB,	Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	69.87	
			<i>For Up To 10, Add</i>	18.71	
			<i>For >10 To 20, Add</i>	10.54	
			<i>For >20 To 40, Add</i>	5.86	
			<i>For >75 To 100, Deduct</i>	-2.93	
			<i>For >100 To 200, Deduct</i>	-6.45	
			<i>For >200, Deduct</i>	-9.39	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
			Note: Includes fasteners.		
07 51 13 00-0034	SQ	15 LB,	Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	29.16	
			<i>For Up To 10, Add</i>	8.14	
			<i>For >10 To 20, Add</i>	4.65	
			<i>For >20 To 40, Add</i>	2.61	
			<i>For >75 To 100, Deduct</i>	-1.31	
			<i>For >100 To 200, Deduct</i>	-2.90	
			<i>For >200, Deduct</i>	-4.21	
07 51 13 00-0035	SQ	30 LB,	Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	40.98	
			<i>For Up To 10, Add</i>	10.51	
			<i>For >10 To 20, Add</i>	5.83	
			<i>For >20 To 40, Add</i>	3.20	
			<i>For >75 To 100, Deduct</i>	-1.60	
			<i>For >100 To 200, Deduct</i>	-3.49	
			<i>For >200, Deduct</i>	-5.09	
07 51 13 00-0036			Surfacing <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037	SQ	400 LB/SQ	Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	125.49	
			<i>For Up To 10, Add</i>	36.66	
			<i>For >10 To 20, Add</i>	21.22	
			<i>For >20 To 40, Add</i>	12.06	
			<i>For >75 To 100, Deduct</i>	-6.03	
			<i>For >100 To 200, Deduct</i>	-13.50	
			<i>For >200, Deduct</i>	-19.53	
07 51 13 00-0038	SQ	400 LB/SQ	Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	195.09	
			<i>For Up To 10, Add</i>	50.58	
			<i>For >10 To 20, Add</i>	28.18	
			<i>For >20 To 40, Add</i>	15.54	
			<i>For >75 To 100, Deduct</i>	-7.77	
			<i>For >100 To 200, Deduct</i>	-16.98	
			<i>For >200, Deduct</i>	-24.75	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness	122.88	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	35.59	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	8.64	
			<i>For >10 To 20, Add</i>	4.70	
			<i>For >20 To 40, Add</i>	2.54	
			<i>For >75 To 100, Deduct</i>	-1.27	
			<i>For >100 To 200, Deduct</i>	-2.73	
			<i>For >200, Deduct</i>	-4.00	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	99.46	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	22.67	
			<i>For >10 To 20, Add</i>	12.03	
			<i>For >20 To 40, Add</i>	6.36	
			<i>For >75 To 100, Deduct</i>	-3.18	
			<i>For >100 To 200, Deduct</i>	-6.71	
			<i>For >200, Deduct</i>	-9.89	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	87.95	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	20.37	
			<i>For >10 To 20, Add</i>	10.88	
			<i>For >20 To 40, Add</i>	5.79	
			<i>For >75 To 100, Deduct</i>	-2.89	
			<i>For >100 To 200, Deduct</i>	-6.13	
			<i>For >200, Deduct</i>	-9.03	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	119.36	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	26.65	
			<i>For >10 To 20, Add</i>	14.02	
			<i>For >20 To 40, Add</i>	7.36	
			<i>For >75 To 100, Deduct</i>	-3.68	
			<i>For >100 To 200, Deduct</i>	-7.70	
			<i>For >200, Deduct</i>	-11.38	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	120.39		
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.			
		For Up To 10, Add	26.85		
		For >10 To 20, Add	14.12		
		For >20 To 40, Add	7.41		
		For >75 To 100, Deduct	-3.70		
		For >100 To 200, Deduct	-7.75		
		For >200, Deduct	-11.46		
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	36.54		
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	124.62		
		Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.			
		For Up To 10, Add	27.70		
		For >10 To 20, Add	14.54		
		For >20 To 40, Add	7.62		
		For >75 To 100, Deduct	-3.81		
		For >100 To 200, Deduct	-7.97		
		For >200, Deduct	-11.78		
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	37.93		
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast.....	1.85		
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.			
07 51 13 00-0047	SF	Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	4.54		
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.			
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	26.62		
07 51 13 00-0049		Walkway Pads (07 51 13 00-0001)			
		Note: Set in hot asphalt or cold adhesive.			
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	25.03		
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	29.98		
07 51 13 00-0052		Cant And Tapered Edge Strips (07 51 13 00-0001)			
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip.....	2.89		
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip.....	3.01		
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip.....	3.55		
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	3.13		
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	3.31		
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip.....	3.23		
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip.....	3.85		
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip.....	4.02		
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip.....	4.66		
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip.....	4.60		
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip.....	5.77		
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip.....	6.62		
07 51 13 00-0065		Asphalt Primer (07 51 13 00-0001)			
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems.....	24.58		
		Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.			
07 51 13 00-0067		Demolish Built-Up Roofing (07 51 13 00-0001)			
		Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.			
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System.....	242.85		
		For Up To 10, Add	59.97		
		For >10 To 25, Add	35.98		
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System.....	187.35		
		Note: Includes protective surfacing.			
		For Up To 10, Add	46.26		
		For >10 To 25, Add	27.76		
07 51 13 00-0070		Roofing System Warranty (07 51 13 00-0001)			
		Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.			
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	437.92		
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	6.26		
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	500.48		
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	10.01		
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	688.16		
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	13.76		
07 51 13 00-0077		Built-Up Roofing Components (Tremco) (07 51 13)			
		Note: All tasks presented as a single layer. Adhesives are priced separately.			
07 51 13 00-0078		Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0077)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	102.82	
07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	125.24	
07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	138.93	
07 51 13 00-0082	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	31.35	
07 51 13 00-0083	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	45.69	
07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component..... Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	191.38	
07 51 13 00-0085	SQ		POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component..... Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	176.99	
07 51 13 00-0086			Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)		
07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	107.34	
07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	286.33	
07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	474.42	
07 51 13 00-0090	SQ		POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	125.07	
07 51 13 00-0091	SQ		POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	192.85	
07 51 13 00-0092	SQ		POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	470.16	
07 51 13 00-0093	SQ		POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	341.48	
07 51 13 00-0094	SQ		POWERply HE FR Cap Sheet, Hot Applied BUR Component..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	340.05	
07 51 13 00-0095			Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096	SQ		POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	197.22	
07 51 13 00-0097	SQ		POWERply SA FR Membrane, Self Adhesive Roofing..... Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	389.37	
07 51 13 00-0098			Flashings (07 51 13 00-0077)		
07 51 13 00-0099	LF		11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	11.66	
07 51 13 00-0100	LF		19" Hypalon Elastomeric Flashing Note: 45 mils.	18.81	
07 51 13 00-0101	LF		25" Hypalon Elastomeric Flashing Note: 45 mils.	24.97	
07 51 13 00-0102	LF		38" Hypalon Elastomeric Flashing Note: 45 mils.	36.70	
07 51 13 00-0103	LF		60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	60.31	
07 51 13 00-0104	LF		12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	9.11	
07 51 13 00-0105	LF		18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	14.73	
07 51 13 00-0106	LF		24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	19.62	
07 51 13 00-0107	LF		36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	28.75	
07 51 13 00-0108	LF		60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	48.34	
07 51 13 00-0109	LF		4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.38	
07 51 13 00-0110	LF		6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.50	
07 51 13 00-0111	LF		12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.55	
07 51 13 00-0112	LF		36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	9.22	
07 51 13 00-0113			Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114	SQ		BURmastic Inter-Ply Cold Applied Adhesive.....	120.39	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51	13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	198.76	
07 51	13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	154.00	
07 51	13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	120.39	
07 51	13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	59.82	
07 51	13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	134.64	
07 51	13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	132.81	
07 51	13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	376.83	
07 51	13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)	208.71	
			Note: For insulation only.		
07 51	13 00-0123	SQ	ECOLastic Cold Applied Adhesive	232.85	
07 51	13 00-0124		Hot Applied Adhesives (07 51 13 00-0077)		
07 51	13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	41.59	
07 51	13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	78.81	
07 51	13 00-0127		Flashings Adhesives (07 51 13 00-0077)		
07 51	13 00-0128	LF	Sheeting Bond Flashing Adhesive	13.58	
			Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51	13 00-0129	LF	Polyroof SF Flashing Mastic	18.39	
			Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51	13 00-0130	LF	ELS Flashing Mastic	10.68	
			Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51	13 00-0131	LF	TremSEAL D General Purpose Sealant	4.02	
07 51	13 00-0132	LF	TremSEAL HP High Performance Sealant	4.15	
07 51	13 00-0133	LF	TremSEAL S Silicone Sealant	4.04	
07 51	13 00-0134		Surfacing (07 51 13 00-0077)		
07 51	13 00-0135	SQ	TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating	180.64	
07 51	13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	402.77	
07 51	13 00-0137	SQ	Polar Coat	101.29	
07 51	13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	125.04	
07 51	13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	368.92	
07 51	13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	164.06	
07 51	13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	47.74	
07 51	13 00-0142		Walkway Protection Pads (07 51 13 00-0077)		
07 51	13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	22.41	
07 51	13 00-0144		Primer (07 51 13 00-0077)		
07 51	13 00-0145	SQ	TREMprime WB Primer	24.96	
			Note: Water based polymer modified asphalt primer.		
07 51	13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	58.34	
07 51	13 00-0147		Liquid Applied Roofing (07 51 13 00-0077)		
07 51	13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal)	306.06	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51	13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical)	311.03	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51	13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces	393.67	
			Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51	13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	513.53	
			Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51	13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating	291.52	
			Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51	13 00-0153	SQ	AlphaGuard Glass Mat	42.61	
			Note: Reinforcement mat for AlphaGuard systems.		
07 51	13 00-0154	SQ	AlphaGuard C-Prime Primer	59.71	
			Note: 100% solids epoxy primer for concrete surfaces.		
07 51	13 00-0155	SQ	AlphaGuard M-Prime Primer	63.89	
			Note: Water based primer for metal and plastic surfaces.		
07 51	13 00-0156	SQ	Geogard Primer	42.15	
			Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51	13 00-0157	SQ	AlphaGuard Primer WB	37.38	
			Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51	13 00-0158		Atactic-Polypropylene (APP) Products (07 51 13 00-0077)		
07 51	13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	157.66	
07 51	13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	299.32	
07 51	13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	239.83	
07 51	13 00-0162		Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0077)		
07 51	13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	417.35	
07 51	13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	577.00	
07 51	13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	657.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0166			Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	482.35	
07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	594.56	
07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	730.02	

07 51 13 00-0170			Tri-Polymer Alloy (TPA) Membrane Accessories <small>(07 51 13 00-0077)</small>		
07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	85.99	
07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	97.69	
07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	13.01	
07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	42.97	

07 51 13 00-0175			Thermoplastic Polyolefin (TPO) Polyester White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	219.76	
07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	223.73	
07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	404.33	

07 51 13 00-0179			Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	258.01	
07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	292.72	
07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	430.33	

07 51 13 00-0183			Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0184	SQ		45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510)	710.59	

07 51 13 00-0185			Single Ply Adhesives <small>(07 51 13 00-0077)</small>		
07 51 13 00-0186	SQ		Low VOC, TPA Bonding Adhesive (Tremco)	112.28	
07 51 13 00-0187	SQ		Water Based, TPA Bonding Adhesive (Tremco)	127.29	
07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	110.10	
07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco)	72.23	

07 51 13 00-0190			Warranty (Tremco) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty	0.20	

07 51 13 00-0195 **Built-Up Roofing Components (Garland)** (07 51 13)
 Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0196 **Modified Cap Membranes** (07 51 13 00-0195)

07 51 13 00-0197 **Modified Cap Membranes, Hot/Cold Applied** (07 51 13 00-0196)
 Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.

07 51 13 00-0198	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	499.62	
07 51 13 00-0199	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	357.10	
07 51 13 00-0200	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	442.41	
07 51 13 00-0201	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	459.77	
07 51 13 00-0202	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	640.61	
07 51 13 00-0203	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	720.29	
07 51 13 00-0204	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil	302.27	
07 51 13 00-0205	SQ		Note: Low strength cap sheet for hot or cold modified systems used with gravel. Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	381.11	
07 51 13 00-0206	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	232.61	

07 51 13 00-0207 **Modified Cap Membranes, Self-Adhering** (07 51 13 00-0196)
 Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.

07 51 13 00-0208	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	452.11	
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Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.

07 51 13 00-0209 **Modified Cap Membranes, Torch-Applied** (07 51 13 00-0196)
 Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil.....	556.84	
		Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	605.88	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil.....	638.57	
07 51 13 00-0213		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196)		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
07 51 13 00-0214	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil.....	513.97	
07 51 13 00-0215	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	812.24	
07 51 13 00-0216	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	661.05	
07 51 13 00-0217		Base Ply (07 51 13 00-0195)		
		Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0218	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	456.71	
07 51 13 00-0219	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	286.61	
07 51 13 00-0220	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil.....	65.26	
		Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0221	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil.....	42.98	
		Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0222	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	52.48	
07 51 13 00-0223	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	57.07	
07 51 13 00-0224	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil.....	89.48	
		Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0225	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	291.26	
07 51 13 00-0226	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil.....	250.35	
		Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0227	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	254.76	
07 51 13 00-0228	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	211.35	
07 51 13 00-0229	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric.....	3.44	
07 51 13 00-0230	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	9.89	
07 51 13 00-0231	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	50.18	
07 51 13 00-0232	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	4.50	
07 51 13 00-0233	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	3.23	
07 51 13 00-0234	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	3.83	
07 51 13 00-0235	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	110.41	
07 51 13 00-0236		Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0185)		
07 51 13 00-0237	SQ	Water Based Roof Primer, GarlaPrime VOC Primer.....	30.97	
07 51 13 00-0238	SQ	Black-Knight® Primer.....	28.57	
07 51 13 00-0239	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply.....	121.13	
07 51 13 00-0240	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	127.52	
07 51 13 00-0241	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	203.17	
07 51 13 00-0242	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	329.91	
07 51 13 00-0243	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	338.43	
07 51 13 00-0244	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	157.61	
07 51 13 00-0245	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration.....	260.80	
07 51 13 00-0246	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	405.18	
07 51 13 00-0247	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	673.54	
07 51 13 00-0248	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply.....	281.33	
07 51 13 00-0249	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat.....	289.85	
07 51 13 00-0250	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	619.50	
07 51 13 00-0251	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	267.05	
07 51 13 00-0252	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply.....	129.49	
07 51 13 00-0253	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	138.01	
07 51 13 00-0254	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	119.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0255	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	111.36	
07 51 13 00-0256	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	13.29	
Note: Adheres all insulation layers for cold systems.					
07 51 13 00-0257	SQ		Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	137.59	
07 51 13 00-0258	SQ		Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	133.35	
07 51 13 00-0259	LF		Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	16.23	
07 51 13 00-0260	SQ		Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	178.48	
07 51 13 00-0261	SQ		Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,011.54	
07 51 13 00-0262	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	226.00	
07 51 13 00-0263	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	276.46	
07 51 13 00-0264	SQ		Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply	102.05	
07 51 13 00-0265	SQ		Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	325.87	
07 51 13 00-0266	SQ		Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	101.27	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.					

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	161.94	
			For Up To 10, Add	37.01	
			For >10 To 20, Add	19.66	
			For >20 To 40, Add	10.41	
			For >75 To 100, Deduct	-5.20	
			For >100 To 200, Deduct	-10.99	
			For >200, Deduct	-16.19	
07 52 13 11-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	198.67	
			For Up To 10, Add	44.36	
			For >10 To 20, Add	23.34	
			For >20 To 40, Add	12.25	
			For >75 To 100, Deduct	-6.12	
			For >100 To 200, Deduct	-12.82	
			For >200, Deduct	-18.95	
07 52 13 11-0005	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	315.94	
			For Up To 10, Add	67.81	
			For >10 To 20, Add	35.06	
			For >20 To 40, Add	18.11	
			For >75 To 100, Deduct	-9.05	
			For >100 To 200, Deduct	-18.69	
			For >200, Deduct	-27.74	
07 52 13 11-0006	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	318.15	
			For Up To 10, Add	68.70	
			For >10 To 20, Add	35.61	
			For >20 To 40, Add	18.44	
			For >75 To 100, Deduct	-9.22	
			For >100 To 200, Deduct	-19.07	
			For >200, Deduct	-28.29	
07 52 13 11-0007	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	225.53	
			For Up To 10, Add	50.17	
			For >10 To 20, Add	26.35	
			For >20 To 40, Add	13.81	
			For >75 To 100, Deduct	-6.90	
			For >100 To 200, Deduct	-14.44	
			For >200, Deduct	-21.35	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 13 11-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	262.68	
			For Up To 10, Add	57.60	
			For >10 To 20, Add	30.07	
			For >20 To 40, Add	15.67	
			For >75 To 100, Deduct	-7.83	
			For >100 To 200, Deduct	-16.30	
			For >200, Deduct	-24.13	
			For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	363.89	
			For Up To 10, Add	77.84	
			For >10 To 20, Add	40.19	
			For >20 To 40, Add	20.73	
			For >75 To 100, Deduct	-10.36	
			For >100 To 200, Deduct	-21.36	
			For >200, Deduct	-31.72	
			For Factory Applied White Reflective Surfacing, Add	72.47	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 13 11-0010	Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>	
07 52 13 11-0011	SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.35
07 52 13 11-0012	SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.81
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72
07 52 13 13	Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>	
07 52 13 13-0001	Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.	
07 52 13 13-0002	Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>	
07 52 13 13-0003	SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	114.90
	<i>For Up To 10, Add</i>	27.60
	<i>For >10 To 20, Add</i>	14.96
	<i>For >20 To 40, Add</i>	8.06
	<i>For >75 To 100, Deduct</i>	-4.03
	<i>For >100 To 200, Deduct</i>	-8.63
	<i>For >200, Deduct</i>	-12.66
07 52 13 13-0004	SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	151.63
	<i>For Up To 10, Add</i>	34.95
	<i>For >10 To 20, Add</i>	18.63
	<i>For >20 To 40, Add</i>	9.89
	<i>For >75 To 100, Deduct</i>	-4.95
	<i>For >100 To 200, Deduct</i>	-10.47
	<i>For >200, Deduct</i>	-15.41
07 52 13 13-0005	SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	180.47
	<i>For Up To 10, Add</i>	43.03
	<i>For >10 To 20, Add</i>	23.25
	<i>For >20 To 40, Add</i>	12.49
	<i>For >75 To 100, Deduct</i>	-6.25
	<i>For >100 To 200, Deduct</i>	-13.36
	<i>For >200, Deduct</i>	-19.61
07 52 13 13-0006	SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	189.88
	<i>For Up To 10, Add</i>	44.92
	<i>For >10 To 20, Add</i>	24.19
	<i>For >20 To 40, Add</i>	12.96
	<i>For >75 To 100, Deduct</i>	-6.48
	<i>For >100 To 200, Deduct</i>	-13.83
	<i>For >200, Deduct</i>	-20.31
07 52 13 13-0007	SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	266.17
	<i>For Up To 10, Add</i>	60.17
	<i>For >10 To 20, Add</i>	31.82
	<i>For >20 To 40, Add</i>	16.78
	<i>For >75 To 100, Deduct</i>	-8.39
	<i>For >100 To 200, Deduct</i>	-17.65
	<i>For >200, Deduct</i>	-26.04
07 52 13 13-0008	SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	180.47
	<i>For Up To 10, Add</i>	43.03
	<i>For >10 To 20, Add</i>	23.25
	<i>For >20 To 40, Add</i>	12.49
	<i>For >75 To 100, Deduct</i>	-6.25
	<i>For >100 To 200, Deduct</i>	-13.36
	<i>For >200, Deduct</i>	-19.61
07 52 13 13-0009	SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	192.23
	<i>For Up To 10, Add</i>	45.39
	<i>For >10 To 20, Add</i>	24.43
	<i>For >20 To 40, Add</i>	13.08
	<i>For >75 To 100, Deduct</i>	-6.54
	<i>For >100 To 200, Deduct</i>	-13.95
	<i>For >200, Deduct</i>	-20.49
07 52 13 13-0010	SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	266.17
	<i>For Up To 10, Add</i>	60.17
	<i>For >10 To 20, Add</i>	31.82
	<i>For >20 To 40, Add</i>	16.78
	<i>For >75 To 100, Deduct</i>	-8.39
	<i>For >100 To 200, Deduct</i>	-17.65
	<i>For >200, Deduct</i>	-26.04
07 52 13 13-0011	SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	187.88
	<i>For Up To 10, Add</i>	44.52
	<i>For >10 To 20, Add</i>	23.99
	<i>For >20 To 40, Add</i>	12.86
	<i>For >75 To 100, Deduct</i>	-6.43
	<i>For >100 To 200, Deduct</i>	-13.73
	<i>For >200, Deduct</i>	-20.16
	<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	199.28	
			<i>For Up To 10, Add</i>	46.80	
			<i>For >10 To 20, Add</i>	25.13	
			<i>For >20 To 40, Add</i>	13.43	
			<i>For >75 To 100, Deduct</i>	-6.72	
			<i>For >100 To 200, Deduct</i>	-14.30	
			<i>For >200, Deduct</i>	-21.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	227.26	
			<i>For Up To 10, Add</i>	52.39	
			<i>For >10 To 20, Add</i>	27.93	
			<i>For >20 To 40, Add</i>	14.83	
			<i>For >75 To 100, Deduct</i>	-7.42	
			<i>For >100 To 200, Deduct</i>	-15.70	
			<i>For >200, Deduct</i>	-23.12	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	230.67	
			<i>For Up To 10, Add</i>	53.07	
			<i>For >10 To 20, Add</i>	28.27	
			<i>For >20 To 40, Add</i>	15.00	
			<i>For >75 To 100, Deduct</i>	-7.50	
			<i>For >100 To 200, Deduct</i>	-15.87	
			<i>For >200, Deduct</i>	-23.37	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	326.24	
			<i>For Up To 10, Add</i>	72.19	
			<i>For >10 To 20, Add</i>	37.83	
			<i>For >20 To 40, Add</i>	19.78	
			<i>For >75 To 100, Deduct</i>	-9.89	
			<i>For >100 To 200, Deduct</i>	-20.65	
			<i>For >200, Deduct</i>	-30.54	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 13-0001)

07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.50	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.62	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.35	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....	2.69	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.00	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.96	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)

07 52 13 14-0003	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	176.69	
			<i>For Up To 10, Add</i>	37.65	
			<i>For >10 To 20, Add</i>	19.40	
			<i>For >20 To 40, Add</i>	9.99	
			<i>For >75 To 100, Deduct</i>	-4.99	
			<i>For >100 To 200, Deduct</i>	-10.28	
			<i>For >200, Deduct</i>	-15.27	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	125.98	
			<i>For Up To 10, Add</i>	29.82	
			<i>For >10 To 20, Add</i>	16.07	
			<i>For >20 To 40, Add</i>	8.61	
			<i>For >75 To 100, Deduct</i>	-4.31	
			<i>For >100 To 200, Deduct</i>	-9.19	
			<i>For >200, Deduct</i>	-13.49	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	166.76	
		<i>For Up To 10, Add</i>	37.98	
		<i>For >10 To 20, Add</i>	20.14	
		<i>For >20 To 40, Add</i>	10.65	
		<i>For >75 To 100, Deduct</i>	-5.33	
		<i>For >100 To 200, Deduct</i>	-11.23	
		<i>For >200, Deduct</i>	-16.55	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	172.03	
		<i>For Up To 10, Add</i>	39.03	
		<i>For >10 To 20, Add</i>	20.67	
		<i>For >20 To 40, Add</i>	10.91	
		<i>For >75 To 100, Deduct</i>	-5.46	
		<i>For >100 To 200, Deduct</i>	-11.49	
		<i>For >200, Deduct</i>	-16.95	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	237.07	
		<i>For Up To 10, Add</i>	52.04	
		<i>For >10 To 20, Add</i>	27.18	
		<i>For >20 To 40, Add</i>	14.17	
		<i>For >75 To 100, Deduct</i>	-7.08	
		<i>For >100 To 200, Deduct</i>	-14.74	
		<i>For >200, Deduct</i>	-21.83	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	302.91	
		<i>For Up To 10, Add</i>	65.21	
		<i>For >10 To 20, Add</i>	33.76	
		<i>For >20 To 40, Add</i>	17.46	
		<i>For >75 To 100, Deduct</i>	-8.73	
		<i>For >100 To 200, Deduct</i>	-18.04	
		<i>For >200, Deduct</i>	-26.76	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	250.55	
		<i>For Up To 10, Add</i>	55.18	
		<i>For >10 To 20, Add</i>	28.85	
		<i>For >20 To 40, Add</i>	15.06	
		<i>For >75 To 100, Deduct</i>	-7.53	
		<i>For >100 To 200, Deduct</i>	-15.69	
		<i>For >200, Deduct</i>	-23.22	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	257.62	
		<i>For Up To 10, Add</i>	56.59	
		<i>For >10 To 20, Add</i>	29.56	
		<i>For >20 To 40, Add</i>	15.41	
		<i>For >75 To 100, Deduct</i>	-7.71	
		<i>For >100 To 200, Deduct</i>	-16.05	
		<i>For >200, Deduct</i>	-23.75	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	224.47	
		<i>For Up To 10, Add</i>	49.96	
		<i>For >10 To 20, Add</i>	26.25	
		<i>For >20 To 40, Add</i>	13.76	
		<i>For >75 To 100, Deduct</i>	-6.88	
		<i>For >100 To 200, Deduct</i>	-14.39	
		<i>For >200, Deduct</i>	-21.27	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	227.53	
		<i>For Up To 10, Add</i>	50.57	
		<i>For >10 To 20, Add</i>	26.55	
		<i>For >20 To 40, Add</i>	13.91	
		<i>For >75 To 100, Deduct</i>	-6.95	
		<i>For >100 To 200, Deduct</i>	-14.54	
		<i>For >200, Deduct</i>	-21.50	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	255.74	
		<i>For Up To 10, Add</i>	56.21	
		<i>For >10 To 20, Add</i>	29.37	
		<i>For >20 To 40, Add</i>	15.32	
		<i>For >75 To 100, Deduct</i>	-7.66	
		<i>For >100 To 200, Deduct</i>	-15.95	
		<i>For >200, Deduct</i>	-23.61	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	260.44	
		<i>For Up To 10, Add</i>	57.15	
		<i>For >10 To 20, Add</i>	29.84	
		<i>For >20 To 40, Add</i>	15.56	
		<i>For >75 To 100, Deduct</i>	-7.78	
		<i>For >100 To 200, Deduct</i>	-16.19	
		<i>For >200, Deduct</i>	-23.97	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	301.59	
		<i>For Up To 10, Add</i>	65.38	
		<i>For >10 To 20, Add</i>	33.96	
		<i>For >20 To 40, Add</i>	17.61	
		<i>For >75 To 100, Deduct</i>	-8.81	
		<i>For >100 To 200, Deduct</i>	-18.25	
		<i>For >200, Deduct</i>	-27.05	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	376.54	
			<i>For Up To 10, Add</i>	80.37	
			<i>For >10 To 20, Add</i>	41.45	
			<i>For >20 To 40, Add</i>	21.36	
			<i>For >75 To 100, Deduct</i>	-10.68	
			<i>For >100 To 200, Deduct</i>	-21.99	
			<i>For >200, Deduct</i>	-32.67	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	229.57	
			<i>For Up To 10, Add</i>	50.98	
			<i>For >10 To 20, Add</i>	26.76	
			<i>For >20 To 40, Add</i>	14.01	
			<i>For >75 To 100, Deduct</i>	-7.01	
			<i>For >100 To 200, Deduct</i>	-14.64	
			<i>For >200, Deduct</i>	-21.65	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	236.93	
			<i>For Up To 10, Add</i>	52.45	
			<i>For >10 To 20, Add</i>	27.49	
			<i>For >20 To 40, Add</i>	14.38	
			<i>For >75 To 100, Deduct</i>	-7.19	
			<i>For >100 To 200, Deduct</i>	-15.01	
			<i>For >200, Deduct</i>	-22.20	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	276.90	
			<i>For Up To 10, Add</i>	60.45	
			<i>For >10 To 20, Add</i>	31.49	
			<i>For >20 To 40, Add</i>	16.38	
			<i>For >75 To 100, Deduct</i>	-8.19	
			<i>For >100 To 200, Deduct</i>	-17.01	
			<i>For >200, Deduct</i>	-25.20	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	277.84	
			<i>For Up To 10, Add</i>	60.63	
			<i>For >10 To 20, Add</i>	31.58	
			<i>For >20 To 40, Add</i>	16.43	
			<i>For >75 To 100, Deduct</i>	-8.21	
			<i>For >100 To 200, Deduct</i>	-17.06	
			<i>For >200, Deduct</i>	-25.27	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	295.71	
			<i>For Up To 10, Add</i>	64.21	
			<i>For >10 To 20, Add</i>	33.37	
			<i>For >20 To 40, Add</i>	17.32	
			<i>For >75 To 100, Deduct</i>	-8.66	
			<i>For >100 To 200, Deduct</i>	-17.95	
			<i>For >200, Deduct</i>	-26.61	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)

07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.75	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.42	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.45	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.19	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.94	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.47	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.54	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.95	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.13	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.59	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	12.88	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 12-0001	Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002	Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		
07 52 16 12-0003	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	102.06	
	For Up To 10, Add	25.15	
	For >10 To 20, Add	13.76	
	For >20 To 40, Add	7.47	
	For >75 To 100, Deduct	-3.74	
	For >100 To 200, Deduct	-8.06	
	For >200, Deduct	-11.80	
07 52 16 12-0004	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	142.84	
	For Up To 10, Add	33.31	
	For >10 To 20, Add	17.84	
	For >20 To 40, Add	9.51	
	For >75 To 100, Deduct	-4.76	
	For >100 To 200, Deduct	-10.10	
	For >200, Deduct	-14.86	
07 52 16 12-0005	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	148.10	
	For Up To 10, Add	34.36	
	For >10 To 20, Add	18.36	
	For >20 To 40, Add	9.77	
	For >75 To 100, Deduct	-4.89	
	For >100 To 200, Deduct	-10.37	
	For >200, Deduct	-15.25	
07 52 16 12-0006	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	213.15	
	For Up To 10, Add	47.37	
	For >10 To 20, Add	24.87	
	For >20 To 40, Add	13.03	
	For >75 To 100, Deduct	-6.51	
	For >100 To 200, Deduct	-13.62	
	For >200, Deduct	-20.13	
07 52 16 12-0007	SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	278.98	
	For Up To 10, Add	60.53	
	For >10 To 20, Add	31.45	
	For >20 To 40, Add	16.32	
	For >75 To 100, Deduct	-8.16	
	For >100 To 200, Deduct	-16.91	
	For >200, Deduct	-25.07	
07 52 16 12-0008	SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	226.67	
	For Up To 10, Add	50.52	
	For >10 To 20, Add	26.56	
	For >20 To 40, Add	13.93	
	For >75 To 100, Deduct	-6.96	
	For >100 To 200, Deduct	-14.58	
	For >200, Deduct	-21.54	
07 52 16 12-0009	SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	233.75	
	For Up To 10, Add	51.94	
	For >10 To 20, Add	27.27	
	For >20 To 40, Add	14.28	
	For >75 To 100, Deduct	-7.14	
	For >100 To 200, Deduct	-14.93	
	For >200, Deduct	-22.07	
07 52 16 12-0010	SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	200.60	
	For Up To 10, Add	45.31	
	For >10 To 20, Add	23.95	
	For >20 To 40, Add	12.63	
	For >75 To 100, Deduct	-6.31	
	For >100 To 200, Deduct	-13.27	
	For >200, Deduct	-19.59	
	For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 12-0011	SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	203.65	
	For Up To 10, Add	45.92	
	For >10 To 20, Add	24.26	
	For >20 To 40, Add	12.78	
	For >75 To 100, Deduct	-6.39	
	For >100 To 200, Deduct	-13.43	
	For >200, Deduct	-19.82	
	For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 12-0012	SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	231.87	
	For Up To 10, Add	51.56	
	For >10 To 20, Add	27.08	
	For >20 To 40, Add	14.19	
	For >75 To 100, Deduct	-7.09	
	For >100 To 200, Deduct	-14.84	
	For >200, Deduct	-21.93	
	For Factory Applied White Reflective Surfacing, Add	72.47	
07 52 16 12-0013	SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	236.57	
	For Up To 10, Add	52.50	
	For >10 To 20, Add	27.55	
	For >20 To 40, Add	14.42	
	For >75 To 100, Deduct	-7.21	
	For >100 To 200, Deduct	-15.07	
	For >200, Deduct	-22.28	
	For Factory Applied White Reflective Surfacing, Add	72.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014	SQ	170 Mil,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	277.71	
			<i>For Up To 10, Add</i>	60.73	
			<i>For >10 To 20, Add</i>	31.66	
			<i>For >20 To 40, Add</i>	16.48	
			<i>For >75 To 100, Deduct</i>	-8.24	
			<i>For >100 To 200, Deduct</i>	-17.13	
			<i>For >200, Deduct</i>	-25.37	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0015	SQ	180 Mil,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	352.67	
			<i>For Up To 10, Add</i>	75.72	
			<i>For >10 To 20, Add</i>	39.16	
			<i>For >20 To 40, Add</i>	20.23	
			<i>For >75 To 100, Deduct</i>	-10.11	
			<i>For >100 To 200, Deduct</i>	-20.88	
			<i>For >200, Deduct</i>	-30.99	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0016	SQ	125 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	205.70	
			<i>For Up To 10, Add</i>	46.33	
			<i>For >10 To 20, Add</i>	24.46	
			<i>For >20 To 40, Add</i>	12.88	
			<i>For >75 To 100, Deduct</i>	-6.44	
			<i>For >100 To 200, Deduct</i>	-13.53	
			<i>For >200, Deduct</i>	-19.97	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0017	SQ	140 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	213.06	
			<i>For Up To 10, Add</i>	47.80	
			<i>For >10 To 20, Add</i>	25.20	
			<i>For >20 To 40, Add</i>	13.25	
			<i>For >75 To 100, Deduct</i>	-6.62	
			<i>For >100 To 200, Deduct</i>	-13.90	
			<i>For >200, Deduct</i>	-20.52	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0018	SQ	150 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	253.03	
			<i>For Up To 10, Add</i>	55.80	
			<i>For >10 To 20, Add</i>	29.20	
			<i>For >20 To 40, Add</i>	15.25	
			<i>For >75 To 100, Deduct</i>	-7.62	
			<i>For >100 To 200, Deduct</i>	-15.90	
			<i>For >200, Deduct</i>	-23.52	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0019	SQ	160 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	253.97	
			<i>For Up To 10, Add</i>	55.98	
			<i>For >10 To 20, Add</i>	29.29	
			<i>For >20 To 40, Add</i>	15.29	
			<i>For >75 To 100, Deduct</i>	-7.65	
			<i>For >100 To 200, Deduct</i>	-15.94	
			<i>For >200, Deduct</i>	-23.59	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0020	SQ	170 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	271.84	
			<i>For Up To 10, Add</i>	59.56	
			<i>For >10 To 20, Add</i>	31.08	
			<i>For >20 To 40, Add</i>	16.19	
			<i>For >75 To 100, Deduct</i>	-8.09	
			<i>For >100 To 200, Deduct</i>	-16.84	
			<i>For >200, Deduct</i>	-24.93	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 12-0021			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022	SF	150 Mil, Smooth Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.57	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.24	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.27	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.59	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.01	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced,	Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.76	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0029	SF	125 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.29	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0030	SF	140 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.36	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0031	SF	160 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.69	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 12-0032	SF	170 Mil, Fire Rated,	Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.95	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	5.41
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	10.69

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13) Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.	
07 52 16 13-0002		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)	
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	213.39
		For Up To 10, Add	49.62
		For >10 To 20, Add	26.54
		For >20 To 40, Add	14.14
		For >75 To 100, Deduct	-7.07
		For >100 To 200, Deduct	-15.01
		For >200, Deduct	-22.08
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	190.58
		For Up To 10, Add	45.06
		For >10 To 20, Add	24.26
		For >20 To 40, Add	13.00
		For >75 To 100, Deduct	-6.50
		For >100 To 200, Deduct	-13.87
		For >200, Deduct	-20.37
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	217.38
		For Up To 10, Add	50.42
		For >10 To 20, Add	26.94
		For >20 To 40, Add	14.34
		For >75 To 100, Deduct	-7.17
		For >100 To 200, Deduct	-15.21
		For >200, Deduct	-22.38
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	338.89
		For Up To 10, Add	74.72
		For >10 To 20, Add	39.09
		For >20 To 40, Add	20.41
		For >75 To 100, Deduct	-10.21
		For >100 To 200, Deduct	-21.28
		For >200, Deduct	-31.49
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	198.25
		For Up To 10, Add	46.59
		For >10 To 20, Add	25.03
		For >20 To 40, Add	13.38
		For >75 To 100, Deduct	-6.69
		For >100 To 200, Deduct	-14.25
		For >200, Deduct	-20.94
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	229.84
		For Up To 10, Add	52.91
		For >10 To 20, Add	28.19
		For >20 To 40, Add	14.96
		For >75 To 100, Deduct	-7.48
		For >100 To 200, Deduct	-15.83
		For >200, Deduct	-23.31
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	240.09
		For Up To 10, Add	55.13
		For >10 To 20, Add	29.34
		For >20 To 40, Add	15.56
		For >75 To 100, Deduct	-7.78
		For >100 To 200, Deduct	-16.45
		For >200, Deduct	-24.23
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	313.84
		For Up To 10, Add	69.88
		For >10 To 20, Add	36.72
		For >20 To 40, Add	19.25
		For >75 To 100, Deduct	-9.62
		For >100 To 200, Deduct	-20.13
		For >200, Deduct	-29.76
		For Factory Applied White Reflective Surfacing, Add	72.47
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)	
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	2.89
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	2.87
		For Factory Applied White Reflective Surfacing, Add	0.72
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.08
		For Factory Applied White Reflective Surfacing, Add	0.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	3.02 0.72	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	3.09 0.72	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied <i>For Factory Applied White Reflective Surfacing, Add</i>	3.83 0.72	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.99	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	10.02	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001			Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 14) Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	136.17	
			<i>For Up To 10, Add</i>	29.54	
			<i>For >10 To 20, Add</i>	15.35	
			<i>For >20 To 40, Add</i>	7.96	
			<i>For >75 To 100, Deduct</i>	-3.98	
			<i>For >100 To 200, Deduct</i>	-8.25	
			<i>For >200, Deduct</i>	-12.23	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	104.00	
			<i>For Up To 10, Add</i>	23.11	
			<i>For >10 To 20, Add</i>	12.13	
			<i>For >20 To 40, Add</i>	6.36	
			<i>For >75 To 100, Deduct</i>	-3.18	
			<i>For >100 To 200, Deduct</i>	-6.64	
			<i>For >200, Deduct</i>	-9.82	
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	135.67	
			<i>For Up To 10, Add</i>	29.44	
			<i>For >10 To 20, Add</i>	15.30	
			<i>For >20 To 40, Add</i>	7.94	
			<i>For >75 To 100, Deduct</i>	-3.97	
			<i>For >100 To 200, Deduct</i>	-8.23	
			<i>For >200, Deduct</i>	-12.20	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	170.65	
			<i>For Up To 10, Add</i>	36.44	
			<i>For >10 To 20, Add</i>	18.80	
			<i>For >20 To 40, Add</i>	9.69	
			<i>For >75 To 100, Deduct</i>	-4.84	
			<i>For >100 To 200, Deduct</i>	-9.98	
			<i>For >200, Deduct</i>	-14.82	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	215.09	
			<i>For Up To 10, Add</i>	45.33	
			<i>For >10 To 20, Add</i>	23.24	
			<i>For >20 To 40, Add</i>	11.91	
			<i>For >75 To 100, Deduct</i>	-5.95	
			<i>For >100 To 200, Deduct</i>	-12.20	
			<i>For >200, Deduct</i>	-18.15	
07 52 16 14-0008			Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	2.55	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	2.62	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001			Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 15) Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ		60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	107.84	
			<i>For Up To 10, Add</i>	24.34	
			<i>For >10 To 20, Add</i>	12.87	
			<i>For >20 To 40, Add</i>	6.78	
			<i>For >75 To 100, Deduct</i>	-3.39	
			<i>For >100 To 200, Deduct</i>	-7.13	
			<i>For >200, Deduct</i>	-10.52	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	114.51	
		<i>For Up To 10, Add</i>	25.68	
		<i>For >10 To 20, Add</i>	13.53	
		<i>For >20 To 40, Add</i>	7.11	
		<i>For >75 To 100, Deduct</i>	-3.56	
		<i>For >100 To 200, Deduct</i>	-7.46	
		<i>For >200, Deduct</i>	-11.02	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering.....	195.68	
		<i>For Up To 10, Add</i>	42.12	
		<i>For >10 To 20, Add</i>	21.81	
		<i>For >20 To 40, Add</i>	11.28	
		<i>For >75 To 100, Deduct</i>	-5.64	
		<i>For >100 To 200, Deduct</i>	-11.65	
		<i>For >200, Deduct</i>	-17.29	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	234.75	
		<i>For Up To 10, Add</i>	49.93	
		<i>For >10 To 20, Add</i>	25.71	
		<i>For >20 To 40, Add</i>	13.23	
		<i>For >75 To 100, Deduct</i>	-6.61	
		<i>For >100 To 200, Deduct</i>	-13.60	
		<i>For >200, Deduct</i>	-20.22	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering.....	349.96	
		<i>For Up To 10, Add</i>	72.98	
		<i>For >10 To 20, Add</i>	37.23	
		<i>For >20 To 40, Add</i>	18.99	
		<i>For >75 To 100, Deduct</i>	-9.50	
		<i>For >100 To 200, Deduct</i>	-19.36	
		<i>For >200, Deduct</i>	-28.86	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	72.47	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 15-0001)

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	2.86	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	3.24	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.39	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.72	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered.....	323.44	55.51
		Note: Includes adhesive.		
		<i>For Up To 10, Add</i>	86.89	
		<i>For >10 To 20, Add</i>	49.00	
		<i>For >20 To 40, Add</i>	27.27	
		<i>For >75 To 100, Deduct</i>	-13.64	
		<i>For >100 To 200, Deduct</i>	-30.05	
		<i>For >200, Deduct</i>	-43.69	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted.....	232.74	27.75
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	57.65	
		<i>For >10 To 20, Add</i>	31.60	
		<i>For >20 To 40, Add</i>	17.19	
		<i>For >75 To 100, Deduct</i>	-8.59	
		<i>For >100 To 200, Deduct</i>	-18.58	
		<i>For >200, Deduct</i>	-27.17	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	249.61	41.63
		Note: Includes fasteners.		
		<i>For Up To 10, Add</i>	66.57	
		<i>For >10 To 20, Add</i>	37.45	
		<i>For >20 To 40, Add</i>	20.81	
		<i>For >75 To 100, Deduct</i>	-10.40	
		<i>For >100 To 200, Deduct</i>	-22.89	
		<i>For >200, Deduct</i>	-33.29	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Mechanically Fastened To Concrete Decks, Add</i>	20.82	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	21.70	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	185.09	27.75
			Note: Includes ballast.		
			For Up To 10, Add	48.12	
			For >10 To 20, Add	26.84	
			For >20 To 40, Add	14.81	
			For >75 To 100, Deduct	-7.40	
			For >100 To 200, Deduct	-16.19	
			For >200, Deduct	-23.60	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	5.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	209.10	29.49
			Note: Includes ballast.		
			For Up To 10, Add	53.62	
			For >10 To 20, Add	29.76	
			For >20 To 40, Add	16.35	
			For >75 To 100, Deduct	-8.18	
			For >100 To 200, Deduct	-17.83	
			For >200, Deduct	-26.00	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted.....	319.33	31.22
			Note: Includes ballast.		
			For Up To 10, Add	76.36	
			For >10 To 20, Add	41.30	
			For >20 To 40, Add	22.21	
			For >75 To 100, Deduct	-11.11	
			For >100 To 200, Deduct	-23.77	
			For >200, Deduct	-34.88	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For 30 Year Warranty, Add	11.00	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	218.34	41.63
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	60.32	
			For >10 To 20, Add	34.32	
			For >20 To 40, Add	19.24	
			For >75 To 100, Deduct	-9.62	
			For >100 To 200, Deduct	-21.32	
			For >200, Deduct	-30.95	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	5.82	
			For Low VOC Adhesive, Add	23.37	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
			For Integral Polyester Fleece-Backing, Add	79.56	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	242.35	43.36
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	65.82	
			For >10 To 20, Add	37.24	
			For >20 To 40, Add	20.79	
			For >75 To 100, Deduct	-10.40	
			For >100 To 200, Deduct	-22.96	
			For >200, Deduct	-33.35	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For Low VOC Adhesive, Add	23.37	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
			For Integral Polyester Fleece-Backing, Add	88.10	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%).....	352.59	45.10
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	88.56	
			For >10 To 20, Add	48.79	
			For >20 To 40, Add	26.65	
			For >75 To 100, Deduct	-13.33	
			For >100 To 200, Deduct	-28.91	
			For >200, Deduct	-42.23	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	5.82	
			For Low VOC Adhesive, Add	23.37	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
			For Integral Polyester Fleece-Backing, Add	97.42	
			For 30 Year Warranty, Add	11.00	

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 53 Elastomeric Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	287.72	55.51
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	79.75	
		For >10 To 20, Add	45.43	
		For >20 To 40, Add	25.49	
		For >75 To 100, Deduct	-12.74	
		For >100 To 200, Deduct	-28.26	
		For >200, Deduct	-41.01	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
		For Low VOC Adhesive, Add	58.43	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Integral Polyester Fleece-Backing, Add	79.56	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	311.73	57.24
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	85.24	
		For >10 To 20, Add	48.35	
		For >20 To 40, Add	27.03	
		For >75 To 100, Deduct	-13.52	
		For >100 To 200, Deduct	-29.90	
		For >200, Deduct	-43.41	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
		For Low VOC Adhesive, Add	58.43	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Integral Polyester Fleece-Backing, Add	88.10	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	421.96	58.98
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	107.98	
		For >10 To 20, Add	59.89	
		For >20 To 40, Add	32.89	
		For >75 To 100, Deduct	-16.45	
		For >100 To 200, Deduct	-35.84	
		For >200, Deduct	-52.29	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
		For Low VOC Adhesive, Add	58.43	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Integral Polyester Fleece-Backing, Add	97.42	
		For 30 Year Warranty, Add	11.00	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	201.79	41.63
		Note: Includes fasteners.		
		For Up To 10, Add	57.01	
		For >10 To 20, Add	32.67	
		For >20 To 40, Add	18.42	
		For >75 To 100, Deduct	-9.21	
		For >100 To 200, Deduct	-20.50	
		For >200, Deduct	-29.70	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Mechanically Fastened To Concrete Decks, Add	20.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	21.70	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	225.81	43.36
		Note: Includes fasteners.		
		For Up To 10, Add	62.51	
		For >10 To 20, Add	35.59	
		For >20 To 40, Add	19.96	
		For >75 To 100, Deduct	-9.98	
		For >100 To 200, Deduct	-22.13	
		For >200, Deduct	-32.11	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	17.37	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For Mechanically Fastened To Concrete Decks, Add	21.68	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	22.56	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	336.04	45.10
		Note: Includes fasteners.		
		For Up To 10, Add	85.25	
		For >10 To 20, Add	47.14	
		For >20 To 40, Add	25.82	
		For >75 To 100, Deduct	-12.91	
		For >100 To 200, Deduct	-28.08	
		For >200, Deduct	-40.99	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	5.82	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	55.56	
		For 30 Year Warranty, Add	11.00	
		For Mechanically Fastened To Concrete Decks, Add	22.55	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	23.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)

07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat.....	47.95	
			<i>For Up To 10, Add</i>	12.37	
			<i>For >10 To 20, Add</i>	6.88	
			<i>For >20 To 40, Add</i>	3.79	
			<i>For >75 To 100, Deduct</i>	-1.89	
			<i>For >100 To 200, Deduct</i>	-4.13	
			<i>For >200, Deduct</i>	-6.03	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	49.65	
			Note: 55% solids by volume.		
			<i>For Up To 10, Add</i>	12.71	
			<i>For >10 To 20, Add</i>	7.05	
			<i>For >20 To 40, Add</i>	3.87	
			<i>For >75 To 100, Deduct</i>	-1.94	
			<i>For >100 To 200, Deduct</i>	-4.22	
			<i>For >200, Deduct</i>	-6.15	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	29.72	6.59
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	43.17	6.59
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	81.96	6.59
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket	108.99	7.29
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad	23.34	4.03
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	4.38	1.04
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.41	1.56

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted	352.58	31.22
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	83.01	
			<i>For >10 To 20, Add</i>	44.63	
			<i>For >20 To 40, Add</i>	23.87	
			<i>For >75 To 100, Deduct</i>	-11.94	
			<i>For >100 To 200, Deduct</i>	-25.44	
			<i>For >200, Deduct</i>	-37.37	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	391.54	45.10
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	96.35	
			<i>For >10 To 20, Add</i>	52.69	
			<i>For >20 To 40, Add</i>	28.60	
			<i>For >75 To 100, Deduct</i>	-14.30	
			<i>For >100 To 200, Deduct</i>	-30.85	
			<i>For >200, Deduct</i>	-45.15	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	469.47	58.98
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	117.49	
			<i>For >10 To 20, Add</i>	64.64	
			<i>For >20 To 40, Add</i>	35.27	
			<i>For >75 To 100, Deduct</i>	-17.63	
			<i>For >100 To 200, Deduct</i>	-38.22	
			<i>For >200, Deduct</i>	-55.85	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 54 Thermoplastic Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0002	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	179.23	27.75
			Note: Includes ballast.		
			For Up To 10, Add	46.95	
			For >10 To 20, Add	26.25	
			For >20 To 40, Add	14.51	
			For >75 To 100, Deduct	-7.26	
			For >100 To 200, Deduct	-15.90	
			For >200, Deduct	-23.16	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	202.81	29.49
			Note: Includes ballast.		
			For Up To 10, Add	52.36	
			For >10 To 20, Add	29.13	
			For >20 To 40, Add	16.04	
			For >75 To 100, Deduct	-8.02	
			For >100 To 200, Deduct	-17.51	
			For >200, Deduct	-25.53	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0004	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	230.23	30.35
			Note: Includes ballast.		
			For Up To 10, Add	58.19	
			For >10 To 20, Add	32.13	
			For >20 To 40, Add	17.58	
			For >75 To 100, Deduct	-8.79	
			For >100 To 200, Deduct	-19.10	
			For >200, Deduct	-27.89	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	243.14	31.22
			Note: Includes ballast.		
			For Up To 10, Add	61.12	
			For >10 To 20, Add	33.68	
			For >20 To 40, Add	18.40	
			For >75 To 100, Deduct	-9.20	
			For >100 To 200, Deduct	-19.96	
			For >200, Deduct	-29.16	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	255.60	55.51
			Note: Includes adhesive.		
			For Up To 10, Add	73.32	
			For >10 To 20, Add	42.21	
			For >20 To 40, Add	23.88	
			For >75 To 100, Deduct	-11.94	
			For >100 To 200, Deduct	-26.66	
			For >200, Deduct	-38.60	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	51.40	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	279.16	57.24
			Note: Includes adhesive.		
			For Up To 10, Add	78.73	
			For >10 To 20, Add	45.09	
			For >20 To 40, Add	25.41	
			For >75 To 100, Deduct	-12.70	
			For >100 To 200, Deduct	-28.27	
			For >200, Deduct	-40.97	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	51.40	
			For Integral Polyester Fleece-Backing, Add	38.45	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	306.59	58.11
			Note: Includes adhesive.		
			For Up To 10, Add	84.56	
			For >10 To 20, Add	48.09	
			For >20 To 40, Add	26.95	
			For >75 To 100, Deduct	-13.48	
			For >100 To 200, Deduct	-29.86	
			For >200, Deduct	-43.33	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	51.40	
			For Integral Polyester Fleece-Backing, Add	38.45	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 54 19 00-0009	SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	319.50		58.98
	Note: Includes adhesive.			
	For Up To 10, Add	87.49		
	For >10 To 20, Add	49.64		
	For >20 To 40, Add	27.77		
	For >75 To 100, Deduct	-13.89		
	For >100 To 200, Deduct	-30.72		
	For >200, Deduct	-44.61		
	For 15 Year Warranty, Add	3.00		
	For 20 Year Warranty, Add	7.00		
	For 25 Year Warranty, Add	9.00		
	For Colors, Add	26.00		
	For Low VOC Adhesive, Add	51.40		
	For Integral Polyester Fleece-Backing, Add	38.45		
07 54 19 00-0010	SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	190.42		41.63
	Note: Includes fasteners.			
	For Up To 10, Add	54.74		
	For >10 To 20, Add	31.53		
	For >20 To 40, Add	17.85		
	For >75 To 100, Deduct	-8.92		
	For >100 To 200, Deduct	-19.93		
	For >200, Deduct	-28.85		
	For 15 Year Warranty, Add	3.00		
	For Colors, Add	26.00		
	For Integral Polyester Fleece-Backing, Add	38.45		
	For Mechanically Fastened To Concrete Decks, Add	20.82		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	21.70		
07 54 19 00-0011	SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	213.99		43.36
	Note: Includes fasteners.			
	For Up To 10, Add	60.14		
	For >10 To 20, Add	34.41		
	For >20 To 40, Add	19.37		
	For >75 To 100, Deduct	-9.69		
	For >100 To 200, Deduct	-21.54		
	For >200, Deduct	-31.23		
	For 15 Year Warranty, Add	3.00		
	For 20 Year Warranty, Add	7.00		
	For 25 Year Warranty, Add	9.00		
	For Colors, Add	26.00		
	For Integral Polyester Fleece-Backing, Add	38.45		
	For Mechanically Fastened To Concrete Decks, Add	21.68		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	22.56		
07 54 19 00-0012	SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	241.41		44.23
	Note: Includes fasteners.			
	For Up To 10, Add	65.97		
	For >10 To 20, Add	37.41		
	For >20 To 40, Add	20.92		
	For >75 To 100, Deduct	-10.46		
	For >100 To 200, Deduct	-23.13		
	For >200, Deduct	-33.59		
	For 15 Year Warranty, Add	3.00		
	For 20 Year Warranty, Add	7.00		
	For 25 Year Warranty, Add	9.00		
	For Colors, Add	26.00		
	For Integral Polyester Fleece-Backing, Add	38.45		
	For Mechanically Fastened To Concrete Decks, Add	22.12		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	23.00		
07 54 19 00-0013	SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	254.33		45.10
	Note: Includes fasteners.			
	For Up To 10, Add	68.91		
	For >10 To 20, Add	38.96		
	For >20 To 40, Add	21.74		
	For >75 To 100, Deduct	-10.87		
	For >100 To 200, Deduct	-23.99		
	For >200, Deduct	-34.86		
	For 15 Year Warranty, Add	3.00		
	For 20 Year Warranty, Add	7.00		
	For 25 Year Warranty, Add	9.00		
	For Colors, Add	26.00		
	For Integral Polyester Fleece-Backing, Add	38.45		
	For Mechanically Fastened To Concrete Decks, Add	22.55		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	23.43		
07 54 19 00-0014	Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories <small>(07 54 19)</small>			
07 54 19 00-0015	SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	47.95		
	For Up To 10, Add	12.37		
	For >10 To 20, Add	6.88		
	For >20 To 40, Add	3.79		
	For >75 To 100, Deduct	-1.89		
	For >100 To 200, Deduct	-4.13		
	For >200, Deduct	-6.03		
07 54 19 00-0016	SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	49.65		
	Note: 55% solids by volume.			
	For Up To 10, Add	12.71		
	For >10 To 20, Add	7.05		
	For >20 To 40, Add	3.87		
	For >75 To 100, Deduct	-1.94		
	For >100 To 200, Deduct	-4.22		
	For >200, Deduct	-6.15		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	50.34	5.90
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	71.04	6.59
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	91.12	7.29
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	116.36	7.29
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	19.87	4.03
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing.....	5.26	1.04
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	6.29	1.56
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	7.18	1.04
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	277.48	55.51
		Note: Includes adhesive.		
		For Up To 10, Add	77.70	
		For >10 To 20, Add	44.40	
		For >20 To 40, Add	24.98	
		For >75 To 100, Deduct	-12.49	
		For >100 To 200, Deduct	-27.75	
		For >200, Deduct	-40.24	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	297.15	57.24
		Note: Includes adhesive.		
		For Up To 10, Add	82.33	
		For >10 To 20, Add	46.89	
		For >20 To 40, Add	26.31	
		For >75 To 100, Deduct	-13.15	
		For >100 To 200, Deduct	-29.17	
		For >200, Deduct	-42.32	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	383.89	58.98
		Note: Includes adhesive.		
		For Up To 10, Add	100.37	
		For >10 To 20, Add	56.08	
		For >20 To 40, Add	30.99	
		For >75 To 100, Deduct	-15.50	
		For >100 To 200, Deduct	-33.94	
		For >200, Deduct	-49.43	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.43	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	185.21	41.63
		Note: Includes fasteners.		
		For Up To 10, Add	53.69	
		For >10 To 20, Add	31.01	
		For >20 To 40, Add	17.59	
		For >75 To 100, Deduct	-8.79	
		For >100 To 200, Deduct	-19.67	
		For >200, Deduct	-28.46	
		For 15 Year Warranty, Add	3.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	20.82	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	21.70	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	204.88	43.36
		Note: Includes fasteners.		
		For Up To 10, Add	58.32	
		For >10 To 20, Add	33.50	
		For >20 To 40, Add	18.92	
		For >75 To 100, Deduct	-9.46	
		For >100 To 200, Deduct	-21.09	
		For >200, Deduct	-30.54	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	21.68	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	22.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0007	SQ		80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened..... Note: Includes fasteners.	291.63	45.10
			<i>For Up To 10, Add</i>	76.37	
			<i>For >10 To 20, Add</i>	42.69	
			<i>For >20 To 40, Add</i>	23.60	
			<i>For >75 To 100, Deduct</i>	-11.80	
			<i>For >100 To 200, Deduct</i>	-25.86	
			<i>For >200, Deduct</i>	-37.66	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	33.25	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	22.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	23.43	
07 54 23 00-0008			Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009	SQ		Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat Note: Includes fasteners.	57.31	
			<i>For Up To 10, Add</i>	14.24	
			<i>For >10 To 20, Add</i>	7.81	
			<i>For >20 To 40, Add</i>	4.25	
			<i>For >75 To 100, Deduct</i>	-2.13	
			<i>For >100 To 200, Deduct</i>	-4.60	
			<i>For >200, Deduct</i>	-6.73	
07 54 23 00-0010	SQ		Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat..... Note: 55% solids by volume.	49.65	
			<i>For Up To 10, Add</i>	12.71	
			<i>For >10 To 20, Add</i>	7.05	
			<i>For >20 To 40, Add</i>	3.87	
			<i>For >75 To 100, Deduct</i>	-1.94	
			<i>For >100 To 200, Deduct</i>	-4.22	
			<i>For >200, Deduct</i>	-6.15	
			<i>For Tan Or Gray Color, Add</i>	1.79	
07 54 23 00-0011	EA		Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	43.19	5.90
07 54 23 00-0012	EA		>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	46.57	6.59
07 54 23 00-0013	EA		6" Diameter, Prefabricated TPO Penetration Pocket..... Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	86.57	7.29
07 54 23 00-0014	LF		30" Wide, TPO Walkway Protection Pad.....	19.62	4.03
07 54 23 00-0015	SF		Thermoplastic Polyolefin Membrane Base Flashing.....	5.50	1.04
07 54 23 00-0016	SF		Thermoplastic Polyolefin Curb Flashing..... Note: Includes attaching the curb to the membrane, caulking around the curb and installing a draw band.	4.59	1.04
			<i>For Tan Or Gray Color, Add</i>	0.07	
07 54 23 00-0017	SF		Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing..... Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	8.17	1.04
07 56 Fluid-Applied Roofing (07 50)					
07 56 00 00-0001			Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) FRoofing (07 56)		
07 56 00 00-0002	SQ		Rubber - Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) For Metal.....	311.61	
07 56 00 00-0003	SQ		Rubberized Aluminum - Coating (Non Asphaltic).....	195.51	
07 56 00 00-0004	SQ		Rubberized Aluminum - Coating (Asphaltic).....	245.64	
07 56 00 00-0005			Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0006	SQ		60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing For Each Additional Coat, Add	735.15 110.27	92.30
07 56 00 00-0007			Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0008	SQ		2 Mil Vinyl Liquid Roofing.....	799.78	97.27
07 56 00 00-0009	SQ		4 Mil Vinyl Liquid Roofing.....	895.05	108.63
07 56 00 00-0010			Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0011	SQ		65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	301.42	55.74
07 56 00 00-0012	SQ		65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	355.44	55.74
07 56 00 00-0013	SQ		65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	396.07	55.74
07 56 00 00-0014			Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0015	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane..... Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,377.34	55.74
07 56 00 00-0016			Urethane Liquid Roofing Membrane (07 56)		
			Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0017	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	67.02	
07 56 00 00-0018	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	3.35	
07 56 00 00-0019	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	256.14	
07 56 00 00-0020	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	65.41	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

07 56 00 00-0021	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	634.76	
07 56 00 00-0022	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	961.51	
07 56 00 00-0023	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	656.76	
07 56 00 00-0024	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	167.99	

07 57 Coated Foamed Roofing (07 50)**07 57 13 Sprayed Polyurethane Foam Roofing** (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)**07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating** (07 57 13 00-0001)**07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating** (07 57 13 00-0002)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	285.75	33.54
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	349.22	35.93
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	412.69	38.33
07 57 13 00-0007	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	552.96	43.12
07 57 13 00-0008	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	666.57	47.91
07 57 13 00-0009	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	793.51	52.70
07 57 13 00-0010	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	920.45	57.49

07 57 13 00-0011 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0012	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	296.12	33.54
07 57 13 00-0013	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	359.59	35.93
07 57 13 00-0014	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	423.06	38.33
07 57 13 00-0015	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	550.00	43.12
07 57 13 00-0016	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	676.94	47.91
07 57 13 00-0017	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	803.88	52.70
07 57 13 00-0018	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	930.81	57.49

07 57 13 00-0019 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

07 57 13 00-0020	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	321.29	33.54
07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	382.54	35.93
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	443.79	38.33
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	570.74	43.12
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	753.06	47.91
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	891.26	52.70
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,029.45	57.49

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)**07 57 13 00-0028 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating** (07 57 13 00-0027)

Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0029	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	328.70	33.54
07 57 13 00-0030	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	397.80	35.93
07 57 13 00-0031	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	466.90	38.33
07 57 13 00-0032	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	605.10	43.12
07 57 13 00-0033	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	743.29	47.91
07 57 13 00-0034	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	881.49	52.70
07 57 13 00-0035	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,019.68	57.49
07 57 13 00-0036			Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0037	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	343.36	33.54
07 57 13 00-0038	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	412.46	35.93
07 57 13 00-0039	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	481.56	38.33
07 57 13 00-0040	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	619.76	43.12
07 57 13 00-0041	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	757.95	47.91
07 57 13 00-0042	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	896.15	52.70
07 57 13 00-0043	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,034.34	57.49
07 57 13 00-0044			Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0045	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	354.77	33.54
07 57 13 00-0046	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	423.87	35.93
07 57 13 00-0047	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	492.97	38.33
07 57 13 00-0048	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	631.17	43.12
07 57 13 00-0049	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	769.36	47.91
07 57 13 00-0050	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	907.56	52.70
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,045.75	57.49
07 58			Roll Roofing <small>(07 50)</small>		
07 58 00 00-0001			Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	186.93	21.56
07 59			Membrane Roofing Termination Bar <small>(07 50)</small>		
07 59 00 00-0001			Membrane Roofing Termination Bar <small>(07 59)</small>		
07 59 00 00-0002	LF		Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	3.27	1.00
07 60			Flashing and Sheet Metal <small>(07)</small>		
07 61			Sheet Metal Roofing <small>(07 60)</small>		
07 61 13			Standing Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 13 00-0001			Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
07 61 13 00-0002			Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	16.01 1.34 0.68 1.63 4.00 2.40 0.40	2.23

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	17.51	2.42
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.45	
		<i>For 140 MPH Wind Load, Add</i>	0.74	
		<i>For Panels <16" Wide, Add</i>	1.77	
		<i>For Up To 1,500, Add</i>	4.38	
		<i>For >1,500 To 5,000, Add</i>	2.63	
		<i>For >5,000 To 10,000, Add</i>	0.44	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	20.48	2.63
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
		<i>For 140 MPH Wind Load, Add</i>	0.83	
		<i>For Panels <16" Wide, Add</i>	2.00	
		<i>For Up To 1,500, Add</i>	5.12	
		<i>For >1,500 To 5,000, Add</i>	3.07	
		<i>For >5,000 To 10,000, Add</i>	0.51	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	18.58	2.42
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.45	
		<i>For 140 MPH Wind Load, Add</i>	0.76	
		<i>For Panels <16" Wide, Add</i>	1.82	
		<i>For Up To 1,500, Add</i>	4.65	
		<i>For >1,500 To 5,000, Add</i>	2.79	
		<i>For >5,000 To 10,000, Add</i>	0.46	
		<i>For Tin/Copper, Deduct</i>	-0.28	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	22.21	2.52
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.51	
		<i>For 140 MPH Wind Load, Add</i>	0.85	
		<i>For Panels <16" Wide, Add</i>	2.04	
		<i>For Up To 1,500, Add</i>	5.55	
		<i>For >1,500 To 5,000, Add</i>	3.33	
		<i>For >5,000 To 10,000, Add</i>	0.56	
		<i>For Tin/Copper, Deduct</i>	-0.34	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	25.10	2.63
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
		<i>For 140 MPH Wind Load, Add</i>	0.92	
		<i>For Panels <16" Wide, Add</i>	2.23	
		<i>For Up To 1,500, Add</i>	6.28	
		<i>For >1,500 To 5,000, Add</i>	3.77	
		<i>For >5,000 To 10,000, Add</i>	0.63	
		<i>For Tin/Copper, Deduct</i>	-0.40	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	31.10	2.77
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.66	
		<i>For 140 MPH Wind Load, Add</i>	1.06	
		<i>For Panels <16" Wide, Add</i>	2.58	
		<i>For Up To 1,500, Add</i>	7.78	
		<i>For >1,500 To 5,000, Add</i>	4.67	
		<i>For >5,000 To 10,000, Add</i>	0.78	
		<i>For Tin/Copper, Deduct</i>	-0.51	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	64.72	4.61
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
		<i>For 140 MPH Wind Load, Add</i>	2.22	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	38.96	4.61
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
		<i>For 140 MPH Wind Load, Add</i>	1.70	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	89.08	4.61
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
		<i>For 140 MPH Wind Load, Add</i>	2.70	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	66.65	4.61
		<i>For Steep Roof, Over 6 To 12, Add</i>	3.46	
		<i>For 140 MPH Wind Load, Add</i>	2.26	

07 61 16 Batten Seam Sheet Metal Roofing (07 61)**07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing (07 61 16)****07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)**

07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	19.64	2.63
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
		<i>For 140 MPH Wind Load, Add</i>	0.81	
		<i>For Panels <16" Wide, Add</i>	1.96	
		<i>For Up To 1,500, Add</i>	4.91	
		<i>For >1,500 To 5,000, Add</i>	2.95	
		<i>For >5,000 To 10,000, Add</i>	0.49	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	21.60	2.77
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.66	
		<i>For 140 MPH Wind Load, Add</i>	0.88	
		<i>For Panels <16" Wide, Add</i>	2.10	
		<i>For Up To 1,500, Add</i>	5.40	
		<i>For >1,500 To 5,000, Add</i>	3.24	
		<i>For >5,000 To 10,000, Add</i>	0.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing	24.95	2.90
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.74	
			<i>For 140 MPH Wind Load, Add</i>	0.96	
			<i>For Panels <16" Wide, Add</i>	2.32	
			<i>For Up To 1,500, Add</i>	6.24	
			<i>For >1,500 To 5,000, Add</i>	3.74	
			<i>For >5,000 To 10,000, Add</i>	0.62	
07 61 16 00-0006			Zinc/Copper Batten Seam Concealed Fastener Roofing <small>(07 61 16 00-0001)</small>		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	19.76	2.42
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.45	
			<i>For 140 MPH Wind Load, Add</i>	0.78	
			<i>For Panels <16" Wide, Add</i>	1.88	
			<i>For Up To 1,500, Add</i>	4.94	
			<i>For >1,500 To 5,000, Add</i>	2.96	
			<i>For >5,000 To 10,000, Add</i>	0.49	
			<i>For Tin/Copper, Deduct</i>	-0.30	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	23.91	2.52
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.51	
			<i>For 140 MPH Wind Load, Add</i>	0.88	
			<i>For Panels <16" Wide, Add</i>	2.13	
			<i>For Up To 1,500, Add</i>	5.98	
			<i>For >1,500 To 5,000, Add</i>	3.59	
			<i>For >5,000 To 10,000, Add</i>	0.60	
			<i>For Tin/Copper, Deduct</i>	-0.38	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	26.68	2.63
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.96	
			<i>For Panels <16" Wide, Add</i>	2.31	
			<i>For Up To 1,500, Add</i>	6.67	
			<i>For >1,500 To 5,000, Add</i>	4.00	
			<i>For >5,000 To 10,000, Add</i>	0.67	
			<i>For Tin/Copper, Deduct</i>	-0.43	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	33.13	2.77
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.66	
			<i>For 140 MPH Wind Load, Add</i>	1.10	
			<i>For Panels <16" Wide, Add</i>	2.68	
			<i>For Up To 1,500, Add</i>	8.28	
			<i>For >1,500 To 5,000, Add</i>	4.97	
			<i>For >5,000 To 10,000, Add</i>	0.83	
			<i>For Tin/Copper, Deduct</i>	-0.55	
07 61 19			Flat Seam Sheet Metal Roofing <small>(07 61)</small>		
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19)</small>		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	15.42	2.42
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.45	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Panels <16" Wide, Add</i>	1.66	
			<i>For Up To 1,500, Add</i>	3.86	
			<i>For >1,500 To 5,000, Add</i>	2.31	
			<i>For >5,000 To 10,000, Add</i>	0.39	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	16.87	2.52
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.51	
			<i>For 140 MPH Wind Load, Add</i>	0.74	
			<i>For Panels <16" Wide, Add</i>	1.78	
			<i>For Up To 1,500, Add</i>	4.22	
			<i>For >1,500 To 5,000, Add</i>	2.53	
			<i>For >5,000 To 10,000, Add</i>	0.42	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	19.35	2.63
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For 140 MPH Wind Load, Add</i>	0.81	
			<i>For Panels <16" Wide, Add</i>	1.94	
			<i>For Up To 1,500, Add</i>	4.84	
			<i>For >1,500 To 5,000, Add</i>	2.90	
			<i>For >5,000 To 10,000, Add</i>	0.48	
07 61 19 00-0006			Zinc/Copper Flat Seam Concealed Fastener Roofing <small>(07 61 19 00-0001)</small>		
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	17.51	2.42
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.45	
			<i>For 140 MPH Wind Load, Add</i>	0.74	
			<i>For Panels <16" Wide, Add</i>	1.77	
			<i>For Up To 1,500, Add</i>	4.38	
			<i>For >1,500 To 5,000, Add</i>	2.63	
			<i>For >5,000 To 10,000, Add</i>	0.44	
			<i>For Tin/Copper, Deduct</i>	-0.25	
07 61 19 00-0008	SF		0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	21.10	2.52
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.51	
			<i>For 140 MPH Wind Load, Add</i>	0.83	
			<i>For Panels <16" Wide, Add</i>	1.99	
			<i>For Up To 1,500, Add</i>	5.28	
			<i>For >1,500 To 5,000, Add</i>	3.17	
			<i>For >5,000 To 10,000, Add</i>	0.53	
			<i>For Tin/Copper, Deduct</i>	-0.32	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	23.58	2.63
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
		<i>For 140 MPH Wind Load, Add</i>	0.89	
		<i>For Panels <16" Wide, Add</i>	2.15	
		<i>For Up To 1,500, Add</i>	5.90	
		<i>For >1,500 To 5,000, Add</i>	3.54	
		<i>For >5,000 To 10,000, Add</i>	0.59	
		<i>For Tin/Copper, Deduct</i>	-0.37	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	29.18	2.77
		<i>For Steep Roof, Over 6 To 12, Add</i>	1.66	
		<i>For 140 MPH Wind Load, Add</i>	1.03	
		<i>For Panels <16" Wide, Add</i>	2.48	
		<i>For Up To 1,500, Add</i>	7.30	
		<i>For >1,500 To 5,000, Add</i>	4.38	
		<i>For >5,000 To 10,000, Add</i>	0.73	
		<i>For Tin/Copper, Deduct</i>	-0.47	

07 62 Sheet Metal Flashing and Trim (07 60)**07 62 13 Fabricated Copings** (07 62)**07 62 13 00-0001 Lead Flashing And Trim** (07 62 13)

07 62 13 00-0002	SF	2.5 LB/SF Sheet Lead Flashing.....	15.60	3.48
		<i>For Up To 100, Add</i>	3.90	
07 62 13 00-0003	SF	4 LB/SF Sheet Lead Flashing.....	20.64	3.48
		<i>For Up To 100, Add</i>	5.16	

07 62 13 00-0004 Copper Flashing And Trim (07 62 13)**07 62 13 00-0005 Copper Flashing And Trim** (07 62 13 00-0004)

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	18.87	3.39
		<i>For Up To 100, Add</i>	4.72	
		<i>For >500 To 2,000, Deduct</i>	-2.59	
		<i>For >2,000, Deduct</i>	-3.20	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.34	
		<i>For Wrap Around Window Panning, Add</i>	6.71	
		<i>For Zinc-Tin Coated Copper, Add</i>	3.34	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	19.48	3.48
		<i>For Up To 100, Add</i>	4.87	
		<i>For >500 To 2,000, Deduct</i>	-2.67	
		<i>For >2,000, Deduct</i>	-3.30	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.40	
		<i>For Wrap Around Window Panning, Add</i>	7.02	
		<i>For Zinc-Tin Coated Copper, Add</i>	3.43	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	22.31	3.71
		<i>For Up To 100, Add</i>	5.58	
		<i>For >500 To 2,000, Deduct</i>	-3.05	
		<i>For >2,000, Deduct</i>	-3.80	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.47	
		<i>For Wrap Around Window Panning, Add</i>	7.36	
		<i>For Zinc-Tin Coated Copper, Add</i>	4.11	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	27.66	3.86
		<i>For Up To 100, Add</i>	6.92	
		<i>For >500 To 2,000, Deduct</i>	-3.75	
		<i>For >2,000, Deduct</i>	-4.75	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	1.54	
		<i>For Wrap Around Window Panning, Add</i>	7.72	
		<i>For Zinc-Tin Coated Copper, Add</i>	5.48	

07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)**07 62 13 00-0011 Stainless Steel Flashing And Trim** (07 62 13 00-0010)

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	7.22	1.85
		<i>For Up To 100, Add</i>	1.81	
		<i>For Wrap Around Window Panning, Add</i>	4.77	
		<i>For Mechanically Keyed Flashing, Add</i>	0.98	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	7.90	2.08
		<i>For Up To 100, Add</i>	1.98	
		<i>For Wrap Around Window Panning, Add</i>	4.84	
		<i>For Mechanically Keyed Flashing, Add</i>	1.22	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	8.59	2.31
		<i>For Up To 100, Add</i>	2.15	
		<i>For Wrap Around Window Panning, Add</i>	4.92	
		<i>For Mechanically Keyed Flashing, Add</i>	1.47	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	9.67	2.55
		<i>For Up To 100, Add</i>	2.42	
		<i>For Wrap Around Window Panning, Add</i>	5.08	
		<i>For Mechanically Keyed Flashing, Add</i>	1.84	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	11.48	2.70
		<i>For Up To 100, Add</i>	2.87	
		<i>For Wrap Around Window Panning, Add</i>	5.37	
		<i>For Mechanically Keyed Flashing, Add</i>	2.44	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	12.58	2.84
		<i>For Up To 100, Add</i>	3.15	
		<i>For Wrap Around Window Panning, Add</i>	5.68	
		<i>For Mechanically Keyed Flashing, Add</i>	2.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim..... For Up To 100, Add For Wrap Around Window Panning, Add For Mechanically Keyed Flashing, Add	13.48 3.37 6.00 2.99	3.01
07 62 13 00-0019			Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020			Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	8.21 2.05 0.29 5.32	2.39
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	8.85 2.21 0.35 5.32	2.39
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	9.34 2.34 0.40 5.32	2.39
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	10.07 2.52 0.48 5.32	2.39
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	11.08 2.77 0.58 5.32	2.39
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	11.70 2.93 0.64 5.32	2.39
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	12.21 3.05 0.69 5.32	2.39
07 62 13 00-0028			Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029			Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing..... For Up To 100, Add For Wrap Around Window Panning, Add	9.87 2.47 4.92	2.31
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing..... For Up To 100, Add For Wrap Around Window Panning, Add	10.30 2.58 5.08	2.55
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing..... For Up To 100, Add For Wrap Around Window Panning, Add	11.00 2.75 5.37	2.70
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing..... For Up To 100, Add For Wrap Around Window Panning, Add	11.72 2.93 5.68	2.84
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing..... For Up To 100, Add For Wrap Around Window Panning, Add	12.76 3.19 6.00	3.01
07 62 19			Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001			Aluminum Drip Edge (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0002			KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0001)		
07 62 19 00-0003			0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.08	0.71
07 62 19 00-0005	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.03	0.71
07 62 19 00-0006	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.60	0.71
07 62 19 00-0007	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.72	0.71
07 62 19 00-0008	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.73	0.71
07 62 19 00-0009			0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0010	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.40	0.71
07 62 19 00-0011	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.39	0.71
07 62 19 00-0012	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.13	0.71
07 62 19 00-0013	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.36	0.71
07 62 19 00-0014	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.33	0.71
07 62 19 00-0015			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0016	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.72	0.71
07 62 19 00-0017	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.81	0.71
07 62 19 00-0018	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.64	0.71
07 62 19 00-0019	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.99	0.71
07 62 19 00-0020	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.18	0.71

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 19 00-0021		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0022	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.35	0.71
07 62 19 00-0023	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.65	0.71
07 62 19 00-0024	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.64	0.71
07 62 19 00-0025	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.26	0.71
07 62 19 00-0026	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.87	0.71
07 62 19 00-0027		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0028	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.56	0.71
07 62 19 00-0029	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.97	0.71
07 62 19 00-0030	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.98	0.71
07 62 19 00-0031	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.68	0.71
07 62 19 00-0032	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.43	0.71
07 62 19 00-0033		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0034	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.30	0.71
07 62 19 00-0035	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.92	0.71
07 62 19 00-0036	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.14	0.71
07 62 19 00-0037	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.16	0.71
07 62 19 00-0038	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.40	0.71
07 62 19 00-0039		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0040	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.36	0.71
07 62 19 00-0041	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.33	0.71
07 62 19 00-0042	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.81	0.71
07 62 19 00-0043	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.28	0.71
07 62 19 00-0044	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.22	0.71
07 62 19 00-0045		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0046	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.63	0.71
07 62 19 00-0047	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.02	0.71
07 62 19 00-0048	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.82	0.71
07 62 19 00-0049	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.81	0.71
07 62 19 00-0050	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.60	0.71
07 62 19 00-0051		Mill Finish, Aluminum Drip Edge (07 62 19 00-0001)		
07 62 19 00-0052		0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
07 62 19 00-0053	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	3.26	0.71
07 62 19 00-0054	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	3.92	0.71
07 62 19 00-0055	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	4.31	0.71
07 62 19 00-0056	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	5.08	0.71
07 62 19 00-0057	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	6.47	0.71
07 62 19 00-0058		0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
07 62 19 00-0059	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	3.48	0.71
07 62 19 00-0060	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	4.16	0.71
07 62 19 00-0061	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	4.67	0.71
07 62 19 00-0062	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	5.52	0.71
07 62 19 00-0063	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	6.88	0.71
07 62 19 00-0064		0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
07 62 19 00-0065	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	3.70	0.71
07 62 19 00-0066	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	4.45	0.71
07 62 19 00-0067	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	5.02	0.71
07 62 19 00-0068	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	5.96	0.71
07 62 19 00-0069	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	7.47	0.71
07 62 19 00-0070		0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
07 62 19 00-0071	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	4.14	0.71
07 62 19 00-0072	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.04	0.71
07 62 19 00-0073	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.72	0.71
07 62 19 00-0074	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	6.83	0.71
07 62 19 00-0075	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	8.63	0.71
07 62 19 00-0076		0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)		
07 62 19 00-0077	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.28	0.71
07 62 19 00-0078	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	5.25	0.71
07 62 19 00-0079	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	5.95	0.71
07 62 19 00-0080	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	7.13	0.71
07 62 19 00-0081	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	9.02	0.71

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

07 62 19 00-0082 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0083	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.79	0.71
07 62 19 00-0084	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.91	0.71
07 62 19 00-0085	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	6.75	0.71
07 62 19 00-0086	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	8.15	0.71
07 62 19 00-0087	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	10.38	0.71
07 62 19 00-0088 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0089	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.52	0.71
07 62 19 00-0090	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.88	0.71
07 62 19 00-0091	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	7.90	0.71
07 62 19 00-0092	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	9.60	0.71
07 62 19 00-0093	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	12.32	0.71
07 62 19 00-0094 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0095	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.40	0.71
07 62 19 00-0096	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	8.05	0.71
07 62 19 00-0097	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	9.29	0.71
07 62 19 00-0098	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	11.35	0.71
07 62 19 00-0099	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	14.66	0.71
07 62 19 00-0100 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0001)				
07 62 19 00-0101 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0102	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.24	0.71
07 62 19 00-0103	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.25	0.71
07 62 19 00-0104	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.85	0.71
07 62 19 00-0105	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.04	0.71
07 62 19 00-0106	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.17	0.71
07 62 19 00-0107 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0108	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.58	0.71
07 62 19 00-0109	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.62	0.71
07 62 19 00-0110	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.41	0.71
07 62 19 00-0111	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.71	0.71
07 62 19 00-0112	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.80	0.71
07 62 19 00-0113 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0114	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.91	0.71
07 62 19 00-0115	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.07	0.71
07 62 19 00-0116	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.95	0.71
07 62 19 00-0117	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.39	0.71
07 62 19 00-0118	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.70	0.71
07 62 19 00-0119 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0120	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.58	0.71
07 62 19 00-0121	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.97	0.71
07 62 19 00-0122	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.01	0.71
07 62 19 00-0123	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.73	0.71
07 62 19 00-0124	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.49	0.71
07 62 19 00-0125 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0126	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.81	0.71
07 62 19 00-0127	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.30	0.71
07 62 19 00-0128	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.37	0.71
07 62 19 00-0129	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.18	0.71
07 62 19 00-0130	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.09	0.71
07 62 19 00-0131 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0132	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.59	0.71
07 62 19 00-0133	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.31	0.71
07 62 19 00-0134	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.60	0.71
07 62 19 00-0135	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.75	0.71
07 62 19 00-0136	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.18	0.71
07 62 19 00-0137 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0138	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.71	0.71
07 62 19 00-0139	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.80	0.71
07 62 19 00-0140	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.37	0.71
07 62 19 00-0141	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.99	0.71
07 62 19 00-0142	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.17	0.71
07 62 19 00-0143 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 19 00-0144	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.06	0.71
07 62 19 00-0145	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.60	0.71
07 62 19 00-0146	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.50	0.71
07 62 19 00-0147	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.68	0.71
07 62 19 00-0148	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.75	0.71
07 62 19 00-0149		Galvanized Steel Drip Edge <small>(07 62 19)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0150		Galvanized Steel Drip Edge <small>(07 62 19 00-0149)</small>		
07 62 19 00-0151		26 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0152	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.29	0.71
07 62 19 00-0153	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.26	0.71
07 62 19 00-0154	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.96	0.71
07 62 19 00-0155	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	7.14	0.71
07 62 19 00-0156	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	9.04	0.71
07 62 19 00-0157		24 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0158	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.72	0.71
07 62 19 00-0159	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.84	0.71
07 62 19 00-0160	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.63	0.71
07 62 19 00-0161	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	8.00	0.71
07 62 19 00-0162	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	10.17	0.71
07 62 19 00-0163		KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0149)</small>		
07 62 19 00-0164		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0165	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.57	0.71
07 62 19 00-0166	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.98	0.71
07 62 19 00-0167	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.99	0.71
07 62 19 00-0168	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	9.70	0.71
07 62 19 00-0169	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	12.45	0.71
07 62 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0171	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.19	0.71
07 62 19 00-0172	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.81	0.71
07 62 19 00-0173	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.97	0.71
07 62 19 00-0174	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	10.94	0.71
07 62 19 00-0175	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	14.11	0.71
07 62 19 00-0176		Stainless Steel Drip Edge <small>(07 62 19)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0177		26 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0178	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.91	0.71
07 62 19 00-0179	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.07	0.71
07 62 19 00-0180	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.94	0.71
07 62 19 00-0181	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	8.38	0.71
07 62 19 00-0182	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	10.70	0.71
07 62 19 00-0183		24 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0184	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.01	0.71
07 62 19 00-0185	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.53	0.71
07 62 19 00-0186	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	8.67	0.71
07 62 19 00-0187	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	10.57	0.71
07 62 19 00-0188	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	13.61	0.71
07 62 19 00-0189		22 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0190	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	7.29	0.71
07 62 19 00-0191	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.24	0.71
07 62 19 00-0192	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	10.71	0.71
07 62 19 00-0193	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	13.14	0.71
07 62 19 00-0194	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	17.04	0.71

07 63 Sheet Metal Roofing Specialties (07 60)**07 63 00 00-0001 Pitch Pockets** (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	60.96	
		For Pourable Sealer Filled, Add	27.16	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	13.59	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	74.23	
		For Pourable Sealer Filled, Add	61.15	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	30.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0005	EA		8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	91.07 108.66	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.20	
07 63 00 00-0006	EA		8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	100.10 135.82	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	68.13	
07 63 00 00-0007	EA		8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	108.73 162.98	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.50	
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	128.53 244.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.49	
07 63 00 00-0009	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>				
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	80.97 27.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	13.59	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	97.20 61.15	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	30.66	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	118.37 108.66	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.20	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	130.46 135.82	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	68.13	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	140.26 162.98	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.50	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	162.39 244.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.49	
07 63 00 00-0016	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets <small>(07 63 00 00-0001)</small>				
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	80.67 27.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	13.59	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	96.53 61.15	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	30.66	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	111.56 108.66	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.20	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	120.27 135.82	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	68.13	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	128.50 162.98	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.50	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Filled, Add</i>	147.18 244.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.49	
07 63 00 00-0023	Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout <small>(07 63 00 00-0001)</small>				
			<small>Note: Includes removing existing filler and refilling with non-shrink grout.</small>		
07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	48.28 27.16	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	13.59	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	56.14 61.15	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	30.66	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	66.65 108.66	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	54.20	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	73.25 135.82	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	68.13	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	79.84 162.98	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	81.50	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Filled, Add</i>	96.77 244.48	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	121.49	
07 63 00 00-0030	Lead Pipe Flashing For Roofs <small>(07 63)</small>				
			<small>Note: Includes 6" skirt base.</small>		
07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	74.33	21.04
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	74.33	21.04
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	92.41	21.04
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	102.74	21.04
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	107.91	21.04
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	110.49	21.04

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....		136.32	21.04
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....		147.94	21.04
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)			
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		51.90	13.60
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		52.50	13.60
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		54.69	13.60
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing		56.58	13.60
07 65		Flexible Flashing (07 60)			
07 65 16		Modified Bituminous Sheet Flashing (07 65)			
07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems (07 65 16)			
		See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.			
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....		10.56	1.39
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.			
07 65 19		Plastic Sheet Flashing (07 65)			
07 65 19 00-0001		Plastic Flashing And Trim (07 65 19)			
07 65 19 00-0002		Neoprene Flashing (07 65 19 00-0001)			
07 65 19 00-0003		60 Mil Neoprene Flashing (07 65 19 00-0002)			
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing		6.30	1.94
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing		8.52	2.08
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing		10.95	2.29
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing		13.51	2.59
07 70		Roof and Wall Specialties and Accessories (07)			
07 71		Roof Specialties (07 70)			
07 71 13		Manufactured Copings (07 71)			
07 71 13 00-0001		Galvanized Steel Copings (07 71 13)			
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001)			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats		23.40	1.55
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats		24.68	1.68
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats		28.17	1.77
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats		32.72	1.94
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats		39.59	2.02
07 71 13 00-0008		Aluminum Copings (07 71 13)			
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		18.55	1.55
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		19.79	1.68
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		23.10	1.77
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		27.59	1.94
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		34.32	2.02
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		20.14	1.55
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		21.49	1.68
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		25.11	1.77
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		30.02	1.94
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		37.41	2.02
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats		21.46	1.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.01	1.68
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.62	1.77
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	34.51	1.94
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	44.68	2.02
07 71 13 00-0028			KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0029)</small>		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.73	1.55
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.44	1.68
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.16	1.77
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.55	1.94
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	48.24	2.02
07 71 13 00-0035			0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0035)</small>		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	28.04	1.55
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	29.90	1.68
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	35.08	1.77
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	42.08	1.94
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	52.73	2.02
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0041)</small>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	29.94	1.55
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.10	1.68
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.72	1.77
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	48.59	1.94
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	63.26	2.02
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0048)</small>		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.12	1.55
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	28.92	1.68
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	33.92	1.77
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	40.66	1.94
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	50.93	2.02
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0054)</small>		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	29.57	1.55
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	31.53	1.68
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	37.01	1.77
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	44.41	1.94
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	55.69	2.02

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	31.59	1.55
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	33.86	1.68
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	40.86	1.77
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	51.31	1.94
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	66.85	2.02
07 71 13 00-0066			Removal And Reinstallation Of Metal Coping (07 71 13)		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping.....	5.37	
07 71 19			Manufactured Gravel Stops and Fasciae (07 71)		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.49	1.30
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.68	1.34
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	14.92	1.38
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	15.37	1.30
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	15.59	1.34
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	15.88	1.38
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	16.51	1.30
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	16.69	1.34
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	17.09	1.38
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	17.29	1.30
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	17.49	1.34
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	17.94	1.38
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022			0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	9.64	1.30
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	10.07	1.34
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	10.53	1.38
07 71 19 00-0026			0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	10.36	1.30
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	10.70	1.34
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	11.02	1.38
07 71 19 00-0030			0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	11.09	1.30
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	11.43	1.34
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	11.81	1.38
07 71 19 00-0034			0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	11.88	1.30
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	12.16	1.34
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	12.40	1.38
07 71 19 00-0038			Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0039			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.19	1.30
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.49	1.34
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.77	1.38

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	18.24	1.30
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	18.59	1.34
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	18.92	1.38
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	19.61	1.30
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	19.90	1.34
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	20.13	1.38
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	20.54	1.30
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	20.87	1.34
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	21.13	1.38
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	17.79	2.15
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.52	2.22
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.43	2.29
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	18.67	2.15
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.44	2.22
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	20.39	2.29
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	19.81	2.15
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	20.53	2.22
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	21.61	2.29
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	20.59	2.15
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	21.34	2.22
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	22.46	2.29
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	13.61	2.15
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.16	2.22
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.87	2.29
07 71 19 00-0078		0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.21	2.15
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.79	2.22
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.53	2.29
07 71 19 00-0082		0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.00	2.15
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.54	2.22
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	16.32	2.29

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
07 71 19 00-0086				0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087	LF			4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.53	2.15
07 71 19 00-0088	LF			>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	16.10	2.22
07 71 19 00-0089	LF			>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	16.91	2.29
07 71 19 00-0090				Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091				0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092	LF			4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.49	2.15
07 71 19 00-0093	LF			>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.34	2.22
07 71 19 00-0094	LF			>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.28	2.29
07 71 19 00-0095				0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096	LF			4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.54	2.15
07 71 19 00-0097	LF			>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.43	2.22
07 71 19 00-0098	LF			>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	23.43	2.29
07 71 19 00-0099				0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100	LF			4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.91	2.15
07 71 19 00-0101	LF			>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	23.75	2.22
07 71 19 00-0102	LF			>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	24.64	2.29
07 71 19 00-0103				0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0104	LF			4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	23.84	2.15
07 71 19 00-0105	LF			>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	24.71	2.22
07 71 19 00-0106	LF			>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	25.65	2.29
07 71 19 00-0107				Stainless Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0108				Stainless Steel Gravel Stop <small>(07 71 19 00-0107)</small>		
07 71 19 00-0109				26 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0110	LF			4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	9.68	1.30
07 71 19 00-0111	LF			>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	12.18	1.34
07 71 19 00-0112	LF			>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	17.38	1.38
07 71 19 00-0113				24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114	LF			4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	11.74	1.30
07 71 19 00-0115	LF			>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	14.92	1.34
07 71 19 00-0116	LF			>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	21.49	1.38
07 71 19 00-0117				22 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0118	LF			4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	13.93	1.30
07 71 19 00-0119	LF			>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	17.83	1.34
07 71 19 00-0120	LF			>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	25.87	1.38
07 71 19 00-0121				Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0107)</small>		
				Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122				26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0123	LF			4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	12.80	2.15
07 71 19 00-0124	LF			>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.78	2.22
07 71 19 00-0125	LF			>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	21.58	2.29
07 71 19 00-0126				24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0127	LF			4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.86	2.15
07 71 19 00-0128	LF			>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.52	2.22
07 71 19 00-0129	LF			>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	25.69	2.29

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0130)		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (00-0121)	17.04	2.15
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	21.44	2.22
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	30.06	2.29
07 71 19 00-0134		Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135		Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	15.19	1.30
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	15.36	1.34
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	15.69	1.38
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	18.82	2.15
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	19.64	2.22
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	20.77	2.29
07 71 19 00-0147		Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148		Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	44.59	1.30
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	50.61	1.34
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	58.24	1.38
07 71 19 00-0153		16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	54.55	1.30
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	62.79	1.34
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	71.52	1.38
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	47.75	2.15
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	54.27	2.22
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	62.51	2.29
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	57.71	2.15
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	66.45	2.22
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	75.80	2.29
07 71 19 00-0166		Fascia (07 71 19)		
07 71 19 00-0167		Snap-On Cover Fascia (07 71 19 00-0166)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	19.53	1.80
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	21.87	1.87
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	23.40	1.94
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>			
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	129.59		2.52
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	138.30		2.52
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	143.77		2.52
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>			
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	105.86		2.52
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	110.26		2.52
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	112.94		2.52
07 71 19 00-0183		Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0183)</small>			
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.23		1.80
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.68		1.87
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.97		1.94
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.18		1.80
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.91		1.87
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	23.35		1.94
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>			
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	121.51		2.52
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	131.86		2.52
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	136.38		2.52
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	96.01		2.52
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	101.16		2.52
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	103.42		2.52
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.15		1.80
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	24.07		1.87
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.59		1.94
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	22.30		1.80
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.54		1.87
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.24		1.94

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	150.63	2.52
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	163.56	2.52
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	169.22	2.52

07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	118.75	2.52
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	125.19	2.52
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	128.01	2.52

07 71 23 Manufactured Gutters and Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)

07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)
 Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	7.14	2.86
		For Up To 100', Add	1.42	
		For >100' To 250', Add	0.59	
		For >1,000', Deduct	-0.47	
		For Kynar 500® Finish, Add	1.09	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	8.04	3.01
		For Up To 100', Add	1.55	
		For >100' To 250', Add	0.65	
		For >1,000', Deduct	-0.49	
		For Kynar 500® Finish, Add	1.40	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	7.49	2.86
		For Up To 100', Add	1.46	
		For >100' To 250', Add	0.61	
		For >1,000', Deduct	-0.47	
		For Kynar 500® Finish, Add	1.25	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	8.49	3.01
		For Up To 100', Add	1.59	
		For >100' To 250', Add	0.67	
		For >1,000', Deduct	-0.49	
		For Kynar 500® Finish, Add	1.60	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	16.79	3.16
		For Up To 100', Add	2.48	
		For >100' To 250', Add	1.11	
		For >1,000', Deduct	-0.53	
		For Kynar 500® Finish, Add	5.16	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	18.41	3.55
		For Up To 100', Add	2.72	
		For >100' To 250', Add	1.21	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	5.64	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	20.83	3.55
		For Up To 100', Add	2.96	
		For >100' To 250', Add	1.34	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	6.73	

07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	14.15	2.86
		For Up To 100', Add	2.12	
		For >100' To 250', Add	0.94	
		For >1,000', Deduct	-0.47	
		For Kynar 500® Finish, Add	4.25	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	17.23	3.01
		For Up To 100', Add	2.46	
		For >100' To 250', Add	1.11	
		For >1,000', Deduct	-0.49	
		For Kynar 500® Finish, Add	5.53	

07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	14.63	3.55
		For Up To 100', Add	2.34	
		For >100' To 250', Add	1.03	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	3.94	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0016	LF	6"	0.032" Thick, Box Style Aluminum Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	14.67 2.35 1.03 -0.59 3.96	3.55
07 71 23 00-0017	LF	7"	0.032" Thick, Box Style Aluminum Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	17.22 2.66 1.17 -0.63 4.94	3.78
07 71 23 00-0018	LF	8"	0.032" Thick, Box Style Aluminum Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	19.56 2.95 1.31 -0.66 5.81	4.01
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA	5"	K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	2.39 0.38	
07 71 23 00-0022	EA	6"	K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	3.08 0.69	
07 71 23 00-0023	EA	7"	K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	7.26 2.57	
07 71 23 00-0024	EA	8"	K-Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	8.53 3.14	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA	5"	Half Round Aluminum Gutter End Cap For Kynar 500® Finish, Add	4.15 1.17	
07 71 23 00-0027	EA	6"	Half Round Aluminum Gutter End Cap For Kynar 500® Finish, Add	6.68 2.31	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6"	Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	7.96 2.88	
07 71 23 00-0030	EA	7"	Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	8.69 3.21	
07 71 23 00-0031	EA	8"	Box Style Aluminum Gutter End Cap For Kynar 500® Finish, Add	10.29 3.93	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5"	K-Style Aluminum Gutter Miter For Kynar 500® Finish, Add	14.48 3.01	
07 71 23 00-0035	EA	6"	K-Style Aluminum Gutter Miter For Kynar 500® Finish, Add	19.90 5.20	
07 71 23 00-0036	EA	7"	K-Style Aluminum Gutter Miter For Kynar 500® Finish, Add	64.53 25.04	
07 71 23 00-0037	EA	8"	K-Style Aluminum Gutter Miter For Kynar 500® Finish, Add	70.09 27.27	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5"	Half Round Aluminum Gutter Miter For Kynar 500® Finish, Add	26.74 8.52	
07 71 23 00-0040	EA	6"	Half Round Aluminum Gutter Miter For Kynar 500® Finish, Add	43.23 15.70	
07 71 23 00-0041			Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042	EA	6"	Box Style Aluminum Gutter Miter For Kynar 500® Finish, Add	51.95 19.62	
07 71 23 00-0043	EA	7"	Box Style Aluminum Gutter Miter For Kynar 500® Finish, Add	78.44 31.30	
07 71 23 00-0044	EA	8"	Box Style Aluminum Gutter Miter For Kynar 500® Finish, Add	85.24 34.08	
07 71 23 00-0045			Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046	EA	3"	Diameter, Round Aluminum Wire Strainer For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	10.41 2.88 0.89 1.85 2.68	1.93
07 71 23 00-0047	EA	4"	Diameter, Round Aluminum Wire Strainer For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	15.79 5.30 1.65 3.41 4.94	1.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	5.34	1.85
For Up To 100', Add	0.84	
For >100 To 250', Add	0.37	
For >1,000', Deduct	-0.20	
For Kynar 500® Finish, Add	1.50	
For 0.024" Thick, Add	0.47	
For 0.027" Thick, Add	0.97	
For 0.031" Thick, Add	1.40	
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	6.12	1.85
For Up To 100', Add	0.91	
For >100 To 250', Add	0.41	
For >1,000', Deduct	-0.20	
For Kynar 500® Finish, Add	1.85	
For 0.024" Thick, Add	0.58	
For 0.027" Thick, Add	1.19	
For 0.031" Thick, Add	1.73	
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	3.72	1.85
For Up To 100', Add	0.67	
For >100 To 250', Add	0.29	
For >1,000', Deduct	-0.20	
For Kynar 500® Finish, Add	0.77	
For 0.024" Thick, Add	0.24	
For 0.027" Thick, Add	0.50	
For 0.031" Thick, Add	0.72	
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	4.71	1.85
For Up To 100', Add	0.77	
For >100 To 250', Add	0.34	
For >1,000', Deduct	-0.20	
For Kynar 500® Finish, Add	1.22	
For 0.024" Thick, Add	0.38	
For 0.027" Thick, Add	0.78	
For 0.031" Thick, Add	1.13	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	8.89	1.85
For Up To 100', Add	1.19	
For >100 To 250', Add	0.55	
For >1,000', Deduct	-0.20	
For Kynar 500® Finish, Add	3.10	
For 0.024" Thick, Add	0.96	
For 0.027" Thick, Add	2.00	
For 0.031" Thick, Add	2.89	
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet.....	155.52	16.17
For Kynar 500® Finish, Add	45.73	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	180.88	17.97
For Kynar 500® Finish, Add	65.23	
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	15.34	2.70
For Up To 100', Add	2.21	
For >100' To 250', Add	0.99	
For >1,000', Deduct	-0.45	
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	22.35	2.86
For Up To 100', Add	2.94	
For >100' To 250', Add	1.35	
For >1,000', Deduct	-0.47	
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	26.92	3.01
For Up To 100', Add	3.43	
For >100' To 250', Add	1.59	
For >1,000', Deduct	-0.49	
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	28.70	2.86
For Up To 100', Add	3.58	
For >100' To 250', Add	1.67	
For >1,000', Deduct	-0.47	
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	35.91	3.01
For Up To 100', Add	4.33	
For >100' To 250', Add	2.04	
For >1,000', Deduct	-0.49	
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	42.01	3.16
For Up To 100', Add	5.00	
For >100' To 250', Add	2.37	
For >1,000', Deduct	-0.53	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	.....	46.74	3.55
		<i>For Up To 100', Add</i>		5.55	
		<i>For >100' To 250', Add</i>		2.63	
		<i>For >1,000', Deduct</i>		-0.59	
07 71 23 00-0069		Half Round Copper Gutters (07 71 23 00-0069)			
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	.....	19.05	2.86
		<i>For Up To 100', Add</i>		2.61	
		<i>For >100' To 250', Add</i>		1.19	
		<i>For >1,000', Deduct</i>		-0.47	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	.....	24.46	3.01
		<i>For Up To 100', Add</i>		3.19	
		<i>For >100' To 250', Add</i>		1.47	
		<i>For >1,000', Deduct</i>		-0.49	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	.....	42.07	3.16
		<i>For Up To 100', Add</i>		5.01	
		<i>For >100' To 250', Add</i>		2.37	
		<i>For >1,000', Deduct</i>		-0.53	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	.....	22.52	2.86
		<i>For Up To 100', Add</i>		2.96	
		<i>For >100' To 250', Add</i>		1.36	
		<i>For >1,000', Deduct</i>		-0.47	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	.....	28.14	3.01
		<i>For Up To 100', Add</i>		3.56	
		<i>For >100' To 250', Add</i>		1.65	
		<i>For >1,000', Deduct</i>		-0.49	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	.....	44.32	3.16
		<i>For Up To 100', Add</i>		5.23	
		<i>For >100' To 250', Add</i>		2.48	
		<i>For >1,000', Deduct</i>		-0.53	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	.....	50.43	3.55
		<i>For Up To 100', Add</i>		5.92	
		<i>For >100' To 250', Add</i>		2.82	
		<i>For >1,000', Deduct</i>		-0.59	
07 71 23 00-0077		Copper Gutter End Caps (07 71 23 00-0077)			
07 71 23 00-0078		K-Style, Copper Gutter End Caps (07 71 23 00-0078)			
07 71 23 00-0079	EA	4", K-Style Copper Gutter End Cap	.....	5.29	
07 71 23 00-0080	EA	5", K-Style Copper Gutter End Cap	.....	5.71	
07 71 23 00-0081	EA	6", K-Style Copper Gutter End Cap	.....	6.12	
07 71 23 00-0082	EA	7", K-Style Copper Gutter End Cap	.....	17.20	
07 71 23 00-0083	EA	8", K-Style Copper Gutter End Cap	.....	21.09	
07 71 23 00-0084		Half Round, Copper Gutter End Caps (07 71 23 00-0077)			
07 71 23 00-0085	EA	4", Half Round Copper Gutter End Cap	.....	6.52	
07 71 23 00-0086	EA	5", Half Round Copper Gutter End Cap	.....	7.40	
07 71 23 00-0087	EA	6", Half Round Copper Gutter End Cap	.....	11.45	
07 71 23 00-0088	EA	7", Half Round Copper Gutter End Cap	.....	35.59	
07 71 23 00-0089	EA	8", Half Round Copper Gutter End Cap	.....	42.14	
07 71 23 00-0090		Copper Gutter Miters (07 71 23 00-0090)			
		Note: Inside or outside miters.			
07 71 23 00-0091		K-Style, Copper Gutter Miters (07 71 23 00-0090)			
07 71 23 00-0092	EA	4", K-Style Copper Gutter Miter	.....	35.01	
07 71 23 00-0093	EA	5", K-Style Copper Gutter Miter	.....	39.83	
07 71 23 00-0094	EA	6", K-Style Copper Gutter Miter	.....	58.38	
07 71 23 00-0095	EA	7", K-Style Copper Gutter Miter	.....	83.65	
07 71 23 00-0096	EA	8", K-Style Copper Gutter Miter	.....	98.48	
07 71 23 00-0097		Half Round, Copper Gutter Miters (07 71 23 00-0090)			
07 71 23 00-0098	EA	4", Half Round Copper Gutter Miter	.....	56.17	
07 71 23 00-0099	EA	5", Half Round Copper Gutter Miter	.....	51.55	
07 71 23 00-0100	EA	6", Half Round Copper Gutter Miter	.....	75.34	
07 71 23 00-0101	EA	7", Half Round Copper Gutter Miter	.....	90.24	
07 71 23 00-0102	EA	8", Half Round Copper Gutter Miter	.....	107.00	
07 71 23 00-0103		Copper Gutter Wire Strainers (07 71 23 00-0099)			
07 71 23 00-0104	EA	2" Diameter, Round Copper Wire Strainer	.....	13.69	1.93
07 71 23 00-0105	EA	3" Diameter, Round Copper Wire Strainer	.....	16.87	1.93
07 71 23 00-0106	EA	4" Diameter, Round Copper Wire Strainer	.....	27.23	1.93
07 71 23 00-0107	EA	5" Diameter, Round Copper Wire Strainer	.....	36.26	1.93
07 71 23 00-0108	EA	6" Diameter, Round Copper Wire Strainer	.....	43.83	1.93
07 71 23 00-0109		Copper Downspouts (07 71 23 00-0099)			
		Note: Includes elbows, hangers and fasteners.			
07 71 23 00-0110		Round Copper Downspouts (07 71 23 00-0109)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout	23.46	1.85
			For Up To 100', Add	2.65	
			For >100 To 250', Add	1.27	
			For >1,000', Deduct	-0.20	
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout	16.14	1.85
			For Up To 100', Add	1.92	
			For >100 To 250', Add	0.91	
			For >1,000', Deduct	-0.20	
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout	20.52	1.85
			For Up To 100', Add	2.35	
			For >100 To 250', Add	1.13	
			For >1,000', Deduct	-0.20	
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout	33.18	1.85
			For Up To 100', Add	3.62	
			For >100 To 250', Add	1.76	
			For >1,000', Deduct	-0.20	
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout	42.86	1.85
			For Up To 100', Add	4.59	
			For >100 To 250', Add	2.24	
			For >1,000', Deduct	-0.20	
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout	22.07	1.85
			For Up To 100', Add	2.51	
			For >100 To 250', Add	1.20	
			For >1,000', Deduct	-0.20	
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout	28.83	1.85
			For Up To 100', Add	3.18	
			For >100 To 250', Add	1.54	
			For >1,000', Deduct	-0.20	
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout	44.17	1.85
			For Up To 100', Add	4.72	
			For >100 To 250', Add	2.31	
			For >1,000', Deduct	-0.20	
07 71 23 00-0119			Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout	10.97	1.85
			For Up To 100', Add	1.40	
			For >100 To 250', Add	0.65	
			For >1,000', Deduct	-0.20	
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout	13.88	1.85
			For Up To 100', Add	1.69	
			For >100 To 250', Add	0.79	
			For >1,000', Deduct	-0.20	
07 71 23 00-0122	LF		5" Diameter, 16 Ounce, Square Copper Downspout	20.16	1.85
			For Up To 100', Add	2.32	
			For >100 To 250', Add	1.11	
			For >1,000', Deduct	-0.20	
07 71 23 00-0123	LF		3" Diameter, 20 Ounce, Square Copper Downspout	12.77	1.85
			For Up To 100', Add	1.58	
			For >100 To 250', Add	0.74	
			For >1,000', Deduct	-0.20	
07 71 23 00-0124	LF		4" Diameter, 20 Ounce, Square Copper Downspout	16.40	1.85
			For Up To 100', Add	1.94	
			For >100 To 250', Add	0.92	
			For >1,000', Deduct	-0.20	
07 71 23 00-0125	LF		5" Diameter, 20 Ounce, Square Copper Downspout	23.85	1.85
			For Up To 100', Add	2.69	
			For >100 To 250', Add	1.29	
			For >1,000', Deduct	-0.20	
07 71 23 00-0126			Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	16.59	1.85
			For Up To 100', Add	1.96	
			For >100 To 250', Add	0.93	
			For >1,000', Deduct	-0.20	
07 71 23 00-0128	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	21.16	1.85
			For Up To 100', Add	2.42	
			For >100 To 250', Add	1.16	
			For >1,000', Deduct	-0.20	
07 71 23 00-0129	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	30.38	1.85
			For Up To 100', Add	3.34	
			For >100 To 250', Add	1.62	
			For >1,000', Deduct	-0.20	
07 71 23 00-0130	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	19.43	1.85
			For Up To 100', Add	2.24	
			For >100 To 250', Add	1.07	
			For >1,000', Deduct	-0.20	
07 71 23 00-0131	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	25.10	1.85
			For Up To 100', Add	2.81	
			For >100 To 250', Add	1.36	
			For >1,000', Deduct	-0.20	
07 71 23 00-0132	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout	36.32	1.85
			For Up To 100', Add	3.93	
			For >100 To 250', Add	1.92	
			For >1,000', Deduct	-0.20	
07 71 23 00-0133			Copper Devices And Accessories (07 71 23 00-0059)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet.....	176.00	16.17
07 71 23 00-0135	EA	Copper Leader/Conductor Head.....	268.38	17.97
07 71 23 00-0136	EA	Copper Eave Box.....	118.12	11.58
07 71 23 00-0137 Galvanized Steel Gutters And Downspouts (07 71 23)				
07 71 23 00-0138 Galvanized Steel Gutters (07 71 23 00-0137)				
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.				
07 71 23 00-0139 K-Style Galvanized Steel Gutters (07 71 23 00-0138)				
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	8.93	2.86
		For Up To 100', Add	1.60	
		For >100' To 250', Add	0.68	
		For >1,000', Deduct	-0.47	
		For Kynar 500® Finish, Add	1.90	
		For 24 Gauge, Add	1.18	
		For 22 Gauge, Add	2.32	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	10.45	3.01
		For Up To 100', Add	1.79	
		For >100' To 250', Add	0.77	
		For >1,000', Deduct	-0.49	
		For Kynar 500® Finish, Add	2.48	
		For 24 Gauge, Add	1.54	
		For 22 Gauge, Add	3.03	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	22.26	3.16
		For Up To 100', Add	3.02	
		For >100' To 250', Add	1.38	
		For >1,000', Deduct	-0.53	
		For Kynar 500® Finish, Add	7.62	
		For 24 Gauge, Add	4.74	
		For 22 Gauge, Add	9.32	
07 71 23 00-0143	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	23.46	3.55
		For Up To 100', Add	3.23	
		For >100' To 250', Add	1.47	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	7.92	
		For 24 Gauge, Add	4.93	
		For 22 Gauge, Add	9.67	
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)				
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	13.29	2.86
		For Up To 100', Add	2.04	
		For >100' To 250', Add	0.90	
		For >1,000', Deduct	-0.47	
		For Kynar 500® Finish, Add	3.86	
		For 24 Gauge, Add	2.40	
		For 22 Gauge, Add	4.72	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	16.87	3.01
		For Up To 100', Add	2.43	
		For >100' To 250', Add	1.09	
		For >1,000', Deduct	-0.49	
		For Kynar 500® Finish, Add	5.37	
		For 24 Gauge, Add	3.34	
		For 22 Gauge, Add	6.56	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	43.31	3.16
		For Up To 100', Add	5.13	
		For >100' To 250', Add	2.43	
		For >1,000', Deduct	-0.53	
		For Kynar 500® Finish, Add	17.10	
		For 24 Gauge, Add	10.64	
		For 22 Gauge, Add	20.89	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	46.19	3.55
		For Up To 100', Add	5.50	
		For >100' To 250', Add	2.60	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	18.14	
		For 24 Gauge, Add	11.29	
		For 22 Gauge, Add	22.18	
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)				
07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	15.93	3.24
		For Up To 100', Add	2.40	
		For >100' To 250', Add	1.07	
		For >1,000', Deduct	-0.54	
		For Kynar 500® Finish, Add	4.73	
		For 22 Gauge, Add	2.31	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	18.75	3.55
		For Up To 100', Add	2.76	
		For >100' To 250', Add	1.23	
		For >1,000', Deduct	-0.59	
		For Kynar 500® Finish, Add	5.80	
		For 22 Gauge, Add	2.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0152	LF		7", 24 Gauge, Box Style Galvanized Steel Gutter.....	23.94	3.16
			For Up To 100', Add	3.19	
			For >100' To 250', Add	1.46	
			For >1,000', Deduct	-0.53	
			For Kynar 500® Finish, Add	8.38	
			For 22 Gauge, Add	4.10	
07 71 23 00-0153	LF		8", 24 Gauge, Box Style Galvanized Steel Gutter.....	26.51	4.01
			For Up To 100', Add	3.65	
			For >100' To 250', Add	1.66	
			For >1,000', Deduct	-0.66	
			For Kynar 500® Finish, Add	8.94	
			For 22 Gauge, Add	4.37	
07 71 23 00-0154			Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155			K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156	EA		5", K-Style Galvanized Steel Gutter End Cap	4.08	
			For Kynar 500® Finish, Add	1.14	
07 71 23 00-0157	EA		6", K-Style Galvanized Steel Gutter End Cap	4.74	
			For Kynar 500® Finish, Add	1.44	
07 71 23 00-0158	EA		7", K-Style Galvanized Steel Gutter End Cap	10.64	
			For Kynar 500® Finish, Add	4.09	
07 71 23 00-0159	EA		8", K-Style Galvanized Steel Gutter End Cap	15.58	
			For Kynar 500® Finish, Add	6.31	
07 71 23 00-0160			Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161	EA		5", Half Round Galvanized Steel Gutter End Cap	5.33	
			For Kynar 500® Finish, Add	1.70	
07 71 23 00-0162	EA		6", Half Round Galvanized Steel Gutter End Cap	6.18	
			For Kynar 500® Finish, Add	2.08	
07 71 23 00-0163	EA		7", Half Round Galvanized Steel Gutter End Cap	11.77	
			For Kynar 500® Finish, Add	4.60	
07 71 23 00-0164	EA		8", Half Round Galvanized Steel Gutter End Cap	16.02	
			For Kynar 500® Finish, Add	6.51	
07 71 23 00-0165			Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166	EA		5", Box Style Galvanized Steel Gutter End Cap	9.80	
			For Kynar 500® Finish, Add	3.71	
07 71 23 00-0167	EA		6", Box Style Galvanized Steel Gutter End Cap	11.86	
			For Kynar 500® Finish, Add	4.64	
07 71 23 00-0168	EA		7", Box Style Galvanized Steel Gutter End Cap	13.32	
			For Kynar 500® Finish, Add	5.30	
07 71 23 00-0169	EA		8", Box Style Galvanized Steel Gutter End Cap	17.95	
			For Kynar 500® Finish, Add	7.38	
07 71 23 00-0170			Galvanized Steel Gutter Miters (07 71 23 00-0137)		
			Note: Inside or outside miters.		
07 71 23 00-0171			K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172	EA		5", K-Style Galvanized Steel Gutter Miter	24.93	
			For Kynar 500® Finish, Add	7.71	
07 71 23 00-0173	EA		6", K-Style Galvanized Steel Gutter Miter	41.11	
			For Kynar 500® Finish, Add	14.75	
07 71 23 00-0174	EA		7", K-Style Galvanized Steel Gutter Miter	66.52	
			For Kynar 500® Finish, Add	25.94	
07 71 23 00-0175	EA		8", K-Style Galvanized Steel Gutter Miter	74.86	
			For Kynar 500® Finish, Add	29.41	
07 71 23 00-0176			Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177	EA		5", Half Round Galvanized Steel Gutter Miter	34.61	
			For Kynar 500® Finish, Add	12.06	
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter	38.97	
			For Kynar 500® Finish, Add	13.78	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter	113.05	
			For Kynar 500® Finish, Add	46.88	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter	119.46	
			For Kynar 500® Finish, Add	49.48	
07 71 23 00-0181			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter	32.68	
			For Kynar 500® Finish, Add	11.20	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter	53.93	
			For Kynar 500® Finish, Add	20.52	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter	70.38	
			For Kynar 500® Finish, Add	27.68	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter	74.86	
			For Kynar 500® Finish, Add	29.41	
07 71 23 00-0186			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71	23 00-0187	EA	3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	9.11 2.29	1.93
07 71	23 00-0188	EA	4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	13.44 4.24	1.93
07 71	23 00-0189		Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71	23 00-0190		Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71	23 00-0191	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	5.09 0.81 0.36 -0.20 1.39 0.86 1.69	1.85
07 71	23 00-0192	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.41 0.94 0.42 -0.20 1.98 1.23 2.42	1.85
07 71	23 00-0193	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	8.85 1.19 0.54 -0.20 3.08 1.92 3.76	1.85
07 71	23 00-0194	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	20.10 2.31 1.11 -0.20 8.14 5.07 9.95	1.85
07 71	23 00-0195		Square Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71	23 00-0196	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	5.83 0.88 0.39 -0.20 1.72 1.07 2.10	1.85
07 71	23 00-0197	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	7.56 1.06 0.48 -0.20 2.50 1.55 3.05	1.85
07 71	23 00-0198		Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71	23 00-0199	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	5.19 0.82 0.36 -0.20 1.43 0.89 1.75	1.85
07 71	23 00-0200	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.71 0.97 0.44 -0.20 2.12 1.32 2.59	1.85
07 71	23 00-0201	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	12.76 1.58 0.74 -0.20 4.84 3.01 5.91	1.85
07 71	23 00-0202		Galvanized Steel Devices (07 71 23 00-0137)		
07 71	23 00-0203	EA	Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	232.73 88.56	17.97
07 71	23 00-0204	EA	Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	114.88 27.44	16.17
07 71	23 00-0205		Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0206 Stainless Steel Gutters <small>(07 71 23 00-0205)</small>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207 K-Style, Stainless Steel Gutters <small>(07 71 23 00-0206)</small>		
07 71 23 00-0208 LF 5", 26 Gauge, K-Style Stainless Steel Gutter.....	24.31	2.86
For Up To 100', Add	3.14	
For >100' To 250', Add	1.45	
For >1,000', Deduct	-0.47	
For 316 Stainless Steel, Add	7.45	
For 24 Gauge, Add	6.47	
For 22 Gauge, Add	12.94	
For 20 Gauge, Add	19.40	
07 71 23 00-0209 LF 6", 26 Gauge, K-Style Stainless Steel Gutter.....	29.44	3.01
For Up To 100', Add	3.69	
For >100' To 250', Add	1.72	
For >1,000', Deduct	-0.49	
For 316 Stainless Steel, Add	9.31	
For 24 Gauge, Add	8.09	
For 22 Gauge, Add	16.17	
For 20 Gauge, Add	24.26	
07 71 23 00-0210 Half Round, Stainless Steel Gutters <small>(07 71 23 00-0206)</small>		
07 71 23 00-0211 LF 5", 26 Gauge, Half Round Stainless Steel Gutter	34.38	2.86
For Up To 100', Add	4.14	
For >100' To 250', Add	1.95	
For >1,000', Deduct	-0.47	
For 316 Stainless Steel, Add	11.27	
For 24 Gauge, Add	9.79	
For 22 Gauge, Add	19.58	
For 20 Gauge, Add	29.37	
07 71 23 00-0212 LF 6", 26 Gauge, Half Round Stainless Steel Gutter	41.97	3.01
For Up To 100', Add	4.94	
For >100' To 250', Add	2.35	
For >1,000', Deduct	-0.49	
For 316 Stainless Steel, Add	14.07	
For 24 Gauge, Add	12.22	
For 22 Gauge, Add	24.44	
For 20 Gauge, Add	36.66	
07 71 23 00-0213 Box Style, Stainless Steel Gutters <small>(07 71 23 00-0206)</small>		
07 71 23 00-0214 LF 5", 26 Gauge, Box Style Stainless Steel Gutter	33.35	3.24
For Up To 100', Add	4.15	
For >100' To 250', Add	1.94	
For >1,000', Deduct	-0.54	
For 316 Stainless Steel, Add	10.62	
For 24 Gauge, Add	9.22	
For 22 Gauge, Add	18.44	
For 20 Gauge, Add	27.66	
For Seamless Gutter, Add	-0.59	
07 71 23 00-0215 LF 6", 26 Gauge, Box Style Stainless Steel Gutter	40.98	3.55
For Up To 100', Add	4.98	
For >100' To 250', Add	2.34	
For >1,000', Deduct	-0.59	
For 316 Stainless Steel, Add	13.34	
For 24 Gauge, Add	11.59	
For 22 Gauge, Add	23.17	
For 20 Gauge, Add	34.76	
For Seamless Gutter, Add	-0.88	
07 71 23 00-0216 LF 7", 26 Gauge, Box Style Stainless Steel Gutter	48.68	3.78
For Up To 100', Add	5.81	
For >100' To 250', Add	2.75	
For >1,000', Deduct	-0.63	
For 316 Stainless Steel, Add	16.12	
For 24 Gauge, Add	14.00	
For 22 Gauge, Add	28.00	
For 20 Gauge, Add	42.01	
For Seamless Gutter, Add	-1.18	
07 71 23 00-0217 LF 8", 26 Gauge, Box Style Stainless Steel Gutter	52.99	4.01
For Up To 100', Add	6.30	
For >100' To 250', Add	2.98	
For >1,000', Deduct	-0.66	
For 316 Stainless Steel, Add	17.61	
For 24 Gauge, Add	15.30	
For 22 Gauge, Add	30.59	
For 20 Gauge, Add	45.89	
For Seamless Gutter, Add	-1.32	
07 71 23 00-0218 Stainless Steel Gutter End Caps <small>(07 71 23 00-0205)</small>		
07 71 23 00-0219 K-Style, Stainless Steel Gutter End Caps <small>(07 71 23 00-0218)</small>		
07 71 23 00-0220 EA 5", K-Style Stainless Steel Gutter End Cap	7.68	
For 316 Stainless Steel, Add	2.33	
07 71 23 00-0221 EA 6", K-Style Stainless Steel Gutter End Cap	8.91	
For 316 Stainless Steel, Add	2.80	

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07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0222	Half Round, Stainless Steel Gutter End Caps <small>(07 71 23 00-0218)</small>		
07 71 23 00-0223	EA 5", Half Round Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	9.21 2.91	
07 71 23 00-0224	EA 6", Half Round Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	10.75 3.50	
07 71 23 00-0225	Box Style, Stainless Steel Gutter End Caps <small>(07 71 23 00-0218)</small>		
07 71 23 00-0226	EA 5", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	9.59 2.91	
07 71 23 00-0227	EA 6", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	11.13 3.50	
07 71 23 00-0228	EA 7", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	11.73 3.77	
07 71 23 00-0229	EA 8", Box Style Stainless Steel Gutter End Cap <i>For 316 Stainless Steel, Add</i>	14.28 4.65	
07 71 23 00-0230	Stainless Steel Gutter Miters <small>(07 71 23 00-0205)</small> Note: Inside or outside box miters.		
07 71 23 00-0231	K-Style, Stainless Steel Gutter Miters <small>(07 71 23 00-0230)</small>		
07 71 23 00-0232	EA 5", K-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	39.47 12.03	
07 71 23 00-0233	EA 6", K-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	64.53 21.35	
07 71 23 00-0234	Half Round, Stainless Steel Gutter Miters <small>(07 71 23 00-0230)</small>		
07 71 23 00-0235	EA 5", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	100.77 35.33	
07 71 23 00-0236	EA 6", Half Round Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	123.75 43.86	
07 71 23 00-0237	Box-Style, Stainless Steel Gutter Miters <small>(07 71 23 00-0230)</small>		
07 71 23 00-0238	EA 5", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	45.81 14.44	
07 71 23 00-0239	EA 6", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	75.77 25.62	
07 71 23 00-0240	EA 7", K-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	74.91 25.09	
07 71 23 00-0241	EA 8", Box-Style Stainless Steel Gutter Miter <i>For 316 Stainless Steel, Add</i>	99.41 34.17	
07 71 23 00-0242	Stainless Steel Gutter Wire Strainers <small>(07 71 23 00-0205)</small>		
07 71 23 00-0243	EA 3" Diameter, Round Stainless Steel Wire Strainer	31.39	1.93
07 71 23 00-0244	EA 4" Diameter, Round Stainless Steel Wire Strainer	32.14	1.93
07 71 23 00-0245	Stainless Steel Downspouts <small>(07 71 23 00-0205)</small> Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0246	Round Stainless Steel Downspouts <small>(07 71 23 00-0245)</small>		
07 71 23 00-0247	LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	14.67 1.77 0.83 -0.20 4.81 4.18 8.36 12.53	1.85
07 71 23 00-0248	LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	19.58 2.26 1.08 -0.20 6.68 5.80 11.60 17.39	1.85
07 71 23 00-0249	LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For 316 Stainless Steel, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	28.86 3.19 1.54 -0.20 10.20 8.86 17.72 26.58	1.85
07 71 23 00-0250	Rectangular Stainless Steel Downspouts <small>(07 71 23 00-0245)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0251 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	15.03	1.85
For Up To 100', Add	1.80	
For >100 To 250', Add	0.85	
For >1,000', Deduct	-0.20	
For 316 Stainless Steel, Add	4.95	
For 24 Gauge, Add	4.30	
For 22 Gauge, Add	8.59	
For 20 Gauge, Add	12.89	
07 71 23 00-0252 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	20.32	1.85
For Up To 100', Add	2.33	
For >100 To 250', Add	1.12	
For >1,000', Deduct	-0.20	
For 316 Stainless Steel, Add	6.96	
For 24 Gauge, Add	6.04	
For 22 Gauge, Add	12.08	
For 20 Gauge, Add	18.13	
07 71 23 00-0253 LF 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	26.50	1.85
For Up To 100', Add	2.95	
For >100 To 250', Add	1.43	
For >1,000', Deduct	-0.20	
For 316 Stainless Steel, Add	9.31	
For 24 Gauge, Add	8.08	
For 22 Gauge, Add	16.16	
For 20 Gauge, Add	24.25	
07 71 23 00-0254 Stainless Steel Devices (07 71 23 00-0205)		
07 71 23 00-0255 EA Thru-Wall Stainless Steel Scupper Outlet.....	180.68	17.37
For 316 Stainless Steel, Add	46.66	
07 71 23 00-0256 EA Stainless Steel Leader/Conductor Head.....	314.12	17.37
For 316 Stainless Steel, Add	104.70	
07 71 23 00-0257 Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0258 Vinyl Gutters (07 71 23 00-0257)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0259 K-Style Vinyl Gutters (07 71 23 00-0258)		
07 71 23 00-0260 LF 4", K-Style Vinyl Gutter	7.82	1.93
For Up To 100', Add	1.27	
For >100' To 250', Add	0.55	
For >1,000', Deduct	-0.32	
07 71 23 00-0261 LF 5", K-Style Vinyl Gutter	10.19	1.93
For Up To 100', Add	1.50	
For >100' To 250', Add	0.67	
For >1,000', Deduct	-0.32	
07 71 23 00-0262 Half Round Vinyl Gutters (07 71 23 00-0258)		
07 71 23 00-0263 LF 4", Half Round Vinyl Gutter.....	8.09	1.93
For Up To 100', Add	1.29	
For >100' To 250', Add	0.57	
For >1,000', Deduct	-0.32	
07 71 23 00-0264 LF 5", Half Round Vinyl Gutter.....	8.52	1.93
For Up To 100', Add	1.34	
For >100' To 250', Add	0.59	
For >1,000', Deduct	-0.32	
07 71 23 00-0265 Vinyl Gutter End Caps (07 71 23 00-0257)		
07 71 23 00-0266 K-Style, Vinyl Gutter End Caps (07 71 23 00-0265)		
07 71 23 00-0267 EA 4", K-Style Vinyl Gutter End Cap	4.88	
07 71 23 00-0268 EA 5", K-Style Vinyl Gutter End Cap	6.85	
07 71 23 00-0269 Half Round, Vinyl Gutter End Caps (07 71 23 00-0265)		
07 71 23 00-0270 EA 4", Half Round Vinyl Gutter End Cap.....	5.61	
07 71 23 00-0271 EA 5", Half Round Vinyl Gutter End Cap.....	5.28	
07 71 23 00-0272 Vinyl Gutter Miters (07 71 23 00-0257)		
Note: Inside or outside miters.		
07 71 23 00-0273 K-Style, Vinyl Gutter Miters (07 71 23 00-0272)		
07 71 23 00-0274 EA 4", K-Style Vinyl Gutter Miter	12.29	
07 71 23 00-0275 EA 5", K-Style Vinyl Gutter Miter	18.63	
07 71 23 00-0276 Half Round, Vinyl Gutter Miters (07 71 23 00-0272)		
07 71 23 00-0277 EA 4", Half Round Vinyl Gutter Miter.....	12.29	
07 71 23 00-0278 EA 5", Half Round Vinyl Gutter Miter.....	13.38	
07 71 23 00-0279 Vinyl Downspouts (07 71 23 00-0257)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0280 Round Vinyl Downspouts (07 71 23 00-0279)		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0281	LF		2-1/2" Diameter, Round Vinyl Downspout.....	5.15	1.85
			<i>For Up To 100', Add</i>	0.82	
			<i>For >100 To 250', Add</i>	0.36	
			<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0282	LF		3" Diameter, Round Vinyl Downspout.....	5.38	1.85
			<i>For Up To 100', Add</i>	0.84	
			<i>For >100 To 250', Add</i>	0.37	
			<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0283			Square Vinyl Downspouts (07 71 23 00-0279)		
07 71 23 00-0284	LF		2-1/2", Square Vinyl Downspout.....	5.05	1.85
			<i>For Up To 100', Add</i>	0.81	
			<i>For >100 To 250', Add</i>	0.35	
			<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0285			Rectangular Vinyl Downspouts (07 71 23 00-0279)		
07 71 23 00-0286	LF		2" x 3", Rectangular Vinyl Downspout.....	6.54	1.85
			<i>For Up To 100', Add</i>	0.96	
			<i>For >100 To 250', Add</i>	0.43	
			<i>For >1,000', Deduct</i>	-0.20	
07 71 23 00-0287			Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0288			Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0287)		
07 71 23 00-0289	EA		2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	232.56	2.78
07 71 23 00-0290	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	303.40	2.78
07 71 23 00-0291	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	362.31	2.78
07 71 23 00-0292			Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0293	LF		Aluminum Mesh Gutter Leaf Guard.....	2.48	0.63
			<i>For Up To 100', Add</i>	0.44	
			<i>For >100' To 250', Add</i>	0.19	
			<i>For >1,000', Deduct</i>	-0.13	
07 71 23 00-0294	LF		Vinyl Mesh Gutter Leaf Guard.....	2.07	0.63
			<i>For Up To 100', Add</i>	0.39	
			<i>For >100' To 250', Add</i>	0.17	
			<i>For >1,000', Deduct</i>	-0.13	
07 71 23 00-0295	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	11.47	0.79
			<i>For Up To 100', Add</i>	1.39	
			<i>For >100' To 250', Add</i>	0.65	
			<i>For >1,000', Deduct</i>	-0.16	
07 71 23 00-0296	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	16.43	0.79
			<i>For Up To 100', Add</i>	1.88	
			<i>For >100' To 250', Add</i>	0.90	
			<i>For >1,000', Deduct</i>	-0.16	
07 71 23 00-0297	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	8.73	0.79
			<i>For Up To 100', Add</i>	1.06	
			<i>For >100' To 250', Add</i>	0.50	
			<i>For >1,000', Deduct</i>	-0.13	
07 71 23 00-0298	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	13.48	0.79
			<i>For Up To 100', Add</i>	1.54	
			<i>For >100' To 250', Add</i>	0.74	
			<i>For >1,000', Deduct</i>	-0.13	
07 71 23 00-0299	EA		Cleanout Roof Drain.....	99.87	
			Note: Includes removing dome and flushing.		
07 71 23 00-0300	LF		Clean Gutters And Downspouts.....	1.23	
07 71 26			Reglets (07 71)		
07 71 26 00-0001			Counter Flashing With Reglet (07 71 26)		
			Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	11.25	3.20
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	11.39	3.20
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	11.62	3.20
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	12.50	3.20
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	13.00	3.20
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	13.58	3.20
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.44	3.20
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.64	3.20
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.97	3.20
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.25	3.20
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.98	3.20
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	16.82	3.20

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 26 00-0017	Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0018	KYNAR 500® Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0019	LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	11.81	3.20
07 71 26 00-0020	LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	12.67	3.20
07 71 26 00-0021	LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.52	3.20
07 71 26 00-0022	LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.14	3.20
07 71 26 00-0023	LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.52	3.20
07 71 26 00-0024	LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.52	3.20
07 71 26 00-0025	Mill Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0026	LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.85	3.20
07 71 26 00-0027	LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.40	3.20
07 71 26 00-0028	LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.95	3.20
07 71 26 00-0029	LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	11.34	3.20
07 71 26 00-0030	LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	12.22	3.20
07 71 26 00-0031	LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.50	3.20
07 71 26 00-0032	Clear Anodized Finish, Aluminum Counter Flashing With Reglet <small>(07 71 26 00-0017)</small>		
07 71 26 00-0033	LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.41	3.20
07 71 26 00-0034	LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.20	3.20
07 71 26 00-0035	LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.00	3.20
07 71 26 00-0036	LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.57	3.20
07 71 26 00-0037	LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.85	3.20
07 71 26 00-0038	LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.69	3.20
07 71 26 00-0039	Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0040	Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041	LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	13.04	3.20
07 71 26 00-0042	LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	14.22	3.20
07 71 26 00-0043	Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044	Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045	LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	27.50	3.20

07 72 Roof Accessories (07 70)

07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001	Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small>		
	<small>Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.</small>		
07 72 13 00-0002	Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
	<small>Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.</small>		
07 72 13 00-0003	18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004	9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005	EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	398.94	64.46
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.45	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.34	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0006	EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	410.42	64.46
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.60	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.64	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0007	EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	432.28	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.98	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.20	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0008	EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	476.33	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.38	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.01	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.17	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.82	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.19	
07 72 13 00-0009	EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	508.88	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.64	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	94.52	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0010	EA		26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....655.23 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	655.23	80.58
				57.47	
				122.99	
				108.12	
				174.77	
				202.91	
07 72 13 00-0011	EA		38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....414.26 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	414.26	64.46
				34.98	
				76.41	
				7.78	
				67.02	
				93.68	
07 72 13 00-0012	EA		38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....434.19 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	434.19	72.52
				36.17	
				79.59	
				62.21	
				124.41	
				149.59	
07 72 13 00-0013	EA		38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....459.09 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	459.09	72.52
				38.66	
				84.57	
				77.02	
				142.19	
				162.92	
07 72 13 00-0014	EA		38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....468.67 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	468.67	72.52
				39.62	
				86.48	
				13.77	
				84.87	
				104.12	
07 72 13 00-0015	EA		38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....624.59 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	624.59	80.58
				54.40	
				116.86	
				17.77	
				96.27	
				125.89	
07 72 13 00-0016	EA		38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....680.91 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	680.91	88.63
				59.23	
				127.32	
				21.77	
				112.12	
				147.67	
07 72 13 00-0017	EA		50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....522.29 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	522.29	72.52
				44.98	
				97.21	
				79.98	
				145.15	
				161.44	
07 72 13 00-0018	EA		50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....563.31 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	563.31	80.58
				48.27	
				104.60	
				96.27	
				157.00	
				186.62	
07 72 13 00-0019	EA		50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....584.38 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	584.38	80.58
				50.38	
				108.82	
				114.04	
				165.88	
				216.24	
07 72 13 00-0020	EA		50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....640.70 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	640.70	88.63
				55.21	
				119.28	
				133.30	
				199.95	
				247.34	
07 72 13 00-0021	EA		51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....679.79 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	679.79	96.69
				58.31	
				126.29	
				22.88	
				105.82	
				142.85	
07 72 13 00-0022	EA		51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....734.21 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	734.21	104.75
				62.95	
				136.37	
				183.66	
				276.97	
				327.32	
07 72 13 00-0023	EA		62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....584.38 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	584.38	80.58
				50.38	
				108.82	
				18.22	
				67.09	
				123.38	
07 72 13 00-0024	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....619.63 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	619.63	88.63
				53.10	
				115.06	
				139.22	
				211.80	
				257.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0025	EA		62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	677.88 58.12 125.91 180.69 253.27 296.22	96.69
07 72 13 00-0026	EA		62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	697.02 60.03 129.74 27.10 99.68 173.73	96.69
07 72 13 00-0027	EA		62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	755.28 65.05 140.58 228.09 302.14 396.93	104.75
07 72 13 00-0028			12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0029	EA		26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	423.83 35.94 78.32 32.58 63.69 79.98	64.46
07 72 13 00-0030	EA		26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	429.58 36.51 79.47 39.99 81.46 96.27	64.46
07 72 13 00-0031	EA		26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	451.43 37.89 83.03 48.88 100.71 111.08	72.52
07 72 13 00-0032	EA		26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	501.22 42.87 92.99 65.17 131.82 142.19	72.52
07 72 13 00-0033	EA		26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	537.61 46.51 100.27 13.55 86.13 95.01	72.52
07 72 13 00-0034	EA		26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	678.21 59.76 127.58 108.12 174.77 202.91	80.58
07 72 13 00-0035	EA		38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	431.49 36.70 79.85 7.78 67.02 93.68	64.46
07 72 13 00-0036	EA		38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	485.90 41.34 89.93 62.21 124.41 149.59	72.52
07 72 13 00-0037	EA		38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	524.20 45.17 97.59 77.02 142.19 162.92	72.52
07 72 13 00-0038	EA		38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	568.25 49.57 106.40 13.77 84.87 104.12	72.52
07 72 13 00-0039	EA		38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	655.23 57.47 122.99 17.77 96.27 125.89	80.58

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	719.21	88.63
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.06	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	134.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.77	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.12	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.67	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	545.27	72.52
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.28	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	101.80	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	582.46	80.58
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.19	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	108.43	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	96.27	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	157.00	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.62	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	613.10	80.58
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.25	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.56	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	671.34	88.63
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	58.27	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	125.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	133.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	199.95	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	247.34	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	716.18	96.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.95	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	133.57	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	776.34	104.75
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.16	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	144.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	183.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	276.97	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	327.32	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	613.10	80.58
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.25	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.56	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	650.27	88.63
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.16	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	121.19	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	710.43	96.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.37	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	132.42	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	180.69	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	253.27	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.22	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	735.32	96.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	63.86	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	137.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	797.40	104.75
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.27	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	149.01	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	437.24	64.46
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.28	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.00	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0054	EA	26" x 38"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	442.98	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0055	EA	26" x 50"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	461.01	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0056	EA	26" x 74"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	516.54	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.19	
07 72 13 00-0057	EA	26" x 98"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	558.67	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0058	EA	26" x 122"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	705.02	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.44	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	132.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	174.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.91	
07 72 13 00-0059	EA	38" x 38"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	442.98	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.68	
07 72 13 00-0060	EA	38" x 50"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	461.01	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.85	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.59	
07 72 13 00-0061	EA	38" x 62"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	558.67	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0062	EA	38" x 74"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	604.63	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.21	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	113.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0063	EA	38" x 98"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	678.21	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	127.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0064	EA	38" x 122"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	744.11	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.67	
07 72 13 00-0065	EA	50" x 50"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	560.59	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.81	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0066	EA	50" x 62"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	503.29	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	157.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.62	
07 72 13 00-0067	EA	50" x 74"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	632.25	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.17	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	118.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0068	EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	694.32 60.57 130.00 133.30 199.95 247.34	88.63
07 72 13 00-0069	EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	739.16 64.25 138.16 22.88 105.82 142.85	96.69
07 72 13 00-0070	EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	803.15 69.84 150.16 183.66 276.97 327.32	104.75
07 72 13 00-0071	EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	632.25 55.17 118.39 18.22 67.09 123.38	80.58
07 72 13 00-0072	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	671.34 58.27 125.40 139.22 211.80 257.71	88.63
07 72 13 00-0073	EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	735.32 63.86 137.40 180.69 253.27 296.22	96.69
07 72 13 00-0074	EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	760.22 66.35 142.38 27.10 99.68 173.73	96.69
07 72 13 00-0075	EA 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	826.13 72.14 154.75 228.09 302.14 396.93	104.75
07 72 13 00-0076	14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077	9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	377.87 31.34 69.13 32.58 63.69 79.98	64.46
07 72 13 00-0079	EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	402.76 33.83 74.11 39.99 81.46 96.27	64.46
07 72 13 00-0080	EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	466.75 39.42 86.10 48.88 100.71 111.08	72.52
07 72 13 00-0081	EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	524.20 45.17 97.59 65.17 131.82 142.19	72.52
07 72 13 00-0082	EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	566.33 49.38 106.01 13.55 86.13 95.01	72.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	735.66	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.51	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	174.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.91	
07 72	13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	448.72	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.68	
07 72	13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	482.07	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.96	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.59	
07 72	13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	501.22	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.87	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72	13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	518.45	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.59	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72	13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	689.70	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.91	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	129.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72	13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	757.51	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	142.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.67	
07 72	13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	568.25	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	106.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72	13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	611.18	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.06	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	157.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.62	
07 72	13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	641.82	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	120.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72	13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	705.81	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	61.72	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	132.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	133.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	199.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	247.34	
07 72	13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	750.64	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	140.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72	13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	816.56	104.75
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.18	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	152.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	183.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	276.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	327.32	
07 72	13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	641.82	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	120.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72	13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	680.91	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.23	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	127.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	746.82	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	180.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	253.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.22	
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	773.62	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	145.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	841.45	104.75
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.67	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	157.82	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	
07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof					
Curbs (07 72 13 00-0076)					
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	395.10	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.06	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.57	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	423.83	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.94	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.46	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.27	
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	495.47	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.30	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	558.67	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	65.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	131.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.19	
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	610.37	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	53.79	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.82	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	743.32	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	66.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	140.61	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	174.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	202.91	
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	473.62	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.92	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	93.68	
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	512.71	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.02	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	95.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	124.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	149.59	
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	537.61	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.51	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	100.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	560.59	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.81	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0112	EA		38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	735.66	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.51	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	139.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0113	EA		38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	813.05	88.63
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	72.44	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	153.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	21.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	112.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	147.67	
07 72 13 00-0114	EA		50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	602.71	72.52
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	53.02	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	113.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0115	EA		50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	649.48	80.58
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	56.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	121.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	157.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.62	
07 72 13 00-0116	EA		50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	685.87	80.58
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	60.53	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	129.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0117	EA		50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	751.77	88.63
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	66.31	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	141.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	133.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	199.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	247.34	
07 72 13 00-0118	EA		51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	804.26	96.69
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	70.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	151.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0119	EA		51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	877.84	104.75
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	77.31	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	165.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	183.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	276.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	327.32	
07 72 13 00-0120	EA		62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	685.87	80.58
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	60.53	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	129.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	730.71	88.63
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	64.21	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	137.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	800.44	96.69
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	70.38	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	150.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	180.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	253.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	296.22	
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	829.16	96.69
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	73.25	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	156.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	906.56	104.75
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	80.18	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	170.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	228.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	302.14	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.93	
07 72 13 00-0125			14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs		
			<small>(07 72 13 00-0076)</small>		
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	408.51	64.46
			<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	34.41	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0127	EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	439.15 37.47 81.38 39.99 81.46 96.27	64.46
07 72 13 00-0128	EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	512.71 44.02 95.29 48.88 100.71 111.08	72.52
07 72 13 00-0129	EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	581.65 50.91 109.08 65.17 131.82 142.19	72.52
07 72 13 00-0130	EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	639.10 56.66 120.57 13.55 86.13 95.01	72.52
07 72 13 00-0131	EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	804.60 72.40 152.86 108.12 174.77 202.91	80.58
07 72 13 00-0132	EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	492.77 42.83 92.11 7.78 67.02 93.68	64.46
07 72 13 00-0133	EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	545.27 47.28 101.80 62.21 124.41 149.59	72.52
07 72 13 00-0134	EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	579.73 50.72 108.69 77.02 142.19 162.92	72.52
07 72 13 00-0135	EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	587.39 51.49 110.23 13.77 84.87 104.12	72.52
07 72 13 00-0136	EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	770.13 68.96 145.97 17.77 96.27 125.89	80.58
07 72 13 00-0137	EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	851.35 76.27 161.41 21.77 112.12 147.67	88.63
07 72 13 00-0138	EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	625.69 55.32 117.89 79.98 145.15 161.44	72.52
07 72 13 00-0139	EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	558.09 47.75 103.56 96.27 157.00 186.62	80.58
07 72 13 00-0140	EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	714.60 63.40 134.86 114.04 165.88 216.24	80.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	786.24 69.76 148.38 133.30 199.95 247.34	88.63
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	838.74 74.21 158.08 22.88 105.82 142.85	96.69
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	919.96 81.52 173.52 183.66 276.97 327.32	104.75
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	714.60 63.40 134.86 18.22 67.09 123.38	80.58
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	765.17 67.65 144.17 139.22 211.80 257.71	88.63
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	832.99 73.63 156.93 180.69 253.27 296.22	96.69
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	867.46 77.08 163.82 27.10 99.68 173.73	96.69
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	948.69 84.39 179.26 228.09 302.14 396.93	104.75
07 72 13 00-0149			Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150			6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	356.32 29.19 64.82	64.46
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	457.27 39.28 85.01	64.46
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	529.52 45.70 98.65	72.52
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	610.13 53.76 114.77	72.52
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	673.13 59.26 126.57	80.58
07 72 13 00-0156			12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	504.14 43.97 94.38	64.46

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0158	EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	641.14 57.67 121.78	64.46
07 72 13 00-0159	EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	661.12 58.86 124.97	72.52
07 72 13 00-0160	EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	712.62 64.01 135.27	72.52
07 72 13 00-0161	EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	800.86 72.03 152.11	80.58
07 72 13 00-0162	EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,501.44 141.28 291.42	88.63
07 72 13 00-0163	18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0164	EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	746.99 68.25 142.95	64.46
07 72 13 00-0165	EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	887.08 82.26 170.97	64.46
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,069.56 99.70 206.66	72.52
07 72 13 00-0167	Wood, Prefabricated Roof Curbs (07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	248.89 18.44 43.33 32.58 63.69 79.98	64.46
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	273.89 20.14 47.53 48.88 100.71 111.08	72.52
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	312.39 23.99 55.23 13.55 86.13 95.01	72.52
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	307.95 23.54 54.34 77.02 142.19 162.92	72.52
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	318.32 24.58 56.41 13.77 84.87 104.12	72.52
07 72 13 00-0175	EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.63 27.91 63.87 17.77 96.27 125.89	80.58
07 72 13 00-0176	EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	315.36 24.28 55.82 79.98 145.15 161.44	72.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0177	EA	50" x 74"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	372.96 29.24 66.53 114.04 165.88 216.24	80.58
07 72 13 00-0178	EA	51" x 99"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	405.18 30.85 71.37 22.88 105.82 142.85	96.69
07 72 13 00-0179	EA	62" x 62"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.30 26.57 61.20 18.22 67.09 123.38	80.58
07 72 13 00-0180	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	380.18 29.15 67.17 139.22 211.80 257.71	88.63
07 72 13 00-0181	EA	62" x 98"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	434.80 33.81 77.29 27.10 99.68 173.73	96.69
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0183	EA	26" x 26"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.78 19.33 45.11 32.58 63.69 79.98	64.46
07 72 13 00-0184	EA	26" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	284.25 21.17 49.60 48.88 100.71 111.08	72.52
07 72 13 00-0185	EA	26" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	340.54 26.80 60.86 13.55 86.13 95.01	72.52
07 72 13 00-0186	EA	38" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.72 25.32 57.89 77.02 142.19 162.92	72.52
07 72 13 00-0187	EA	38" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	340.54 26.80 60.86 13.77 84.87 104.12	72.52
07 72 13 00-0188	EA	38" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	381.84 30.13 68.31 17.77 96.27 125.89	80.58
07 72 13 00-0189	EA	50" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	331.65 25.91 59.08 79.98 145.15 161.44	72.52
07 72 13 00-0190	EA	50" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	393.69 31.31 70.68 114.04 165.88 216.24	80.58
07 72 13 00-0191	EA	51" x 99"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	425.91 32.92 75.51 22.88 105.82 142.85	96.69

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	362.59	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.20	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	399.43	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.08	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	455.53	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.88	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0195			2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0198)</small>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	263.70	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.92	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	294.62	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.21	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	343.50	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	336.09	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	353.87	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.14	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	396.65	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	342.02	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	407.02	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.64	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	439.24	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	372.96	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0206	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	411.28	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0207 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	470.35	96.69
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.37	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.40	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	99.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	173.73	
07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	271.11	64.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	20.67	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	47.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	300.55	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	22.80	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	48.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.08	
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	356.83	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.43	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.11	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	86.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	95.01	
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	368.68	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	29.62	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.48	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	84.87	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	104.12	
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	412.95	80.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.24	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	74.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.77	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	96.27	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	125.89	
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	355.35	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.28	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.82	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	79.98	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	145.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	161.44	
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	421.83	80.58
For Sloped Roofs Up To 1 In 12 Pitch, Add	34.13	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	76.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	114.04	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	165.88	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	216.24	
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	457.02	96.69
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.03	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	81.74	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	22.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	105.82	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	142.85	
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	423.13	88.63
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.45	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.76	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	139.22	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	211.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	257.71	
07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	260.74	64.46
For Sloped Roofs Up To 1 In 12 Pitch, Add	19.63	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	45.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.69	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	79.98	
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	234.25	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	21.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	48.88	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.71	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	111.08	
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	331.65	72.52
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	59.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	86.13	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	95.01	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0223	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	321.28	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.88	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.00	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0224	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	334.61	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.21	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.67	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0225	EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	377.40	80.58
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.68	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.42	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0226	EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	328.69	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.62	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	58.49	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0227	EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	389.25	80.58
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.87	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.79	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0228	EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	421.47	96.69
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.48	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.63	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0229	EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	364.07	80.58
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.35	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.76	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0230	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	396.47	88.63
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.78	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.43	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0231	EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	455.53	96.69
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.88	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.44	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0232	2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-02 18)</small>		
07 72 13 00-0233	EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	271.11	64.46
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.67	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.78	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0234	EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	296.10	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.36	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.97	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0235	EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	349.42	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.69	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.63	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0236	EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	339.05	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.65	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.56	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0237	EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	358.31	72.52
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.58	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.41	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	404.06	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.35	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	349.42	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	414.43	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.39	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	449.61	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.29	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	383.32	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.61	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	418.69	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	480.71	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.40	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0245			2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	279.99	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.55	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	307.95	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.54	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.34	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	367.19	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.47	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	352.38	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.99	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	77.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.19	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	162.92	
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	376.08	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.36	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	423.31	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	362.75	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.02	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	430.72	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0254	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	467.38	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.07	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	83.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	398.14	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.76	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.57	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.09	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	123.38	
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	434.98	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.63	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.13	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	
07 72 13 00-0257	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	499.97	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.33	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	90.33	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	173.73	
07 72 13 00-0258			2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	297.77	64.46
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.33	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.69	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.98	
07 72 13 00-0260	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	316.84	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.43	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	48.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	100.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	111.08	
07 72 13 00-0261	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	380.52	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	86.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	95.01	
07 72 13 00-0262	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	390.89	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.84	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.93	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	84.87	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.12	
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	479.60	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.90	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	96.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	125.89	
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	405.70	72.52
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	79.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	161.44	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	482.56	80.58
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.20	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	114.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	165.88	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.24	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	526.63	96.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.99	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	95.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.88	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	105.82	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	142.85	
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	489.78	88.63
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.11	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	139.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	211.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.71	

07 72 23 Relief Vents (07 72)

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 23 00-0001		Wind Driven Turbine Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0002		Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	121.07 131.11	21.52
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	145.80 143.84	23.84
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	156.55 159.10	28.45
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	307.71 262.85	31.52
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	426.25 284.19	35.36
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	515.65 308.66	38.43
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	660.40 379.71	43.05
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,095.02 628.73	57.66
07 72 23 00-0011		Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)		
07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	120.61 139.62	21.52
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	151.38 153.42	23.84
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	168.80 168.75	28.45
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	308.44 300.37	31.52
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	400.14 319.95	35.36
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	508.83 361.73	38.43
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	690.40 438.95	43.05
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	1,030.94 664.66	57.66
07 72 23 00-0020		Stationary Siphon Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021		Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	101.24 131.11	21.52
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	134.46 143.84	23.84
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	147.25 159.10	28.45
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	256.82 262.85	31.52
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	297.47 284.19	35.36
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	424.64 308.66	38.43
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	554.92 379.71	43.05
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	805.66 628.73	57.66
07 72 23 00-0030		Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	115.62 139.62	21.52
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	154.36 153.42	23.84
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	171.31 168.75	28.45
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	284.94 300.37	31.52
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	360.22 319.95	35.36
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	443.93 361.73	38.43
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	640.52 438.95	43.05
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	967.17 664.66	57.66
07 72 23 00-0039		Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	228.78 135.53 186.47	34.59

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	285.84	38.43
			<i>For Backdraft Damper, Add</i>	148.28	
			<i>For Curb Base, Add</i>	203.78	
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	320.99	46.13
			<i>For Backdraft Damper, Add</i>	202.49	
			<i>For Curb Base, Add</i>	259.53	
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	396.31	50.74
			<i>For Backdraft Damper, Add</i>	231.19	
			<i>For Curb Base, Add</i>	301.90	
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,112.09	69.19
			<i>For Backdraft Damper, Add</i>	290.19	
			<i>For Curb Base, Add</i>	396.47	
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,362.22	79.95
			<i>For Backdraft Damper, Add</i>	342.80	
			<i>For Curb Base, Add</i>	475.15	
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,871.30	92.25
			<i>For Backdraft Damper, Add</i>	342.80	
			<i>For Curb Base, Add</i>	490.36	
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,657.43	99.94
			<i>For Backdraft Damper, Add</i>	358.75	
			<i>For Curb Base, Add</i>	506.24	
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,856.53	107.63
			<i>For Backdraft Damper, Add</i>	398.61	
			<i>For Curb Base, Add</i>	571.56	
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	428.03	38.43
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	497.90	50.74
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	719.74	69.19
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,137.23	79.95
07 72 26 Ridge Vents (07 72)					
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)					
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips	9.32	2.24
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors	35.60	13.89
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap.....	32.97	13.89
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)					
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips.....	10.03	2.39
07 72 29 Rafter Vent (07 72)					
07 72 29 00-0001 Rafter Vent (07 72 29)					
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.					
07 72 29 00-0002	EA		22" x 4' Rafter Vent	7.24	
07 72 29 00-0003	EA		14" x 4' Rafter Vent	6.50	
07 72 33 Roof Hatches (07 72)					
Note: Includes curb with integral insulation, lockable hatch and gaskets.					
07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)					
07 72 33 00-0002	EA		2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	1,105.93	104.38
07 72 33 00-0003	EA		2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,652.37	115.97
07 72 33 00-0004	EA		2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,954.79	158.15
07 72 33 00-0005	EA		3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,633.88	115.97
07 72 33 00-0006	EA		4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,845.63	128.87
07 72 33 00-0007	EA		3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,055.17	175.77
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)					
07 72 33 00-0009	EA		2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50)	1,008.00	104.38
07 72 33 00-0010	EA		2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,321.45	115.97
07 72 33 00-0011	EA		2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,432.07	158.15
07 72 33 00-0012	EA		3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50)	1,296.27	115.97
07 72 33 00-0013	EA		4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,352.35	128.87
07 72 33 00-0014	EA		3'-0" x 8'-0" Aluminum Roof Hatch	2,566.59	175.77
07 72 33 00-0015	EA		3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50)	1,462.94	115.97
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)					
07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	1,057.12	104.38
07 72 33 00-0018	EA		2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,449.63	115.97
07 72 33 00-0019	EA		2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	1,986.49	158.15
07 72 33 00-0020	EA		3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,345.65	115.97
07 72 33 00-0021	EA		4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,659.67	128.87
07 72 33 00-0022	EA		3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,255.56	175.77
07 72 33 00-0023 Stainless Steel (07 72 33)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,343.07	104.38
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,535.35	115.97
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	6,830.18	158.15
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,630.88	115.97
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch.....	7,740.50	128.87
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch.....	8,652.46	175.77
07 72 33 00-0030			Removal And Reinstallation Of Roof Hatch (07 72 33) Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch (All Types).....	321.03	
07 72 33 00-0032			Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	974.55	115.97
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,288.00	128.87
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,345.10	175.70
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,269.51	119.59
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,278.76	132.50
07 72 33 00-0038			Security Roof Scuttles (07 72 33) Note: Lock not included.		
07 72 33 00-0039	EA		36" x 30" Bilco Security Roof Scuttle (Bilco S-20c).....	4,007.71	115.97
07 72 33 00-0040	EA		36" x 30" Bilco Security Roof Scuttle and 8" x 8" View Window (Bilco S-20c).....	4,982.77	115.97
			Note: Bilco S-20c.		
07 72 33 00-0041			Roof Hatch Accessories (07 72 33)		
07 72 33 00-0042	EA		Roof Hatch Ladderup Safety Post (Bilco LU-1).....	702.00	54.36
07 72 33 00-0043			Roof Hatch Safety Railing (07 72 33) Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0044	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24).....	1,388.44	
07 72 33 00-0045	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36).....	1,441.08	
07 72 33 00-0046	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30).....	1,477.95	
07 72 33 00-0047	EA		30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36).....	1,609.41	
07 72 33 00-0048	EA		36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36).....	1,761.05	
07 72 33 00-0049	EA		48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48).....	2,258.11	
07 72 36			Smoke Vents (07 72)		
07 72 36 00-0001			Smoke Vent (07 72 36)		
07 72 36 00-0002	EA		48" x 48" Aluminum Smoke Vent.....	1,997.02	72.48
07 72 36 00-0003	EA		48" x 48" Galvanized Steel Smoke Vent.....	1,855.87	72.48
07 72 36 00-0004	EA		48" x 96" Aluminum Heat/Smoke Vent.....	5,922.58	96.76
07 72 36 00-0005	EA		48" x 96" Galvanized Steel Heat/Smoke Vent.....	5,350.01	96.76
07 72 36 00-0006	EA		60" x 96" Aluminum Heat/Smoke Vent.....	7,213.84	120.83
07 72 36 00-0007	EA		60" x 96" Galvanized Steel Heat/Smoke Vent.....	6,671.24	120.83
07 72 36 00-0008			Fire Vent (07 72 36)		
07 72 36 00-0009			Galvanized Steel Covers And Curb (07 72 36 00-0008)		
07 72 36 00-0010	EA		4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	3,045.86	96.69
07 72 36 00-0011	EA		4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	3,490.73	132.93
07 72 36 00-0012	EA		4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	3,983.03	145.03
07 72 36 00-0013	EA		4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	4,058.99	152.28
07 72 36 00-0014	EA		5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	4,736.63	132.93
07 72 36 00-0015	EA		5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	5,033.67	145.03
07 72 36 00-0016	EA		5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	5,312.13	157.14
07 72 36 00-0017	EA		5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	6,055.47	169.24
07 72 36 00-0018	EA		5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	7,533.34	181.28
07 72 36 00-0019	EA		5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	5,023.90	157.14
07 72 36 00-0020	EA		5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66144).....	10,656.91	193.37
07 72 36 00-0021	EA		6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	5,775.11	205.48
07 72 36 00-0022			Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0008)		
07 72 36 00-0023	EA		4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A).....	2,312.58	96.69
07 72 36 00-0024	EA		4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A).....	2,641.25	132.93
07 72 36 00-0025	EA		4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A).....	2,973.80	145.03
07 72 36 00-0026	EA		4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A).....	3,078.35	152.28
07 72 36 00-0027	EA		5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A).....	2,995.83	132.93
07 72 36 00-0028	EA		5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A).....	3,836.84	145.03
07 72 36 00-0029	EA		5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A).....	4,102.50	157.14
07 72 36 00-0030	EA		5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A).....	3,986.80	169.24
07 72 36 00-0031	EA		5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A).....	5,623.96	181.28
07 72 36 00-0032	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A).....	3,868.34	157.14
07 72 36 00-0033	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A).....	7,394.91	193.37
07 72 36 00-0034	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A).....	3,773.55	205.48

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 72 36 00-0035		Aluminum Covers And Curb (07 72 36 00-0008)			
07 72 36 00-0036	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,526.67		96.69
07 72 36 00-0037	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,995.83		132.93
07 72 36 00-0038	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,288.24		145.03
07 72 36 00-0039	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,479.76		152.28
07 72 36 00-0040	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,156.40		132.93
07 72 36 00-0041	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	4,004.09		145.03
07 72 36 00-0042	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,249.68		157.14
07 72 36 00-0043	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,388.21		169.24
07 72 36 00-0044	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,336.28		181.28
07 72 36 00-0045	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	4,055.66		157.14
07 72 36 00-0046	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	8,084.00		193.37
07 72 36 00-0047	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,174.97		205.48
07 72 39		Roof Dormers (07 72)			
07 72 39 13		Roof Dormer Vent (07 72 39)			
07 72 39 13-0001		Copper Roof Dormer Vent (07 72 39 13)			
		Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.			
07 72 39 13-0002		Half Round Copper Roof Dormer Vent (07 72 39 13-0001)			
07 72 39 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	315.30		44.00
07 72 39 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	397.71		44.00
07 72 39 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	491.18		44.00
07 72 39 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	561.28		44.00
07 72 39 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	644.92		44.00
07 72 39 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	726.09		44.00
07 72 39 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	808.49		44.00
07 72 39 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	890.90		44.00
07 72 39 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	973.30		44.00
07 72 39 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,054.47		44.00
07 72 39 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,136.88		44.00
07 72 39 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,219.28		44.00
07 72 39 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	580.96		44.00
07 72 39 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	663.37		44.00
07 72 39 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	756.84		44.00
07 72 39 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	826.94		44.00
07 72 39 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	910.58		44.00
07 72 39 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	991.75		44.00
07 72 39 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,074.15		44.00
07 72 39 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,156.56		44.00
07 72 39 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,238.96		44.00
07 72 39 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,320.13		44.00
07 72 39 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,402.54		44.00
07 72 39 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,484.94		44.00
07 72 39 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	372.22		53.27
07 72 39 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	454.62		53.27
07 72 39 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	548.10		53.27
07 72 39 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	618.20		53.27
07 72 39 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	701.83		53.27
07 72 39 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	783.01		53.27
07 72 39 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	865.41		53.27
07 72 39 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	947.81		53.27
07 72 39 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,030.22		53.27
07 72 39 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,111.39		53.27
07 72 39 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,193.79		53.27
07 72 39 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,276.20		53.27
07 72 39 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	637.88		53.27
07 72 39 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	720.28		53.27
07 72 39 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	813.76		53.27
07 72 39 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	883.86		53.27
07 72 39 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	967.49		53.27
07 72 39 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,048.67		53.27
07 72 39 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,131.07		53.27
07 72 39 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,213.47		53.27
07 72 39 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,295.88		53.27
07 72 39 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,377.05		53.27
07 72 39 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,459.45		53.27
07 72 39 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,541.86		53.27
07 72 39 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	433.78		59.44
07 72 39 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	516.19		59.44
07 72 39 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	609.66		59.44
07 72 39 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	679.76		59.44
07 72 39 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	763.40		59.44
07 72 39 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	844.57		59.44
07 72 39 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	926.97		59.44
07 72 39 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,009.38		59.44
07 72 39 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,091.78		59.44
07 72 39 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,172.95		59.44
07 72 39 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,255.36		59.44
07 72 39 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,337.76		59.44
07 72 39 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	699.44		59.44
07 72 39 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	781.84		59.44
07 72 39 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	875.32		59.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 39 13-0066	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	945.42	59.44
07 72 39 13-0067	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,029.05	59.44
07 72 39 13-0068	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,110.23	59.44
07 72 39 13-0069	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,192.63	59.44
07 72 39 13-0070	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,275.03	59.44
07 72 39 13-0071	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,357.44	59.44
07 72 39 13-0072	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,438.61	59.44
07 72 39 13-0073	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,521.01	59.44
07 72 39 13-0074	EA		30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,603.42	59.44
07 72 39 13-0075	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	506.74	67.94
07 72 39 13-0076	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	589.14	67.94
07 72 39 13-0077	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	682.62	67.94
07 72 39 13-0078	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	752.72	67.94
07 72 39 13-0079	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	836.35	67.94
07 72 39 13-0080	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	917.53	67.94
07 72 39 13-0081	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	999.93	67.94
07 72 39 13-0082	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,082.33	67.94
07 72 39 13-0083	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,164.74	67.94
07 72 39 13-0084	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,245.91	67.94
07 72 39 13-0085	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,328.31	67.94
07 72 39 13-0086	EA		36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,410.72	67.94
07 72 39 13-0087	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	772.40	67.94
07 72 39 13-0088	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	854.80	67.94
07 72 39 13-0089	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	948.28	67.94
07 72 39 13-0090	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,018.38	67.94
07 72 39 13-0091	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,102.01	67.94
07 72 39 13-0092	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,183.19	67.94
07 72 39 13-0093	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,265.59	67.94
07 72 39 13-0094	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,347.99	67.94
07 72 39 13-0095	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,430.40	67.94
07 72 39 13-0096	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,511.57	67.94
07 72 39 13-0097	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,593.97	67.94
07 72 39 13-0098	EA		36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,676.38	67.94
07 72 39 13-0099	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	725.49	75.66
07 72 39 13-0100	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	807.89	75.66
07 72 39 13-0101	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	901.36	75.66
07 72 39 13-0102	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	971.47	75.66
07 72 39 13-0103	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,055.10	75.66
07 72 39 13-0104	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,136.27	75.66
07 72 39 13-0105	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,218.68	75.66
07 72 39 13-0106	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,301.08	75.66
07 72 39 13-0107	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,383.48	75.66
07 72 39 13-0108	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,464.66	75.66
07 72 39 13-0109	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,547.06	75.66
07 72 39 13-0110	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,629.46	75.66
07 72 39 13-0111	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	991.14	75.66
07 72 39 13-0112	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,073.55	75.66
07 72 39 13-0113	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,167.02	75.66
07 72 39 13-0114	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,237.12	75.66
07 72 39 13-0115	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,320.76	75.66
07 72 39 13-0116	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,401.93	75.66
07 72 39 13-0117	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,484.33	75.66
07 72 39 13-0118	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,566.74	75.66
07 72 39 13-0119	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,649.14	75.66
07 72 39 13-0120	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,730.31	75.66
07 72 39 13-0121	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,812.72	75.66
07 72 39 13-0122	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,895.12	75.66
07 72 39 13-0123	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	988.99	75.66
07 72 39 13-0124	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,081.44	81.83
07 72 39 13-0125	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,174.91	81.83
07 72 39 13-0126	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,245.01	81.83
07 72 39 13-0127	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,328.65	81.83
07 72 39 13-0128	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,409.82	81.83
07 72 39 13-0129	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,492.22	81.83
07 72 39 13-0130	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,574.63	81.83
07 72 39 13-0131	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,657.03	81.83
07 72 39 13-0132	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,738.20	81.83
07 72 39 13-0133	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,820.61	81.83
07 72 39 13-0134	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,903.01	81.83
07 72 39 13-0135	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,264.69	81.83
07 72 39 13-0136	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,347.09	81.83
07 72 39 13-0137	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,440.57	81.83
07 72 39 13-0138	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,510.67	81.83
07 72 39 13-0139	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,594.30	81.83
07 72 39 13-0140	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,675.48	81.83
07 72 39 13-0141	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,757.88	81.83
07 72 39 13-0142	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,840.28	81.83
07 72 39 13-0143	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,922.69	81.83
07 72 39 13-0144	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,003.86	81.83
07 72 39 13-0145	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,086.26	81.83
07 72 39 13-0146	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,168.67	81.83

07 72 39 13-0147 Third Round Copper Roof Dormer Vent (07 72 39 13-0001)

07 72 39 13-0148 EA 36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....474.78 67.94

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 72 39 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	557.18	67.94
07 72 39 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	650.65	67.94
07 72 39 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	720.76	67.94
07 72 39 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	804.39	67.94
07 72 39 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	885.56	67.94
07 72 39 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	967.97	67.94
07 72 39 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,050.37	67.94
07 72 39 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,132.77	67.94
07 72 39 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,213.95	67.94
07 72 39 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,296.35	67.94
07 72 39 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,378.75	67.94
07 72 39 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	629.74	67.94
07 72 39 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	712.15	67.94
07 72 39 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	805.62	67.94
07 72 39 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	875.72	67.94
07 72 39 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	959.36	67.94
07 72 39 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,040.53	67.94
07 72 39 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,122.93	67.94
07 72 39 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,205.34	67.94
07 72 39 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,287.74	67.94
07 72 39 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,368.91	67.94
07 72 39 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,451.32	67.94
07 72 39 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,533.72	67.94
07 72 39 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	541.20	75.66
07 72 39 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	623.60	75.66
07 72 39 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	717.07	75.66
07 72 39 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	787.18	75.66
07 72 39 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	870.81	75.66
07 72 39 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	951.98	75.66
07 72 39 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,034.39	75.66
07 72 39 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,116.79	75.66
07 72 39 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,199.19	75.66
07 72 39 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,280.37	75.66
07 72 39 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,362.77	75.66
07 72 39 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,445.17	75.66
07 72 39 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	696.16	75.66
07 72 39 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	778.57	75.66
07 72 39 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	872.04	75.66
07 72 39 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	942.14	75.66
07 72 39 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,025.78	75.66
07 72 39 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,106.95	75.66
07 72 39 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,189.35	75.66
07 72 39 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,271.76	75.66
07 72 39 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,354.16	75.66
07 72 39 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,435.33	75.66
07 72 39 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,517.74	75.66
07 72 39 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,600.14	75.66
07 72 39 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	696.89	75.66
07 72 39 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	789.33	81.83
07 72 39 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	882.81	81.83
07 72 39 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	952.91	81.83
07 72 39 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,036.54	81.83
07 72 39 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,117.72	81.83
07 72 39 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,200.12	81.83
07 72 39 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,282.52	81.83
07 72 39 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,364.93	81.83
07 72 39 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,446.10	81.83
07 72 39 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,528.50	81.83
07 72 39 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,610.91	81.83
07 72 39 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	861.90	81.83
07 72 39 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	944.30	81.83
07 72 39 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,037.77	81.83
07 72 39 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,107.88	81.83
07 72 39 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,191.51	81.83
07 72 39 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,272.68	81.83
07 72 39 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,355.09	81.83
07 72 39 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,437.49	81.83
07 72 39 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,519.89	81.83
07 72 39 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,601.07	81.83
07 72 39 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,683.47	81.83
07 72 39 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,765.87	81.83

07 72 46 Roof Walkways (07 72)

07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	8.07	1.78
		<i>For Diamond Surface, Add</i>	0.77	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	9.02	2.13
		<i>For Diamond Surface, Add</i>	0.90	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	9.98	2.13
		<i>For Diamond Surface, Add</i>	1.00	

07 72 53 Snow Guards (07 72)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 53 00-0001	Snow Guards For Shingle And Tile Roofs (07 72 53)		
07 72 53 00-0002	EA 6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	16.49	1.80
07 72 53 00-0003	EA 6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	18.11	1.80
07 72 53 00-0004	EA 6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	17.04	1.80
07 72 53 00-0005	EA 6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	9.55	1.80
07 72 53 00-0006	Snow Guards For Metal Roofs (07 72 53)		
	Note: Aluminum construction.		
07 72 53 00-0007	EA Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	19.98	2.76
07 72 53 00-0008	EA Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	22.53	2.76
07 72 53 00-0009	EA Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	34.59	2.76
07 72 53 00-0010	EA Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	34.04	2.76
07 72 53 00-0011	EA Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	31.34	3.22
07 72 53 00-0012	EA Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	34.55	3.22
07 72 53 00-0013	EA Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	43.97	3.22
07 72 53 00-0014	EA Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	17.46	2.41
	<i>For Mechanically Fastened, Add</i>		
		4.83	
07 72 53 00-0015	EA Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	20.10	2.41
	<i>For Mechanically Fastened, Add</i>		
		4.83	
07 72 53 00-0016	EA Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	29.10	2.41
	<i>For Mechanically Fastened, Add</i>		
		4.83	
07 72 53 00-0017	EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15).....	8.41	2.41
	Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
	<i>For Mechanically Fastened, Add</i>		
		6.43	
07 72 53 00-0018	Pipe Style, Snow Guards For Metal Roofs (07 72 53)		
07 72 53 00-0019	Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0018)		
	Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0020	EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	44.01	9.65
07 72 53 00-0021	EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	53.53	9.65
07 72 53 00-0022	EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	61.13	9.65
07 72 53 00-0023	EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	77.49	9.65
07 72 53 00-0024	EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	78.88	11.58
07 72 53 00-0025	Tubing For Snow Guard Clamps (07 72 53 00-0018)		
07 72 53 00-0026	LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	8.89	2.31
	Note: Includes end caps, collars and couplings.		
07 72 53 00-0027	LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	18.99	2.31
	Note: Includes end caps, collars and couplings.		
07 72 56	Snow/Ice Melt (07 72)		
07 72 56 00-0001	Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002	LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	11.73	0.82
	Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	12.62	0.82
	Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	175.02	62.03
07 72 56 00-0005	EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	133.85	45.49
07 72 56 00-0006	EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	6.50	2.48
	<i>For >5, Deduct</i>		
		-0.50	
07 72 56 00-0007	EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	6.10	2.48
	<i>For >5, Deduct</i>		
		-0.46	
07 72 56 00-0008	EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	45.01	6.21
07 72 56 00-0009	EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	738.39	49.62
07 72 56 00-0010	EA Automatic Gutter Ice Melting Control.....	1,014.01	62.03
07 72 63	Waste Containment Assemblies (07 72)		
07 72 63 00-0001	Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002	Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	2,086.78	143.74
07 72 63 00-0004	EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	2,340.28	143.74
07 72 63 00-0005	EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,883.49	149.49
07 72 63 00-0006	EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,869.00	149.49
07 72 63 00-0007	EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	3,763.48	161.71
07 72 63 00-0008	EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,919.43	161.71
07 72 63 00-0009	EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	3,248.35	191.60

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....		4,804.88	239.54
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....		5,993.06	239.54
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....		7,623.18	239.54
07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)					
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....		2,582.98	143.74
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....		2,912.65	143.74
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....		3,611.62	149.49
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....		3,676.84	149.49
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....		5,274.07	161.71
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....		5,792.09	161.71
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....		5,363.90	191.60
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....		6,029.28	239.54
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....		7,576.09	239.54
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....		9,695.25	239.54
07 72 63 00-0024 Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63)					
Note: Includes removing old filters and installing new filters.					
07 72 63 00-0025 Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)					
07 72 63 00-0026 Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)					
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....		173.67	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....		246.13	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....		354.79	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....		325.76	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....		615.57	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....		622.80	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....		477.85	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....		622.76	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....		916.18	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....		1,209.60	
07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)					
07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)					
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....		365.57	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....		488.75	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....		713.34	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....		662.57	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....		1,282.02	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....		1,289.25	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....		952.31	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....		1,289.21	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....		1,894.16	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....		2,524.48	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0049	Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0050	SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	456.14	
07 72 63 00-0051	SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	568.44	
07 72 63 00-0052	SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	836.50	
07 72 63 00-0053	SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	789.36	
07 72 63 00-0054	SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	1,546.45	
07 72 63 00-0055	SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	1,539.22	
07 72 63 00-0056	SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,118.95	
07 72 63 00-0057	SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	1,553.64	
07 72 63 00-0058	SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	2,183.96	
07 72 63 00-0059	SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	3,042.50	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0003	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied.....	2.60	0.36
	<i>For No Adhesive, Deduct</i>	-0.60	
07 73 00 00-0004	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied.....	2.95	0.39
	<i>For No Adhesive, Deduct</i>	-0.62	
07 73 00 00-0005	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied.....	3.10	0.43
	<i>For No Adhesive, Deduct</i>	-0.63	
07 73 00 00-0006	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	2.65	0.36
	<i>For No Adhesive, Deduct</i>	-0.60	
07 73 00 00-0007	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	3.01	0.39
	<i>For No Adhesive, Deduct</i>	-0.62	
07 73 00 00-0008	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied.....	3.16	0.43
	<i>For No Adhesive, Deduct</i>	-0.63	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0010	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	2.49	0.36
07 73 00 00-0011	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	2.84	0.39
07 73 00 00-0012	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.01	0.43
07 73 00 00-0013	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	2.53	0.36
07 73 00 00-0014	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	2.90	0.39
07 73 00 00-0015	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.07	0.43

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	2.44	0.36
	<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.74	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.39	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 73 Roof Protection Board

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	2.78	0.39
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.44	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	2.93	0.43
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.47	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	2.48	0.36
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.74	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.39	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	2.84	0.39
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.79	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.44	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	2.99	0.43
		<i>For Mechanically Fastened To Concrete, Add</i>	0.96	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.28	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.82	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.59	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.68	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.47	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.39	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	10.02	4.62
		<i>For 1-1/2" Thickness, Deduct</i>	-1.00	
		<i>For 2-1/2" Thickness, Add</i>	1.20	
		<i>For 3" Thickness, Add</i>	2.40	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	9.11	3.48
		<i>For 1-1/2" Thickness, Deduct</i>	-0.91	
		<i>For 2-1/2" Thickness, Add</i>	1.10	
		<i>For 3" Thickness, Add</i>	2.20	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	8.54	2.77
		<i>For 1-1/2" Thickness, Deduct</i>	-0.85	
		<i>For 2-1/2" Thickness, Add</i>	1.03	
		<i>For 3" Thickness, Add</i>	2.07	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	8.15	2.41
		<i>For 1-1/2" Thickness, Deduct</i>	-0.82	
		<i>For 2-1/2" Thickness, Add</i>	0.98	
		<i>For 3" Thickness, Add</i>	1.97	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver.....	7.70	2.20
		<i>For 1-1/2" Thickness, Deduct</i>	-0.77	
		<i>For 2-1/2" Thickness, Add</i>	0.93	
		<i>For 3" Thickness, Add</i>	1.86	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	17.17	0.71
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	17.89	0.71
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	18.61	0.71
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	9.66	0.71
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	8.23	0.71
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	8.45	0.71
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	4.80	0.71
		Note: Used with High Tab and Elevator pedestals.		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	6.16	0.71
Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.				

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	4.01	
		<i>For 20 Year Warranty, Deduct</i>	-0.25	
		<i>For 15 Year Warranty, Deduct</i>	-0.50	
		<i>For 10 Year Warranty, Deduct</i>	-0.68	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	5.26	
		<i>For 20 Year Warranty, Deduct</i>	-0.36	
		<i>For 15 Year Warranty, Deduct</i>	-0.71	
		<i>For 10 Year Warranty, Deduct</i>	-0.97	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	6.18	
		<i>For 20 Year Warranty, Deduct</i>	-0.41	
		<i>For 15 Year Warranty, Deduct</i>	-0.83	
		<i>For 10 Year Warranty, Deduct</i>	-1.12	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	7.50	
		<i>For 20 Year Warranty, Deduct</i>	-0.52	
		<i>For 15 Year Warranty, Deduct</i>	-1.04	
		<i>For 10 Year Warranty, Deduct</i>	-1.41	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire and Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001 Monokote Fireproofing (07 81 16)

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	1.64	0.54
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	2.25	0.79

07 81 16 00-0004 Gunite Fireproofing (07 81 16)

07 81 16 00-0005	SF	Fireproofing, Gunite, Non Reinforced, 1" Thick.....	2.85	0.46
07 81 16 00-0006	SF	Fireproofing, Gunite, Reinforced, 1" Thick.....	4.20	0.46

07 81 23 Intumescent Fireproofing (07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	12.03	
		<i>For >10,000, Deduct</i>	-1.16	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	19.37	
		<i>For >10,000, Deduct</i>	-1.89	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	7.79	
		<i>For >10,000, Deduct</i>	-0.73	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	17.34	
		<i>For >10,000, Deduct</i>	-1.68	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	39.34	
		<i>For >10,000, Deduct</i>	-3.88	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	54.17	
		<i>For >10,000, Deduct</i>	-5.36	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	69.03	
		<i>For >10,000, Deduct</i>	-6.84	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	83.89	
		<i>For >10,000, Deduct</i>	-8.32	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	15.80	
		<i>For >10,000, Deduct</i>	-1.53	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	29.41	
		<i>For >10,000, Deduct</i>	-2.89	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	46.73	
		<i>For >10,000, Deduct</i>	-4.62	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	65.28	
		<i>For >10,000, Deduct</i>	-6.47	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....82.60
For >10,000, Deduct -8.20

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)**07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)**

Note: Excludes primer.

07 81 23 00-0020 SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)7.65
For >10,000, Deduct -0.73

07 81 23 00-0021 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)17.48
For >10,000, Deduct -1.71

07 81 23 00-0022 SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)40.14
For >10,000, Deduct -3.97

07 81 23 00-0023 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)55.41
For >10,000, Deduct -5.50

07 81 23 00-0024 SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)70.70
For >10,000, Deduct -7.02

07 81 33 Mineral-Fiber Fireproofing (07 81)**07 81 33 00-0001 Cellulose Fireproofing (07 81 33)**

07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness.....2.10 0.46

07 84 Firestopping (07 80)**07 84 13 Penetration Firestopping (07 84)****07 84 13 16 Penetration Firestopping Devices (07 84 13)****07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)****07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)**

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100)51.16

07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201)70.72

07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401)118.30

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable

Installations (07 84 13 16-0001)

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)98.53

07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)176.30

07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)327.04

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)

07 84 13 16-0011 EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)222.91

07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)205.63

07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)212.19

07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)

07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)31.03 8.00

07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)38.27 8.00

07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)44.79 8.80

07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)72.05 10.00

07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8")373.30 12.00

07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10")483.48 13.20

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022 EA 12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)116.54

Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.

07 84 13 16-0023 EA 15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)123.82

Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.

07 84 13 16-0024 EA 11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)246.55

Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.

07 84 13 16-0025 EA 14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)155.84

Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.

07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)

07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)5.47

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

07 84 13 19 Penetration Firestopping Caulk (07 84 13)

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19)

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA 1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 15.90 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.06		
07 84 13 19-0003	EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 19.72 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.33		
07 84 13 19-0004	EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 19.51 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.24		
07 84 13 19-0005	EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 19.17 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.11		
07 84 13 19-0006	EA 2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 23.03 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.70		
07 84 13 19-0007	EA 2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 22.81 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.62		
07 84 13 19-0008	EA 2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 22.47 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.48		
07 84 13 19-0009	EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 21.94 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.27		
07 84 13 19-0010	EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 21.48 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.08		
07 84 13 19-0011	EA 2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 28.15 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.18		
07 84 13 19-0012	EA 2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 27.94 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.10		
07 84 13 19-0013	EA 2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 27.59 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.96		
07 84 13 19-0014	EA 2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 27.06 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.74		
07 84 13 19-0015	EA 2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 26.61 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.56		
07 84 13 19-0016	EA 2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 25.52 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.13		
07 84 13 19-0017	EA 3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 39.44 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 3.18		
07 84 13 19-0018	EA 3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 35.71 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.68		
07 84 13 19-0019	EA 3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 35.36 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.54		
07 84 13 19-0020	EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 34.82 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.33		
07 84 13 19-0021	EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 34.37 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.15		
07 84 13 19-0022	EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 33.29 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.72		
07 84 13 19-0023	EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 31.89 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.16		
07 84 13 19-0024	EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 54.04 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.86		
07 84 13 19-0025	EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 53.66 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.71		
07 84 13 19-0026	EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 53.04 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.46		
07 84 13 19-0027	EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 52.07 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 5.08		
07 84 13 19-0028	EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 51.25 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.75		
07 84 13 19-0029	EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 44.89 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 2.20		
07 84 13 19-0030	EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 43.50 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.65		
07 84 13 19-0031	EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 41.38 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.80		
07 84 13 19-0032	EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 88.95 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 13.53		
07 84 13 19-0033	EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 88.57 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 13.38		
07 84 13 19-0034	EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 87.95 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 13.13		
07 84 13 19-0035	EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 86.99 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 12.74		
07 84 13 19-0036	EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 86.17 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 12.42		
07 84 13 19-0037	EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 84.22 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 11.64		
07 84 13 19-0038	EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 81.71 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 10.63		
07 84 13 19-0039	EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 77.89 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 9.10		
07 84 13 19-0040	EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 63.52 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 3.36		
07 84 13 19-0041	EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 120.35 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 21.36		
07 84 13 19-0042	EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) 116.53 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 19.84		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	108.86 16.77	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	77.61 4.27	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	155.17 30.57	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	132.45 21.48	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	92.34 5.44	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe**Penetrations** (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	19.18	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	19.10	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	18.99	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.86	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.78	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.67	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.50	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.35	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.21	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.14	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	26.03	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.86	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.72	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	25.34	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.00	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.93	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.82	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.65	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.50	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.13	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.62	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.18	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.10	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.99	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.81	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.63	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.26	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	40.79	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	40.05	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.58	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.50	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.39	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.22	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	61.08	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.70	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	60.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	59.49	
07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	57.98	
07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	77.13	
07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	76.42	
07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	74.91	
07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.63	
07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	93.33	
07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	89.04	
07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.38	

07 84 16 Annular Space Protection (07 84)

07 84 16 00-0001 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0002	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	277.66	
07 84 16 00-0003	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	398.53	
07 84 16 00-0004	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	545.53	

07 84 16 00-0005 Endothermic Mat Wrap Fire Barrier (07 84 16)

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0007 for filling openings.

07 84 16 00-0006	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	40.32	
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07 84 16 00-0007 Firestopping Caulk For Filling Opening (07 84 16)

07 84 16 00-0008	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	157.02	
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07 84 16 00-0009 Firestopping Mortar For Filling Opening (07 84 16)

07 84 16 00-0010	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	147.37	
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07 84 16 00-0011 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)

07 84 16 00-0012	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	31.61	
07 84 16 00-0013	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	33.97	
07 84 16 00-0014	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	36.88	

07 84 16 00-0015 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)

07 84 16 00-0016 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0015)

07 84 16 00-0017	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	27.24	
07 84 16 00-0018	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.31	
07 84 16 00-0019	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	41.88	
07 84 16 00-0020	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	43.46	
07 84 16 00-0021	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	45.03	
07 84 16 00-0022	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	58.11	

07 84 16 00-0023 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0015)

07 84 16 00-0024	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	10.64	
07 84 16 00-0025	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	11.13	
07 84 16 00-0026	EA		Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	10.23	
07 84 16 00-0027	EA		Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	11.16	
07 84 16 00-0028	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	10.80	
07 84 16 00-0029	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	10.29	

07 84 23 Silicone Firestopping Foams (07 84)

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings (07 84 23)

Note: Standard 7" foam depth.

07 84 23 00-0002	EA		2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	33.77	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	85.39	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	156.50	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	245.35	
07 84 23 00-0006	EA		10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	355.92	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	484.33	

07 84 43 Joint Firestopping (07 84)

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)

07 Thermal And Moisture Protection

07 80 Fire and Smoke Protection

07 84 Firestopping

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0002	CLF	1/4" x 1/4"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	333.39	126.01
			<i>For Up To 6 CLF, Add</i>	18.70	
			<i>For >30 CLF, Deduct</i>	-20.74	
07 84 43 00-0003	CLF	1/4" x 3/8"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	389.81	133.89
			<i>For Up To 4 CLF, Add</i>	22.54	
			<i>For >20 CLF, Deduct</i>	-25.59	
07 84 43 00-0004	CLF	1/4" x 1/2"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	430.50	133.89
			<i>For Up To 3 CLF, Add</i>	25.59	
			<i>For >15 CLF, Deduct</i>	-29.66	
07 84 43 00-0005	CLF	3/8" x 3/8"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	450.84	133.89
			<i>For Up To 2.5 CLF, Add</i>	27.12	
			<i>For >13 CLF, Deduct</i>	-31.70	
07 84 43 00-0006	CLF	3/8" x 1/2"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	511.88	133.89
			<i>For Up To 2 CLF, Add</i>	31.70	
			<i>For >10 CLF, Deduct</i>	-37.80	
07 84 43 00-0007	CLF	3/8" x 5/8"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	588.71	141.77
			<i>For Up To 1.5 CLF, Add</i>	37.06	
			<i>For >8 CLF, Deduct</i>	-44.69	
07 84 43 00-0008	CLF	3/8" x 3/4"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	665.43	149.63
			<i>For Up To 1.3 CLF, Add</i>	42.43	
			<i>For >7 CLF, Deduct</i>	-51.58	
07 84 43 00-0009	CLF	1/2" x 1/2"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	609.06	141.77
			<i>For Up To 1.4 CLF, Add</i>	38.59	
			<i>For >7.5 CLF, Deduct</i>	-46.73	
07 84 43 00-0010	CLF	1/2" x 5/8"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	643.17	78.75
			<i>For Up To 1.15 CLF, Add</i>	42.33	
			<i>For >6 CLF, Deduct</i>	-52.50	
07 84 43 00-0011	CLF	1/2" x 3/4"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	819.07	165.40
			<i>For Up To 1 CLF, Add</i>	53.16	
			<i>For >5 CLF, Deduct</i>	-65.37	
07 84 43 00-0012	CLF	1/2" x 7/8"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	916.18	173.26
			<i>For Up To 0.8 CLF, Add</i>	60.05	
			<i>For >4.5 CLF, Deduct</i>	-74.29	
07 84 43 00-0013	CLF	1/2" x 1"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,123.63	236.25
			<i>For Up To 0.75 CLF, Add</i>	72.46	
			<i>For >4 CLF, Deduct</i>	-88.73	
07 84 43 00-0014	CLF	3/4" x 3/4"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,236.47	252.03
			<i>For Up To 0.65 CLF, Add</i>	80.13	
			<i>For >3.5 CLF, Deduct</i>	-98.44	
07 84 43 00-0015	CLF	3/4" x 1"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,260.07	94.51
			<i>For Up To 0.5 CLF, Add</i>	87.42	
			<i>For >2.5 CLF, Deduct</i>	-111.83	
			<i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	146.48	
07 84 43 00-0016	CLF	1" x 1"	Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,821.84	259.88
			<i>For Up To 0.4 CLF, Add</i>	123.64	
			<i>For >2 CLF, Deduct</i>	-156.20	
07 84 43 00-0017	Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) ^(07 84)				
07 84 43 00-0018	CLF	1/4" x 1/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	305.33	70.88
			<i>For Up To 6 CLF, Add</i>	17.58	
			<i>For >30 CLF, Deduct</i>	-19.90	
07 84 43 00-0019	CLF	1/4" x 3/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	351.68	70.88
			<i>For Up To 4 CLF, Add</i>	21.06	
			<i>For >20 CLF, Deduct</i>	-24.54	
07 84 43 00-0020	CLF	1/4" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	405.90	73.24
			<i>For Up To 3 CLF, Add</i>	24.93	
			<i>For >15 CLF, Deduct</i>	-29.56	
07 84 43 00-0021	CLF	3/8" x 3/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	429.07	73.24
			<i>For Up To 2.5 CLF, Add</i>	26.67	
			<i>For >13 CLF, Deduct</i>	-31.88	
07 84 43 00-0022	CLF	3/8" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	498.59	73.24
			<i>For Up To 2 CLF, Add</i>	31.88	
			<i>For >10 CLF, Deduct</i>	-38.83	
07 84 43 00-0023	CLF	3/8" x 5/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	568.11	73.24
			<i>For Up To 1.5 CLF, Add</i>	37.10	
			<i>For >8 CLF, Deduct</i>	-45.79	
07 84 43 00-0024	CLF	3/8" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	645.51	76.39
			<i>For Up To 1.3 CLF, Add</i>	42.70	
			<i>For >7 CLF, Deduct</i>	-53.13	
07 84 43 00-0025	CLF	1/2" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	599.17	76.39
			<i>For Up To 1.4 CLF, Add</i>	39.23	
			<i>For >7.5 CLF, Deduct</i>	-48.50	
07 84 43 00-0026	CLF	1/2" x 5/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	699.74	78.75
			<i>For Up To 1.15 CLF, Add</i>	46.57	
			<i>For >6 CLF, Deduct</i>	-58.16	
07 84 43 00-0027	CLF	1/2" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	792.43	78.75
			<i>For Up To 1 CLF, Add</i>	53.53	
			<i>For >5 CLF, Deduct</i>	-67.43	
07 84 43 00-0028	CLF	1/2" x 7/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	893.00	81.11
			<i>For Up To 0.8 CLF, Add</i>	60.87	
			<i>For >4.5 CLF, Deduct</i>	-77.09	
07 84 43 00-0029	CLF	1/2" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	993.57	84.27
			<i>For Up To 0.75 CLF, Add</i>	68.22	
			<i>For >4 CLF, Deduct</i>	-86.76	
07 84 43 00-0030	CLF	3/4" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,094.14	86.63
			<i>For Up To 0.65 CLF, Add</i>	75.56	
			<i>For >3.5 CLF, Deduct</i>	-96.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 43 00-0031	CLF	3/4" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,395.85 97.60 -125.41	94.51
07 84 43 00-0032	CLF	1" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	1,798.12 126.98 -164.06	104.74

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) (07 84)

07 84 43 00-0034	CLF	1/4" x 1/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	260.59 14.23 -15.43	70.88
07 84 43 00-0035	CLF	1/4" x 3/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	284.56 16.03 -17.82	70.88
07 84 43 00-0036	CLF	1/4" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	316.40 18.22 -20.61	73.24
07 84 43 00-0037	CLF	3/8" x 3/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	328.39 19.12 -21.81	73.24
07 84 43 00-0038	CLF	3/8" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	364.35 21.81 -25.41	73.24
07 84 43 00-0039	CLF	3/8" x 5/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	400.30 24.51 -29.00	73.24
07 84 43 00-0040	CLF	3/8" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	444.14 27.60 -32.99	76.39
07 84 43 00-0041	CLF	1/2" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	420.17 25.80 -30.60	76.39
07 84 43 00-0042	CLF	1/2" x 5/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	476.00 29.79 -35.79	78.75
07 84 43 00-0043	CLF	1/2" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	523.94 33.39 -40.58	78.75
07 84 43 00-0044	CLF	1/2" x 7/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	579.76 37.38 -45.77	81.11
07 84 43 00-0045	CLF	1/2" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	635.58 41.37 -50.96	84.27
07 84 43 00-0046	CLF	3/4" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	691.40 45.36 -56.15	86.63
07 84 43 00-0047	CLF	3/4" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	858.86 57.33 -71.71	94.51
07 84 43 00-0048	CLF	1" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	1,082.14 73.29 -92.46	104.74

07 84 56 Fire Safing (07 84)

07 84 56 13 Fibrous Fire Safing (07 84 56)

07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.					
07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) <i>For Work In Restricted Working Space, Add</i>	8.23 0.93		
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges. <i>For Work In Restricted Working Space, Add</i>	13.77 0.93		
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A) Note: Includes cutting wrap to fit pipe or conduit and sealing edges. <i>For Work In Restricted Working Space, Add</i>	15.10 0.93		

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	13.57	7.47
		<i>For Work In Restricted Working Space, Add</i>	3.00	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	16.53	7.47
		<i>For Work In Restricted Working Space, Add</i>	3.00	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	19.77	7.47
		<i>For Work In Restricted Working Space, Add</i>	3.00	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	23.02	7.47
		<i>For Work In Restricted Working Space, Add</i>	3.00	

07 90 Joint Protection ⁽⁰⁷⁾**07 91 Preformed Joint Seals** ^(07 90)**07 91 23 Backer Rods** ^(07 91)**07 91 23 00-0001 Backer Rods** ^(07 91 23)

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.21	0.36
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.29	0.36
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.40	0.36
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	1.53	0.36
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	1.60	0.43
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	1.71	0.43
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	1.99	0.43
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	2.26	0.50
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	2.59	0.57
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	3.26	0.64
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	5.71	0.80

07 91 26 Joint Fillers ^(07 91)**07 91 26 00-0001 Butyl Rubber Fillers** ^(07 91 26)

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.66	0.43
		<i>For Custom Match Coloring, Add</i>	0.03	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	5.02	1.22
		<i>For Custom Match Coloring, Add</i>	0.12	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	6.09	1.30
		<i>For Custom Match Coloring, Add</i>	0.19	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	6.66	1.37
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	9.00	2.52

07 91 26 00-0007 Closed Cell Neoprene ^(07 91 26)

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	289.29	82.94
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	476.47	119.81
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	374.47	102.70
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	440.84	107.80
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	671.94	165.88
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	777.62	179.67
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	732.76	130.66

07 91 26 00-0015 Closed Cell Polyvinyl Chloride ^(07 91 26)

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	295.10	102.70
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	511.33	165.88
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	389.31	141.58
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	477.64	149.49
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	726.50	229.27
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	858.31	248.81
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,149.30	298.25

07 91 26 00-0023 Silicon RTV Foam Penetration Seal ^(07 91 26)

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	124.73	16.46
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	249.47	32.84
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	372.36	48.80
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	533.96	65.76
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	124.73	16.46
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	372.07	48.66
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	663.24	73.09
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,325.20	145.67
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,551.41	262.97
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,879.97	410.80
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	5,549.50	657.31

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" ^(07 91 26)

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	3.08	0.94
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	3.25	0.94
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	3.43	1.01
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	3.63	1.08
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	3.90	1.15
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	4.10	1.15
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	4.36	1.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal	4.51	1.22
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07 91 33 Expansion Joint Seal Systems (07 91)

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) (07 91 33)

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	64.33	5.01
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	86.73	5.25
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	110.37	5.48
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	136.67	5.73
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	177.99	5.96
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	204.74	6.20
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	237.95	6.44

07 91 33 00-0010 Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)

Note: Includes preformed neoprene joint seal and lubricant adhesive.

07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	31.75	5.01
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	34.83	5.08
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	42.59	5.15
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	45.30	5.25
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	48.54	5.32
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	60.03	5.39
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	74.61	5.48
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	88.61	5.73
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	100.56	5.96

07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF		0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	26.20	5.01
07 91 33 00-0022	LF		0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	34.64	5.25
07 91 33 00-0023	LF		1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	42.95	5.48
07 91 33 00-0024	LF		1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	45.44	5.60
07 91 33 00-0025	LF		1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	50.64	5.73
07 91 33 00-0026	LF		1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	73.70	5.96
07 91 33 00-0027	LF		1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	102.26	6.20

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	24.09	1.98
07 91 33 00-0030	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	40.75	2.07
07 91 33 00-0031	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	61.62	2.15
07 91 33 00-0032	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	77.83	2.23
07 91 33 00-0033	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	102.60	2.30
07 91 33 00-0034	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	135.92	2.38
07 91 33 00-0035	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	166.85	2.46
07 91 33 00-0036	LF		2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	225.23	2.55

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	263.06	2.62
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07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	23.49	1.98
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	31.14	2.07
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	41.96	2.15
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	57.12	2.23
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	65.24	2.30
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	90.75	2.38
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	122.13	2.46
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	131.89	2.55

07 92 Joint Sealants (07 90)**07 92 13 Elastomeric Joint Sealants** (07 92)**07 92 13 00-0001 Silicone Sealants And Caulking** (07 92 13)

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	249.29	70.88
		For Custom Match Coloring, Add	8.80	
		For Up To 6 CLF, Add	13.38	
		For >30 CLF, Deduct	-14.30	
		For 1 Part Mildew Resistant, Add	12.83	
		For High-Modulus Non-Acid Curing, Add	7.33	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	267.62	70.88
		For Custom Match Coloring, Add	13.20	
		For Up To 4 CLF, Add	14.76	
		For >20 CLF, Deduct	-16.13	
		For 1 Part Mildew Resistant, Add	19.24	
		For High-Modulus Non-Acid Curing, Add	11.00	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	293.82	73.24
		For Custom Match Coloring, Add	17.59	
		For Up To 3 CLF, Add	16.52	
		For >15 CLF, Deduct	-18.36	
		For 1 Part Mildew Resistant, Add	25.66	
		For High-Modulus Non-Acid Curing, Add	14.66	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	302.98	73.24
		For Custom Match Coloring, Add	19.79	
		For Up To 2.5 CLF, Add	17.21	
		For >13 CLF, Deduct	-19.27	
		For 1 Part Mildew Resistant, Add	28.86	
		For High-Modulus Non-Acid Curing, Add	16.49	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking.....	330.47	73.24
		For Custom Match Coloring, Add	26.39	
		For Up To 2 CLF, Add	19.27	
		For >10 CLF, Deduct	-22.02	
		For 1 Part Mildew Resistant, Add	38.49	
		For High-Modulus Non-Acid Curing, Add	21.99	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking.....	357.96	73.24
		For Custom Match Coloring, Add	32.99	
		For Up To 1.5 CLF, Add	21.33	
		For >8 CLF, Deduct	-24.77	
		For 1 Part Mildew Resistant, Add	48.11	
		For High-Modulus Non-Acid Curing, Add	27.49	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking.....	393.33	76.39
		For Custom Match Coloring, Add	39.59	
		For Up To 1.3 CLF, Add	23.79	
		For >7 CLF, Deduct	-27.91	
		For 1 Part Mildew Resistant, Add	57.73	
		For High-Modulus Non-Acid Curing, Add	32.99	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking.....	375.01	76.39
		For Custom Match Coloring, Add	35.19	
		For Up To 1.4 CLF, Add	22.42	
		For >7.5 CLF, Deduct	-26.08	
		For 1 Part Mildew Resistant, Add	51.32	
		For High-Modulus Non-Acid Curing, Add	29.32	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking.....	419.54	78.75
		For Custom Match Coloring, Add	43.98	
		For Up To 1.15 CLF, Add	25.56	
		For >6 CLF, Deduct	-30.14	
		For 1 Part Mildew Resistant, Add	64.14	
		For High-Modulus Non-Acid Curing, Add	36.65	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking.....	456.19	78.75
		For Custom Match Coloring, Add	52.78	
		For Up To 1 CLF, Add	28.31	
		For >5 CLF, Deduct	-33.81	
		For 1 Part Mildew Resistant, Add	76.97	
		For High-Modulus Non-Acid Curing, Add	43.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0012			CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking	500.72	81.11
			<i>For Custom Match Coloring, Add</i>	61.58	
			<i>For Up To 0.8 CLF, Add</i>	31.45	
			<i>For >4.5 CLF, Deduct</i>	-37.87	
			<i>For 1 Part Mildew Resistant, Add</i>	89.80	
			<i>For High-Modulus Non-Acid Curing, Add</i>	51.32	
07 92 13 00-0013			CLF 1/2" x 1" Joint, Silicone Sealant And Caulking	545.25	84.27
			<i>For Custom Match Coloring, Add</i>	70.38	
			<i>For Up To 0.75 CLF, Add</i>	34.59	
			<i>For >4 CLF, Deduct</i>	-41.92	
			<i>For 1 Part Mildew Resistant, Add</i>	102.63	
			<i>For High-Modulus Non-Acid Curing, Add</i>	58.65	
07 92 13 00-0014			CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking	589.77	86.63
			<i>For Custom Match Coloring, Add</i>	79.17	
			<i>For Up To 0.65 CLF, Add</i>	37.74	
			<i>For >3.5 CLF, Deduct</i>	-45.98	
			<i>For 1 Part Mildew Resistant, Add</i>	115.46	
			<i>For High-Modulus Non-Acid Curing, Add</i>	65.98	
07 92 13 00-0015			CLF 3/4" x 1" Joint, Silicone Sealant And Caulking	723.37	94.51
			<i>For Custom Match Coloring, Add</i>	105.56	
			<i>For Up To 0.5 CLF, Add</i>	47.16	
			<i>For >2.5 CLF, Deduct</i>	-58.16	
			<i>For 1 Part Mildew Resistant, Add</i>	153.95	
			<i>For High-Modulus Non-Acid Curing, Add</i>	87.97	
07 92 13 00-0016			CLF 1" x 1" Joint, Silicone Sealant And Caulking	901.48	104.74
			<i>For Custom Match Coloring, Add</i>	140.75	
			<i>For Up To 0.4 CLF, Add</i>	59.74	
			<i>For >2 CLF, Deduct</i>	-74.40	
			<i>For 1 Part Mildew Resistant, Add</i>	205.26	
			<i>For High-Modulus Non-Acid Curing, Add</i>	117.29	
07 92 13 00-0017			Acrylic/Latex Sealant And Caulking <small>(07 92 13)</small>		
07 92 13 00-0018			CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	225.50	70.88
			<i>For Up To 6 CLF, Add</i>	11.60	
			<i>For >30 CLF, Deduct</i>	-11.92	
07 92 13 00-0019			CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	231.93	70.88
			<i>For Up To 4 CLF, Add</i>	12.08	
			<i>For >20 CLF, Deduct</i>	-12.56	
07 92 13 00-0020			CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	246.23	73.24
			<i>For Up To 3 CLF, Add</i>	12.95	
			<i>For >15 CLF, Deduct</i>	-13.60	
07 92 13 00-0021			CLF 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	249.44	73.24
			<i>For Up To 2.5 CLF, Add</i>	13.20	
			<i>For >13 CLF, Deduct</i>	-13.92	
07 92 13 00-0022			CLF 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	259.09	73.24
			<i>For Up To 2 CLF, Add</i>	13.92	
			<i>For >10 CLF, Deduct</i>	-14.88	
07 92 13 00-0023			CLF 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	268.73	73.24
			<i>For Up To 1.5 CLF, Add</i>	14.64	
			<i>For >8 CLF, Deduct</i>	-15.85	
07 92 13 00-0024			CLF 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	286.26	76.39
			<i>For Up To 1.3 CLF, Add</i>	15.76	
			<i>For >7 CLF, Deduct</i>	-17.21	
07 92 13 00-0025			CLF 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	279.83	76.39
			<i>For Up To 1.4 CLF, Add</i>	15.28	
			<i>For >7.5 CLF, Deduct</i>	-16.56	
07 92 13 00-0026			CLF 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	300.57	78.75
			<i>For Up To 1.15 CLF, Add</i>	16.64	
			<i>For >6 CLF, Deduct</i>	-18.24	
07 92 13 00-0027			CLF 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	313.43	78.75
			<i>For Up To 1 CLF, Add</i>	17.60	
			<i>For >5 CLF, Deduct</i>	-19.53	
07 92 13 00-0028			CLF 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	334.16	81.11
			<i>For Up To 0.8 CLF, Add</i>	18.96	
			<i>For >4.5 CLF, Deduct</i>	-21.21	
07 92 13 00-0029			CLF 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	354.90	84.27
			<i>For Up To 0.75 CLF, Add</i>	20.32	
			<i>For >4 CLF, Deduct</i>	-22.89	
07 92 13 00-0030			CLF 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	375.62	86.63
			<i>For Up To 0.65 CLF, Add</i>	21.67	
			<i>For >3.5 CLF, Deduct</i>	-24.57	
07 92 13 00-0031			CLF 3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	437.83	94.51
			<i>For Up To 0.5 CLF, Add</i>	25.75	
			<i>For >2.5 CLF, Deduct</i>	-29.61	
07 92 13 00-0032			CLF 1" x 1" Joint, Acrylic/Latex Sealant And Caulking	520.77	104.74
			<i>For Up To 0.4 CLF, Add</i>	31.18	
			<i>For >2 CLF, Deduct</i>	-36.33	
07 92 13 00-0033			Polyurethane Sealant And Caulking <small>(07 92 13)</small>		
			<i>Note: 1 or 2 part, non-sag.</i>		
07 92 13 00-0034			CLF 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	240.75	70.88
			<i>For Up To 6 CLF, Add</i>	12.74	
			<i>For >30 CLF, Deduct</i>	-13.44	
07 92 13 00-0035			CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	254.81	70.88
			<i>For Up To 4 CLF, Add</i>	13.79	
			<i>For >20 CLF, Deduct</i>	-14.85	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 92 13 00-0036	CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	276.73 15.24 -16.65	73.24
07 92 13 00-0037	CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	283.76 15.77 -17.35	73.24
07 92 13 00-0038	CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	304.85 17.35 -19.46	73.24
07 92 13 00-0039	CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	325.93 18.93 -21.57	73.24
07 92 13 00-0040	CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	354.90 20.91 -24.07	76.39
07 92 13 00-0041	CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	340.84 19.85 -22.66	76.39
07 92 13 00-0042	CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	376.83 22.36 -25.87	78.75
07 92 13 00-0043	CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	404.94 24.46 -28.68	78.75
07 92 13 00-0044	CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	440.93 26.97 -31.89	81.11
07 92 13 00-0045	CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	476.92 29.47 -35.09	84.27
07 92 13 00-0046	CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	512.90 31.97 -38.30	86.63
07 92 13 00-0047	CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking..... <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	620.87 39.48 -47.91	94.51
07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)			
Note: 1 or 2 part, non-sag.			
07 92 13 00-0049	CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	243.42 12.94 -13.71	70.88
07 92 13 00-0050	CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	258.82 14.10 -15.25	70.88
07 92 13 00-0051	CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	282.08 15.64 -17.18	73.24
07 92 13 00-0052	CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	289.78 16.22 -17.95	73.24
07 92 13 00-0053	CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	312.88 17.95 -20.26	73.24
07 92 13 00-0054	CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	335.96 19.68 -22.57	73.24
07 92 13 00-0055	CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	366.93 21.81 -25.27	76.39
07 92 13 00-0056	CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	351.54 20.66 -23.73	76.39
07 92 13 00-0057	CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	390.21 23.36 -27.21	78.75
07 92 13 00-0058	CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	420.99 25.67 -30.29	78.75
07 92 13 00-0059	CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	459.66 28.37 -33.76	81.11
07 92 13 00-0060	CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	498.31 31.07 -37.23	84.27
07 92 13 00-0061	CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	536.98 33.78 -40.70	86.63
07 92 13 00-0062	CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	652.96 41.88 -51.12	94.51
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13)			
Note: 1 or 2 part, non-sag.			
07 92 13 00-0064	CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	249.95 13.43 -14.36	70.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	268.61	70.88
		For Up To 4 CLF, Add	.....	14.83	
		For >20 CLF, Deduct	.....	-16.23	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	295.13	73.24
		For Up To 3 CLF, Add	.....	16.62	
		For >15 CLF, Deduct	.....	-18.49	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	304.46	73.24
		For Up To 2.5 CLF, Add	.....	17.32	
		For >13 CLF, Deduct	.....	-19.42	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	332.44	73.24
		For Up To 2 CLF, Add	.....	19.42	
		For >10 CLF, Deduct	.....	-22.22	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	360.43	73.24
		For Up To 1.5 CLF, Add	.....	21.52	
		For >8 CLF, Deduct	.....	-25.02	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	396.29	76.39
		For Up To 1.3 CLF, Add	.....	24.01	
		For >7 CLF, Deduct	.....	-28.21	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	377.63	76.39
		For Up To 1.4 CLF, Add	.....	22.61	
		For >7.5 CLF, Deduct	.....	-26.34	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	422.82	78.75
		For Up To 1.15 CLF, Add	.....	25.80	
		For >6 CLF, Deduct	.....	-30.47	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	460.14	78.75
		For Up To 1 CLF, Add	.....	28.60	
		For >5 CLF, Deduct	.....	-34.20	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	505.32	81.11
		For Up To 0.8 CLF, Add	.....	31.80	
		For >4.5 CLF, Deduct	.....	-38.33	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	550.51	84.27
		For Up To 0.75 CLF, Add	.....	34.99	
		For >4 CLF, Deduct	.....	-42.45	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	595.69	86.63
		For Up To 0.65 CLF, Add	.....	38.18	
		For >3.5 CLF, Deduct	.....	-46.57	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	731.25	94.51
		For Up To 0.5 CLF, Add	.....	47.76	
		For >2.5 CLF, Deduct	.....	-58.95	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	.....	52.50	4.95
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, Bronze Expansion Joint Cover	.....	63.19	4.95
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	.....	70.99	4.95

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	.....	67.90	4.95
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	.....	77.02	4.95
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	.....	95.65	4.95

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 95 13 13-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	.....	37.09	4.95
07 95 13 13-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	.....	49.36	4.95
07 95 13 13-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	.....	58.67	4.95

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 95 13 13-0016	LF	Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	.....	46.34	4.95
07 95 13 13-0017	LF	Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	.....	56.27	4.95
07 95 13 13-0018	LF	Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	.....	70.99	4.95

07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)

07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	.....	64.03	3.29
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	.....	76.99	3.29
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	.....	85.92	3.29

07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)

07 95 13 16-0007	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	48.07	3.29
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07 Thermal And Moisture Protection**07 90 Joint Protection****07 95 Expansion Control**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 95 13 16-0008	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	63.94	3.29
07 95 13 16-0009		Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	35.95	3.29
07 95 13 16-0011	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	45.47	3.29
07 95 13 16-0012	LF	Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	56.96	3.29
07 95 13 16-0013		Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014	LF	Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	34.03	3.29
07 95 13 16-0015	LF	Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	40.38	3.29
07 95 13 16-0016	LF	Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	58.22	3.29

END OF SECTION 07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation and Maintenance of Openings (08)

08 01 50 Operation and Maintenance of Windows (08 01)

08 01 51 Operation and Maintenance of Metal Windows (08 01 50)

08 01 51 00-0001 Window Restoration And Replacement (08 01 51)

08 01 51 00-0002	EA	Removal And Replacement Of Window Balance, Removable Sash Aluminum Window	19.63
Note: Channel, spiral or coil balance.			

08 01 52 Operation and Maintenance of Wood Windows (08 01 50)

08 01 52 61 Wood Window Repairs (08 01 52)

08 01 52 61-0001 Window Restoration And Replacement (08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Window Arms	24.58
08 01 52 61-0003	EA	Removal And Replacement Of Window Crank Operator	28.94
08 01 52 61-0004	EA	Removal And Replacement Of Brass Window Sash Pull	17.10
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Lock	15.46
08 01 52 61-0006	EA	Removal And Replacement Of Sash Guides	8.75
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	19.63
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing	59.02
Note: Channel, spiral or coil balance.			
For Replacing Two Balances In One Window, Deduct			-21.75

08 01 80 Maintenance of Glazing (08 01)

08 01 81 Maintenance of Glass Glazing (08 01 80)

08 01 81 00-0001 Glazing Compound Repair (08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	3.91
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08 05 Common Work Results for Openings (08)

08 05 13 Door Options and Modifications (08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) (08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	101.18
For 9/16" To 1-1/16" Glazing Pocket, Add			50.59
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	128.08
For 9/16" To 1-1/16" Glazing Pocket, Add			64.04
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	148.57
For 9/16" To 1-1/16" Glazing Pocket, Add			74.29
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	189.56
For 9/16" To 1-1/16" Glazing Pocket, Add			94.78
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	245.92
For 9/16" To 1-1/16" Glazing Pocket, Add			122.96
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	313.80
For 9/16" To 1-1/16" Glazing Pocket, Add			156.90
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	333.01
For 9/16" To 1-1/16" Glazing Pocket, Add			166.51
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	170.79
For 9/16" To 1-1/16" Glazing Pocket, Add			46.00
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	203.13
For 9/16" To 1-1/16" Glazing Pocket, Add			58.22
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	229.63
For 9/16" To 1-1/16" Glazing Pocket, Add			67.54
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	274.77
For 9/16" To 1-1/16" Glazing Pocket, Add			86.17
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	333.89
For 9/16" To 1-1/16" Glazing Pocket, Add			111.78
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	403.47
For 9/16" To 1-1/16" Glazing Pocket, Add			142.64

08 Openings**08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add.....	428.82
		For 9/16" To 1-1/16" Glazing Pocket, Add.....	151.37
08 05 13 00-0016		Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) <small>(08 05 13)</small>	
		Note: Factory primed or powder coated.	
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	96.89
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	110.07
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	149.63
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	279.02
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	345.09
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	412.22
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	537.96
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	633.28
		For 18 Gauge Louver And 18 Gauge Frame, Add.....	75.99
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	155.99
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	175.08
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	220.55
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	355.85
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	427.83
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	500.87
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	632.52
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	731.78
		For 18 Gauge Louver And 18 Gauge Frame, Add.....	75.99
08 05 13 00-0033		Fire Rated Fusible Link Louvers (Pemko LV-FL) <small>(08 05 13)</small>	
		Note: Factory primed or powder coated.	
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	196.28
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	224.61
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	263.85
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	267.20
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	303.41
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	348.96
08 05 13 00-0040		Door Hardware Preparation <small>(08 05 13)</small>	
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	59.06
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	145.70
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	66.94
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....	118.13
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	19.69
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	216.60
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	137.82
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware.....	145.70
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware.....	66.94
08 05 13 00-0050		Door Modifications <small>(08 05 13)</small>	
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door.....	124.12
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door.....	22.62
		Note: Includes mounting hardware.	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile.....	70.92
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile.....	35.76
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing.....	905.44
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door.....	66.98
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame.....	131.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame.....		79.46	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width		51.65	

08 10 Doors and Frames (08 10)

08 11 Metal Doors and Frames (08 11)

08 11 73 Sliding Metal Fire Doors (08 11)

08 11 73 00-0001 Motor Operated Fire Door (08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....		3,739.52	412.10
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....		4,041.15	412.10
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		4,550.85	412.10
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		5,099.85	412.10

08 12 Metal Frames (08 12)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		282.67	59.10
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		24.87	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		19.74	
		<i>For Baked Enamel Finish, Add</i>		67.07	
		<i>For 18 Gauge Frame, Deduct</i>		-16.45	
		<i>For 14 Gauge Frame, Add</i>		41.12	
		<i>For 12 Gauge Frame, Add</i>		62.50	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....		325.82	65.01
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		29.37	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		23.50	
		<i>For Baked Enamel Finish, Add</i>		78.24	
		<i>For 18 Gauge Frame, Deduct</i>		-19.58	
		<i>For 14 Gauge Frame, Add</i>		48.95	
		<i>For 12 Gauge Frame, Add</i>		74.40	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....		336.84	68.95
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		29.84	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		23.87	
		<i>For Baked Enamel Finish, Add</i>		80.37	
		<i>For 18 Gauge Frame, Deduct</i>		-19.89	
		<i>For 14 Gauge Frame, Add</i>		49.73	
		<i>For 12 Gauge Frame, Add</i>		75.59	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....		348.65	74.86
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		29.84	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		23.87	
		<i>For Baked Enamel Finish, Add</i>		82.14	
		<i>For 18 Gauge Frame, Deduct</i>		-19.89	
		<i>For 14 Gauge Frame, Add</i>		49.73	
		<i>For 12 Gauge Frame, Add</i>		75.59	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....		355.72	76.83
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		30.31	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		24.25	
		<i>For Baked Enamel Finish, Add</i>		83.67	
		<i>For 18 Gauge Frame, Deduct</i>		-20.21	
		<i>For 14 Gauge Frame, Add</i>		50.52	
		<i>For 12 Gauge Frame, Add</i>		76.78	
		<i>For Type 304 Stainless Steel Frame, Add</i>		371.39	
		<i>For Type 316 Stainless Steel Frame, Add</i>		432.01	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		362.81	78.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		30.78	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		24.62	
		<i>For Baked Enamel Finish, Add</i>		85.20	
		<i>For 18 Gauge Frame, Deduct</i>		-20.52	
		<i>For 14 Gauge Frame, Add</i>		51.30	
		<i>For 12 Gauge Frame, Add</i>		77.98	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....		384.77	82.74
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		32.89	
		<i>For Welded Frames, Add</i>		95.88	
		<i>For Galvanized Frames, Add</i>		26.31	
		<i>For Baked Enamel Finish, Add</i>		90.61	
		<i>For 18 Gauge Frame, Deduct</i>		-21.93	
		<i>For 14 Gauge Frame, Add</i>		54.82	
		<i>For 12 Gauge Frame, Add</i>		83.33	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0010	EA 3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	392.65	86.69
	For Auxiliary Frame Reinforcement For Hinges, Add	32.89	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.31	
	For Baked Enamel Finish, Add	91.79	
	For 18 Gauge Frame, Deduct	-21.93	
	For 14 Gauge Frame, Add	54.82	
	For 12 Gauge Frame, Add	83.33	
08 12 13 13-0011	EA 4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	408.37	90.62
	For Auxiliary Frame Reinforcement For Hinges, Add	34.07	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	27.25	
	For Baked Enamel Finish, Add	95.32	
	For 18 Gauge Frame, Deduct	-22.71	
	For 14 Gauge Frame, Add	56.78	
	For 12 Gauge Frame, Add	86.31	
08 12 13 13-0012	EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	424.09	94.56
	For Auxiliary Frame Reinforcement For Hinges, Add	35.24	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	28.20	
	For Baked Enamel Finish, Add	98.86	
	For 18 Gauge Frame, Deduct	-23.50	
	For 14 Gauge Frame, Add	58.74	
	For 12 Gauge Frame, Add	89.28	
08 12 13 13-0013	EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	431.96	98.50
	For Auxiliary Frame Reinforcement For Hinges, Add	35.24	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	28.20	
	For Baked Enamel Finish, Add	100.04	
	For 18 Gauge Frame, Deduct	-23.50	
	For 14 Gauge Frame, Add	58.74	
	For 12 Gauge Frame, Add	89.28	
08 12 13 13-0014	EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	439.81	100.47
	For Auxiliary Frame Reinforcement For Hinges, Add	35.83	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	28.66	
	For Baked Enamel Finish, Add	101.80	
	For 18 Gauge Frame, Deduct	-23.89	
	For 14 Gauge Frame, Add	59.72	
	For 12 Gauge Frame, Add	90.77	
	For Type 304 Stainless Steel Frame, Add	440.01	
	For Type 316 Stainless Steel Frame, Add	511.67	
08 12 13 13-0015	EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	447.68	102.44
	For Auxiliary Frame Reinforcement For Hinges, Add	36.42	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	29.13	
	For Baked Enamel Finish, Add	103.57	
	For 18 Gauge Frame, Deduct	-24.28	
	For 14 Gauge Frame, Add	60.70	
	For 12 Gauge Frame, Add	92.26	
08 12 13 13-0016	EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	467.28	104.41
	For Auxiliary Frame Reinforcement For Hinges, Add	38.77	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	31.01	
	For Baked Enamel Finish, Add	108.86	
	For 18 Gauge Frame, Deduct	-25.85	
	For 14 Gauge Frame, Add	64.61	
	For 12 Gauge Frame, Add	98.21	
08 12 13 13-0017	EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	486.89	106.38
	For Auxiliary Frame Reinforcement For Hinges, Add	41.12	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	32.89	
	For Baked Enamel Finish, Add	114.15	
	For 18 Gauge Frame, Deduct	-27.41	
	For 14 Gauge Frame, Add	68.53	
	For 12 Gauge Frame, Add	104.17	
08 12 13 13-0018	>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0019	EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	300.94	59.10
	For Auxiliary Frame Reinforcement For Hinges, Add	27.41	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	21.93	
	For Baked Enamel Finish, Add	72.55	
	For 18 Gauge Frame, Deduct	-18.27	
	For 14 Gauge Frame, Add	45.69	
	For 12 Gauge Frame, Add	69.44	
08 12 13 13-0020	EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	347.57	65.01
	For Auxiliary Frame Reinforcement For Hinges, Add	32.63	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.11	
	For Baked Enamel Finish, Add	84.77	
	For 18 Gauge Frame, Deduct	-21.76	
	For 14 Gauge Frame, Add	54.39	
	For 12 Gauge Frame, Add	82.67	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0021 EA 2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	358.94	68.95
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Baked Enamel Finish, Add	87.00	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0022 EA 2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	370.75	74.86
For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.52	
For Baked Enamel Finish, Add	88.77	
For 18 Gauge Frame, Deduct	-22.10	
For 14 Gauge Frame, Add	55.26	
For 12 Gauge Frame, Add	83.99	
08 12 13 13-0023 EA 2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	378.17	76.83
For Auxiliary Frame Reinforcement For Hinges, Add	33.68	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	26.94	
For Baked Enamel Finish, Add	90.40	
For 18 Gauge Frame, Deduct	-22.45	
For 14 Gauge Frame, Add	56.13	
For 12 Gauge Frame, Add	85.31	
For Type 304 Stainless Steel Frame, Add	411.80	
For Type 316 Stainless Steel Frame, Add	479.15	
08 12 13 13-0024 EA 3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	385.61	78.80
For Auxiliary Frame Reinforcement For Hinges, Add	34.20	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	27.36	
For Baked Enamel Finish, Add	92.04	
For 18 Gauge Frame, Deduct	-22.80	
For 14 Gauge Frame, Add	57.00	
For 12 Gauge Frame, Add	86.64	
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	409.14	82.74
For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.24	
For Baked Enamel Finish, Add	97.92	
For 18 Gauge Frame, Deduct	-24.37	
For 14 Gauge Frame, Add	60.92	
For 12 Gauge Frame, Add	92.59	
08 12 13 13-0026 EA 3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	417.02	86.69
For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	29.24	
For Baked Enamel Finish, Add	99.10	
For 18 Gauge Frame, Deduct	-24.37	
For 14 Gauge Frame, Add	60.92	
For 12 Gauge Frame, Add	92.59	
08 12 13 13-0027 EA 4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	433.61	90.62
For Auxiliary Frame Reinforcement For Hinges, Add	37.85	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	30.28	
For Baked Enamel Finish, Add	102.90	
For 18 Gauge Frame, Deduct	-25.24	
For 14 Gauge Frame, Add	63.09	
For 12 Gauge Frame, Add	95.90	
08 12 13 13-0028 EA 5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	450.19	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	39.16	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	31.33	
For Baked Enamel Finish, Add	106.69	
For 18 Gauge Frame, Deduct	-26.11	
For 14 Gauge Frame, Add	65.27	
For 12 Gauge Frame, Add	99.20	
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	458.06	98.50
For Auxiliary Frame Reinforcement For Hinges, Add	39.16	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	31.33	
For Baked Enamel Finish, Add	107.87	
For 18 Gauge Frame, Deduct	-26.11	
For 14 Gauge Frame, Add	65.27	
For 12 Gauge Frame, Add	99.20	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	466.35	100.47
For Auxiliary Frame Reinforcement For Hinges, Add	39.81	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	31.85	
For Baked Enamel Finish, Add	109.76	
For 18 Gauge Frame, Deduct	-26.54	
For 14 Gauge Frame, Add	66.35	
For 12 Gauge Frame, Add	100.86	
For Type 304 Stainless Steel Frame, Add	487.79	
For Type 316 Stainless Steel Frame, Add	567.41	
08 12 13 13-0031 EA 6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.66	102.44
For Auxiliary Frame Reinforcement For Hinges, Add	40.47	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	32.37	
For Baked Enamel Finish, Add	111.66	
For 18 Gauge Frame, Deduct	-26.98	
For 14 Gauge Frame, Add	67.44	
For 12 Gauge Frame, Add	102.51	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0032	EA 7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	496.00	104.41
	For Auxiliary Frame Reinforcement For Hinges, Add	43.08	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	34.46	
	For Baked Enamel Finish, Add	117.48	
	For 18 Gauge Frame, Deduct	-28.72	
	For 14 Gauge Frame, Add	71.79	
	For 12 Gauge Frame, Add	109.12	
08 12 13 13-0033	EA 8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	517.34	106.38
	For Auxiliary Frame Reinforcement For Hinges, Add	45.69	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	36.55	
	For Baked Enamel Finish, Add	123.29	
	For 18 Gauge Frame, Deduct	-30.46	
	For 14 Gauge Frame, Add	76.14	
	For 12 Gauge Frame, Add	115.74	
08 12 13 13-0034	5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
	Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035	6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	300.94	59.10
	For Auxiliary Frame Reinforcement For Hinges, Add	27.41	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	21.93	
	For Baked Enamel Finish, Add	72.55	
	For 18 Gauge Frame, Deduct	-18.27	
	For 14 Gauge Frame, Add	45.69	
	For 12 Gauge Frame, Add	69.44	
08 12 13 13-0037	EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	347.57	65.01
	For Auxiliary Frame Reinforcement For Hinges, Add	32.63	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.11	
	For Baked Enamel Finish, Add	84.77	
	For 18 Gauge Frame, Deduct	-21.76	
	For 14 Gauge Frame, Add	54.39	
	For 12 Gauge Frame, Add	82.67	
08 12 13 13-0038	EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	358.94	68.95
	For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.52	
	For Baked Enamel Finish, Add	87.00	
	For 18 Gauge Frame, Deduct	-22.10	
	For 14 Gauge Frame, Add	55.26	
	For 12 Gauge Frame, Add	83.99	
08 12 13 13-0039	EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	370.75	74.86
	For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.52	
	For Baked Enamel Finish, Add	88.77	
	For 18 Gauge Frame, Deduct	-22.10	
	For 14 Gauge Frame, Add	55.26	
	For 12 Gauge Frame, Add	83.99	
08 12 13 13-0040	EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	378.17	76.83
	For Auxiliary Frame Reinforcement For Hinges, Add	33.68	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	26.94	
	For Baked Enamel Finish, Add	90.40	
	For 18 Gauge Frame, Deduct	-22.45	
	For 14 Gauge Frame, Add	56.13	
	For 12 Gauge Frame, Add	85.31	
	For Type 304 Stainless Steel Frame, Add	411.80	
	For Type 316 Stainless Steel Frame, Add	479.15	
08 12 13 13-0041	EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	385.60	78.80
	For Auxiliary Frame Reinforcement For Hinges, Add	34.20	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	27.36	
	For Baked Enamel Finish, Add	92.04	
	For 18 Gauge Frame, Deduct	-22.80	
	For 14 Gauge Frame, Add	57.00	
	For 12 Gauge Frame, Add	86.64	
08 12 13 13-0042	EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	409.14	82.74
	For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	29.24	
	For Baked Enamel Finish, Add	97.92	
	For 18 Gauge Frame, Deduct	-24.37	
	For 14 Gauge Frame, Add	60.92	
	For 12 Gauge Frame, Add	92.59	
08 12 13 13-0043	EA 3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	417.02	86.69
	For Auxiliary Frame Reinforcement For Hinges, Add	36.55	
	For Welded Frames, Add	95.88	
	For Galvanized Frames, Add	29.24	
	For Baked Enamel Finish, Add	99.10	
	For 18 Gauge Frame, Deduct	-24.37	
	For 14 Gauge Frame, Add	60.92	
	For 12 Gauge Frame, Add	92.59	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	433.61	90.62
		For Auxiliary Frame Reinforcement For Hinges, Add	37.85	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	30.28	
		For Baked Enamel Finish, Add	102.90	
		For 18 Gauge Frame, Deduct	-25.24	
		For 14 Gauge Frame, Add	63.09	
		For 12 Gauge Frame, Add	95.90	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	450.19	94.56
		For Auxiliary Frame Reinforcement For Hinges, Add	39.16	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	31.33	
		For Baked Enamel Finish, Add	106.69	
		For 18 Gauge Frame, Deduct	-26.11	
		For 14 Gauge Frame, Add	65.27	
		For 12 Gauge Frame, Add	99.20	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	458.06	98.50
		For Auxiliary Frame Reinforcement For Hinges, Add	39.16	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	31.33	
		For Baked Enamel Finish, Add	107.87	
		For 18 Gauge Frame, Deduct	-26.11	
		For 14 Gauge Frame, Add	65.27	
		For 12 Gauge Frame, Add	99.20	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	466.35	100.47
		For Auxiliary Frame Reinforcement For Hinges, Add	39.81	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	31.85	
		For Baked Enamel Finish, Add	109.76	
		For 18 Gauge Frame, Deduct	-26.54	
		For 14 Gauge Frame, Add	66.35	
		For 12 Gauge Frame, Add	100.86	
		For Type 304 Stainless Steel Frame, Add	487.79	
		For Type 316 Stainless Steel Frame, Add	567.41	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.65	102.44
		For Auxiliary Frame Reinforcement For Hinges, Add	40.46	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	32.37	
		For Baked Enamel Finish, Add	111.66	
		For 18 Gauge Frame, Deduct	-26.98	
		For 14 Gauge Frame, Add	67.44	
		For 12 Gauge Frame, Add	102.51	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	496.00	104.41
		For Auxiliary Frame Reinforcement For Hinges, Add	43.08	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	34.46	
		For Baked Enamel Finish, Add	117.48	
		For 18 Gauge Frame, Deduct	-28.72	
		For 14 Gauge Frame, Add	71.79	
		For 12 Gauge Frame, Add	109.12	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	517.34	106.38
		For Auxiliary Frame Reinforcement For Hinges, Add	45.69	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	36.55	
		For Baked Enamel Finish, Add	123.29	
		For 18 Gauge Frame, Deduct	-30.46	
		For 14 Gauge Frame, Add	76.14	
		For 12 Gauge Frame, Add	115.74	
08 12 13 13-0051		>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	321.25	59.10
		For Auxiliary Frame Reinforcement For Hinges, Add	30.46	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	24.37	
		For Baked Enamel Finish, Add	78.65	
		For 18 Gauge Frame, Deduct	-20.31	
		For 14 Gauge Frame, Add	50.76	
		For 12 Gauge Frame, Add	77.16	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	371.74	65.01
		For Auxiliary Frame Reinforcement For Hinges, Add	36.26	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	29.01	
		For Baked Enamel Finish, Add	92.02	
		For 18 Gauge Frame, Deduct	-24.17	
		For 14 Gauge Frame, Add	60.43	
		For 12 Gauge Frame, Add	91.85	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	383.50	68.95
		For Auxiliary Frame Reinforcement For Hinges, Add	36.84	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	29.47	
		For Baked Enamel Finish, Add	94.36	
		For 18 Gauge Frame, Deduct	-24.56	
		For 14 Gauge Frame, Add	61.40	
		For 12 Gauge Frame, Add	93.32	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	395.31	74.86
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.84	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	29.47	
		<i>For Baked Enamel Finish, Add</i>	96.14	
		<i>For 18 Gauge Frame, Deduct</i>	-24.56	
		<i>For 14 Gauge Frame, Add</i>	61.40	
		<i>For 12 Gauge Frame, Add</i>	93.32	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	403.12	76.83
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.42	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	29.94	
		<i>For Baked Enamel Finish, Add</i>	97.89	
		<i>For 18 Gauge Frame, Deduct</i>	-24.95	
		<i>For 14 Gauge Frame, Add</i>	62.37	
		<i>For 12 Gauge Frame, Add</i>	94.79	
		<i>For Type 304 Stainless Steel Frame, Add</i>	456.71	
		<i>For Type 316 Stainless Steel Frame, Add</i>	531.55	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	410.94	78.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	38.00	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	30.40	
		<i>For Baked Enamel Finish, Add</i>	99.64	
		<i>For 18 Gauge Frame, Deduct</i>	-25.33	
		<i>For 14 Gauge Frame, Add</i>	63.33	
		<i>For 12 Gauge Frame, Add</i>	96.27	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	436.21	82.74
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.61	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	32.49	
		<i>For Baked Enamel Finish, Add</i>	106.04	
		<i>For 18 Gauge Frame, Deduct</i>	-27.07	
		<i>For 14 Gauge Frame, Add</i>	67.68	
		<i>For 12 Gauge Frame, Add</i>	102.88	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	444.09	86.69
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.61	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	32.49	
		<i>For Baked Enamel Finish, Add</i>	107.22	
		<i>For 18 Gauge Frame, Deduct</i>	-27.07	
		<i>For 14 Gauge Frame, Add</i>	67.68	
		<i>For 12 Gauge Frame, Add</i>	102.88	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	461.65	90.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.06	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	33.65	
		<i>For Baked Enamel Finish, Add</i>	111.31	
		<i>For 18 Gauge Frame, Deduct</i>	-28.04	
		<i>For 14 Gauge Frame, Add</i>	70.10	
		<i>For 12 Gauge Frame, Add</i>	106.55	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	479.20	94.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.51	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	34.81	
		<i>For Baked Enamel Finish, Add</i>	115.39	
		<i>For 18 Gauge Frame, Deduct</i>	-29.01	
		<i>For 14 Gauge Frame, Add</i>	72.52	
		<i>For 12 Gauge Frame, Add</i>	110.23	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	487.07	98.50
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.51	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	34.81	
		<i>For Baked Enamel Finish, Add</i>	116.57	
		<i>For 18 Gauge Frame, Deduct</i>	-29.01	
		<i>For 14 Gauge Frame, Add</i>	72.52	
		<i>For 12 Gauge Frame, Add</i>	110.23	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	495.84	100.47
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.24	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	35.39	
		<i>For Baked Enamel Finish, Add</i>	118.61	
		<i>For 18 Gauge Frame, Deduct</i>	-29.49	
		<i>For 14 Gauge Frame, Add</i>	73.73	
		<i>For 12 Gauge Frame, Add</i>	112.06	
		<i>For Type 304 Stainless Steel Frame, Add</i>	540.87	
		<i>For Type 316 Stainless Steel Frame, Add</i>	629.34	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	504.63	102.44
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.96	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	35.97	
		<i>For Baked Enamel Finish, Add</i>	120.66	
		<i>For 18 Gauge Frame, Deduct</i>	-29.97	
		<i>For 14 Gauge Frame, Add</i>	74.94	
		<i>For 12 Gauge Frame, Add</i>	113.90	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	527.91	104.41
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.86	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	38.29	
		<i>For Baked Enamel Finish, Add</i>	127.05	
		<i>For 18 Gauge Frame, Deduct</i>	-31.91	
		<i>For 14 Gauge Frame, Add</i>	79.77	
		<i>For 12 Gauge Frame, Add</i>	121.25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	551.19	106.38
For Auxiliary Frame Reinforcement For Hinges, Add	50.76	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	40.61	
For Baked Enamel Finish, Add	133.44	
For 18 Gauge Frame, Deduct	-33.84	
For 14 Gauge Frame, Add	84.61	
For 12 Gauge Frame, Add	128.60	
08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	407.50	59.10
For Auxiliary Frame Reinforcement For Hinges, Add	43.40	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	34.72	
For Baked Enamel Finish, Add	104.52	
For 18 Gauge Frame, Deduct	-28.93	
For 14 Gauge Frame, Add	72.33	
For 12 Gauge Frame, Add	109.93	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	474.43	65.01
For Auxiliary Frame Reinforcement For Hinges, Add	51.66	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.33	
For Baked Enamel Finish, Add	122.83	
For 18 Gauge Frame, Deduct	-34.44	
For 14 Gauge Frame, Add	86.10	
For 12 Gauge Frame, Add	130.88	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	487.83	68.95
For Auxiliary Frame Reinforcement For Hinges, Add	52.49	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.99	
For Baked Enamel Finish, Add	125.66	
For 18 Gauge Frame, Deduct	-34.99	
For 14 Gauge Frame, Add	87.48	
For 12 Gauge Frame, Add	132.97	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	499.64	74.86
For Auxiliary Frame Reinforcement For Hinges, Add	52.49	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.99	
For Baked Enamel Finish, Add	127.43	
For 18 Gauge Frame, Deduct	-34.99	
For 14 Gauge Frame, Add	87.48	
For 12 Gauge Frame, Add	132.97	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	509.09	76.83
For Auxiliary Frame Reinforcement For Hinges, Add	53.31	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	42.65	
For Baked Enamel Finish, Add	129.68	
For 18 Gauge Frame, Deduct	-35.54	
For 14 Gauge Frame, Add	88.86	
For 12 Gauge Frame, Add	135.06	
For Type 304 Stainless Steel Frame, Add	647.46	
For Type 316 Stainless Steel Frame, Add	754.09	
08 12 13 13-0074 EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	518.55	78.80
For Auxiliary Frame Reinforcement For Hinges, Add	54.14	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	43.31	
For Baked Enamel Finish, Add	131.92	
For 18 Gauge Frame, Deduct	-36.09	
For 14 Gauge Frame, Add	90.24	
For 12 Gauge Frame, Add	137.16	
08 12 13 13-0075 EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	551.22	82.74
For Auxiliary Frame Reinforcement For Hinges, Add	57.86	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	46.29	
For Baked Enamel Finish, Add	140.54	
For 18 Gauge Frame, Deduct	-38.57	
For 14 Gauge Frame, Add	96.44	
For 12 Gauge Frame, Add	146.58	
08 12 13 13-0076 EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	559.10	86.69
For Auxiliary Frame Reinforcement For Hinges, Add	57.86	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	46.29	
For Baked Enamel Finish, Add	141.73	
For 18 Gauge Frame, Deduct	-38.57	
For 14 Gauge Frame, Add	96.44	
For 12 Gauge Frame, Add	146.58	
08 12 13 13-0077 EA 4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	580.76	90.62
For Auxiliary Frame Reinforcement For Hinges, Add	59.93	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	47.94	
For Baked Enamel Finish, Add	147.04	
For 18 Gauge Frame, Deduct	-39.95	
For 14 Gauge Frame, Add	99.88	
For 12 Gauge Frame, Add	151.81	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	602.42	94.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.99	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	49.59	
		<i>For Baked Enamel Finish, Add</i>	152.36	
		<i>For 18 Gauge Frame, Deduct</i>	-41.33	
		<i>For 14 Gauge Frame, Add</i>	103.32	
		<i>For 12 Gauge Frame, Add</i>	157.05	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	610.29	98.50
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.99	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	49.59	
		<i>For Baked Enamel Finish, Add</i>	153.54	
		<i>For 18 Gauge Frame, Deduct</i>	-41.33	
		<i>For 14 Gauge Frame, Add</i>	103.32	
		<i>For 12 Gauge Frame, Add</i>	157.05	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	621.12	100.47
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	63.03	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	50.42	
		<i>For Baked Enamel Finish, Add</i>	156.20	
		<i>For 18 Gauge Frame, Deduct</i>	-42.02	
		<i>For 14 Gauge Frame, Add</i>	105.05	
		<i>For 12 Gauge Frame, Add</i>	159.67	
		<i>For Type 304 Stainless Steel Frame, Add</i>	766.37	
		<i>For Type 316 Stainless Steel Frame, Add</i>	892.43	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	631.96	102.44
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	64.06	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	51.25	
		<i>For Baked Enamel Finish, Add</i>	158.85	
		<i>For 18 Gauge Frame, Deduct</i>	-42.71	
		<i>For 14 Gauge Frame, Add</i>	106.77	
		<i>For 12 Gauge Frame, Add</i>	162.29	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	663.45	104.41
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	68.19	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	54.55	
		<i>For Baked Enamel Finish, Add</i>	167.71	
		<i>For 18 Gauge Frame, Deduct</i>	-45.46	
		<i>For 14 Gauge Frame, Add</i>	113.66	
		<i>For 12 Gauge Frame, Add</i>	172.76	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	694.94	106.38
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	72.33	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	57.86	
		<i>For Baked Enamel Finish, Add</i>	176.57	
		<i>For 18 Gauge Frame, Deduct</i>	-48.22	
		<i>For 14 Gauge Frame, Add</i>	120.54	
		<i>For 12 Gauge Frame, Add</i>	183.22	
08 12 13 13-0084		>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	439.65	59.10
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.22	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	38.57	
		<i>For Baked Enamel Finish, Add</i>	114.17	
		<i>For 18 Gauge Frame, Deduct</i>	-32.15	
		<i>For 14 Gauge Frame, Add</i>	80.36	
		<i>For 12 Gauge Frame, Add</i>	122.15	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	512.70	65.01
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.40	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	45.92	
		<i>For Baked Enamel Finish, Add</i>	134.31	
		<i>For 18 Gauge Frame, Deduct</i>	-38.27	
		<i>For 14 Gauge Frame, Add</i>	95.67	
		<i>For 12 Gauge Frame, Add</i>	145.42	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	526.71	68.95
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.32	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	46.66	
		<i>For Baked Enamel Finish, Add</i>	137.33	
		<i>For 18 Gauge Frame, Deduct</i>	-38.88	
		<i>For 14 Gauge Frame, Add</i>	97.20	
		<i>For 12 Gauge Frame, Add</i>	147.74	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.52	74.86
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.32	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	46.66	
		<i>For Baked Enamel Finish, Add</i>	139.10	
		<i>For 18 Gauge Frame, Deduct</i>	-38.88	
		<i>For 14 Gauge Frame, Add</i>	97.20	
		<i>For 12 Gauge Frame, Add</i>	147.74	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	548.58	76.83
		For Auxiliary Frame Reinforcement For Hinges, Add	59.24	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	47.39	
		For Baked Enamel Finish, Add	141.53	
		For 18 Gauge Frame, Deduct	-39.49	
		For 14 Gauge Frame, Add	98.73	
		For 12 Gauge Frame, Add	150.07	
		For Type 304 Stainless Steel Frame, Add	718.54	
		For Type 316 Stainless Steel Frame, Add	837.02	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	558.66	78.80
		For Auxiliary Frame Reinforcement For Hinges, Add	60.16	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	48.13	
		For Baked Enamel Finish, Add	143.96	
		For 18 Gauge Frame, Deduct	-40.11	
		For 14 Gauge Frame, Add	100.26	
		For 12 Gauge Frame, Add	152.40	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	594.08	82.74
		For Auxiliary Frame Reinforcement For Hinges, Add	64.29	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	51.43	
		For Baked Enamel Finish, Add	153.40	
		For 18 Gauge Frame, Deduct	-42.86	
		For 14 Gauge Frame, Add	107.15	
		For 12 Gauge Frame, Add	162.87	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	601.96	86.69
		For Auxiliary Frame Reinforcement For Hinges, Add	64.29	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	51.43	
		For Baked Enamel Finish, Add	154.58	
		For 18 Gauge Frame, Deduct	-42.86	
		For 14 Gauge Frame, Add	107.15	
		For 12 Gauge Frame, Add	162.87	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	625.16	90.62
		For Auxiliary Frame Reinforcement For Hinges, Add	66.59	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	53.27	
		For Baked Enamel Finish, Add	160.36	
		For 18 Gauge Frame, Deduct	-44.39	
		For 14 Gauge Frame, Add	110.98	
		For 12 Gauge Frame, Add	168.69	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	648.34	94.56
		For Auxiliary Frame Reinforcement For Hinges, Add	68.88	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.11	
		For Baked Enamel Finish, Add	166.13	
		For 18 Gauge Frame, Deduct	-45.92	
		For 14 Gauge Frame, Add	114.80	
		For 12 Gauge Frame, Add	174.50	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	656.21	98.50
		For Auxiliary Frame Reinforcement For Hinges, Add	68.88	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.11	
		For Baked Enamel Finish, Add	167.31	
		For 18 Gauge Frame, Deduct	-45.92	
		For 14 Gauge Frame, Add	114.80	
		For 12 Gauge Frame, Add	174.50	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	667.81	100.47
		For Auxiliary Frame Reinforcement For Hinges, Add	70.03	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	56.02	
		For Baked Enamel Finish, Add	170.20	
		For 18 Gauge Frame, Deduct	-46.69	
		For 14 Gauge Frame, Add	116.72	
		For 12 Gauge Frame, Add	177.41	
		For Type 304 Stainless Steel Frame, Add	850.41	
		For Type 316 Stainless Steel Frame, Add	990.47	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	679.41	102.44
		For Auxiliary Frame Reinforcement For Hinges, Add	71.18	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	56.94	
		For Baked Enamel Finish, Add	173.09	
		For 18 Gauge Frame, Deduct	-47.45	
		For 14 Gauge Frame, Add	118.63	
		For 12 Gauge Frame, Add	180.32	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	713.96	104.41
		For Auxiliary Frame Reinforcement For Hinges, Add	75.77	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	60.62	
		For Baked Enamel Finish, Add	182.86	
		For 18 Gauge Frame, Deduct	-50.51	
		For 14 Gauge Frame, Add	126.28	
		For 12 Gauge Frame, Add	191.95	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	748.52	106.38
		For Auxiliary Frame Reinforcement For Hinges, Add	80.36	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	64.29	
		For Baked Enamel Finish, Add	192.64	
		For 18 Gauge Frame, Deduct	-53.58	
		For 14 Gauge Frame, Add	133.94	
		For 12 Gauge Frame, Add	203.59	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0100		6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13	13-0101		6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13	13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	429.20	59.10
			For Auxiliary Frame Reinforcement For Hinges, Add	46.65	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	37.32	
			For Baked Enamel Finish, Add	111.03	
			For 18 Gauge Frame, Deduct	-31.10	
			For 14 Gauge Frame, Add	77.75	
			For 12 Gauge Frame, Add	118.18	
			For Type 304 Stainless Steel Frame, Add	565.71	
			For Type 316 Stainless Steel Frame, Add	659.01	
08 12 13	13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	500.26	65.01
			For Auxiliary Frame Reinforcement For Hinges, Add	55.54	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	44.43	
			For Baked Enamel Finish, Add	130.58	
			For 18 Gauge Frame, Deduct	-37.02	
			For 14 Gauge Frame, Add	92.56	
			For 12 Gauge Frame, Add	140.69	
			For Type 304 Stainless Steel Frame, Add	672.93	
			For Type 316 Stainless Steel Frame, Add	784.01	
08 12 13	13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	514.07	68.95
			For Auxiliary Frame Reinforcement For Hinges, Add	56.42	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	45.14	
			For Baked Enamel Finish, Add	133.53	
			For 18 Gauge Frame, Deduct	-37.62	
			For 14 Gauge Frame, Add	94.04	
			For 12 Gauge Frame, Add	142.94	
			For Type 304 Stainless Steel Frame, Add	683.98	
			For Type 316 Stainless Steel Frame, Add	796.83	
08 12 13	13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	525.88	74.86
			For Auxiliary Frame Reinforcement For Hinges, Add	56.42	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	45.14	
			For Baked Enamel Finish, Add	135.31	
			For 18 Gauge Frame, Deduct	-37.62	
			For 14 Gauge Frame, Add	94.04	
			For 12 Gauge Frame, Add	142.94	
			For Type 304 Stainless Steel Frame, Add	684.57	
			For Type 316 Stainless Steel Frame, Add	797.42	
08 12 13	13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	535.75	76.83
			For Auxiliary Frame Reinforcement For Hinges, Add	57.31	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	45.85	
			For Baked Enamel Finish, Add	137.68	
			For 18 Gauge Frame, Deduct	-38.21	
			For 14 Gauge Frame, Add	95.52	
			For 12 Gauge Frame, Add	145.19	
			For Type 304 Stainless Steel Frame, Add	695.45	
			For Type 316 Stainless Steel Frame, Add	810.07	
08 12 13	13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	545.62	78.80
			For Auxiliary Frame Reinforcement For Hinges, Add	58.20	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	46.56	
			For Baked Enamel Finish, Add	140.04	
			For 18 Gauge Frame, Deduct	-38.80	
			For 14 Gauge Frame, Add	97.00	
			For 12 Gauge Frame, Add	147.44	
			For Type 304 Stainless Steel Frame, Add	706.30	
			For Type 316 Stainless Steel Frame, Add	822.70	
08 12 13	13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	580.15	82.74
			For Auxiliary Frame Reinforcement For Hinges, Add	62.20	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	49.76	
			For Baked Enamel Finish, Add	149.22	
			For 18 Gauge Frame, Deduct	-41.47	
			For 14 Gauge Frame, Add	103.67	
			For 12 Gauge Frame, Add	157.57	
			For Type 304 Stainless Steel Frame, Add	754.68	
			For Type 316 Stainless Steel Frame, Add	879.08	
08 12 13	13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	588.03	86.69
			For Auxiliary Frame Reinforcement For Hinges, Add	62.20	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	49.76	
			For Baked Enamel Finish, Add	150.41	
			For 18 Gauge Frame, Deduct	-41.47	
			For 14 Gauge Frame, Add	103.67	
			For 12 Gauge Frame, Add	157.57	
			For Type 304 Stainless Steel Frame, Add	755.07	
			For Type 316 Stainless Steel Frame, Add	879.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	610.73	90.62
For Auxiliary Frame Reinforcement For Hinges, Add	64.42	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	51.54	
For Baked Enamel Finish, Add	156.03	
For 18 Gauge Frame, Deduct	-42.95	
For 14 Gauge Frame, Add	107.37	
For 12 Gauge Frame, Add	163.20	
For Type 304 Stainless Steel Frame, Add	782.13	
For Type 316 Stainless Steel Frame, Add	910.97	
08 12 13 13-0111 EA 5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.42	94.56
For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	53.31	
For Baked Enamel Finish, Add	161.66	
For 18 Gauge Frame, Deduct	-44.43	
For 14 Gauge Frame, Add	111.07	
For 12 Gauge Frame, Add	168.83	
For Type 304 Stainless Steel Frame, Add	809.18	
For Type 316 Stainless Steel Frame, Add	942.47	
08 12 13 13-0112 EA 5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	641.29	98.50
For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	53.31	
For Baked Enamel Finish, Add	162.84	
For 18 Gauge Frame, Deduct	-44.43	
For 14 Gauge Frame, Add	111.07	
For 12 Gauge Frame, Add	168.83	
For Type 304 Stainless Steel Frame, Add	809.57	
For Type 316 Stainless Steel Frame, Add	942.86	
08 12 13 13-0113 EA 5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	652.63	100.47
For Auxiliary Frame Reinforcement For Hinges, Add	67.75	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	54.20	
For Baked Enamel Finish, Add	165.65	
For 18 Gauge Frame, Deduct	-45.17	
For 14 Gauge Frame, Add	112.92	
For 12 Gauge Frame, Add	171.64	
For Type 304 Stainless Steel Frame, Add	823.09	
For Type 316 Stainless Steel Frame, Add	958.60	
08 12 13 13-0114 EA 6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	663.99	102.44
For Auxiliary Frame Reinforcement For Hinges, Add	68.87	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	55.09	
For Baked Enamel Finish, Add	168.46	
For 18 Gauge Frame, Deduct	-45.91	
For 14 Gauge Frame, Add	114.78	
For 12 Gauge Frame, Add	174.46	
For Type 304 Stainless Steel Frame, Add	836.62	
For Type 316 Stainless Steel Frame, Add	974.35	
08 12 13 13-0115 EA 7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	697.54	104.41
For Auxiliary Frame Reinforcement For Hinges, Add	73.31	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	58.65	
For Baked Enamel Finish, Add	177.94	
For 18 Gauge Frame, Deduct	-48.87	
For 14 Gauge Frame, Add	122.18	
For 12 Gauge Frame, Add	185.71	
For Type 304 Stainless Steel Frame, Add	890.12	
For Type 316 Stainless Steel Frame, Add	1,036.73	
08 12 13 13-0116 EA 8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	731.11	106.38
For Auxiliary Frame Reinforcement For Hinges, Add	77.75	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	62.20	
For Baked Enamel Finish, Add	187.42	
For 18 Gauge Frame, Deduct	-51.83	
For 14 Gauge Frame, Add	129.59	
For 12 Gauge Frame, Add	196.97	
For Type 304 Stainless Steel Frame, Add	943.65	
For Type 316 Stainless Steel Frame, Add	1,099.15	
08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock		
Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	463.76	59.10
For Auxiliary Frame Reinforcement For Hinges, Add	51.83	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	41.47	
For Baked Enamel Finish, Add	121.40	
For 18 Gauge Frame, Deduct	-34.56	
For 14 Gauge Frame, Add	86.39	
For 12 Gauge Frame, Add	131.31	
For Type 304 Stainless Steel Frame, Add	627.92	
For Type 316 Stainless Steel Frame, Add	731.59	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	541.40	65.01
		For Auxiliary Frame Reinforcement For Hinges, Add	61.71	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	49.37	
		For Baked Enamel Finish, Add	142.92	
		For 18 Gauge Frame, Deduct	-41.14	
		For 14 Gauge Frame, Add	102.85	
		For 12 Gauge Frame, Add	156.32	
		For Type 304 Stainless Steel Frame, Add	746.99	
		For Type 316 Stainless Steel Frame, Add	870.40	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	555.87	68.95
		For Auxiliary Frame Reinforcement For Hinges, Add	62.69	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	50.16	
		For Baked Enamel Finish, Add	146.07	
		For 18 Gauge Frame, Deduct	-41.80	
		For 14 Gauge Frame, Add	104.49	
		For 12 Gauge Frame, Add	158.82	
		For Type 304 Stainless Steel Frame, Add	759.22	
		For Type 316 Stainless Steel Frame, Add	884.61	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	567.68	74.86
		For Auxiliary Frame Reinforcement For Hinges, Add	62.69	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	50.16	
		For Baked Enamel Finish, Add	147.85	
		For 18 Gauge Frame, Deduct	-41.80	
		For 14 Gauge Frame, Add	104.49	
		For 12 Gauge Frame, Add	158.82	
		For Type 304 Stainless Steel Frame, Add	759.81	
		For Type 316 Stainless Steel Frame, Add	885.20	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	578.20	76.83
		For Auxiliary Frame Reinforcement For Hinges, Add	63.68	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	50.94	
		For Baked Enamel Finish, Add	150.41	
		For 18 Gauge Frame, Deduct	-42.45	
		For 14 Gauge Frame, Add	106.14	
		For 12 Gauge Frame, Add	161.33	
		For Type 304 Stainless Steel Frame, Add	771.86	
		For Type 316 Stainless Steel Frame, Add	899.22	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	588.73	78.80
		For Auxiliary Frame Reinforcement For Hinges, Add	64.67	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	51.73	
		For Baked Enamel Finish, Add	152.98	
		For 18 Gauge Frame, Deduct	-43.11	
		For 14 Gauge Frame, Add	107.78	
		For 12 Gauge Frame, Add	163.83	
		For Type 304 Stainless Steel Frame, Add	783.90	
		For Type 316 Stainless Steel Frame, Add	913.23	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	626.22	82.74
		For Auxiliary Frame Reinforcement For Hinges, Add	69.11	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.29	
		For Baked Enamel Finish, Add	163.04	
		For 18 Gauge Frame, Deduct	-46.07	
		For 14 Gauge Frame, Add	115.19	
		For 12 Gauge Frame, Add	175.08	
		For Type 304 Stainless Steel Frame, Add	837.61	
		For Type 316 Stainless Steel Frame, Add	975.83	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	634.10	86.69
		For Auxiliary Frame Reinforcement For Hinges, Add	69.11	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	55.29	
		For Baked Enamel Finish, Add	164.23	
		For 18 Gauge Frame, Deduct	-46.07	
		For 14 Gauge Frame, Add	115.19	
		For 12 Gauge Frame, Add	175.08	
		For Type 304 Stainless Steel Frame, Add	838.00	
		For Type 316 Stainless Steel Frame, Add	976.22	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	658.45	90.62
		For Auxiliary Frame Reinforcement For Hinges, Add	71.58	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	57.26	
		For Baked Enamel Finish, Add	170.35	
		For 18 Gauge Frame, Deduct	-47.72	
		For 14 Gauge Frame, Add	119.30	
		For 12 Gauge Frame, Add	181.34	
		For Type 304 Stainless Steel Frame, Add	868.02	
		For Type 316 Stainless Steel Frame, Add	1,011.18	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	682.78	94.56
		For Auxiliary Frame Reinforcement For Hinges, Add	74.05	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	59.24	
		For Baked Enamel Finish, Add	176.46	
		For 18 Gauge Frame, Deduct	-49.37	
		For 14 Gauge Frame, Add	123.41	
		For 12 Gauge Frame, Add	187.59	
		For Type 304 Stainless Steel Frame, Add	898.03	
		For Type 316 Stainless Steel Frame, Add	1,046.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0128 EA 5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	690.65	98.50
For Auxiliary Frame Reinforcement For Hinges, Add	74.05	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	59.24	
For Baked Enamel Finish, Add	177.65	
For 18 Gauge Frame, Deduct	-49.37	
For 14 Gauge Frame, Add	123.41	
For 12 Gauge Frame, Add	187.59	
For Type 304 Stainless Steel Frame, Add	898.42	
For Type 316 Stainless Steel Frame, Add	1,046.52	
08 12 13 13-0129 EA 5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	702.82	100.47
For Auxiliary Frame Reinforcement For Hinges, Add	75.28	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	60.23	
For Baked Enamel Finish, Add	180.71	
For 18 Gauge Frame, Deduct	-50.19	
For 14 Gauge Frame, Add	125.47	
For 12 Gauge Frame, Add	190.71	
For Type 304 Stainless Steel Frame, Add	913.43	
For Type 316 Stainless Steel Frame, Add	1,064.00	
08 12 13 13-0130 EA 6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	715.00	102.44
For Auxiliary Frame Reinforcement For Hinges, Add	76.52	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	61.21	
For Baked Enamel Finish, Add	183.77	
For 18 Gauge Frame, Deduct	-51.01	
For 14 Gauge Frame, Add	127.53	
For 12 Gauge Frame, Add	193.84	
For Type 304 Stainless Steel Frame, Add	928.44	
For Type 316 Stainless Steel Frame, Add	1,081.48	
08 12 13 13-0131 EA 7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	751.84	104.41
For Auxiliary Frame Reinforcement For Hinges, Add	81.45	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	65.16	
For Baked Enamel Finish, Add	194.23	
For 18 Gauge Frame, Deduct	-54.30	
For 14 Gauge Frame, Add	135.75	
For 12 Gauge Frame, Add	206.34	
For Type 304 Stainless Steel Frame, Add	987.86	
For Type 316 Stainless Steel Frame, Add	1,150.76	
08 12 13 13-0132 EA 8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	788.70	106.38
For Auxiliary Frame Reinforcement For Hinges, Add	86.39	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	69.11	
For Baked Enamel Finish, Add	204.69	
For 18 Gauge Frame, Deduct	-57.59	
For 14 Gauge Frame, Add	143.98	
For 12 Gauge Frame, Add	218.85	
For Type 304 Stainless Steel Frame, Add	1,047.31	
For Type 316 Stainless Steel Frame, Add	1,220.09	
 08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135 EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	443.67	59.10
For Auxiliary Frame Reinforcement For Hinges, Add	48.82	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	39.06	
For Baked Enamel Finish, Add	115.37	
For 18 Gauge Frame, Deduct	-32.55	
For 14 Gauge Frame, Add	81.37	
For 12 Gauge Frame, Add	123.68	
For Type 304 Stainless Steel Frame, Add	591.76	
For Type 316 Stainless Steel Frame, Add	689.40	
08 12 13 13-0136 EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	517.48	65.01
For Auxiliary Frame Reinforcement For Hinges, Add	58.12	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	46.50	
For Baked Enamel Finish, Add	135.74	
For 18 Gauge Frame, Deduct	-38.75	
For 14 Gauge Frame, Add	96.87	
For 12 Gauge Frame, Add	147.23	
For Type 304 Stainless Steel Frame, Add	703.93	
For Type 316 Stainless Steel Frame, Add	820.17	
08 12 13 13-0137 EA 2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	531.57	68.95
For Auxiliary Frame Reinforcement For Hinges, Add	59.05	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	47.24	
For Baked Enamel Finish, Add	138.78	
For 18 Gauge Frame, Deduct	-39.37	
For 14 Gauge Frame, Add	98.42	
For 12 Gauge Frame, Add	149.59	
For Type 304 Stainless Steel Frame, Add	715.48	
For Type 316 Stainless Steel Frame, Add	833.58	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	543.38	74.86
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.05	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	47.24	
		<i>For Baked Enamel Finish, Add</i>	140.56	
		<i>For 18 Gauge Frame, Deduct</i>	-39.37	
		<i>For 14 Gauge Frame, Add</i>	98.42	
		<i>For 12 Gauge Frame, Add</i>	149.59	
		<i>For Type 304 Stainless Steel Frame, Add</i>	716.07	
		<i>For Type 316 Stainless Steel Frame, Add</i>	834.17	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	553.52	76.83
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.98	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	47.98	
		<i>For Baked Enamel Finish, Add</i>	143.01	
		<i>For 18 Gauge Frame, Deduct</i>	-39.99	
		<i>For 14 Gauge Frame, Add</i>	99.97	
		<i>For 12 Gauge Frame, Add</i>	151.95	
		<i>For Type 304 Stainless Steel Frame, Add</i>	727.43	
		<i>For Type 316 Stainless Steel Frame, Add</i>	847.39	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	563.67	78.80
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.91	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	48.73	
		<i>For Baked Enamel Finish, Add</i>	145.46	
		<i>For 18 Gauge Frame, Deduct</i>	-40.61	
		<i>For 14 Gauge Frame, Add</i>	101.52	
		<i>For 12 Gauge Frame, Add</i>	154.30	
		<i>For Type 304 Stainless Steel Frame, Add</i>	738.79	
		<i>For Type 316 Stainless Steel Frame, Add</i>	860.61	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	599.44	82.74
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.09	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	52.08	
		<i>For Baked Enamel Finish, Add</i>	155.01	
		<i>For 18 Gauge Frame, Deduct</i>	-43.40	
		<i>For 14 Gauge Frame, Add</i>	108.49	
		<i>For 12 Gauge Frame, Add</i>	164.90	
		<i>For Type 304 Stainless Steel Frame, Add</i>	789.40	
		<i>For Type 316 Stainless Steel Frame, Add</i>	919.59	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	607.32	86.69
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.09	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	52.08	
		<i>For Baked Enamel Finish, Add</i>	156.19	
		<i>For 18 Gauge Frame, Deduct</i>	-43.40	
		<i>For 14 Gauge Frame, Add</i>	108.49	
		<i>For 12 Gauge Frame, Add</i>	164.90	
		<i>For Type 304 Stainless Steel Frame, Add</i>	789.80	
		<i>For Type 316 Stainless Steel Frame, Add</i>	919.98	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	630.70	90.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	67.42	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	53.93	
		<i>For Baked Enamel Finish, Add</i>	162.02	
		<i>For 18 Gauge Frame, Deduct</i>	-44.95	
		<i>For 14 Gauge Frame, Add</i>	112.36	
		<i>For 12 Gauge Frame, Add</i>	170.79	
		<i>For Type 304 Stainless Steel Frame, Add</i>	818.07	
		<i>For Type 316 Stainless Steel Frame, Add</i>	952.91	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	654.08	94.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.74	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	55.79	
		<i>For Baked Enamel Finish, Add</i>	167.85	
		<i>For 18 Gauge Frame, Deduct</i>	-46.50	
		<i>For 14 Gauge Frame, Add</i>	116.24	
		<i>For 12 Gauge Frame, Add</i>	176.68	
		<i>For Type 304 Stainless Steel Frame, Add</i>	846.37	
		<i>For Type 316 Stainless Steel Frame, Add</i>	985.85	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	661.95	98.50
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.74	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	55.79	
		<i>For Baked Enamel Finish, Add</i>	169.04	
		<i>For 18 Gauge Frame, Deduct</i>	-46.50	
		<i>For 14 Gauge Frame, Add</i>	116.24	
		<i>For 12 Gauge Frame, Add</i>	176.68	
		<i>For Type 304 Stainless Steel Frame, Add</i>	846.76	
		<i>For Type 316 Stainless Steel Frame, Add</i>	986.25	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	673.64	100.47
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.91	
		<i>For Welded Frames, Add</i>	95.88	
		<i>For Galvanized Frames, Add</i>	56.72	
		<i>For Baked Enamel Finish, Add</i>	171.95	
		<i>For 18 Gauge Frame, Deduct</i>	-47.27	
		<i>For 14 Gauge Frame, Add</i>	118.18	
		<i>For 12 Gauge Frame, Add</i>	179.63	
		<i>For Type 304 Stainless Steel Frame, Add</i>	860.91	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,002.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0147	EA	6' x 6'-8"	Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	685.34	102.44
			For Auxiliary Frame Reinforcement For Hinges, Add	72.07	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	57.65	
			For Baked Enamel Finish, Add	174.87	
			For 18 Gauge Frame, Deduct	-48.05	
			For 14 Gauge Frame, Add	120.11	
			For 12 Gauge Frame, Add	182.57	
			For Type 304 Stainless Steel Frame, Add	875.05	
			For Type 316 Stainless Steel Frame, Add	1,019.19	
08 12 13 13-0148	EA	7' x 6'-8"	Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	720.27	104.41
			For Auxiliary Frame Reinforcement For Hinges, Add	76.72	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	61.37	
			For Baked Enamel Finish, Add	184.76	
			For 18 Gauge Frame, Deduct	-51.14	
			For 14 Gauge Frame, Add	127.86	
			For 12 Gauge Frame, Add	194.35	
			For Type 304 Stainless Steel Frame, Add	931.03	
			For Type 316 Stainless Steel Frame, Add	1,084.47	
08 12 13 13-0149	EA	8' x 6'-8"	Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	755.22	106.38
			For Auxiliary Frame Reinforcement For Hinges, Add	81.37	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	65.09	
			For Baked Enamel Finish, Add	194.65	
			For 18 Gauge Frame, Deduct	-54.25	
			For 14 Gauge Frame, Add	135.61	
			For 12 Gauge Frame, Add	206.13	
			For Type 304 Stainless Steel Frame, Add	987.05	
			For Type 316 Stainless Steel Frame, Add	1,149.78	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)

08 12 13 13-0151	EA	2' x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	479.83	59.10
			For Auxiliary Frame Reinforcement For Hinges, Add	54.24	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	43.40	
			For Baked Enamel Finish, Add	126.22	
			For 18 Gauge Frame, Deduct	-36.16	
			For 14 Gauge Frame, Add	90.41	
			For 12 Gauge Frame, Add	137.42	
			For Type 304 Stainless Steel Frame, Add	656.84	
			For Type 316 Stainless Steel Frame, Add	765.33	
08 12 13 13-0152	EA	2'-4" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	560.53	65.01
			For Auxiliary Frame Reinforcement For Hinges, Add	64.58	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	51.66	
			For Baked Enamel Finish, Add	148.66	
			For 18 Gauge Frame, Deduct	-43.05	
			For 14 Gauge Frame, Add	107.63	
			For 12 Gauge Frame, Add	163.59	
			For Type 304 Stainless Steel Frame, Add	781.42	
			For Type 316 Stainless Steel Frame, Add	910.57	
08 12 13 13-0153	EA	2'-6" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	575.31	68.95
			For Auxiliary Frame Reinforcement For Hinges, Add	65.61	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	52.49	
			For Baked Enamel Finish, Add	151.91	
			For 18 Gauge Frame, Deduct	-43.74	
			For 14 Gauge Frame, Add	109.35	
			For 12 Gauge Frame, Add	166.21	
			For Type 304 Stainless Steel Frame, Add	794.22	
			For Type 316 Stainless Steel Frame, Add	925.44	
08 12 13 13-0154	EA	2'-8" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	587.12	74.86
			For Auxiliary Frame Reinforcement For Hinges, Add	65.61	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	52.49	
			For Baked Enamel Finish, Add	153.68	
			For 18 Gauge Frame, Deduct	-43.74	
			For 14 Gauge Frame, Add	109.35	
			For 12 Gauge Frame, Add	166.21	
			For Type 304 Stainless Steel Frame, Add	794.81	
			For Type 316 Stainless Steel Frame, Add	926.03	
08 12 13 13-0155	EA	2'-10" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	597.95	76.83
			For Auxiliary Frame Reinforcement For Hinges, Add	66.64	
			For Welded Frames, Add	95.88	
			For Galvanized Frames, Add	53.31	
			For Baked Enamel Finish, Add	156.34	
			For 18 Gauge Frame, Deduct	-44.43	
			For 14 Gauge Frame, Add	111.07	
			For 12 Gauge Frame, Add	168.83	
			For Type 304 Stainless Steel Frame, Add	807.41	
			For Type 316 Stainless Steel Frame, Add	940.69	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	608.79	78.80
		For Auxiliary Frame Reinforcement For Hinges, Add	67.68	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	54.14	
		For Baked Enamel Finish, Add	159.00	
		For 18 Gauge Frame, Deduct	-45.12	
		For 14 Gauge Frame, Add	112.80	
		For 12 Gauge Frame, Add	171.45	
		For Type 304 Stainless Steel Frame, Add	820.00	
		For Type 316 Stainless Steel Frame, Add	955.36	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	647.65	82.74
		For Auxiliary Frame Reinforcement For Hinges, Add	72.33	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	57.86	
		For Baked Enamel Finish, Add	169.47	
		For 18 Gauge Frame, Deduct	-48.22	
		For 14 Gauge Frame, Add	120.54	
		For 12 Gauge Frame, Add	183.22	
		For Type 304 Stainless Steel Frame, Add	876.18	
		For Type 316 Stainless Steel Frame, Add	1,020.83	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	655.53	86.69
		For Auxiliary Frame Reinforcement For Hinges, Add	72.33	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	57.86	
		For Baked Enamel Finish, Add	170.66	
		For 18 Gauge Frame, Deduct	-48.22	
		For 14 Gauge Frame, Add	120.54	
		For 12 Gauge Frame, Add	183.22	
		For Type 304 Stainless Steel Frame, Add	876.57	
		For Type 316 Stainless Steel Frame, Add	1,021.23	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	680.64	90.62
		For Auxiliary Frame Reinforcement For Hinges, Add	74.91	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	59.93	
		For Baked Enamel Finish, Add	177.00	
		For 18 Gauge Frame, Deduct	-49.94	
		For 14 Gauge Frame, Add	124.85	
		For 12 Gauge Frame, Add	189.77	
		For Type 304 Stainless Steel Frame, Add	907.96	
		For Type 316 Stainless Steel Frame, Add	1,057.78	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	705.74	94.56
		For Auxiliary Frame Reinforcement For Hinges, Add	77.49	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	61.99	
		For Baked Enamel Finish, Add	183.35	
		For 18 Gauge Frame, Deduct	-51.66	
		For 14 Gauge Frame, Add	129.15	
		For 12 Gauge Frame, Add	196.31	
		For Type 304 Stainless Steel Frame, Add	939.35	
		For Type 316 Stainless Steel Frame, Add	1,094.34	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	713.61	98.50
		For Auxiliary Frame Reinforcement For Hinges, Add	77.49	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	61.99	
		For Baked Enamel Finish, Add	184.53	
		For 18 Gauge Frame, Deduct	-51.66	
		For 14 Gauge Frame, Add	129.15	
		For 12 Gauge Frame, Add	196.31	
		For Type 304 Stainless Steel Frame, Add	939.75	
		For Type 316 Stainless Steel Frame, Add	1,094.73	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	726.16	100.47
		For Auxiliary Frame Reinforcement For Hinges, Add	78.78	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	63.03	
		For Baked Enamel Finish, Add	187.71	
		For 18 Gauge Frame, Deduct	-52.52	
		For 14 Gauge Frame, Add	131.31	
		For 12 Gauge Frame, Add	199.58	
		For Type 304 Stainless Steel Frame, Add	955.44	
		For Type 316 Stainless Steel Frame, Add	1,113.01	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	738.72	102.44
		For Auxiliary Frame Reinforcement For Hinges, Add	80.07	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	64.06	
		For Baked Enamel Finish, Add	190.88	
		For 18 Gauge Frame, Deduct	-53.38	
		For 14 Gauge Frame, Add	133.46	
		For 12 Gauge Frame, Add	202.86	
		For Type 304 Stainless Steel Frame, Add	971.14	
		For Type 316 Stainless Steel Frame, Add	1,131.29	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	777.10	104.41
		For Auxiliary Frame Reinforcement For Hinges, Add	85.24	
		For Welded Frames, Add	95.88	
		For Galvanized Frames, Add	68.19	
		For Baked Enamel Finish, Add	201.81	
		For 18 Gauge Frame, Deduct	-56.83	
		For 14 Gauge Frame, Add	142.07	
		For 12 Gauge Frame, Add	215.94	
		For Type 304 Stainless Steel Frame, Add	1,033.33	
		For Type 316 Stainless Steel Frame, Add	1,203.81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0165 EA 8' x >7'-2" Through 9' High, 8-7/8" Through 13' Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	815.49	106.38
For Auxiliary Frame Reinforcement For Hinges, Add	90.41	
For Welded Frames, Add	95.88	
For Galvanized Frames, Add	72.33	
For Baked Enamel Finish, Add	212.73	
For 18 Gauge Frame, Deduct	-60.27	
For 14 Gauge Frame, Add	150.68	
For 12 Gauge Frame, Add	229.03	
For Type 304 Stainless Steel Frame, Add	1,095.53	
For Type 316 Stainless Steel Frame, Add	1,276.35	
08 12 13 13-0166 Sidelights And Transoms (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167 Fixed Steel Transoms (08 12 13 13-0166)		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168 SF 4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	51.34	11.03
For Movable Frame, Add	10.27	
For 18 Gauge Frame, Deduct	-2.93	
For 14 Gauge Frame, Add	7.32	
For 12 Gauge Frame, Add	11.12	
08 12 13 13-0169 SF 5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	53.56	11.42
For Movable Frame, Add	10.71	
For 18 Gauge Frame, Deduct	-3.07	
For 14 Gauge Frame, Add	7.68	
For 12 Gauge Frame, Add	11.67	
08 12 13 13-0170 SF 6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	55.90	11.82
For Movable Frame, Add	11.18	
For 18 Gauge Frame, Deduct	-3.23	
For 14 Gauge Frame, Add	8.07	
For 12 Gauge Frame, Add	12.26	
08 12 13 13-0171 Operable Steel Transom Sash (08 12 13 13-0166)		
Note: Includes hardware.		
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	71.11	11.03
For 18 Gauge Frame, Deduct	-4.90	
For 14 Gauge Frame, Add	12.26	
For 12 Gauge Frame, Add	18.64	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	74.35	11.42
For 18 Gauge Frame, Deduct	-5.15	
For 14 Gauge Frame, Add	12.88	
For 12 Gauge Frame, Add	19.57	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	77.71	11.82
For 18 Gauge Frame, Deduct	-5.41	
For 14 Gauge Frame, Add	13.52	
For 12 Gauge Frame, Add	20.55	
08 12 13 13-0175 Sidelights, Steel Frame (08 12 13 13-0166)		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame	53.52	11.03
For 18 Gauge Frame, Deduct	-3.15	
For 14 Gauge Frame, Add	7.86	
For 12 Gauge Frame, Add	11.95	
08 12 13 13-0177 SF 5-3/4" Deep Sidelights, 16 Gauge Frame	55.88	11.42
For 18 Gauge Frame, Deduct	-3.30	
For 14 Gauge Frame, Add	8.26	
For 12 Gauge Frame, Add	12.55	
08 12 13 13-0178 SF 6-3/4" Deep Sidelights, 16 Gauge Frame	58.31	11.82
For 18 Gauge Frame, Deduct	-3.47	
For 14 Gauge Frame, Add	8.67	
For 12 Gauge Frame, Add	13.17	
08 12 13 13-0179 Sundry Hollow Metal Frame Sections (08 12 13 13)		
Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)		
08 12 13 13-0181 LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.01	4.41
For 18 Gauge Frame, Deduct	-1.99	
For 14 Gauge Frame, Add	4.98	
For 12 Gauge Frame, Add	7.57	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0182 LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	31.81	4.41
For 18 Gauge Frame, Deduct	-2.07	
For 14 Gauge Frame, Add	5.18	
For 12 Gauge Frame, Add	7.87	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183 LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	31.33	4.57
For 18 Gauge Frame, Deduct	-1.99	
For 14 Gauge Frame, Add	4.98	
For 12 Gauge Frame, Add	7.57	
For 3 Hour Frame, Add	8.00	
For 1-1/2 Hour Frame, Add	5.00	
For 3/4 Hour Frame, Add	4.00	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0184	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	32.57	4.57
	For 18 Gauge Frame, Deduct	-2.12	
	For 14 Gauge Frame, Add	5.29	
	For 12 Gauge Frame, Add	8.04	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	32.57	4.65
	For 18 Gauge Frame, Deduct	-2.09	
	For 14 Gauge Frame, Add	5.23	
	For 12 Gauge Frame, Add	7.94	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	33.04	4.65
	For 18 Gauge Frame, Deduct	-2.14	
	For 14 Gauge Frame, Add	5.34	
	For 12 Gauge Frame, Add	8.12	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187	16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)		
08 12 13 13-0188	LF 4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	21.05	4.41
	For 18 Gauge Frame, Deduct	-1.00	
	For 14 Gauge Frame, Add	2.49	
	For 12 Gauge Frame, Add	3.78	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0189	LF 4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	22.07	4.41
	For 18 Gauge Frame, Deduct	-1.10	
	For 14 Gauge Frame, Add	2.74	
	For 12 Gauge Frame, Add	4.17	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190	LF 5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	21.37	4.57
	For 18 Gauge Frame, Deduct	-1.00	
	For 14 Gauge Frame, Add	2.49	
	For 12 Gauge Frame, Add	3.78	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191	LF 5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	22.39	4.57
	For 18 Gauge Frame, Deduct	-1.10	
	For 14 Gauge Frame, Add	2.74	
	For 12 Gauge Frame, Add	4.17	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192	LF 6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	22.12	4.65
	For 18 Gauge Frame, Deduct	-1.05	
	For 14 Gauge Frame, Add	2.61	
	For 12 Gauge Frame, Add	3.97	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0193	LF 6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	23.00	4.65
	For 18 Gauge Frame, Deduct	-1.13	
	For 14 Gauge Frame, Add	2.83	
	For 12 Gauge Frame, Add	4.31	
	For 3 Hour Frame, Add	8.00	
	For 1-1/2 Hour Frame, Add	5.00	
	For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0194	Metal Frames Accessories (08 12 13 13)		
08 12 13 13-0195	EA For 1' Extension Of New Door Frame	35.72	
08 12 19	Stainless-Steel Frames (08 12)		
08 12 19 00-0001	4-3/4" To 6" Deep Frame, 14 Gauge, Type 304 Stainless Steel Single Door Frame (08 12 19)		
	Note: Excludes center mullion.		
08 12 19 00-0002	EA 2'-6" x 7'-0", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	1,633.67	59.10
	For 12 Gauge Frame, Add	452.49	
	For 16 Gauge Frame, Deduct	-131.22	
	For 18 Gauge Frame, Deduct	-171.95	
	For Seamless Welded Frame, Add	298.64	
	For 316 Stainless Steel Frame, Add	556.56	
08 12 19 00-0003	EA 3' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	1,688.83	86.69
	For 12 Gauge Frame, Add	458.56	
	For 16 Gauge Frame, Deduct	-132.98	
	For 18 Gauge Frame, Deduct	-174.25	
	For Seamless Welded Frame, Add	302.65	
	For 316 Stainless Steel Frame, Add	564.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 19 00-0004	EA		3'-6" x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	1,711.95	86.69
			For 12 Gauge Frame, Add	465.26	
			For 16 Gauge Frame, Deduct	-134.93	
			For 18 Gauge Frame, Deduct	-176.80	
			For Seamless Welded Frame, Add	307.07	
			For 316 Stainless Steel Frame, Add	572.27	
08 12 19 00-0005	EA		4' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	1,711.10	86.69
			For 12 Gauge Frame, Add	465.01	
			For 16 Gauge Frame, Deduct	-134.85	
			For 18 Gauge Frame, Deduct	-176.71	
			For Seamless Welded Frame, Add	306.91	
			For 316 Stainless Steel Frame, Add	571.97	
08 12 19 00-0006	EA		3' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	1,917.15	90.62
			For 12 Gauge Frame, Add	523.35	
			For 16 Gauge Frame, Deduct	-151.77	
			For 18 Gauge Frame, Deduct	-198.87	
			For Seamless Welded Frame, Add	345.41	
			For 316 Stainless Steel Frame, Add	643.72	
08 12 19 00-0007	EA		3'-6" x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	1,943.00	90.62
			For 12 Gauge Frame, Add	530.85	
			For 16 Gauge Frame, Deduct	-153.95	
			For 18 Gauge Frame, Deduct	-201.72	
			For Seamless Welded Frame, Add	350.36	
			For 316 Stainless Steel Frame, Add	652.94	
08 12 19 00-0008	EA		4' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	1,818.82	92.59
			For 12 Gauge Frame, Add	494.12	
			For 16 Gauge Frame, Deduct	-143.30	
			For 18 Gauge Frame, Deduct	-187.77	
			For Seamless Welded Frame, Add	326.12	
			For 316 Stainless Steel Frame, Add	607.77	
08 12 19 00-0009	EA		5' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,135.27	94.56
			For 12 Gauge Frame, Add	585.18	
			For 16 Gauge Frame, Deduct	-169.70	
			For 18 Gauge Frame, Deduct	-222.37	
			For Seamless Welded Frame, Add	386.22	
			For 316 Stainless Steel Frame, Add	719.78	
08 12 19 00-0010	EA		6' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,151.03	102.44
			For 12 Gauge Frame, Add	586.92	
			For 16 Gauge Frame, Deduct	-170.21	
			For 18 Gauge Frame, Deduct	-223.03	
			For Seamless Welded Frame, Add	387.37	
			For 316 Stainless Steel Frame, Add	721.91	
08 12 19 00-0011	EA		7' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,238.02	104.41
			For 12 Gauge Frame, Add	611.44	
			For 16 Gauge Frame, Deduct	-177.32	
			For 18 Gauge Frame, Deduct	-232.35	
			For Seamless Welded Frame, Add	403.55	
			For 316 Stainless Steel Frame, Add	752.07	
08 12 19 00-0012	EA		5' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,239.04	98.50
			For 12 Gauge Frame, Add	613.86	
			For 16 Gauge Frame, Deduct	-178.02	
			For 18 Gauge Frame, Deduct	-233.27	
			For Seamless Welded Frame, Add	405.15	
			For 316 Stainless Steel Frame, Add	755.05	
08 12 19 00-0013	EA		6' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,250.87	104.41
			For 12 Gauge Frame, Add	615.16	
			For 16 Gauge Frame, Deduct	-178.40	
			For 18 Gauge Frame, Deduct	-233.76	
			For Seamless Welded Frame, Add	406.01	
			For 316 Stainless Steel Frame, Add	756.65	
08 12 19 00-0014	EA		7' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,336.15	106.38
			For 12 Gauge Frame, Add	639.18	
			For 16 Gauge Frame, Deduct	-185.36	
			For 18 Gauge Frame, Deduct	-242.89	
			For Seamless Welded Frame, Add	421.86	
			For 316 Stainless Steel Frame, Add	786.20	
08 12 19 00-0015	EA		8' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	2,344.02	110.33
			For 12 Gauge Frame, Add	640.05	
			For 16 Gauge Frame, Deduct	-185.61	
			For 18 Gauge Frame, Deduct	-243.22	
			For Seamless Welded Frame, Add	422.43	
			For 316 Stainless Steel Frame, Add	787.26	

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)

08 13 13 13 Standard Hollow Metal Doors (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet that has been coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0003	EA 2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	545.57	43.34
	For Embossed Panel Door, Add	110.13	
	For Baked Enamel Finish, Add	150.67	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-29.45	
	For >100, Deduct	-43.09	
	For Polystyrene Core, Add	45.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.72	
	For Galvanized Steel Door, Add	91.78	
08 13 13 13-0004	EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	545.57	43.34
	For Embossed Panel Door, Add	110.13	
	For Baked Enamel Finish, Add	150.67	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-29.45	
	For >100, Deduct	-43.09	
	For Polystyrene Core, Add	45.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	114.72	
	For Galvanized Steel Door, Add	91.78	
08 13 13 13-0005	EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	558.88	45.31
	For Embossed Panel Door, Add	112.38	
	For Baked Enamel Finish, Add	154.07	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-30.21	
	For >100, Deduct	-44.18	
	For Polystyrene Core, Add	46.83	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.07	
	For Galvanized Steel Door, Add	93.65	
08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	565.87	45.31
	For Embossed Panel Door, Add	114.06	
	For Baked Enamel Finish, Add	156.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-30.56	
	For >100, Deduct	-44.71	
	For Polystyrene Core, Add	47.53	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	118.81	
	For Galvanized Steel Door, Add	95.05	
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	570.64	46.29
	For Embossed Panel Door, Add	114.73	
	For Baked Enamel Finish, Add	157.30	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-30.85	
	For >100, Deduct	-45.11	
	For Polystyrene Core, Add	47.81	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.51	
	For Galvanized Steel Door, Add	95.61	
	For Type 304 Stainless Steel Door, Add	382.44	
	For Type 316 Stainless Steel Door, Add	621.47	
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.76	
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	575.40	47.28
	For Embossed Panel Door, Add	115.40	
	For Baked Enamel Finish, Add	158.44	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-31.13	
	For >100, Deduct	-45.52	
	For Polystyrene Core, Add	48.08	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.21	
	For Galvanized Steel Door, Add	96.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0009	EA		3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	611.75	47.28
			<i>For Embossed Panel Door, Add</i>	124.13	
			<i>For Baked Enamel Finish, Add</i>	169.34	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.95	
			<i>For >100, Deduct</i>	-48.25	
			<i>For Polystyrene Core, Add</i>	51.72	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	129.30	
			<i>For Galvanized Steel Door, Add</i>	103.44	
08 13 13 13-0010	EA		3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	629.66	49.25
			<i>For Embossed Panel Door, Add</i>	127.48	
			<i>For Baked Enamel Finish, Add</i>	174.12	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-33.95	
			<i>For >100, Deduct</i>	-49.69	
			<i>For Polystyrene Core, Add</i>	53.12	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	132.79	
			<i>For Galvanized Steel Door, Add</i>	106.23	
08 13 13 13-0011	EA		4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	693.46	53.19
			<i>For Embossed Panel Door, Add</i>	140.90	
			<i>For Baked Enamel Finish, Add</i>	192.08	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-37.33	
			<i>For >100, Deduct</i>	-54.67	
			<i>For Polystyrene Core, Add</i>	58.71	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	146.77	
			<i>For Galvanized Steel Door, Add</i>	117.42	
08 13 13 13-0012			7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0001)</small>		
08 13 13 13-0013	EA		2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	557.59	43.34
			<i>For Embossed Panel Door, Add</i>	113.02	
			<i>For Baked Enamel Finish, Add</i>	154.27	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.05	
			<i>For >100, Deduct</i>	-43.99	
			<i>For Polystyrene Core, Add</i>	47.09	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	117.73	
			<i>For Galvanized Steel Door, Add</i>	94.18	
08 13 13 13-0014	EA		2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	557.59	43.34
			<i>For Embossed Panel Door, Add</i>	113.02	
			<i>For Baked Enamel Finish, Add</i>	154.27	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.05	
			<i>For >100, Deduct</i>	-43.99	
			<i>For Polystyrene Core, Add</i>	47.09	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	117.73	
			<i>For Galvanized Steel Door, Add</i>	94.18	
08 13 13 13-0015	EA		2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	571.15	45.31
			<i>For Embossed Panel Door, Add</i>	115.33	
			<i>For Baked Enamel Finish, Add</i>	157.75	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.82	
			<i>For >100, Deduct</i>	-45.10	
			<i>For Polystyrene Core, Add</i>	48.05	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	120.13	
			<i>For Galvanized Steel Door, Add</i>	96.11	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	578.32	45.31
		For Embossed Panel Door, Add	117.05	
		For Baked Enamel Finish, Add	159.90	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.18	
		For >100, Deduct	-45.64	
		For Polystyrene Core, Add	48.77	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.93	
		For Galvanized Steel Door, Add	97.54	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	583.16	46.29
		For Embossed Panel Door, Add	117.74	
		For Baked Enamel Finish, Add	161.06	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.47	
		For >100, Deduct	-46.05	
		For Polystyrene Core, Add	49.06	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.64	
		For Galvanized Steel Door, Add	98.11	
		For Type 304 Stainless Steel Door, Add	392.46	
		For Type 316 Stainless Steel Door, Add	637.74	
		For Continuously Welded And Filled Vertical Edge Seam, Add	61.32	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	588.00	47.28
		For Embossed Panel Door, Add	118.43	
		For Baked Enamel Finish, Add	162.22	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.76	
		For >100, Deduct	-46.46	
		For Polystyrene Core, Add	49.34	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.36	
		For Galvanized Steel Door, Add	98.69	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	625.30	47.28
		For Embossed Panel Door, Add	127.38	
		For Baked Enamel Finish, Add	173.41	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.63	
		For >100, Deduct	-49.26	
		For Polystyrene Core, Add	53.07	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.69	
		For Galvanized Steel Door, Add	106.15	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	643.58	49.25
		For Embossed Panel Door, Add	130.82	
		For Baked Enamel Finish, Add	178.30	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.64	
		For >100, Deduct	-50.73	
		For Polystyrene Core, Add	54.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.27	
		For Galvanized Steel Door, Add	109.02	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	708.84	53.19
		For Embossed Panel Door, Add	144.59	
		For Baked Enamel Finish, Add	196.70	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.10	
		For >100, Deduct	-55.82	
		For Polystyrene Core, Add	60.25	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.62	
		For Galvanized Steel Door, Add	120.49	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	569.27	43.34
		For Embossed Panel Door, Add	115.82	
		For Baked Enamel Finish, Add	157.78	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-30.63	
		For >100, Deduct	-44.86	
		For Polystyrene Core, Add	48.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.65	
		For Galvanized Steel Door, Add	96.52	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	569.27	43.34
		For Embossed Panel Door, Add	115.82	
		For Baked Enamel Finish, Add	157.78	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-30.63	
		For >100, Deduct	-44.86	
		For Polystyrene Core, Add	48.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.65	
		For Galvanized Steel Door, Add	96.52	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	583.07	45.31
		For Embossed Panel Door, Add	118.19	
		For Baked Enamel Finish, Add	161.33	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.42	
		For >100, Deduct	-46.00	
		For Polystyrene Core, Add	49.25	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.11	
		For Galvanized Steel Door, Add	98.49	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	590.42	45.31
		For Embossed Panel Door, Add	119.95	
		For Baked Enamel Finish, Add	163.53	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.79	
		For >100, Deduct	-46.55	
		For Polystyrene Core, Add	49.98	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.95	
		For Galvanized Steel Door, Add	99.96	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	595.32	46.29
		For Embossed Panel Door, Add	120.66	
		For Baked Enamel Finish, Add	164.71	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.08	
		For >100, Deduct	-46.96	
		For Polystyrene Core, Add	50.27	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.68	
		For Galvanized Steel Door, Add	100.55	
For Type 304 Stainless Steel Door, Add	402.18			
For Type 316 Stainless Steel Door, Add	653.55			
For Continuously Welded And Filled Vertical Edge Seam, Add	62.84			
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	600.24	47.28
		For Embossed Panel Door, Add	121.36	
		For Baked Enamel Finish, Add	165.89	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.38	
		For >100, Deduct	-47.38	
		For Polystyrene Core, Add	50.57	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.42	
		For Galvanized Steel Door, Add	101.14	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	638.46	47.28
		For Embossed Panel Door, Add	130.54	
		For Baked Enamel Finish, Add	177.35	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.29	
		For >100, Deduct	-50.25	
		For Polystyrene Core, Add	54.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.98	
		For Galvanized Steel Door, Add	108.78	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	657.10	49.25
		For Embossed Panel Door, Add	134.06	
		For Baked Enamel Finish, Add	182.36	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-35.32	
		For >100, Deduct	-51.75	
		For Polystyrene Core, Add	55.86	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.65	
		For Galvanized Steel Door, Add	111.72	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	723.78	53.19
		For Embossed Panel Door, Add	148.18	
		For Baked Enamel Finish, Add	201.18	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.85	
		For >100, Deduct	-56.94	
		For Polystyrene Core, Add	61.74	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	154.35	
		For Galvanized Steel Door, Add	123.48	
08 13 13 13-0032		18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13		
		¹³)		
08 13 13 13-0033		6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal		
		Doors (08 13 13-0032)		
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	582.69	43.34
		For Embossed Panel Door, Add	119.04	
		For Baked Enamel Finish, Add	161.80	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.30	
		For >100, Deduct	-45.87	
		For 2" Thick Door, Add	38.13	
		For Polystyrene Core, Add	49.60	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.00	
		For Galvanized Steel Door, Add	99.20	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	582.69	43.34
		For Embossed Panel Door, Add	119.04	
		For Baked Enamel Finish, Add	161.80	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-31.30	
		For >100, Deduct	-45.87	
		For 2" Thick Door, Add	38.13	
		For Polystyrene Core, Add	49.60	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.00	
		For Galvanized Steel Door, Add	99.20	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	596.77	45.31
		For Embossed Panel Door, Add	121.48	
		For Baked Enamel Finish, Add	165.44	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.10	
		For >100, Deduct	-47.02	
		For 2" Thick Door, Add	38.96	
		For Polystyrene Core, Add	50.62	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.54	
		For Galvanized Steel Door, Add	101.23	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	604.32	45.31
		For Embossed Panel Door, Add	123.29	
		For Baked Enamel Finish, Add	167.70	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.48	
		For >100, Deduct	-47.59	
		For 2" Thick Door, Add	39.51	
		For Polystyrene Core, Add	51.37	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.43	
		For Galvanized Steel Door, Add	102.74	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	609.30	46.29
		For Embossed Panel Door, Add	124.01	
		For Baked Enamel Finish, Add	168.90	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-32.78	
		For >100, Deduct	-48.01	
		For 2" Thick Door, Add	39.78	
		For Polystyrene Core, Add	51.67	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.18	
		For Galvanized Steel Door, Add	103.34	
		For Type 304 Stainless Steel Door, Add	413.37	
		For Type 316 Stainless Steel Door, Add	671.72	
		For Continuously Welded And Filled Vertical Edge Seam, Add	64.59	
		For Steel Stiffened, Add	129.18	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	614.30	47.28
		For Embossed Panel Door, Add	124.74	
		For Baked Enamel Finish, Add	170.11	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.08	
		For >100, Deduct	-48.44	
		For 2" Thick Door, Add	40.05	
		For Polystyrene Core, Add	51.97	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.94	
		For Galvanized Steel Door, Add	103.95	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	653.59	47.28
		For Embossed Panel Door, Add	134.17	
		For Baked Enamel Finish, Add	181.89	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-35.04	
		For >100, Deduct	-51.38	
		For 2" Thick Door, Add	42.89	
		For Polystyrene Core, Add	55.90	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.76	
		For Galvanized Steel Door, Add	111.81	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	672.64	49.25
		For Embossed Panel Door, Add	137.79	
		For Baked Enamel Finish, Add	187.02	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.09	
		For >100, Deduct	-52.91	
		For 2" Thick Door, Add	44.09	
		For Polystyrene Core, Add	57.41	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	143.54	
		For Galvanized Steel Door, Add	114.83	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	740.95	53.19
		For Embossed Panel Door, Add	152.30	
		For Baked Enamel Finish, Add	206.33	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-39.71	
		For >100, Deduct	-58.23	
		For 2" Thick Door, Add	48.67	
		For Polystyrene Core, Add	63.46	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.64	
		For Galvanized Steel Door, Add	126.91	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0043	7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0044	EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	594.46	43.34
	For Embossed Panel Door, Add	121.86	
	For Baked Enamel Finish, Add	165.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-31.89	
	For >100, Deduct	-46.75	
	For 2" Thick Door, Add	38.98	
	For Polystyrene Core, Add	50.78	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.94	
	For Galvanized Steel Door, Add	101.55	
08 13 13 13-0045	EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	594.46	43.34
	For Embossed Panel Door, Add	121.86	
	For Baked Enamel Finish, Add	165.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-31.89	
	For >100, Deduct	-46.75	
	For 2" Thick Door, Add	38.98	
	For Polystyrene Core, Add	50.78	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.94	
	For Galvanized Steel Door, Add	101.55	
08 13 13 13-0046	EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	608.78	45.31
	For Embossed Panel Door, Add	124.36	
	For Baked Enamel Finish, Add	169.04	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-32.70	
	For >100, Deduct	-47.92	
	For 2" Thick Door, Add	39.83	
	For Polystyrene Core, Add	51.82	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.54	
	For Galvanized Steel Door, Add	103.63	
08 13 13 13-0047	EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	616.51	45.31
	For Embossed Panel Door, Add	126.21	
	For Baked Enamel Finish, Add	171.36	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.09	
	For >100, Deduct	-48.50	
	For 2" Thick Door, Add	40.39	
	For Polystyrene Core, Add	52.59	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.47	
	For Galvanized Steel Door, Add	105.18	
08 13 13 13-0048	EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	621.57	46.29
	For Embossed Panel Door, Add	126.96	
	For Baked Enamel Finish, Add	172.58	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.39	
	For >100, Deduct	-48.93	
	For 2" Thick Door, Add	40.67	
	For Polystyrene Core, Add	52.90	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.25	
	For Galvanized Steel Door, Add	105.80	
	For Type 304 Stainless Steel Door, Add	423.18	
	For Type 316 Stainless Steel Door, Add	687.67	
	For Continuously Welded And Filled Vertical Edge Seam, Add	66.12	
	For Steel Stiffened, Add	132.25	
08 13 13 13-0049	EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	626.64	47.28
	For Embossed Panel Door, Add	127.70	
	For Baked Enamel Finish, Add	173.81	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-33.70	
	For >100, Deduct	-49.36	
	For 2" Thick Door, Add	40.94	
	For Polystyrene Core, Add	53.21	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	133.02	
	For Galvanized Steel Door, Add	106.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0050 EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	666.85	47.28
For Embossed Panel Door, Add	137.35	
For Baked Enamel Finish, Add	185.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-35.71	
For >100, Deduct	-52.38	
For 2" Thick Door, Add	43.86	
For Polystyrene Core, Add	57.23	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	143.07	
For Galvanized Steel Door, Add	114.46	
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	686.26	49.25
For Embossed Panel Door, Add	141.06	
For Baked Enamel Finish, Add	191.10	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.78	
For >100, Deduct	-53.93	
For 2" Thick Door, Add	45.08	
For Polystyrene Core, Add	58.78	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.94	
For Galvanized Steel Door, Add	117.55	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	756.01	53.19
For Embossed Panel Door, Add	155.91	
For Baked Enamel Finish, Add	210.85	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.46	
For >100, Deduct	-59.36	
For 2" Thick Door, Add	49.76	
For Polystyrene Core, Add	64.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.41	
For Galvanized Steel Door, Add	129.93	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0054 EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	606.24	43.34
For Embossed Panel Door, Add	124.69	
For Baked Enamel Finish, Add	168.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.48	
For >100, Deduct	-47.64	
For 2" Thick Door, Add	39.83	
For Polystyrene Core, Add	51.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.89	
For Galvanized Steel Door, Add	103.91	
08 13 13 13-0055 EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	606.24	43.34
For Embossed Panel Door, Add	124.69	
For Baked Enamel Finish, Add	168.87	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-32.48	
For >100, Deduct	-47.64	
For 2" Thick Door, Add	39.83	
For Polystyrene Core, Add	51.96	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.89	
For Galvanized Steel Door, Add	103.91	
08 13 13 13-0056 EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	620.79	45.31
For Embossed Panel Door, Add	127.24	
For Baked Enamel Finish, Add	172.64	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-33.31	
For >100, Deduct	-48.82	
For 2" Thick Door, Add	40.70	
For Polystyrene Core, Add	53.02	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.54	
For Galvanized Steel Door, Add	106.03	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	628.70	45.31
		For Embossed Panel Door, Add	129.14	
		For Baked Enamel Finish, Add	175.02	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.70	
		For >100, Deduct	-49.42	
		For 2" Thick Door, Add	41.28	
		For Polystyrene Core, Add	53.81	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	134.52	
		For Galvanized Steel Door, Add	107.62	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	638.97	47.28
		For Embossed Panel Door, Add	130.66	
		For Baked Enamel Finish, Add	177.51	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.31	
		For >100, Deduct	-50.29	
		For 2" Thick Door, Add	41.83	
		For Polystyrene Core, Add	54.44	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.10	
		For Galvanized Steel Door, Add	108.88	
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	680.12	47.28
		For Embossed Panel Door, Add	140.53	
		For Baked Enamel Finish, Add	189.85	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.37	
		For >100, Deduct	-53.37	
		For 2" Thick Door, Add	44.82	
		For Polystyrene Core, Add	58.56	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.39	
		For Galvanized Steel Door, Add	117.11	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	699.89	49.25
		For Embossed Panel Door, Add	144.33	
		For Baked Enamel Finish, Add	195.19	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-37.46	
		For >100, Deduct	-54.95	
		For 2" Thick Door, Add	46.06	
		For Polystyrene Core, Add	60.14	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.35	
		For Galvanized Steel Door, Add	120.28	
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	771.07	53.19
		For Embossed Panel Door, Add	159.53	
		For Baked Enamel Finish, Add	215.36	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-41.21	
		For >100, Deduct	-60.49	
		For 2" Thick Door, Add	50.85	
		For Polystyrene Core, Add	66.47	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.17	
		For Galvanized Steel Door, Add	132.94	

08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	703.33	43.34
		For Up To 1' Extra Height, Add	170.62	
		For 1' To 1'-6" Extra Height, Add	325.52	
		For Embossed Panel Door, Add	147.99	
		For Baked Enamel Finish, Add	198.00	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-37.33	
		For >100, Deduct	-54.92	
		For 2" Thick Door, Add	46.87	
		For Polystyrene Core, Add	61.66	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	154.16	
		For Galvanized Steel Door, Add	123.33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0064 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	703.33	43.34
For Up To 1' Extra Height, Add	170.62	
For 1' To 1'-6" Extra Height, Add	325.52	
For Embossed Panel Door, Add	147.99	
For Baked Enamel Finish, Add	198.00	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.33	
For >100, Deduct	-54.92	
For 2" Thick Door, Add	46.87	
For Polystyrene Core, Add	61.66	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	154.16	
For Galvanized Steel Door, Add	123.33	
08 13 13 13-0065 EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	719.88	45.31
For Up To 1' Extra Height, Add	174.12	
For 1' To 1'-6" Extra Height, Add	332.19	
For Embossed Panel Door, Add	151.02	
For Baked Enamel Finish, Add	202.37	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.26	
For >100, Deduct	-56.26	
For 2" Thick Door, Add	47.89	
For Polystyrene Core, Add	62.93	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.32	
For Galvanized Steel Door, Add	125.85	
08 13 13 13-0066 EA 2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	729.27	45.31
For Up To 1' Extra Height, Add	176.71	
For 1' To 1'-6" Extra Height, Add	337.14	
For Embossed Panel Door, Add	153.28	
For Baked Enamel Finish, Add	205.19	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.73	
For >100, Deduct	-56.96	
For 2" Thick Door, Add	48.57	
For Polystyrene Core, Add	63.87	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.66	
For Galvanized Steel Door, Add	127.73	
08 13 13 13-0067 EA 2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	734.99	46.29
For Up To 1' Extra Height, Add	177.75	
For 1' To 1'-6" Extra Height, Add	339.12	
For Embossed Panel Door, Add	154.18	
For Baked Enamel Finish, Add	206.61	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-39.06	
For >100, Deduct	-57.44	
For 2" Thick Door, Add	48.89	
For Polystyrene Core, Add	64.24	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.60	
For Galvanized Steel Door, Add	128.48	
For Type 304 Stainless Steel Door, Add	513.92	
For Type 316 Stainless Steel Door, Add	835.12	
For Continuously Welded And Filled Vertical Edge Seam, Add	80.30	
For Steel Stiffened, Add	160.60	
08 13 13 13-0068 EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	740.72	47.28
For Up To 1' Extra Height, Add	178.79	
For 1' To 1'-6" Extra Height, Add	341.11	
For Embossed Panel Door, Add	155.08	
For Baked Enamel Finish, Add	208.03	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-39.40	
For >100, Deduct	-57.92	
For 2" Thick Door, Add	49.21	
For Polystyrene Core, Add	64.62	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.54	
For Galvanized Steel Door, Add	129.23	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0069	EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	789.56	47.28
	For Up To 1' Extra Height, Add	192.31	
	For 1' To 1'-6" Extra Height, Add	366.89	
	For Embossed Panel Door, Add	166.80	
	For Baked Enamel Finish, Add	222.68	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.84	
	For >100, Deduct	-61.58	
	For 2" Thick Door, Add	52.75	
	For Polystyrene Core, Add	69.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.75	
	For Galvanized Steel Door, Add	139.00	
08 13 13 13-0070	EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	812.28	49.25
	For Up To 1' Extra Height, Add	197.50	
	For 1' To 1'-6" Extra Height, Add	376.80	
	For Embossed Panel Door, Add	171.31	
	For Baked Enamel Finish, Add	228.91	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-43.08	
	For >100, Deduct	-63.38	
	For 2" Thick Door, Add	54.21	
	For Polystyrene Core, Add	71.38	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.45	
	For Galvanized Steel Door, Add	142.76	
08 13 13 13-0071	EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door	895.30	53.19
	For Up To 1' Extra Height, Add	218.29	
	For 1' To 1'-6" Extra Height, Add	416.47	
	For Embossed Panel Door, Add	189.34	
	For Baked Enamel Finish, Add	252.63	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.42	
	For >100, Deduct	-69.81	
	For 2" Thick Door, Add	59.86	
	For Polystyrene Core, Add	78.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	197.23	
	For Galvanized Steel Door, Add	157.78	
08 13 13 13-0072	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0073	6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0074	EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	773.65	43.34
	For Embossed Panel Door, Add	164.87	
	For Baked Enamel Finish, Add	219.09	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.85	
	For >100, Deduct	-60.19	
	For 2" Thick Door, Add	51.97	
	For Polystyrene Core, Add	68.70	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.74	
	For 14 Gauge, Level 4 Maximum Duty, Add	274.78	
	For Galvanized Steel Door, Add	137.39	
08 13 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	773.65	43.34
	For Embossed Panel Door, Add	164.87	
	For Baked Enamel Finish, Add	219.09	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.85	
	For >100, Deduct	-60.19	
	For 2" Thick Door, Add	51.97	
	For Polystyrene Core, Add	68.70	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.74	
	For 14 Gauge, Level 4 Maximum Duty, Add	274.78	
	For Galvanized Steel Door, Add	137.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0076 EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	791.63	45.31
For Embossed Panel Door, Add	168.24	
For Baked Enamel Finish, Add	223.90	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-41.85	
For >100, Deduct	-61.64	
For 2" Thick Door, Add	53.09	
For Polystyrene Core, Add	70.10	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.25	
For 14 Gauge, Level 4 Maximum Duty, Add	280.40	
For Galvanized Steel Door, Add	140.20	
08 13 13 13-0077 EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	802.09	45.31
For Embossed Panel Door, Add	170.75	
For Baked Enamel Finish, Add	227.03	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.37	
For >100, Deduct	-62.42	
For 2" Thick Door, Add	53.85	
For Polystyrene Core, Add	71.15	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.87	
For 14 Gauge, Level 4 Maximum Duty, Add	284.59	
For Galvanized Steel Door, Add	142.29	
08 13 13 13-0078 EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	808.26	46.29
For Embossed Panel Door, Add	171.76	
For Baked Enamel Finish, Add	228.59	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.73	
For >100, Deduct	-62.93	
For 2" Thick Door, Add	54.20	
For Polystyrene Core, Add	71.57	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.92	
For 14 Gauge, Level 4 Maximum Duty, Add	286.27	
For Galvanized Steel Door, Add	143.13	
For Type 304 Stainless Steel Door, Add	572.54	
For Type 316 Stainless Steel Door, Add	930.37	
For Continuously Welded And Filled Vertical Edge Seam, Add	89.46	
For Steel Stiffened, Add	178.92	
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	814.41	47.28
For Embossed Panel Door, Add	172.76	
For Baked Enamel Finish, Add	230.14	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.08	
For >100, Deduct	-63.44	
For 2" Thick Door, Add	54.55	
For Polystyrene Core, Add	71.99	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.96	
For 14 Gauge, Level 4 Maximum Duty, Add	287.94	
For Galvanized Steel Door, Add	143.97	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	868.81	47.28
For Embossed Panel Door, Add	185.82	
For Baked Enamel Finish, Add	246.46	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.80	
For >100, Deduct	-67.52	
For 2" Thick Door, Add	58.50	
For Polystyrene Core, Add	77.43	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	193.56	
For 14 Gauge, Level 4 Maximum Duty, Add	309.70	
For Galvanized Steel Door, Add	154.85	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0081	EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	893.68	49.25
	For Embossed Panel Door, Add	190.84	
	For Baked Enamel Finish, Add	253.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.15	
	For >100, Deduct	-69.49	
	For 2" Thick Door, Add	60.11	
	For Polystyrene Core, Add	79.52	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	198.80	
	For 14 Gauge, Level 4 Maximum Duty, Add	318.07	
	For Galvanized Steel Door, Add	159.04	
08 13 13 13-0082	EA 4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	985.26	53.19
	For Embossed Panel Door, Add	210.93	
	For Baked Enamel Finish, Add	279.62	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.92	
	For >100, Deduct	-76.55	
	For 2" Thick Door, Add	66.38	
	For Polystyrene Core, Add	87.89	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	219.72	
	For 14 Gauge, Level 4 Maximum Duty, Add	351.55	
	For Galvanized Steel Door, Add	175.78	
08 13 13 13-0083	7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0072)</small>		
08 13 13 13-0084	EA 2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	789.96	43.34
	For Embossed Panel Door, Add	168.78	
	For Baked Enamel Finish, Add	223.98	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.67	
	For >100, Deduct	-61.41	
	For 2" Thick Door, Add	53.15	
	For Polystyrene Core, Add	70.33	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.82	
	For 14 Gauge, Level 4 Maximum Duty, Add	281.31	
	For Galvanized Steel Door, Add	140.65	
08 13 13 13-0085	EA 2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	789.96	43.34
	For Embossed Panel Door, Add	168.78	
	For Baked Enamel Finish, Add	223.98	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.67	
	For >100, Deduct	-61.41	
	For 2" Thick Door, Add	53.15	
	For Polystyrene Core, Add	70.33	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.82	
	For 14 Gauge, Level 4 Maximum Duty, Add	281.31	
	For Galvanized Steel Door, Add	140.65	
08 13 13 13-0086	EA 2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	808.27	45.31
	For Embossed Panel Door, Add	172.24	
	For Baked Enamel Finish, Add	228.89	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.68	
	For >100, Deduct	-62.89	
	For 2" Thick Door, Add	54.30	
	For Polystyrene Core, Add	71.77	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.41	
	For 14 Gauge, Level 4 Maximum Duty, Add	287.06	
	For Galvanized Steel Door, Add	143.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0087 EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	818.98	45.31
For Embossed Panel Door, Add	174.81	
For Baked Enamel Finish, Add	232.10	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.21	
For >100, Deduct	-63.69	
For 2" Thick Door, Add	55.07	
For Polystyrene Core, Add	72.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.09	
For 14 Gauge, Level 4 Maximum Duty, Add	291.34	
For Galvanized Steel Door, Add	145.67	
08 13 13 13-0088 EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	825.23	46.29
For Embossed Panel Door, Add	175.83	
For Baked Enamel Finish, Add	233.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.58	
For >100, Deduct	-64.21	
For 2" Thick Door, Add	55.43	
For Polystyrene Core, Add	73.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.16	
For 14 Gauge, Level 4 Maximum Duty, Add	293.06	
For Galvanized Steel Door, Add	146.53	
For Type 304 Stainless Steel Door, Add	586.11	
For Type 316 Stainless Steel Door, Add	952.43	
For Continuously Welded And Filled Vertical Edge Seam, Add	91.58	
For Steel Stiffened, Add	183.16	
08 13 13 13-0089 EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	831.49	47.28
For Embossed Panel Door, Add	176.86	
For Baked Enamel Finish, Add	235.26	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-43.94	
For >100, Deduct	-64.73	
For 2" Thick Door, Add	55.79	
For Polystyrene Core, Add	73.69	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	184.23	
For 14 Gauge, Level 4 Maximum Duty, Add	294.77	
For Galvanized Steel Door, Add	147.39	
08 13 13 13-0090 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	887.19	47.28
For Embossed Panel Door, Add	190.23	
For Baked Enamel Finish, Add	251.97	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.72	
For >100, Deduct	-68.90	
For 2" Thick Door, Add	59.83	
For Polystyrene Core, Add	79.26	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	198.16	
For 14 Gauge, Level 4 Maximum Duty, Add	317.05	
For Galvanized Steel Door, Add	158.53	
08 13 13 13-0091 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	912.55	49.25
For Embossed Panel Door, Add	195.37	
For Baked Enamel Finish, Add	258.99	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.09	
For >100, Deduct	-70.90	
For 2" Thick Door, Add	61.48	
For Polystyrene Core, Add	81.41	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	203.51	
For 14 Gauge, Level 4 Maximum Duty, Add	325.62	
For Galvanized Steel Door, Add	162.81	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,006.12	53.19
		For Embossed Panel Door, Add	215.94	
		For Baked Enamel Finish, Add	285.88	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.97	
		For >100, Deduct	-78.12	
		For 2" Thick Door, Add	67.89	
		For Polystyrene Core, Add	89.97	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	224.94	
		For 14 Gauge, Level 4 Maximum Duty, Add	359.90	
		For Galvanized Steel Door, Add	179.95	
08 13 13 13-0093		7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow		
		Metal Doors (08 13 13 13-0072)		
08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	806.26	43.34
		For Embossed Panel Door, Add	172.70	
		For Baked Enamel Finish, Add	228.87	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-42.48	
		For >100, Deduct	-62.64	
		For 2" Thick Door, Add	54.34	
		For Polystyrene Core, Add	71.96	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.89	
		For 14 Gauge, Level 4 Maximum Duty, Add	287.83	
		For Galvanized Steel Door, Add	143.91	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	806.26	43.34
		For Embossed Panel Door, Add	172.70	
		For Baked Enamel Finish, Add	228.87	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-42.48	
		For >100, Deduct	-62.64	
		For 2" Thick Door, Add	54.34	
		For Polystyrene Core, Add	71.96	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.89	
		For 14 Gauge, Level 4 Maximum Duty, Add	287.83	
		For Galvanized Steel Door, Add	143.91	
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	824.91	45.31
		For Embossed Panel Door, Add	176.23	
		For Baked Enamel Finish, Add	233.88	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-43.51	
		For >100, Deduct	-64.13	
		For 2" Thick Door, Add	55.50	
		For Polystyrene Core, Add	73.43	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.57	
		For 14 Gauge, Level 4 Maximum Duty, Add	293.72	
		For Galvanized Steel Door, Add	146.86	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	835.87	45.31
		For Embossed Panel Door, Add	178.86	
		For Baked Enamel Finish, Add	237.17	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-44.06	
		For >100, Deduct	-64.96	
		For 2" Thick Door, Add	56.30	
		For Polystyrene Core, Add	74.53	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	186.31	
		For 14 Gauge, Level 4 Maximum Duty, Add	298.10	
		For Galvanized Steel Door, Add	149.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	842.23	46.29
			For Embossed Panel Door, Add	179.91	
			For Baked Enamel Finish, Add	238.78	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-44.43	
			For >100, Deduct	-65.48	
			For 2" Thick Door, Add	56.66	
			For Polystyrene Core, Add	74.96	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.41	
			For 14 Gauge, Level 4 Maximum Duty, Add	299.86	
			For Galvanized Steel Door, Add	149.93	
			For Type 304 Stainless Steel Door, Add	599.71	
			For Type 316 Stainless Steel Door, Add	974.53	
			For Continuously Welded And Filled Vertical Edge Seam, Add	93.71	
			For Steel Stiffened, Add	187.41	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	848.57	47.28
			For Embossed Panel Door, Add	180.96	
			For Baked Enamel Finish, Add	240.39	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-44.79	
			For >100, Deduct	-66.01	
			For 2" Thick Door, Add	57.03	
			For Polystyrene Core, Add	75.40	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	188.50	
			For 14 Gauge, Level 4 Maximum Duty, Add	301.60	
			For Galvanized Steel Door, Add	150.80	
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	905.56	47.28
			For Embossed Panel Door, Add	194.64	
			For Baked Enamel Finish, Add	257.48	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-47.64	
			For >100, Deduct	-70.28	
			For 2" Thick Door, Add	61.16	
			For Polystyrene Core, Add	81.10	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.75	
			For 14 Gauge, Level 4 Maximum Duty, Add	324.40	
			For Galvanized Steel Door, Add	162.20	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	931.42	49.25
			For Embossed Panel Door, Add	199.90	
			For Baked Enamel Finish, Add	264.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-49.03	
			For >100, Deduct	-72.32	
			For 2" Thick Door, Add	62.85	
			For Polystyrene Core, Add	83.29	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	208.23	
			For 14 Gauge, Level 4 Maximum Duty, Add	333.17	
			For Galvanized Steel Door, Add	166.58	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4"	16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,026.98	53.19
			For Embossed Panel Door, Add	220.94	
			For Baked Enamel Finish, Add	292.14	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-54.01	
			For >100, Deduct	-79.68	
			For 2" Thick Door, Add	69.40	
			For Polystyrene Core, Add	92.06	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	230.15	
			For 14 Gauge, Level 4 Maximum Duty, Add	368.24	
			For Galvanized Steel Door, Add	184.12	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	940.74	43.34
		<i>For Up To 1' Extra Height, Add</i>	236.32	
		<i>For Embossed Panel Door, Add</i>	204.97	
		<i>For Baked Enamel Finish, Add</i>	269.22	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-49.20	
		<i>For >100, Deduct</i>	-72.72	
		<i>For 2" Thick Door, Add</i>	64.09	
		<i>For Polystyrene Core, Add</i>	85.41	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	213.51	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	341.62	
		<i>For Galvanized Steel Door, Add</i>	170.81	
08 13 13 13-0105	EA	2-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	940.74	43.34
		<i>For Up To 1' Extra Height, Add</i>	236.32	
		<i>For Embossed Panel Door, Add</i>	204.97	
		<i>For Baked Enamel Finish, Add</i>	269.22	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-49.20	
		<i>For >100, Deduct</i>	-72.72	
		<i>For 2" Thick Door, Add</i>	64.09	
		<i>For Polystyrene Core, Add</i>	85.41	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	213.51	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	341.62	
		<i>For Galvanized Steel Door, Add</i>	170.81	
08 13 13 13-0106	EA	2-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	962.14	45.31
		<i>For Up To 1' Extra Height, Add</i>	241.15	
		<i>For Embossed Panel Door, Add</i>	209.16	
		<i>For Baked Enamel Finish, Add</i>	275.05	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-50.37	
		<i>For >100, Deduct</i>	-74.43	
		<i>For 2" Thick Door, Add</i>	65.45	
		<i>For Polystyrene Core, Add</i>	87.15	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	217.88	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	348.61	
		<i>For Galvanized Steel Door, Add</i>	174.30	
08 13 13 13-0107	EA	2-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	975.15	45.31
		<i>For Up To 1' Extra Height, Add</i>	244.75	
		<i>For Embossed Panel Door, Add</i>	212.29	
		<i>For Baked Enamel Finish, Add</i>	278.95	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-51.02	
		<i>For >100, Deduct</i>	-75.40	
		<i>For 2" Thick Door, Add</i>	66.39	
		<i>For Polystyrene Core, Add</i>	88.45	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	221.13	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	353.81	
		<i>For Galvanized Steel Door, Add</i>	176.91	
08 13 13 13-0108	EA	2-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	982.32	46.29
		<i>For Up To 1' Extra Height, Add</i>	246.19	
		<i>For Embossed Panel Door, Add</i>	213.54	
		<i>For Baked Enamel Finish, Add</i>	280.81	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For >50 To 100, Deduct</i>	-51.43	
		<i>For >100, Deduct</i>	-75.99	
		<i>For 2" Thick Door, Add</i>	66.82	
		<i>For Polystyrene Core, Add</i>	88.97	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	222.43	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	355.89	
		<i>For Galvanized Steel Door, Add</i>	177.95	
		<i>For Type 304 Stainless Steel Door, Add</i>	711.78	
		<i>For Type 316 Stainless Steel Door, Add</i>	1,156.65	
		<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	111.22	
		<i>For Steel Stiffened, Add</i>	222.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0109	EA		3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	989.49	47.28
			For Up To 1' Extra Height, Add	247.63	
			For Embossed Panel Door, Add	214.78	
			For Baked Enamel Finish, Add	282.66	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-51.84	
			For >100, Deduct	-76.58	
			For 2" Thick Door, Add	67.25	
			For Polystyrene Core, Add	89.49	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.73	
			For 14 Gauge, Level 4 Maximum Duty, Add	357.97	
			For Galvanized Steel Door, Add	178.99	
08 13 13 13-0110	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,057.13	47.28
			For Up To 1' Extra Height, Add	266.34	
			For Embossed Panel Door, Add	231.02	
			For Baked Enamel Finish, Add	302.96	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-55.22	
			For >100, Deduct	-81.65	
			For 2" Thick Door, Add	72.15	
			For Polystyrene Core, Add	96.26	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.64	
			For 14 Gauge, Level 4 Maximum Duty, Add	385.03	
			For Galvanized Steel Door, Add	192.51	
08 13 13 13-0111	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,087.09	49.25
			For Up To 1' Extra Height, Add	273.54	
			For 1' To 1'-6" Extra Height, Add	521.88	
			For Embossed Panel Door, Add	237.26	
			For Baked Enamel Finish, Add	311.35	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-56.82	
			For >100, Deduct	-83.99	
			For 2" Thick Door, Add	74.14	
			For Polystyrene Core, Add	98.86	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	247.15	
			For 14 Gauge, Level 4 Maximum Duty, Add	395.44	
			For Galvanized Steel Door, Add	197.72	
08 13 13 13-0112	EA		4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,199.03	53.19
			For Up To 1' Extra Height, Add	302.34	
			For 1' To 1'-6" Extra Height, Add	576.81	
			For Embossed Panel Door, Add	262.24	
			For Baked Enamel Finish, Add	343.75	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-62.61	
			For >100, Deduct	-92.59	
			For 2" Thick Door, Add	81.88	
			For Polystyrene Core, Add	109.27	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	273.16	
			For 14 Gauge, Level 4 Maximum Duty, Add	437.06	
			For Galvanized Steel Door, Add	218.53	

08 13 19 Stainless-Steel Doors (08 13)

08 13 19 00-0001			Stainless Steel Doors (08 13 19) Note: Full flush, impregnated honeycomb core.		
08 13 19 00-0002			304 Stainless Steel Doors (08 13 19 00-0001)		
08 13 19 00-0003			16 Gauge, 304 Stainless Steel Doors (08 13 19 00-0002)		
08 13 19 00-0004	EA		2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	1,960.73	45.31
			For Louvered Door, Add	327.27	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0005	EA		3' x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	1,964.67	47.28
			For Louvered Door, Add	327.27	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0006	EA		3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	2,121.79	49.25
			For Louvered Door, Add	354.08	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0007	EA		2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	2,105.92	45.31
			For Louvered Door, Add	352.68	
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 19 00-0008	EA 3' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,111.19 352.91	47.28
08 13 19 00-0009	EA 3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,269.64 379.95	49.25
08 13 19 00-0010	EA 4' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,429.37 406.52	53.19
08 13 19 00-0011	14 Gauge, 304 Stainless Steel Doors (08 13 19 00-0002)		
08 13 19 00-0012	EA 2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,469.55 416.31	45.31
08 13 19 00-0013	EA 3' x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,473.49 416.31	47.28
08 13 19 00-0014	EA 3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,653.26 447.08	49.25
08 13 19 00-0015	EA 2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,633.39 444.98	45.31
08 13 19 00-0016	EA 3' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,637.33 444.98	47.28
08 13 19 00-0017	EA 3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,817.09 475.75	49.25
08 13 19 00-0018	EA 4' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,002.13 506.76	53.19
08 13 19 00-0019	316 Stainless Steel Doors (08 13 19 00-0001)		
08 13 19 00-0020	16 Gauge, 316 Stainless Steel Doors (08 13 19 00-0019)		
08 13 19 00-0021	EA 2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,640.05 446.15	45.31
08 13 19 00-0022	EA 3' x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,643.99 446.15	47.28
08 13 19 00-0023	EA 3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,891.68 488.81	49.25
08 13 19 00-0024	EA 2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,843.84 481.81	45.31
08 13 19 00-0025	EA 3' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	2,847.78 481.81	47.28
08 13 19 00-0026	EA 3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,094.15 524.24	49.25
08 13 19 00-0027	EA 4' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,347.11 567.13	53.19
08 13 19 00-0028	14 Gauge, 316 Stainless Steel Doors (08 13 19 00-0019)		
08 13 19 00-0029	EA 2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,148.87 535.19	45.31
08 13 19 00-0030	EA 3' x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,152.81 535.19	47.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 19 00-0031	EA		3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	3,441.79	49.25
			<i>For Louvered Door, Add</i>	585.08	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0032	EA		2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	3,381.97	45.31
			<i>For Louvered Door, Add</i>	575.99	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0033	EA		3' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	3,672.29	47.28
			<i>For Louvered Door, Add</i>	626.10	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0034	EA		3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	3,676.23	49.25
			<i>For Louvered Door, Add</i>	626.10	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0035	EA		4' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	3,947.84	53.19
			<i>For Louvered Door, Add</i>	672.26	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		

08 13 19 00-0036 Stainless Steel Door Assembly Accessories (08 13 19)

08 13 19 00-0037	SF		Vision Panel With Type 304 Frame, 1-1/2 Hour Fire Rated Glazing, Stainless Steel Door Assembly Accessories	830.54	47.28
08 13 19 00-0038	EA		Door Louver With Type 304 Frame, Stainless Steel Door Assembly Accessories	554.03	43.34
08 13 19 00-0039	LF		Door Astragal With Type 304 Plate, Stainless Steel Door Assembly Accessories	27.11	2.67
			<i>For Type 316 Stainless Steel Plate, Add</i>	8.95	
08 13 19 00-0040	LF		Type 304 Center Door Mullion, Stainless Steel Door Assembly Accessories	131.21	4.33
			<i>For Type 316 Stainless Steel Plate, Add</i>	30.36	
08 13 19 00-0041	EA		For 1-1/2 Hour Fire Rated Door, Single Door, Stainless Steel Door Assembly Accessories	342.48	
08 13 19 00-0042	EA		For 1-1/2 Hour Fire Rated Door, Double Doors, Stainless Steel Door Assembly Accessories	586.50	

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)

08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0003	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	214.09	43.34
			<i>For >50 To 100, Deduct</i>	-12.87	
			<i>For >100, Deduct</i>	-18.22	
08 14 16 00-0004	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	214.09	43.34
			<i>For >50 To 100, Deduct</i>	-12.87	
			<i>For >100, Deduct</i>	-18.22	
08 14 16 00-0005	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	227.06	45.31
			<i>For >50 To 100, Deduct</i>	-13.62	
			<i>For >100, Deduct</i>	-19.30	
08 14 16 00-0006	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	233.69	45.31
			<i>For >50 To 100, Deduct</i>	-13.95	
			<i>For >100, Deduct</i>	-19.79	
08 14 16 00-0007	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	235.25	45.31
			<i>For >50 To 100, Deduct</i>	-14.03	
			<i>For >100, Deduct</i>	-19.91	
08 14 16 00-0008	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	239.98	47.28
			<i>For >50 To 100, Deduct</i>	-14.36	
			<i>For >100, Deduct</i>	-20.36	
08 14 16 00-0009	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	254.17	47.28
			<i>For >50 To 100, Deduct</i>	-15.07	
			<i>For >100, Deduct</i>	-21.43	
08 14 16 00-0010	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	268.33	49.25
			<i>For >50 To 100, Deduct</i>	-15.88	
			<i>For >100, Deduct</i>	-22.59	
08 14 16 00-0011	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	221.52	43.34
			<i>For >50 To 100, Deduct</i>	-13.24	
			<i>For >100, Deduct</i>	-18.78	
08 14 16 00-0012	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	221.52	43.34
			<i>For >50 To 100, Deduct</i>	-13.24	
			<i>For >100, Deduct</i>	-18.78	
08 14 16 00-0013	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	235.00	45.31
			<i>For >50 To 100, Deduct</i>	-14.02	
			<i>For >100, Deduct</i>	-19.89	
08 14 16 00-0014	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	242.03	45.31
			<i>For >50 To 100, Deduct</i>	-14.37	
			<i>For >100, Deduct</i>	-20.42	
08 14 16 00-0015	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	243.68	45.31
			<i>For >50 To 100, Deduct</i>	-14.45	
			<i>For >100, Deduct</i>	-20.54	
08 14 16 00-0016	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	248.43	47.28
			<i>For >50 To 100, Deduct</i>	-14.79	
			<i>For >100, Deduct</i>	-21.00	
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	263.46	47.28
			<i>For >50 To 100, Deduct</i>	-15.54	
			<i>For >100, Deduct</i>	-22.12	
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	278.21	49.25
			<i>For >50 To 100, Deduct</i>	-16.37	
			<i>For >100, Deduct</i>	-23.33	

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	247.81	43.34
		<i>For >50 To 100, Deduct</i>	-14.56	
		<i>For >100, Deduct</i>	-20.75	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	247.81	43.34
		<i>For >50 To 100, Deduct</i>	-14.56	
		<i>For >100, Deduct</i>	-20.75	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	263.17	45.31
		<i>For >50 To 100, Deduct</i>	-15.42	
		<i>For >100, Deduct</i>	-22.00	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	271.54	45.31
		<i>For >50 To 100, Deduct</i>	-15.84	
		<i>For >100, Deduct</i>	-22.63	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.52	45.31
		<i>For >50 To 100, Deduct</i>	-15.94	
		<i>For >100, Deduct</i>	-22.78	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	278.43	47.28
		<i>For >50 To 100, Deduct</i>	-16.29	
		<i>For >100, Deduct</i>	-23.25	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	296.40	47.28
		<i>For >50 To 100, Deduct</i>	-17.18	
		<i>For >100, Deduct</i>	-24.59	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	313.24	49.25
		<i>For >50 To 100, Deduct</i>	-18.12	
		<i>For >100, Deduct</i>	-25.96	

08 14 16 00-0027 Oak Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	244.28	43.34
		<i>For >50 To 100, Deduct</i>	-14.38	
		<i>For >100, Deduct</i>	-20.49	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	244.28	43.34
		<i>For >50 To 100, Deduct</i>	-14.38	
		<i>For >100, Deduct</i>	-20.49	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	259.37	45.31
		<i>For >50 To 100, Deduct</i>	-15.23	
		<i>For >100, Deduct</i>	-21.72	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	267.59	45.31
		<i>For >50 To 100, Deduct</i>	-15.65	
		<i>For >100, Deduct</i>	-22.33	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	269.04	45.31
		<i>For >50 To 100, Deduct</i>	-15.72	
		<i>For >100, Deduct</i>	-22.44	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	274.43	47.28
		<i>For >50 To 100, Deduct</i>	-16.09	
		<i>For >100, Deduct</i>	-22.95	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	291.97	47.28
		<i>For >50 To 100, Deduct</i>	-16.96	
		<i>For >100, Deduct</i>	-24.26	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	308.55	49.25
		<i>For >50 To 100, Deduct</i>	-17.89	
		<i>For >100, Deduct</i>	-25.60	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	253.44	43.34
		<i>For >50 To 100, Deduct</i>	-14.84	
		<i>For >100, Deduct</i>	-21.18	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	253.44	43.34
		<i>For >50 To 100, Deduct</i>	-14.84	
		<i>For >100, Deduct</i>	-21.18	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	269.20	45.31
		<i>For >50 To 100, Deduct</i>	-15.73	
		<i>For >100, Deduct</i>	-22.46	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	277.89	45.31
		<i>For >50 To 100, Deduct</i>	-16.16	
		<i>For >100, Deduct</i>	-23.11	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	279.42	45.31
		<i>For >50 To 100, Deduct</i>	-16.24	
		<i>For >100, Deduct</i>	-23.22	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	284.89	47.28
		<i>For >50 To 100, Deduct</i>	-16.61	
		<i>For >100, Deduct</i>	-23.73	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	303.45	47.28
		<i>For >50 To 100, Deduct</i>	-17.54	
		<i>For >100, Deduct</i>	-25.12	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	320.77	49.25
		<i>For >50 To 100, Deduct</i>	-18.50	
		<i>For >100, Deduct</i>	-26.52	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	285.97	43.34
		<i>For >50 To 100, Deduct</i>	-16.47	
		<i>For >100, Deduct</i>	-23.62	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	285.97	43.34
		<i>For >50 To 100, Deduct</i>	-16.47	
		<i>For >100, Deduct</i>	-23.62	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	304.02	45.31
		<i>For >50 To 100, Deduct</i>	-17.47	
		<i>For >100, Deduct</i>	-25.07	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	314.40	45.31
		<i>For >50 To 100, Deduct</i>	-17.99	
		<i>For >100, Deduct</i>	-25.85	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	316.24	45.31
		<i>For >50 To 100, Deduct</i>	-18.08	
		<i>For >100, Deduct</i>	-25.98	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door		322.00	47.28
			<i>For >50 To 100, Deduct</i>		-18.46	
			<i>For >100, Deduct</i>		-26.51	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door		344.20	47.28
			<i>For >50 To 100, Deduct</i>		-19.57	
			<i>For >100, Deduct</i>		-28.18	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door		364.13	49.25
			<i>For >50 To 100, Deduct</i>		-20.67	
			<i>For >100, Deduct</i>		-29.77	

08 14 16 00-0052 Maple Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		275.80	43.34
			<i>For >50 To 100, Deduct</i>		-15.96	
			<i>For >100, Deduct</i>		-22.85	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		275.80	43.34
			<i>For >50 To 100, Deduct</i>		-15.96	
			<i>For >100, Deduct</i>		-22.85	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		293.11	45.31
			<i>For >50 To 100, Deduct</i>		-16.92	
			<i>For >100, Deduct</i>		-24.25	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		302.99	45.31
			<i>For >50 To 100, Deduct</i>		-17.42	
			<i>For >100, Deduct</i>		-24.99	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		304.73	45.31
			<i>For >50 To 100, Deduct</i>		-17.50	
			<i>For >100, Deduct</i>		-25.12	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		310.41	47.28
			<i>For >50 To 100, Deduct</i>		-17.88	
			<i>For >100, Deduct</i>		-25.64	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		331.45	47.28
			<i>For >50 To 100, Deduct</i>		-18.94	
			<i>For >100, Deduct</i>		-27.22	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		350.56	49.25
			<i>For >50 To 100, Deduct</i>		-19.99	
			<i>For >100, Deduct</i>		-28.75	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		286.79	43.34
			<i>For >50 To 100, Deduct</i>		-16.51	
			<i>For >100, Deduct</i>		-23.68	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		286.79	43.34
			<i>For >50 To 100, Deduct</i>		-16.51	
			<i>For >100, Deduct</i>		-23.68	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		304.91	45.31
			<i>For >50 To 100, Deduct</i>		-17.51	
			<i>For >100, Deduct</i>		-25.13	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		315.34	45.31
			<i>For >50 To 100, Deduct</i>		-18.03	
			<i>For >100, Deduct</i>		-25.92	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		317.19	45.31
			<i>For >50 To 100, Deduct</i>		-18.13	
			<i>For >100, Deduct</i>		-26.05	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		322.95	47.28
			<i>For >50 To 100, Deduct</i>		-18.51	
			<i>For >100, Deduct</i>		-26.59	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		345.23	47.28
			<i>For >50 To 100, Deduct</i>		-19.63	
			<i>For >100, Deduct</i>		-28.26	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		365.24	49.25
			<i>For >50 To 100, Deduct</i>		-20.72	
			<i>For >100, Deduct</i>		-29.86	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		325.82	43.34
			<i>For >50 To 100, Deduct</i>		-18.46	
			<i>For >100, Deduct</i>		-26.60	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		325.82	43.34
			<i>For >50 To 100, Deduct</i>		-18.46	
			<i>For >100, Deduct</i>		-26.60	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		346.69	45.31
			<i>For >50 To 100, Deduct</i>		-19.60	
			<i>For >100, Deduct</i>		-28.27	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		359.15	45.31
			<i>For >50 To 100, Deduct</i>		-20.22	
			<i>For >100, Deduct</i>		-29.20	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		361.36	45.31
			<i>For >50 To 100, Deduct</i>		-20.33	
			<i>For >100, Deduct</i>		-29.37	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		367.48	47.28
			<i>For >50 To 100, Deduct</i>		-20.74	
			<i>For >100, Deduct</i>		-29.93	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		394.14	47.28
			<i>For >50 To 100, Deduct</i>		-22.07	
			<i>For >100, Deduct</i>		-31.92	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8"	Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door		417.25	49.25
			<i>For >50 To 100, Deduct</i>		-23.33	
			<i>For >100, Deduct</i>		-33.76	

08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.96	43.34
		<i>For >50 To 100, Deduct</i>	-11.27	
		<i>For >100, Deduct</i>	-15.81	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	181.96	43.34
		<i>For >50 To 100, Deduct</i>	-11.27	
		<i>For >100, Deduct</i>	-15.81	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	192.34	45.31
		<i>For >50 To 100, Deduct</i>	-11.88	
		<i>For >100, Deduct</i>	-16.69	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	197.79	45.31
		<i>For >50 To 100, Deduct</i>	-12.16	
		<i>For >100, Deduct</i>	-17.10	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	199.72	45.31
		<i>For >50 To 100, Deduct</i>	-12.25	
		<i>For >100, Deduct</i>	-17.24	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	205.58	47.28
		<i>For >50 To 100, Deduct</i>	-12.64	
		<i>For >100, Deduct</i>	-17.78	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	216.19	47.28
		<i>For >50 To 100, Deduct</i>	-13.17	
		<i>For >100, Deduct</i>	-18.58	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	227.93	49.25
		<i>For >50 To 100, Deduct</i>	-13.86	
		<i>For >100, Deduct</i>	-19.56	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	187.50	43.34
		<i>For >50 To 100, Deduct</i>	-11.54	
		<i>For >100, Deduct</i>	-16.23	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	187.49	43.34
		<i>For >50 To 100, Deduct</i>	-11.54	
		<i>For >100, Deduct</i>	-16.23	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	198.27	45.31
		<i>For >50 To 100, Deduct</i>	-12.18	
		<i>For >100, Deduct</i>	-17.14	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	204.03	45.31
		<i>For >50 To 100, Deduct</i>	-12.47	
		<i>For >100, Deduct</i>	-17.57	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	206.06	45.31
		<i>For >50 To 100, Deduct</i>	-12.57	
		<i>For >100, Deduct</i>	-17.72	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	212.04	47.28
		<i>For >50 To 100, Deduct</i>	-12.97	
		<i>For >100, Deduct</i>	-18.27	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	223.27	47.28
		<i>For >50 To 100, Deduct</i>	-13.53	
		<i>For >100, Deduct</i>	-19.11	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.45	49.25
		<i>For >50 To 100, Deduct</i>	-14.24	
		<i>For >100, Deduct</i>	-20.12	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.16	43.34
		<i>For >50 To 100, Deduct</i>	-12.53	
		<i>For >100, Deduct</i>	-17.70	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.14	43.34
		<i>For >50 To 100, Deduct</i>	-12.52	
		<i>For >100, Deduct</i>	-17.70	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	219.26	45.31
		<i>For >50 To 100, Deduct</i>	-13.23	
		<i>For >100, Deduct</i>	-18.71	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	226.13	45.31
		<i>For >50 To 100, Deduct</i>	-13.57	
		<i>For >100, Deduct</i>	-19.23	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.58	45.31
		<i>For >50 To 100, Deduct</i>	-13.69	
		<i>For >100, Deduct</i>	-19.41	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	234.95	47.28
		<i>For >50 To 100, Deduct</i>	-14.11	
		<i>For >100, Deduct</i>	-19.99	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	248.38	47.28
		<i>For >50 To 100, Deduct</i>	-14.78	
		<i>For >100, Deduct</i>	-20.99	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.14	49.25
		<i>For >50 To 100, Deduct</i>	-15.57	
		<i>For >100, Deduct</i>	-22.12	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	184.54	43.34
		<i>For >50 To 100, Deduct</i>	-11.39	
		<i>For >100, Deduct</i>	-16.01	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	184.54	43.34
		<i>For >50 To 100, Deduct</i>	-11.39	
		<i>For >100, Deduct</i>	-16.01	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	195.61	45.31
		<i>For >50 To 100, Deduct</i>	-12.05	
		<i>For >100, Deduct</i>	-16.94	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	198.98	45.31
		<i>For >50 To 100, Deduct</i>	-12.21	
		<i>For >100, Deduct</i>	-17.19	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	202.38	45.31
		<i>For >50 To 100, Deduct</i>	-12.38	
		<i>For >100, Deduct</i>	-17.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	209.69 -12.85 -18.09	47.28
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	222.36 -13.48 -19.04	47.28
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	234.46 -14.19 -20.05	49.25
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	190.23 -11.68 -16.43	43.34
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	190.23 -11.68 -16.43	43.34
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	201.71 -12.35 -17.39	45.31
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	205.29 -12.53 -17.66	45.31
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	208.88 -12.71 -17.93	45.31
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	216.40 -13.18 -18.59	47.28
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	229.80 -13.85 -19.60	47.28
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	242.38 -14.58 -20.64	49.25
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	210.40 -12.69 -17.95	43.34
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	210.43 -12.69 -17.95	43.34
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	223.37 -13.43 -19.02	45.31
08 14 16 00-0122	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	227.66 -13.65 -19.34	45.31
08 14 16 00-0123	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	231.96 -13.86 -19.66	45.31
08 14 16 00-0124	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	240.16 -14.37 -20.38	47.28
08 14 16 00-0125	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	256.18 -15.17 -21.58	47.28
08 14 16 00-0126	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	270.44 -15.98 -22.75	49.25
08 14 16 00-0127			1-3/4" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
08 14 16 00-0128			Birch Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	245.94 -14.46 -20.61	43.34
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	245.94 -14.46 -20.61	43.34
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	255.87 -15.06 -21.46	45.31
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	258.11 -15.17 -21.62	45.31
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	263.01 -15.42 -21.99	45.31
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	271.85 -15.96 -22.75	47.28
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	297.84 -17.26 -24.70	47.28
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	354.54 -20.19 -29.05	49.25
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door For >50 To 100, Deduct For >100, Deduct	367.34 -20.83 -30.01	49.25

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	392.94	49.25
		<i>For >50 To 100, Deduct</i>	-22.11	
		<i>For >100, Deduct</i>	-31.93	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	255.21	43.34
		<i>For >50 To 100, Deduct</i>	-14.93	
		<i>For >100, Deduct</i>	-21.31	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	255.21	43.34
		<i>For >50 To 100, Deduct</i>	-14.93	
		<i>For >100, Deduct</i>	-21.31	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	265.49	45.31
		<i>For >50 To 100, Deduct</i>	-15.54	
		<i>For >100, Deduct</i>	-22.18	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	267.86	45.31
		<i>For >50 To 100, Deduct</i>	-15.66	
		<i>For >100, Deduct</i>	-22.36	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	273.04	45.31
		<i>For >50 To 100, Deduct</i>	-15.92	
		<i>For >100, Deduct</i>	-22.74	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	282.16	47.28
		<i>For >50 To 100, Deduct</i>	-16.47	
		<i>For >100, Deduct</i>	-23.53	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	309.68	47.28
		<i>For >50 To 100, Deduct</i>	-17.85	
		<i>For >100, Deduct</i>	-25.59	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	369.45	49.25
		<i>For >50 To 100, Deduct</i>	-20.94	
		<i>For >100, Deduct</i>	-30.17	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	382.99	49.25
		<i>For >50 To 100, Deduct</i>	-21.61	
		<i>For >100, Deduct</i>	-31.19	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	410.09	49.25
		<i>For >50 To 100, Deduct</i>	-22.97	
		<i>For >100, Deduct</i>	-33.22	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	288.08	43.34
		<i>For >50 To 100, Deduct</i>	-16.57	
		<i>For >100, Deduct</i>	-23.77	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	288.08	43.34
		<i>For >50 To 100, Deduct</i>	-16.57	
		<i>For >100, Deduct</i>	-23.77	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	299.59	45.31
		<i>For >50 To 100, Deduct</i>	-17.25	
		<i>For >100, Deduct</i>	-24.73	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	302.41	45.31
		<i>For >50 To 100, Deduct</i>	-17.39	
		<i>For >100, Deduct</i>	-24.95	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	308.63	45.31
		<i>For >50 To 100, Deduct</i>	-17.70	
		<i>For >100, Deduct</i>	-25.41	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	318.73	47.28
		<i>For >50 To 100, Deduct</i>	-18.30	
		<i>For >100, Deduct</i>	-26.27	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	351.63	47.28
		<i>For >50 To 100, Deduct</i>	-19.95	
		<i>For >100, Deduct</i>	-28.74	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	422.29	49.25
		<i>For >50 To 100, Deduct</i>	-23.58	
		<i>For >100, Deduct</i>	-34.13	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	438.46	49.25
		<i>For >50 To 100, Deduct</i>	-24.39	
		<i>For >100, Deduct</i>	-35.35	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	470.85	49.25
		<i>For >50 To 100, Deduct</i>	-26.01	
		<i>For >100, Deduct</i>	-37.78	

08 14 16 00-0159 Oak Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	296.24	43.34
		<i>For >50 To 100, Deduct</i>	-16.98	
		<i>For >100, Deduct</i>	-24.39	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	296.24	43.34
		<i>For >50 To 100, Deduct</i>	-16.98	
		<i>For >100, Deduct</i>	-24.39	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	308.05	45.31
		<i>For >50 To 100, Deduct</i>	-17.67	
		<i>For >100, Deduct</i>	-25.37	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	311.00	45.31
		<i>For >50 To 100, Deduct</i>	-17.82	
		<i>For >100, Deduct</i>	-25.59	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.45	45.31
		<i>For >50 To 100, Deduct</i>	-18.14	
		<i>For >100, Deduct</i>	-26.07	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	327.82	47.28
		<i>For >50 To 100, Deduct</i>	-18.76	
		<i>For >100, Deduct</i>	-26.95	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	362.03	47.28
		<i>For >50 To 100, Deduct</i>	-20.47	
		<i>For >100, Deduct</i>	-29.52	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	435.40	49.25
		<i>For >50 To 100, Deduct</i>	-24.23	
		<i>For >100, Deduct</i>	-35.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0168	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	452.26 -25.08 -36.38	49.25
08 14 16 00-0169	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	485.97 -26.76 -38.91	49.25
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	308.43 -17.59 -25.30	43.34
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	308.44 -17.59 -25.30	43.34
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	320.70 -18.30 -26.32	45.31
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	323.82 -18.46 -26.55	45.31
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	330.65 -18.80 -27.06	45.31
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	341.39 -19.43 -27.97	47.28
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	377.60 -21.24 -30.68	47.28
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	455.01 -25.21 -36.59	49.25
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	472.86 -26.11 -37.93	49.25
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	508.52 -27.89 -40.60	49.25
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	351.66 -19.75 -28.54	43.34
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	351.69 -19.75 -28.54	43.34
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	365.57 -20.54 -29.68	45.31
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	369.29 -20.73 -29.96	45.31
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	377.45 -21.14 -30.57	45.31
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	389.53 -21.84 -31.58	47.28
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	432.81 -24.00 -34.82	47.28
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	524.53 -28.69 -41.80	49.25
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	545.87 -29.76 -43.40	49.25
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	588.48 -31.89 -46.60	49.25
08 14 16 00-0190			Maple Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	338.15 -19.07 -27.53	43.34
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	338.15 -19.07 -27.53	43.34
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	351.53 -19.84 -28.63	45.31
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	355.22 -20.03 -28.91	45.31
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	362.89 -20.41 -29.48	45.31
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	374.46 -21.09 -30.45	47.28
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	415.53 -23.14 -33.53	47.28

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.68	49.25
		For >50 To 100, Deduct	-26.60	
		For >100, Deduct	-38.66	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	523.01	49.25
		For >50 To 100, Deduct	-28.61	
		For >100, Deduct	-41.69	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	563.46	49.25
		For >50 To 100, Deduct	-30.64	
		For >100, Deduct	-44.72	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	352.79	43.34
		For >50 To 100, Deduct	-19.81	
		For >100, Deduct	-28.63	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	352.79	43.34
		For >50 To 100, Deduct	-19.81	
		For >100, Deduct	-28.63	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	366.71	45.31
		For >50 To 100, Deduct	-20.60	
		For >100, Deduct	-29.77	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	370.63	45.31
		For >50 To 100, Deduct	-20.80	
		For >100, Deduct	-30.06	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	378.72	45.31
		For >50 To 100, Deduct	-21.20	
		For >100, Deduct	-30.67	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.74	47.28
		For >50 To 100, Deduct	-21.90	
		For >100, Deduct	-31.67	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	434.20	47.28
		For >50 To 100, Deduct	-24.07	
		For >100, Deduct	-34.93	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	504.94	49.25
		For >50 To 100, Deduct	-27.71	
		For >100, Deduct	-40.33	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	547.74	49.25
		For >50 To 100, Deduct	-29.85	
		For >100, Deduct	-43.54	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	590.51	49.25
		For >50 To 100, Deduct	-31.99	
		For >100, Deduct	-46.75	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	404.68	43.34
		For >50 To 100, Deduct	-22.40	
		For >100, Deduct	-32.52	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	404.68	43.34
		For >50 To 100, Deduct	-22.40	
		For >100, Deduct	-32.52	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	420.54	45.31
		For >50 To 100, Deduct	-23.29	
		For >100, Deduct	-33.81	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	425.23	45.31
		For >50 To 100, Deduct	-23.53	
		For >100, Deduct	-34.16	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	434.87	45.31
		For >50 To 100, Deduct	-24.01	
		For >100, Deduct	-34.88	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	448.50	47.28
		For >50 To 100, Deduct	-24.79	
		For >100, Deduct	-36.00	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	500.42	47.28
		For >50 To 100, Deduct	-27.39	
		For >100, Deduct	-39.90	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	584.22	49.25
		For >50 To 100, Deduct	-31.67	
		For >100, Deduct	-46.28	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	635.34	49.25
		For >50 To 100, Deduct	-34.23	
		For >100, Deduct	-50.11	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	686.49	49.25
		For >50 To 100, Deduct	-36.79	
		For >100, Deduct	-53.95	

08 14 16 00-0221 Lauan Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.72	43.34
		For >50 To 100, Deduct	-12.55	
		For >100, Deduct	-17.75	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	207.72	43.34
		For >50 To 100, Deduct	-12.55	
		For >100, Deduct	-17.75	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	219.97	45.31
		For >50 To 100, Deduct	-13.26	
		For >100, Deduct	-18.76	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	226.74	45.31
		For >50 To 100, Deduct	-13.60	
		For >100, Deduct	-19.27	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	228.08	45.31
		For >50 To 100, Deduct	-13.67	
		For >100, Deduct	-19.37	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	233.37	47.28
		For >50 To 100, Deduct	-14.03	
		For >100, Deduct	-19.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	248.62 -14.80 -21.01	47.28
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	272.23 -16.07 -22.88	49.25
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	280.90 -16.51 -23.53	49.25
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	298.28 -17.38 -24.83	49.25
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	214.75 -12.90 -18.27	43.34
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	214.75 -12.90 -18.27	43.34
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	227.50 -13.64 -19.33	45.31
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	234.67 -14.00 -19.87	45.31
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	236.09 -14.07 -19.97	45.31
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	241.44 -14.44 -20.47	47.28
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	257.59 -15.24 -21.68	47.28
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	282.33 -16.58 -23.64	49.25
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	291.51 -17.04 -24.33	49.25
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	309.90 -17.96 -25.71	49.25
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	239.72 -14.15 -20.15	43.34
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	239.72 -14.15 -20.15	43.34
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	254.19 -14.98 -21.33	45.31
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	262.75 -15.40 -21.97	45.31
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	264.46 -15.49 -22.10	45.31
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	270.08 -15.87 -22.62	47.28
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	289.39 -16.83 -24.07	47.28
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	318.17 -18.37 -26.33	49.25
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	329.15 -18.92 -27.15	49.25
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	351.12 -20.02 -28.80	49.25
08 14 16 00-0252			Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	208.59 -12.60 -17.81	43.34
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	208.61 -12.60 -17.81	43.34
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	215.91 -13.06 -18.46	45.31
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	222.71 -13.40 -18.97	45.31
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	226.11 -13.57 -19.22	45.31

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	233.39	47.28
		<i>For >50 To 100, Deduct</i>	-14.03	
		<i>For >100, Deduct</i>	-19.87	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	241.14	47.28
		<i>For >50 To 100, Deduct</i>	-14.42	
		<i>For >100, Deduct</i>	-20.45	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	270.26	49.25
		<i>For >50 To 100, Deduct</i>	-15.98	
		<i>For >100, Deduct</i>	-22.73	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	278.84	49.25
		<i>For >50 To 100, Deduct</i>	-16.40	
		<i>For >100, Deduct</i>	-23.38	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.04	49.25
		<i>For >50 To 100, Deduct</i>	-17.26	
		<i>For >100, Deduct</i>	-24.67	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	215.69	43.34
		<i>For >50 To 100, Deduct</i>	-12.95	
		<i>For >100, Deduct</i>	-18.34	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	215.70	43.34
		<i>For >50 To 100, Deduct</i>	-12.95	
		<i>For >100, Deduct</i>	-18.34	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	223.20	45.31
		<i>For >50 To 100, Deduct</i>	-13.43	
		<i>For >100, Deduct</i>	-19.01	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	230.39	45.31
		<i>For >50 To 100, Deduct</i>	-13.79	
		<i>For >100, Deduct</i>	-19.54	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	233.98	45.31
		<i>For >50 To 100, Deduct</i>	-13.96	
		<i>For >100, Deduct</i>	-19.81	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	241.48	47.28
		<i>For >50 To 100, Deduct</i>	-14.44	
		<i>For >100, Deduct</i>	-20.48	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	249.68	47.28
		<i>For >50 To 100, Deduct</i>	-14.85	
		<i>For >100, Deduct</i>	-21.09	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	280.26	49.25
		<i>For >50 To 100, Deduct</i>	-16.48	
		<i>For >100, Deduct</i>	-23.48	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	289.35	49.25
		<i>For >50 To 100, Deduct</i>	-16.93	
		<i>For >100, Deduct</i>	-24.16	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	307.53	49.25
		<i>For >50 To 100, Deduct</i>	-17.84	
		<i>For >100, Deduct</i>	-25.53	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	240.85	43.34
		<i>For >50 To 100, Deduct</i>	-14.21	
		<i>For >100, Deduct</i>	-20.23	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	240.85	43.34
		<i>For >50 To 100, Deduct</i>	-14.21	
		<i>For >100, Deduct</i>	-20.23	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	249.05	45.31
		<i>For >50 To 100, Deduct</i>	-14.72	
		<i>For >100, Deduct</i>	-20.94	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	257.64	45.31
		<i>For >50 To 100, Deduct</i>	-15.15	
		<i>For >100, Deduct</i>	-21.59	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	261.93	45.31
		<i>For >50 To 100, Deduct</i>	-15.36	
		<i>For >100, Deduct</i>	-21.91	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	270.14	47.28
		<i>For >50 To 100, Deduct</i>	-15.87	
		<i>For >100, Deduct</i>	-22.62	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	279.93	47.28
		<i>For >50 To 100, Deduct</i>	-16.36	
		<i>For >100, Deduct</i>	-23.36	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	315.72	49.25
		<i>For >50 To 100, Deduct</i>	-18.25	
		<i>For >100, Deduct</i>	-26.14	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	326.57	49.25
		<i>For >50 To 100, Deduct</i>	-18.79	
		<i>For >100, Deduct</i>	-26.96	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	348.30	49.25
		<i>For >50 To 100, Deduct</i>	-19.88	
		<i>For >100, Deduct</i>	-28.59	

08 14 16 00-0283 1-3/8" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0284 Birch Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0285	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	248.91	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.24	
		<i>For Stave Lumber Core (SLC), Add</i>	121.67	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.00	
		<i>For >50 To 100, Deduct</i>	-14.61	
		<i>For >100, Deduct</i>	-20.84	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0286	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	248.94	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.25	
		<i>For Stave Lumber Core (SLC), Add</i>	121.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.01	
		<i>For >50 To 100, Deduct</i>	-14.61	
		<i>For >100, Deduct</i>	-20.84	
08 14 16 00-0287	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	261.38	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.42	
		<i>For Stave Lumber Core (SLC), Add</i>	128.07	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	76.84	
		<i>For >50 To 100, Deduct</i>	-15.33	
		<i>For >100, Deduct</i>	-21.87	
08 14 16 00-0288	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	269.88	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.59	
		<i>For Stave Lumber Core (SLC), Add</i>	134.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.67	
		<i>For >50 To 100, Deduct</i>	-15.76	
		<i>For >100, Deduct</i>	-22.51	
08 14 16 00-0289	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	275.07	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.69	
		<i>For Stave Lumber Core (SLC), Add</i>	138.34	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.00	
		<i>For >50 To 100, Deduct</i>	-16.02	
		<i>For >100, Deduct</i>	-22.90	
08 14 16 00-0290	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	284.23	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.79	
		<i>For Stave Lumber Core (SLC), Add</i>	142.25	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.35	
		<i>For >50 To 100, Deduct</i>	-16.58	
		<i>For >100, Deduct</i>	-23.68	
08 14 16 00-0291	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	305.03	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.21	
		<i>For Stave Lumber Core (SLC), Add</i>	157.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.71	
		<i>For >50 To 100, Deduct</i>	-17.62	
		<i>For >100, Deduct</i>	-25.24	
08 14 16 00-0292	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	322.43	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.48	
		<i>For Stave Lumber Core (SLC), Add</i>	167.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.77	
		<i>For >50 To 100, Deduct</i>	-18.58	
		<i>For >100, Deduct</i>	-26.64	
08 14 16 00-0293	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	258.36	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.43	
		<i>For Stave Lumber Core (SLC), Add</i>	128.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.25	
		<i>For >50 To 100, Deduct</i>	-15.09	
		<i>For >100, Deduct</i>	-21.54	
08 14 16 00-0294	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	258.37	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.43	
		<i>For Stave Lumber Core (SLC), Add</i>	128.76	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.26	
		<i>For >50 To 100, Deduct</i>	-15.09	
		<i>For >100, Deduct</i>	-21.55	
08 14 16 00-0295	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	271.31	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.61	
		<i>For Stave Lumber Core (SLC), Add</i>	135.52	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.31	
		<i>For >50 To 100, Deduct</i>	-15.83	
		<i>For >100, Deduct</i>	-22.61	
08 14 16 00-0296	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	280.33	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.79	
		<i>For Stave Lumber Core (SLC), Add</i>	142.28	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.37	
		<i>For >50 To 100, Deduct</i>	-16.28	
		<i>For >100, Deduct</i>	-23.29	
08 14 16 00-0297	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	285.82	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.90	
		<i>For Stave Lumber Core (SLC), Add</i>	146.40	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.84	
		<i>For >50 To 100, Deduct</i>	-16.56	
		<i>For >100, Deduct</i>	-23.70	
08 14 16 00-0298	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	295.26	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.01	
		<i>For Stave Lumber Core (SLC), Add</i>	150.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.32	
		<i>For >50 To 100, Deduct</i>	-17.13	
		<i>For >100, Deduct</i>	-24.51	
08 14 16 00-0299	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	317.29	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.45	
		<i>For Stave Lumber Core (SLC), Add</i>	167.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.23	
		<i>For >50 To 100, Deduct</i>	-18.23	
		<i>For >100, Deduct</i>	-26.16	
08 14 16 00-0300	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	335.47	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.74	
		<i>For Stave Lumber Core (SLC), Add</i>	177.73	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	106.64	
		<i>For >50 To 100, Deduct</i>	-19.24	
		<i>For >100, Deduct</i>	-27.62	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0301	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	291.84	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.10	
		<i>For Stave Lumber Core (SLC), Add</i>	153.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.32	
		<i>For >50 To 100, Deduct</i>	-16.76	
		<i>For >100, Deduct</i>	-24.06	
08 14 16 00-0302	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	291.84	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.10	
		<i>For Stave Lumber Core (SLC), Add</i>	153.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.32	
		<i>For >50 To 100, Deduct</i>	-16.76	
		<i>For >100, Deduct</i>	-24.06	
08 14 16 00-0303	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	306.55	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.32	
		<i>For Stave Lumber Core (SLC), Add</i>	161.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.17	
		<i>For >50 To 100, Deduct</i>	-17.59	
		<i>For >100, Deduct</i>	-25.26	
08 14 16 00-0304	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	317.32	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.53	
		<i>For Stave Lumber Core (SLC), Add</i>	170.03	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.02	
		<i>For >50 To 100, Deduct</i>	-18.13	
		<i>For >100, Deduct</i>	-26.06	
08 14 16 00-0305	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	323.88	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.67	
		<i>For Stave Lumber Core (SLC), Add</i>	174.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.97	
		<i>For >50 To 100, Deduct</i>	-18.46	
		<i>For >100, Deduct</i>	-26.56	
08 14 16 00-0306	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	334.40	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.80	
		<i>For Stave Lumber Core (SLC), Add</i>	179.88	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.93	
		<i>For >50 To 100, Deduct</i>	-19.08	
		<i>For >100, Deduct</i>	-27.44	
08 14 16 00-0307	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.72	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.32	
		<i>For Stave Lumber Core (SLC), Add</i>	199.62	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.77	
		<i>For >50 To 100, Deduct</i>	-20.40	
		<i>For >100, Deduct</i>	-29.42	
08 14 16 00-0308	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	381.67	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.66	
		<i>For Stave Lumber Core (SLC), Add</i>	212.38	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	127.43	
		<i>For >50 To 100, Deduct</i>	-21.55	
		<i>For >100, Deduct</i>	-31.09	

08 14 16 00-0309 Oak Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0310	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	286.87	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.00	
		<i>For Stave Lumber Core (SLC), Add</i>	150.14	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.08	
		<i>For >50 To 100, Deduct</i>	-16.51	
		<i>For >100, Deduct</i>	-23.68	
08 14 16 00-0311	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	286.87	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.00	
		<i>For Stave Lumber Core (SLC), Add</i>	150.14	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.08	
		<i>For >50 To 100, Deduct</i>	-16.51	
		<i>For >100, Deduct</i>	-23.68	
08 14 16 00-0312	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	301.33	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.21	
		<i>For Stave Lumber Core (SLC), Add</i>	158.03	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.82	
		<i>For >50 To 100, Deduct</i>	-17.33	
		<i>For >100, Deduct</i>	-24.87	
08 14 16 00-0313	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	311.84	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.42	
		<i>For Stave Lumber Core (SLC), Add</i>	165.92	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.55	
		<i>For >50 To 100, Deduct</i>	-17.86	
		<i>For >100, Deduct</i>	-25.65	
08 14 16 00-0314	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	318.24	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.55	
		<i>For Stave Lumber Core (SLC), Add</i>	170.72	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.43	
		<i>For >50 To 100, Deduct</i>	-18.18	
		<i>For >100, Deduct</i>	-26.13	
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	328.61	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.68	
		<i>For Stave Lumber Core (SLC), Add</i>	175.54	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.32	
		<i>For >50 To 100, Deduct</i>	-18.79	
		<i>For >100, Deduct</i>	-27.01	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	354.29 -5.19 194.80 116.88 -20.08 -28.94	47.28
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	374.82 -5.53 207.24 124.34 -21.20 -30.57	49.25
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	298.51 -4.24 158.87 95.32 -17.09 -24.56	43.34
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	298.51 -4.24 158.87 95.32 -17.09 -24.56	43.34
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	313.61 -4.46 167.24 100.35 -17.95 -25.79	45.31
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	324.72 -4.68 175.58 105.35 -18.50 -26.62	45.31
08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	331.49 -4.82 180.65 108.39 -18.84 -27.13	45.31
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.23 -4.95 185.75 111.45 -19.48 -28.03	47.28
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.41 -5.50 206.14 123.68 -20.83 -30.07	47.28
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	390.92 -5.85 219.32 131.59 -22.01 -31.78	49.25
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	339.81 -5.06 189.84 113.90 -19.16 -27.65	43.34
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	339.81 -5.06 189.84 113.90 -19.16 -27.65	43.34
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	357.09 -5.33 199.85 119.91 -20.12 -29.05	45.31
08 14 16 00-0329	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.37 -5.60 209.81 125.89 -20.78 -30.04	45.31
08 14 16 00-0330	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	378.45 -5.76 215.87 129.52 -21.19 -30.65	45.31

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 16 00-0331	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	390.53	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.92	
		<i>For Stave Lumber Core (SLC), Add</i>	221.98	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.19	
		<i>For >50 To 100, Deduct</i>	-21.89	
		<i>For >100, Deduct</i>	-31.65	
08 14 16 00-0332	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	423.01	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.57	
		<i>For Stave Lumber Core (SLC), Add</i>	246.34	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.80	
		<i>For >50 To 100, Deduct</i>	-23.51	
		<i>For >100, Deduct</i>	-34.09	
08 14 16 00-0333	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	447.94	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.99	
		<i>For Stave Lumber Core (SLC), Add</i>	262.08	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	157.25	
		<i>For >50 To 100, Deduct</i>	-24.86	
		<i>For >100, Deduct</i>	-36.06	

08 14 16 00-0334 Maple Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0335	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	326.90	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.80	
		<i>For Stave Lumber Core (SLC), Add</i>	180.16	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.09	
		<i>For >50 To 100, Deduct</i>	-18.51	
		<i>For >100, Deduct</i>	-26.68	
08 14 16 00-0336	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	326.90	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.80	
		<i>For Stave Lumber Core (SLC), Add</i>	180.16	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.09	
		<i>For >50 To 100, Deduct</i>	-18.51	
		<i>For >100, Deduct</i>	-26.68	
08 14 16 00-0337	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	343.47	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06	
		<i>For Stave Lumber Core (SLC), Add</i>	189.64	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.78	
		<i>For >50 To 100, Deduct</i>	-19.44	
		<i>For >100, Deduct</i>	-28.03	
08 14 16 00-0338	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	356.09	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.31	
		<i>For Stave Lumber Core (SLC), Add</i>	199.10	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.46	
		<i>For >50 To 100, Deduct</i>	-20.07	
		<i>For >100, Deduct</i>	-28.97	
08 14 16 00-0339	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	363.76	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.46	
		<i>For Stave Lumber Core (SLC), Add</i>	204.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.91	
		<i>For >50 To 100, Deduct</i>	-20.45	
		<i>For >100, Deduct</i>	-29.55	
08 14 16 00-0340	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	375.41	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62	
		<i>For Stave Lumber Core (SLC), Add</i>	210.64	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.38	
		<i>For >50 To 100, Deduct</i>	-21.13	
		<i>For >100, Deduct</i>	-30.52	
08 14 16 00-0341	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	406.23	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.23	
		<i>For Stave Lumber Core (SLC), Add</i>	233.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.25	
		<i>For >50 To 100, Deduct</i>	-22.68	
		<i>For >100, Deduct</i>	-32.83	
08 14 16 00-0342	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	430.08	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.63	
		<i>For Stave Lumber Core (SLC), Add</i>	248.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.21	
		<i>For >50 To 100, Deduct</i>	-23.97	
		<i>For >100, Deduct</i>	-34.72	
08 14 16 00-0343	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	340.86	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
		<i>For Stave Lumber Core (SLC), Add</i>	190.63	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.38	
		<i>For >50 To 100, Deduct</i>	-19.21	
		<i>For >100, Deduct</i>	-27.73	
08 14 16 00-0344	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	340.86	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
		<i>For Stave Lumber Core (SLC), Add</i>	190.63	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.38	
		<i>For >50 To 100, Deduct</i>	-19.21	
		<i>For >100, Deduct</i>	-27.73	
08 14 16 00-0345	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	358.20	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
		<i>For Stave Lumber Core (SLC), Add</i>	200.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.41	
		<i>For >50 To 100, Deduct</i>	-20.18	
		<i>For >100, Deduct</i>	-29.13	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0346	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	371.55		45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62		
		<i>For Stave Lumber Core (SLC), Add</i>	210.70		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.42		
		<i>For >50 To 100, Deduct</i>	-20.84		
		<i>For >100, Deduct</i>	-30.13		
08 14 16 00-0347	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	379.66		45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.78		
		<i>For Stave Lumber Core (SLC), Add</i>	216.78		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.07		
		<i>For >50 To 100, Deduct</i>	-21.25		
		<i>For >100, Deduct</i>	-30.74		
08 14 16 00-0348	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	391.77		47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.94		
		<i>For Stave Lumber Core (SLC), Add</i>	222.91		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.74		
		<i>For >50 To 100, Deduct</i>	-21.95		
		<i>For >100, Deduct</i>	-31.75		
08 14 16 00-0349	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	424.38		47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.60		
		<i>For Stave Lumber Core (SLC), Add</i>	247.37		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.42		
		<i>For >50 To 100, Deduct</i>	-23.58		
		<i>For >100, Deduct</i>	-34.19		
08 14 16 00-0350	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	449.39		49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.02		
		<i>For Stave Lumber Core (SLC), Add</i>	263.17		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	157.90		
		<i>For >50 To 100, Deduct</i>	-24.93		
		<i>For >100, Deduct</i>	-36.17		
08 14 16 00-0351	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	390.43		43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.07		
		<i>For Stave Lumber Core (SLC), Add</i>	227.81		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.68		
		<i>For >50 To 100, Deduct</i>	-21.69		
		<i>For >100, Deduct</i>	-31.45		
08 14 16 00-0352	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	390.43		43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.07		
		<i>For Stave Lumber Core (SLC), Add</i>	227.81		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.68		
		<i>For >50 To 100, Deduct</i>	-21.69		
		<i>For >100, Deduct</i>	-31.45		
08 14 16 00-0353	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	410.38		45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.40		
		<i>For Stave Lumber Core (SLC), Add</i>	239.82		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.89		
		<i>For >50 To 100, Deduct</i>	-22.78		
		<i>For >100, Deduct</i>	-33.04		
08 14 16 00-0354	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	426.31		45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.71		
		<i>For Stave Lumber Core (SLC), Add</i>	251.77		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.06		
		<i>For >50 To 100, Deduct</i>	-23.58		
		<i>For >100, Deduct</i>	-34.24		
08 14 16 00-0355	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	436.03		45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.91		
		<i>For Stave Lumber Core (SLC), Add</i>	259.06		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	155.43		
		<i>For >50 To 100, Deduct</i>	-24.07		
		<i>For >100, Deduct</i>	-34.97		
08 14 16 00-0356	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	449.72		47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.10		
		<i>For Stave Lumber Core (SLC), Add</i>	266.37		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	159.82		
		<i>For >50 To 100, Deduct</i>	-24.85		
		<i>For >100, Deduct</i>	-36.09		
08 14 16 00-0357	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	488.70		47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.88		
		<i>For Stave Lumber Core (SLC), Add</i>	295.61		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	177.36		
		<i>For >50 To 100, Deduct</i>	-26.80		
		<i>For >100, Deduct</i>	-39.02		
08 14 16 00-0358	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	517.82		49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.39		
		<i>For Stave Lumber Core (SLC), Add</i>	314.49		
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	188.69		
		<i>For >50 To 100, Deduct</i>	-28.35		
		<i>For >100, Deduct</i>	-41.30		
08 14 16 00-0359 Luan Faced Wood Doors <small>(08 14 16 00-0283)</small>					
08 14 16 00-0360	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	207.51		43.34
		<i>For >50 To 100, Deduct</i>	-12.54		
		<i>For >100, Deduct</i>	-17.73		
08 14 16 00-0361	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	207.51		43.34
		<i>For >50 To 100, Deduct</i>	-12.54		
		<i>For >100, Deduct</i>	-17.73		
08 14 16 00-0362	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	218.05		45.31
		<i>For >50 To 100, Deduct</i>	-13.17		
		<i>For >100, Deduct</i>	-18.62		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0363	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	224.71	45.31
		<i>For >50 To 100, Deduct</i>	-13.50	
		<i>For >100, Deduct</i>	-19.12	
08 14 16 00-0364	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	228.06	45.31
		<i>For >50 To 100, Deduct</i>	-13.67	
		<i>For >100, Deduct</i>	-19.37	
08 14 16 00-0365	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	235.37	47.28
		<i>For >50 To 100, Deduct</i>	-14.13	
		<i>For >100, Deduct</i>	-20.02	
08 14 16 00-0366	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	250.83	47.28
		<i>For >50 To 100, Deduct</i>	-14.91	
		<i>For >100, Deduct</i>	-21.18	
08 14 16 00-0367	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	267.02	49.25
		<i>For >50 To 100, Deduct</i>	-15.81	
		<i>For >100, Deduct</i>	-22.49	
08 14 16 00-0368	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	214.54	43.34
		<i>For >50 To 100, Deduct</i>	-12.89	
		<i>For >100, Deduct</i>	-18.26	
08 14 16 00-0369	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	214.54	43.34
		<i>For >50 To 100, Deduct</i>	-12.89	
		<i>For >100, Deduct</i>	-18.26	
08 14 16 00-0370	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	225.48	45.31
		<i>For >50 To 100, Deduct</i>	-13.54	
		<i>For >100, Deduct</i>	-19.18	
08 14 16 00-0371	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	232.52	45.31
		<i>For >50 To 100, Deduct</i>	-13.89	
		<i>For >100, Deduct</i>	-19.70	
08 14 16 00-0372	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	236.06	45.31
		<i>For >50 To 100, Deduct</i>	-14.07	
		<i>For >100, Deduct</i>	-19.97	
08 14 16 00-0373	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	243.55	47.28
		<i>For >50 To 100, Deduct</i>	-14.54	
		<i>For >100, Deduct</i>	-20.63	
08 14 16 00-0374	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	259.94	47.28
		<i>For >50 To 100, Deduct</i>	-15.36	
		<i>For >100, Deduct</i>	-21.86	
08 14 16 00-0375	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	276.81	49.25
		<i>For >50 To 100, Deduct</i>	-16.30	
		<i>For >100, Deduct</i>	-23.22	
08 14 16 00-0376	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	239.48	43.34
		<i>For >50 To 100, Deduct</i>	-14.14	
		<i>For >100, Deduct</i>	-20.13	
08 14 16 00-0377	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	239.48	43.34
		<i>For >50 To 100, Deduct</i>	-14.14	
		<i>For >100, Deduct</i>	-20.13	
08 14 16 00-0378	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	251.76	45.31
		<i>For >50 To 100, Deduct</i>	-14.85	
		<i>For >100, Deduct</i>	-21.15	
08 14 16 00-0379	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	260.19	45.31
		<i>For >50 To 100, Deduct</i>	-15.28	
		<i>For >100, Deduct</i>	-21.78	
08 14 16 00-0380	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	264.43	45.31
		<i>For >50 To 100, Deduct</i>	-15.49	
		<i>For >100, Deduct</i>	-22.10	
08 14 16 00-0381	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	272.61	47.28
		<i>For >50 To 100, Deduct</i>	-15.99	
		<i>For >100, Deduct</i>	-22.81	
08 14 16 00-0382	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	292.18	47.28
		<i>For >50 To 100, Deduct</i>	-16.97	
		<i>For >100, Deduct</i>	-24.28	
08 14 16 00-0383	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.58	49.25
		<i>For >50 To 100, Deduct</i>	-18.04	
		<i>For >100, Deduct</i>	-25.83	

08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0385	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	223.13	43.34
		<i>For Stave Lumber Core (SLC), Add</i>	102.33	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	61.40	
		<i>For >50 To 100, Deduct</i>	-13.32	
		<i>For >100, Deduct</i>	-18.90	
08 14 16 00-0386	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	223.13	43.34
		<i>For Stave Lumber Core (SLC), Add</i>	102.33	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	61.40	
		<i>For >50 To 100, Deduct</i>	-13.32	
		<i>For >100, Deduct</i>	-18.90	
08 14 16 00-0387	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	234.98	45.31
		<i>For Stave Lumber Core (SLC), Add</i>	108.27	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	64.96	
		<i>For >50 To 100, Deduct</i>	-14.01	
		<i>For >100, Deduct</i>	-19.89	
08 14 16 00-0388	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	242.89	45.31
		<i>For Stave Lumber Core (SLC), Add</i>	114.20	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	68.52	
		<i>For >50 To 100, Deduct</i>	-14.41	
		<i>For >100, Deduct</i>	-20.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	244.33 115.28 69.17 -14.48 -20.59	45.31
08 14 16 00-0390	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	249.75 116.39 69.84 -14.85 -21.10	47.28
08 14 16 00-0391	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	266.87 129.23 77.54 -15.71 -22.38	47.28
08 14 16 00-0392	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	302.02 152.64 91.58 -17.56 -25.11	49.25
08 14 16 00-0393	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	231.07 108.29 64.97 -13.72 -19.50	43.34
08 14 16 00-0394	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	231.08 108.29 64.98 -13.72 -19.50	43.34
08 14 16 00-0395	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	243.39 114.58 68.75 -14.44 -20.52	45.31
08 14 16 00-0396	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	251.75 120.85 72.51 -14.85 -21.15	45.31
08 14 16 00-0397	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	253.29 122.00 73.20 -14.93 -21.26	45.31
08 14 16 00-0398	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	258.78 123.17 73.90 -15.30 -21.77	47.28
08 14 16 00-0399	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	276.90 136.76 82.05 -16.21 -23.13	47.28
08 14 16 00-0400	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	313.88 161.54 96.92 -18.16 -26.00	49.25
08 14 16 00-0401	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	259.21 129.39 77.63 -15.13 -21.61	43.34
08 14 16 00-0402	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	259.24 129.41 77.65 -15.13 -21.61	43.34
08 14 16 00-0403	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	273.18 136.92 82.15 -15.92 -22.75	45.31
08 14 16 00-0404	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	283.16 144.41 86.64 -16.42 -23.50	45.31
08 14 16 00-0405	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	285.00 145.79 87.47 -16.52 -23.64	45.31
08 14 16 00-0406	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	290.81 147.19 88.31 -16.90 -24.17	47.28

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0407	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	312.46	47.28
	For Stave Lumber Core (SLC), Add	163.43	
	For Structural Composite Lumber Core (SCLC), Add	98.06	
	For >50 To 100, Deduct	-17.99	
	For >100, Deduct	-25.80	
08 14 16 00-0408	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	355.88	49.25
	For Stave Lumber Core (SLC), Add	193.04	
	For Structural Composite Lumber Core (SCLC), Add	115.82	
	For >50 To 100, Deduct	-20.26	
	For >100, Deduct	-29.15	
08 14 16 00-0409	1-3/4" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
	Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0410	Birch Faced Wood Doors <small>(08 14 16 00-0409)</small>		
08 14 16 00-0411	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	284.15	43.34
	For 7 Ply Cold Press Construction, Deduct	-3.95	
	For Stave Lumber Core (SLC), Add	148.10	
	For Structural Composite Lumber Core (SCLC), Add	88.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.70	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.63	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.10	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.95	
	For >50 To 100, Deduct	-16.37	
	For >100, Deduct	-23.48	
08 14 16 00-0412	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	284.15	43.34
	For 7 Ply Cold Press Construction, Deduct	-3.95	
	For Stave Lumber Core (SLC), Add	148.10	
	For Structural Composite Lumber Core (SCLC), Add	88.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.70	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.63	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.10	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.95	
	For >50 To 100, Deduct	-16.37	
	For >100, Deduct	-23.48	
08 14 16 00-0413	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	277.68	45.31
	For 7 Ply Cold Press Construction, Deduct	-3.74	
	For Stave Lumber Core (SLC), Add	140.30	
	For Structural Composite Lumber Core (SCLC), Add	84.18	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.45	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.01	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.30	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	224.47	
	For >50 To 100, Deduct	-16.15	
	For >100, Deduct	-23.09	
08 14 16 00-0414	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	285.48	45.31
	For 7 Ply Cold Press Construction, Deduct	-3.90	
	For Stave Lumber Core (SLC), Add	146.15	
	For Structural Composite Lumber Core (SCLC), Add	87.69	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.38	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.22	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.15	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.83	
	For >50 To 100, Deduct	-16.54	
	For >100, Deduct	-23.68	
08 14 16 00-0415	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	290.69	45.31
	For 7 Ply Cold Press Construction, Deduct	-4.00	
	For Stave Lumber Core (SLC), Add	150.05	
	For Structural Composite Lumber Core (SCLC), Add	90.03	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.01	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	108.04	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	150.05	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	240.08	
	For >50 To 100, Deduct	-16.80	
	For >100, Deduct	-24.07	
08 14 16 00-0416	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	299.82	47.28
	For 7 Ply Cold Press Construction, Deduct	-4.11	
	For Stave Lumber Core (SLC), Add	153.95	
	For Structural Composite Lumber Core (SCLC), Add	92.37	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.63	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.84	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.95	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	246.31	
	For >50 To 100, Deduct	-17.36	
	For >100, Deduct	-24.85	
08 14 16 00-0417	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	322.39	47.28
	For 7 Ply Cold Press Construction, Deduct	-4.56	
	For Stave Lumber Core (SLC), Add	170.87	
	For Structural Composite Lumber Core (SCLC), Add	102.52	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.34	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	123.03	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.87	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	273.40	
	For >50 To 100, Deduct	-18.48	
	For >100, Deduct	-26.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0418	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	375.11	49.25
			For 7 Ply Cold Press Construction, Deduct	-5.53	
			For Stave Lumber Core (SLC), Add	207.46	
			For Structural Composite Lumber Core (SCLC), Add	124.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	331.93	
			For >50 To 100, Deduct	-21.22	
			For >100, Deduct	-30.60	
08 14 16 00-0419	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	388.94	49.25
			For 7 Ply Cold Press Construction, Deduct	-5.81	
			For Stave Lumber Core (SLC), Add	217.83	
			For Structural Composite Lumber Core (SCLC), Add	130.70	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	156.84	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	217.83	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	348.53	
			For >50 To 100, Deduct	-21.91	
			For >100, Deduct	-31.63	
08 14 16 00-0420	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	424.48	53.19
			For 7 Ply Cold Press Construction, Deduct	-6.36	
			For Stave Lumber Core (SLC), Add	238.58	
			For Structural Composite Lumber Core (SCLC), Add	143.15	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.58	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	381.72	
			For >50 To 100, Deduct	-23.88	
			For >100, Deduct	-34.50	
08 14 16 00-0421	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	274.81	43.34
			For 7 Ply Cold Press Construction, Deduct	-3.76	
			For Stave Lumber Core (SLC), Add	141.09	
			For Structural Composite Lumber Core (SCLC), Add	84.65	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.09	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	225.74	
			For >50 To 100, Deduct	-15.91	
			For >100, Deduct	-22.78	
08 14 16 00-0422	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	274.81	43.34
			For 7 Ply Cold Press Construction, Deduct	-3.76	
			For Stave Lumber Core (SLC), Add	141.09	
			For Structural Composite Lumber Core (SCLC), Add	84.65	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.09	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	225.74	
			For >50 To 100, Deduct	-15.91	
			For >100, Deduct	-22.78	
08 14 16 00-0423	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	288.57	45.31
			For 7 Ply Cold Press Construction, Deduct	-3.96	
			For Stave Lumber Core (SLC), Add	148.46	
			For Structural Composite Lumber Core (SCLC), Add	89.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.46	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	237.54	
			For >50 To 100, Deduct	-16.69	
			For >100, Deduct	-23.91	
08 14 16 00-0424	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	296.82	45.31
			For 7 Ply Cold Press Construction, Deduct	-4.12	
			For Stave Lumber Core (SLC), Add	154.65	
			For Structural Composite Lumber Core (SCLC), Add	92.79	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.74	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	154.65	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	247.44	
			For >50 To 100, Deduct	-17.11	
			For >100, Deduct	-24.53	
08 14 16 00-0425	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	302.33	45.31
			For 7 Ply Cold Press Construction, Deduct	-4.23	
			For Stave Lumber Core (SLC), Add	158.78	
			For Structural Composite Lumber Core (SCLC), Add	95.27	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.41	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.78	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	254.05	
			For >50 To 100, Deduct	-17.38	
			For >100, Deduct	-24.94	
08 14 16 00-0426	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	311.76	47.28
			For 7 Ply Cold Press Construction, Deduct	-4.34	
			For Stave Lumber Core (SLC), Add	162.90	
			For Structural Composite Lumber Core (SCLC), Add	97.74	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.29	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.64	
			For >50 To 100, Deduct	-17.95	
			For >100, Deduct	-25.75	

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0427	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	335.65	47.28
		For 7 Ply Cold Press Construction, Deduct	-4.82	
		For Stave Lumber Core (SLC), Add	180.82	
		For Structural Composite Lumber Core (SCLC), Add	108.49	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.93	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.19	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	180.82	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	289.31	
		For >50 To 100, Deduct	-19.15	
		For >100, Deduct	-27.54	
08 14 16 00-0428	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	391.22	49.25
		For 7 Ply Cold Press Construction, Deduct	-5.85	
		For Stave Lumber Core (SLC), Add	219.54	
		For Structural Composite Lumber Core (SCLC), Add	131.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.13	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.07	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	219.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	351.26	
		For >50 To 100, Deduct	-22.02	
		For >100, Deduct	-31.80	
08 14 16 00-0429	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.85	49.25
		For 7 Ply Cold Press Construction, Deduct	-6.15	
		For Stave Lumber Core (SLC), Add	230.51	
		For Structural Composite Lumber Core (SCLC), Add	138.31	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.88	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.97	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.51	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.82	
		For >50 To 100, Deduct	-22.76	
		For >100, Deduct	-32.90	
08 14 16 00-0430	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	442.99	53.19
		For 7 Ply Cold Press Construction, Deduct	-6.73	
		For Stave Lumber Core (SLC), Add	252.46	
		For Structural Composite Lumber Core (SCLC), Add	151.47	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.77	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.46	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	403.93	
		For >50 To 100, Deduct	-24.81	
		For >100, Deduct	-35.88	
08 14 16 00-0431	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	336.38	43.34
		For 7 Ply Cold Press Construction, Deduct	-4.99	
		For Stave Lumber Core (SLC), Add	187.27	
		For Structural Composite Lumber Core (SCLC), Add	112.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.96	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	299.63	
		For >50 To 100, Deduct	-18.99	
		For >100, Deduct	-27.40	
08 14 16 00-0432	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	336.38	43.34
		For 7 Ply Cold Press Construction, Deduct	-4.99	
		For Stave Lumber Core (SLC), Add	187.27	
		For Structural Composite Lumber Core (SCLC), Add	112.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.96	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	299.63	
		For >50 To 100, Deduct	-18.99	
		For >100, Deduct	-27.40	
08 14 16 00-0433	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	327.17	45.31
		For 7 Ply Cold Press Construction, Deduct	-4.73	
		For Stave Lumber Core (SLC), Add	177.41	
		For Structural Composite Lumber Core (SCLC), Add	106.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.74	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.41	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.86	
		For >50 To 100, Deduct	-18.62	
		For >100, Deduct	-26.80	
08 14 16 00-0434	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	337.02	45.31
		For 7 Ply Cold Press Construction, Deduct	-4.93	
		For Stave Lumber Core (SLC), Add	184.80	
		For Structural Composite Lumber Core (SCLC), Add	110.88	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.06	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.68	
		For >50 To 100, Deduct	-19.12	
		For >100, Deduct	-27.54	
08 14 16 00-0435	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	343.61	45.31
		For 7 Ply Cold Press Construction, Deduct	-5.06	
		For Stave Lumber Core (SLC), Add	189.74	
		For Structural Composite Lumber Core (SCLC), Add	113.85	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.74	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.59	
		For >50 To 100, Deduct	-19.45	
		For >100, Deduct	-28.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0436	EA	3'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	354.10 -5.19 194.66 116.79 31.14 140.15 194.66 311.45 -20.07 -28.92	47.28
08 14 16 00-0437	EA	3'-4" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	382.66 -5.76 216.08 129.65 34.57 155.57 216.08 345.72 -21.50 -31.06	47.28
08 14 16 00-0438	EA	3'-6" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	448.28 -7.00 262.34 157.40 41.97 188.88 262.34 419.74 -24.88 -36.08	49.25
08 14 16 00-0439	EA	3'-8" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	465.77 -7.35 275.45 165.27 44.07 198.33 275.45 440.72 -25.75 -37.40	49.25
08 14 16 00-0440	EA	4'-0" x 8' x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	508.63 -8.05 301.69 181.01 48.27 217.22 301.69 482.70 -28.09 -40.81	53.19

08 14 16 00-0441 Oak Faced Wood Doors (08 14 16 00-0409)

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.40 -5.33 200.03 120.02 32.01 144.02 200.03 320.05 -19.84 -28.67	43.34
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.40 -5.33 200.03 120.02 32.01 144.02 200.03 320.05 -19.84 -28.67	43.34
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4"	Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	357.33 -5.33 200.03 120.02 32.01 144.02 200.03 320.05 -20.13 -29.07	45.31

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	360.07	45.31
		For 7 Ply Cold Press Construction, Deduct	-5.39	
		For Stave Lumber Core (SLC), Add	202.09	
		For Structural Composite Lumber Core (SCLC), Add	121.25	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.33	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.50	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	202.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	323.34	
		For >50 To 100, Deduct	-20.27	
		For >100, Deduct	-29.27	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	361.31	45.31
		For 7 Ply Cold Press Construction, Deduct	-5.41	
		For Stave Lumber Core (SLC), Add	203.02	
		For Structural Composite Lumber Core (SCLC), Add	121.81	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.17	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.02	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	324.83	
		For >50 To 100, Deduct	-20.33	
		For >100, Deduct	-29.36	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	366.48	47.28
		For 7 Ply Cold Press Construction, Deduct	-5.44	
		For Stave Lumber Core (SLC), Add	203.94	
		For Structural Composite Lumber Core (SCLC), Add	122.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.63	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	203.94	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	326.30	
		For >50 To 100, Deduct	-20.69	
		For >100, Deduct	-29.85	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	396.35	47.28
		For 7 Ply Cold Press Construction, Deduct	-6.04	
		For Stave Lumber Core (SLC), Add	226.34	
		For Structural Composite Lumber Core (SCLC), Add	135.81	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.97	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	362.15	
		For >50 To 100, Deduct	-22.18	
		For >100, Deduct	-32.09	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	477.20	49.25
		For 7 Ply Cold Press Construction, Deduct	-7.57	
		For Stave Lumber Core (SLC), Add	284.03	
		For Structural Composite Lumber Core (SCLC), Add	170.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	204.50	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	284.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	454.44	
		For >50 To 100, Deduct	-26.32	
		For >100, Deduct	-38.25	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	496.40	49.25
		For 7 Ply Cold Press Construction, Deduct	-7.96	
		For Stave Lumber Core (SLC), Add	298.43	
		For Structural Composite Lumber Core (SCLC), Add	179.06	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.87	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	298.43	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	477.48	
		For >50 To 100, Deduct	-27.28	
		For >100, Deduct	-39.69	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	541.90	53.19
		For 7 Ply Cold Press Construction, Deduct	-8.71	
		For Stave Lumber Core (SLC), Add	326.64	
		For Structural Composite Lumber Core (SCLC), Add	195.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	326.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	522.62	
		For >50 To 100, Deduct	-29.75	
		For >100, Deduct	-43.30	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	368.91	43.34
		For 7 Ply Cold Press Construction, Deduct	-5.64	
		For Stave Lumber Core (SLC), Add	211.67	
		For Structural Composite Lumber Core (SCLC), Add	127.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
		For >50 To 100, Deduct	-20.61	
		For >100, Deduct	-29.84	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	368.91	43.34
		For 7 Ply Cold Press Construction, Deduct	-5.64	
		For Stave Lumber Core (SLC), Add	211.67	
		For Structural Composite Lumber Core (SCLC), Add	127.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
		For >50 To 100, Deduct	-20.61	
		For >100, Deduct	-29.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	372.84	45.31
			For 7 Ply Cold Press Construction, Deduct	-5.64	
			For Stave Lumber Core (SLC), Add	211.67	
			For Structural Composite Lumber Core (SCLC), Add	127.00	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.87	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.40	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.67	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.66	
			For >50 To 100, Deduct	-20.91	
			For >100, Deduct	-30.23	
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	375.74	45.31
			For 7 Ply Cold Press Construction, Deduct	-5.70	
			For Stave Lumber Core (SLC), Add	213.84	
			For Structural Composite Lumber Core (SCLC), Add	128.30	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.21	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.96	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	213.84	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	342.14	
			For >50 To 100, Deduct	-21.05	
			For >100, Deduct	-30.45	
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	377.06	45.31
			For 7 Ply Cold Press Construction, Deduct	-5.73	
			For Stave Lumber Core (SLC), Add	214.83	
			For Structural Composite Lumber Core (SCLC), Add	128.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.37	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.68	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.83	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.73	
			For >50 To 100, Deduct	-21.12	
			For >100, Deduct	-30.55	
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	382.31	47.28
			For 7 Ply Cold Press Construction, Deduct	-5.76	
			For Stave Lumber Core (SLC), Add	215.81	
			For Structural Composite Lumber Core (SCLC), Add	129.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	155.39	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	215.81	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	345.30	
			For >50 To 100, Deduct	-21.48	
			For >100, Deduct	-31.04	
08 14 16 00-0458	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	413.92	47.28
			For 7 Ply Cold Press Construction, Deduct	-6.39	
			For Stave Lumber Core (SLC), Add	239.52	
			For Structural Composite Lumber Core (SCLC), Add	143.71	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.45	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	383.23	
			For >50 To 100, Deduct	-23.06	
			For >100, Deduct	-33.41	
08 14 16 00-0459	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	499.25	49.25
			For 7 Ply Cold Press Construction, Deduct	-8.02	
			For Stave Lumber Core (SLC), Add	300.56	
			For Structural Composite Lumber Core (SCLC), Add	180.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.09	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	216.41	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	300.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	480.90	
			For >50 To 100, Deduct	-27.43	
			For >100, Deduct	-39.91	
08 14 16 00-0460	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	519.56	49.25
			For 7 Ply Cold Press Construction, Deduct	-8.42	
			For Stave Lumber Core (SLC), Add	315.80	
			For Structural Composite Lumber Core (SCLC), Add	189.48	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	227.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	315.80	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	505.27	
			For >50 To 100, Deduct	-28.44	
			For >100, Deduct	-41.43	
08 14 16 00-0461	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	567.23	53.19
			For 7 Ply Cold Press Construction, Deduct	-9.22	
			For Stave Lumber Core (SLC), Add	345.64	
			For Structural Composite Lumber Core (SCLC), Add	207.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	248.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.64	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.02	
			For >50 To 100, Deduct	-31.02	
			For >100, Deduct	-45.20	
08 14 16 00-0462	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	423.93	43.34
			For 7 Ply Cold Press Construction, Deduct	-6.74	
			For Stave Lumber Core (SLC), Add	252.93	
			For Structural Composite Lumber Core (SCLC), Add	151.76	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	404.69	
			For >50 To 100, Deduct	-23.36	
			For >100, Deduct	-33.96	

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	423.93	43.34
		For 7 Ply Cold Press Construction, Deduct	-6.74	
		For Stave Lumber Core (SLC), Add	252.93	
		For Structural Composite Lumber Core (SCLC), Add	151.76	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.47	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.11	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.93	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	404.69	
		For >50 To 100, Deduct	-23.36	
		For >100, Deduct	-33.96	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	427.86	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.74	
		For Stave Lumber Core (SLC), Add	252.93	
		For Structural Composite Lumber Core (SCLC), Add	151.76	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.47	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.11	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.93	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	404.69	
		For >50 To 100, Deduct	-23.66	
		For >100, Deduct	-34.36	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	431.34	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.81	
		For Stave Lumber Core (SLC), Add	255.54	
		For Structural Composite Lumber Core (SCLC), Add	153.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.89	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.99	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	255.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	408.86	
		For >50 To 100, Deduct	-23.83	
		For >100, Deduct	-34.62	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	432.92	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.85	
		For Stave Lumber Core (SLC), Add	256.73	
		For Structural Composite Lumber Core (SCLC), Add	154.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	184.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	256.73	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	410.76	
		For >50 To 100, Deduct	-23.91	
		For >100, Deduct	-34.73	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	438.42	47.28
		For 7 Ply Cold Press Construction, Deduct	-6.88	
		For Stave Lumber Core (SLC), Add	257.90	
		For Structural Composite Lumber Core (SCLC), Add	154.74	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	185.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	257.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	412.63	
		For >50 To 100, Deduct	-24.29	
		For >100, Deduct	-35.25	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.19	47.28
		For 7 Ply Cold Press Construction, Deduct	-7.63	
		For Stave Lumber Core (SLC), Add	286.22	
		For Structural Composite Lumber Core (SCLC), Add	171.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	286.22	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.96	
		For >50 To 100, Deduct	-26.17	
		For >100, Deduct	-38.08	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	577.40	49.25
		For 7 Ply Cold Press Construction, Deduct	-9.58	
		For Stave Lumber Core (SLC), Add	359.18	
		For Structural Composite Lumber Core (SCLC), Add	215.51	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.47	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	258.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	359.18	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	574.68	
		For >50 To 100, Deduct	-31.33	
		For >100, Deduct	-45.77	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	601.65	49.25
		For 7 Ply Cold Press Construction, Deduct	-10.06	
		For Stave Lumber Core (SLC), Add	377.36	
		For Structural Composite Lumber Core (SCLC), Add	226.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	271.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	377.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	603.78	
		For >50 To 100, Deduct	-32.55	
		For >100, Deduct	-47.59	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	657.10	53.19
		For 7 Ply Cold Press Construction, Deduct	-11.01	
		For Stave Lumber Core (SLC), Add	413.04	
		For Structural Composite Lumber Core (SCLC), Add	247.82	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.09	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	297.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	413.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	660.86	
		For >50 To 100, Deduct	-35.51	
		For >100, Deduct	-51.94	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0472 Maple Faced Wood Doors (08 14 16 00-0409)			
08 14 16 00-0473	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	406.74	43.34
	For 7 Ply Cold Press Construction, Deduct	-6.40	
	For Stave Lumber Core (SLC), Add	240.04	
	For Structural Composite Lumber Core (SCLC), Add	144.02	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
	For >50 To 100, Deduct	-22.50	
	For >100, Deduct	-32.67	
08 14 16 00-0474	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	406.74	43.34
	For 7 Ply Cold Press Construction, Deduct	-6.40	
	For Stave Lumber Core (SLC), Add	240.04	
	For Structural Composite Lumber Core (SCLC), Add	144.02	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
	For >50 To 100, Deduct	-22.50	
	For >100, Deduct	-32.67	
08 14 16 00-0475	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	410.67	45.31
	For 7 Ply Cold Press Construction, Deduct	-6.40	
	For Stave Lumber Core (SLC), Add	240.04	
	For Structural Composite Lumber Core (SCLC), Add	144.02	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.41	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.83	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	240.04	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	384.06	
	For >50 To 100, Deduct	-22.80	
	For >100, Deduct	-33.07	
08 14 16 00-0476	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	413.96	45.31
	For 7 Ply Cold Press Construction, Deduct	-6.47	
	For Stave Lumber Core (SLC), Add	242.51	
	For Structural Composite Lumber Core (SCLC), Add	145.50	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.80	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.60	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.51	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.01	
	For >50 To 100, Deduct	-22.96	
	For >100, Deduct	-33.31	
08 14 16 00-0477	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	415.43	45.31
	For 7 Ply Cold Press Construction, Deduct	-6.50	
	For Stave Lumber Core (SLC), Add	243.61	
	For Structural Composite Lumber Core (SCLC), Add	146.16	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.98	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.40	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.61	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.77	
	For >50 To 100, Deduct	-23.04	
	For >100, Deduct	-33.42	
08 14 16 00-0478	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	420.87	47.28
	For 7 Ply Cold Press Construction, Deduct	-6.53	
	For Stave Lumber Core (SLC), Add	244.73	
	For Structural Composite Lumber Core (SCLC), Add	146.84	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.16	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	176.21	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.73	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	391.57	
	For >50 To 100, Deduct	-23.41	
	For >100, Deduct	-33.93	
08 14 16 00-0479	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	456.72	47.28
	For 7 Ply Cold Press Construction, Deduct	-7.24	
	For Stave Lumber Core (SLC), Add	271.62	
	For Structural Composite Lumber Core (SCLC), Add	162.97	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.46	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.57	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.62	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.59	
	For >50 To 100, Deduct	-25.20	
	For >100, Deduct	-36.62	
08 14 16 00-0480	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.22	49.25
	For 7 Ply Cold Press Construction, Deduct	-8.63	
	For Stave Lumber Core (SLC), Add	323.79	
	For Structural Composite Lumber Core (SCLC), Add	194.27	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.81	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	233.13	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	323.79	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	518.06	
	For >50 To 100, Deduct	-28.97	
	For >100, Deduct	-42.23	
08 14 16 00-0481	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	575.66	49.25
	For 7 Ply Cold Press Construction, Deduct	-9.54	
	For Stave Lumber Core (SLC), Add	357.87	
	For Structural Composite Lumber Core (SCLC), Add	214.72	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.26	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	257.67	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	357.87	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	572.59	
	For >50 To 100, Deduct	-31.25	
	For >100, Deduct	-45.64	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	621.14	49.25
		For 7 Ply Cold Press Construction, Deduct	-10.45	
		For Stave Lumber Core (SLC), Add	391.98	
		For Structural Composite Lumber Core (SCLC), Add	235.19	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	391.98	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	627.17	
		For >50 To 100, Deduct	-33.52	
		For >100, Deduct	-49.05	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	425.36	43.34
		For 7 Ply Cold Press Construction, Deduct	-6.77	
		For Stave Lumber Core (SLC), Add	254.00	
		For Structural Composite Lumber Core (SCLC), Add	152.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
		For >50 To 100, Deduct	-23.44	
		For >100, Deduct	-34.07	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	425.36	43.34
		For 7 Ply Cold Press Construction, Deduct	-6.77	
		For Stave Lumber Core (SLC), Add	254.00	
		For Structural Composite Lumber Core (SCLC), Add	152.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
		For >50 To 100, Deduct	-23.44	
		For >100, Deduct	-34.07	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	429.29	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.77	
		For Stave Lumber Core (SLC), Add	254.00	
		For Structural Composite Lumber Core (SCLC), Add	152.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.88	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	406.40	
		For >50 To 100, Deduct	-23.73	
		For >100, Deduct	-34.46	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	432.76	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.84	
		For Stave Lumber Core (SLC), Add	256.61	
		For Structural Composite Lumber Core (SCLC), Add	153.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.06	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	184.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	256.61	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	410.57	
		For >50 To 100, Deduct	-23.90	
		For >100, Deduct	-34.72	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	434.34	45.31
		For 7 Ply Cold Press Construction, Deduct	-6.87	
		For Stave Lumber Core (SLC), Add	257.79	
		For Structural Composite Lumber Core (SCLC), Add	154.67	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	185.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	257.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	412.46	
		For >50 To 100, Deduct	-23.98	
		For >100, Deduct	-34.84	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	439.86	47.28
		For 7 Ply Cold Press Construction, Deduct	-6.91	
		For Stave Lumber Core (SLC), Add	258.98	
		For Structural Composite Lumber Core (SCLC), Add	155.39	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.98	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	414.36	
		For >50 To 100, Deduct	-24.36	
		For >100, Deduct	-35.35	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	477.79	47.28
		For 7 Ply Cold Press Construction, Deduct	-7.66	
		For Stave Lumber Core (SLC), Add	287.42	
		For Structural Composite Lumber Core (SCLC), Add	172.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.42	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.88	
		For >50 To 100, Deduct	-26.25	
		For >100, Deduct	-38.20	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	555.35	49.25
		For 7 Ply Cold Press Construction, Deduct	-9.14	
		For Stave Lumber Core (SLC), Add	342.64	
		For Structural Composite Lumber Core (SCLC), Add	205.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	246.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	342.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	548.22	
		For >50 To 100, Deduct	-30.23	
		For >100, Deduct	-44.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0491	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	603.44	49.25
			For 7 Ply Cold Press Construction, Deduct	-10.10	
			For Stave Lumber Core (SLC), Add	378.71	
			For Structural Composite Lumber Core (SCLC), Add	227.22	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	272.67	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	378.71	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	605.93	
			For >50 To 100, Deduct	-32.63	
			For >100, Deduct	-47.72	
08 14 16 00-0492	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	651.57	49.25
			For 7 Ply Cold Press Construction, Deduct	-11.06	
			For Stave Lumber Core (SLC), Add	414.80	
			For Structural Composite Lumber Core (SCLC), Add	248.88	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	66.37	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	298.66	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	414.80	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	663.68	
			For >50 To 100, Deduct	-35.04	
			For >100, Deduct	-51.33	
08 14 16 00-0493	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	491.39	43.34
			For 7 Ply Cold Press Construction, Deduct	-8.09	
			For Stave Lumber Core (SLC), Add	303.53	
			For Structural Composite Lumber Core (SCLC), Add	182.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
			For >50 To 100, Deduct	-26.74	
			For >100, Deduct	-39.02	
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	491.39	43.34
			For 7 Ply Cold Press Construction, Deduct	-8.09	
			For Stave Lumber Core (SLC), Add	303.53	
			For Structural Composite Lumber Core (SCLC), Add	182.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
			For >50 To 100, Deduct	-26.74	
			For >100, Deduct	-39.02	
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	495.32	45.31
			For 7 Ply Cold Press Construction, Deduct	-8.09	
			For Stave Lumber Core (SLC), Add	303.53	
			For Structural Composite Lumber Core (SCLC), Add	182.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	303.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	485.64	
			For >50 To 100, Deduct	-27.03	
			For >100, Deduct	-39.41	
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	499.48	45.31
			For 7 Ply Cold Press Construction, Deduct	-8.18	
			For Stave Lumber Core (SLC), Add	306.65	
			For Structural Composite Lumber Core (SCLC), Add	183.99	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	220.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	306.65	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	490.63	
			For >50 To 100, Deduct	-27.24	
			For >100, Deduct	-39.73	
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	501.38	45.31
			For 7 Ply Cold Press Construction, Deduct	-8.22	
			For Stave Lumber Core (SLC), Add	308.07	
			For Structural Composite Lumber Core (SCLC), Add	184.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.29	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	221.81	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	492.91	
			For >50 To 100, Deduct	-27.33	
			For >100, Deduct	-39.87	
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	507.19	47.28
			For 7 Ply Cold Press Construction, Deduct	-8.25	
			For Stave Lumber Core (SLC), Add	309.47	
			For Structural Composite Lumber Core (SCLC), Add	185.68	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	309.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	495.16	
			For >50 To 100, Deduct	-27.72	
			For >100, Deduct	-40.40	
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	552.52	47.28
			For 7 Ply Cold Press Construction, Deduct	-9.16	
			For Stave Lumber Core (SLC), Add	343.47	
			For Structural Composite Lumber Core (SCLC), Add	206.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.96	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.30	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	549.55	
			For >50 To 100, Deduct	-29.99	
			For >100, Deduct	-43.80	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	644.43	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.92	
		<i>For Stave Lumber Core (SLC), Add</i>	409.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	245.67	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	65.51	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	294.80	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	409.45	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	655.12	
		<i>For >50 To 100, Deduct</i>	-34.68	
		<i>For >100, Deduct</i>	-50.79	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	701.90	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.07	
		<i>For Stave Lumber Core (SLC), Add</i>	452.55	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	271.53	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	72.41	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	325.84	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	452.55	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	724.08	
		<i>For >50 To 100, Deduct</i>	-37.56	
		<i>For >100, Deduct</i>	-55.11	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	759.40	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.22	
		<i>For Stave Lumber Core (SLC), Add</i>	495.68	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	297.41	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	79.31	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	356.89	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	495.68	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	793.08	
		<i>For >50 To 100, Deduct</i>	-40.43	
		<i>For >100, Deduct</i>	-59.42	
08 14 16 00-0503		Lauan Faced Wood Doors <small>(08 14 16 00-0409)</small>		
08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	251.15	43.34
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.74	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.81	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.35	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	197.35	
		<i>For >50 To 100, Deduct</i>	-14.72	
		<i>For >100, Deduct</i>	-21.00	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	251.15	43.34
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.74	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.81	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.35	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	197.35	
		<i>For >50 To 100, Deduct</i>	-14.72	
		<i>For >100, Deduct</i>	-21.00	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	255.55	45.31
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.79	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	89.06	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.70	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	197.92	
		<i>For >50 To 100, Deduct</i>	-15.04	
		<i>For >100, Deduct</i>	-21.43	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	260.30	45.31
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.36	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.63	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.26	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	203.62	
		<i>For >50 To 100, Deduct</i>	-15.28	
		<i>For >100, Deduct</i>	-21.79	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	262.01	45.31
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.57	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	92.55	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	128.54	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	205.67	
		<i>For >50 To 100, Deduct</i>	-15.37	
		<i>For >100, Deduct</i>	-21.92	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	267.66	47.28
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.77	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.47	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.83	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	207.72	
		<i>For >50 To 100, Deduct</i>	-15.75	
		<i>For >100, Deduct</i>	-22.44	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.31	47.28
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.65	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	101.93	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.56	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	226.50	
		<i>For >50 To 100, Deduct</i>	-16.53	
		<i>For >100, Deduct</i>	-23.61	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	300.70	49.25
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.26	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.19	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.65	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	242.64	
		<i>For >50 To 100, Deduct</i>	-17.50	
		<i>For >100, Deduct</i>	-25.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	310.82 25.48 114.65 159.24 254.78 -18.00 -25.77	49.25
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	331.05 27.91 125.58 174.41 279.06 -19.02 -27.29	49.25
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	260.71 20.88 93.97 130.52 208.82 -15.20 -21.72	43.34
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	260.71 20.88 93.97 130.52 208.82 -15.20 -21.72	43.34
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	265.15 20.94 94.25 130.90 209.44 -15.52 -22.15	45.31
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	270.16 21.54 96.95 134.66 215.45 -15.77 -22.53	45.31
08 14 16 00-0518	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	271.99 21.76 97.94 136.03 217.64 -15.87 -22.66	45.31
08 14 16 00-0519	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	277.73 21.98 98.91 137.38 219.80 -16.25 -23.19	47.28
08 14 16 00-0520	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	294.29 23.97 107.85 149.80 239.68 -17.08 -24.44	47.28
08 14 16 00-0521	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	312.48 25.68 115.55 160.49 256.78 -18.09 -25.90	49.25
08 14 16 00-0522	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	323.17 26.96 121.32 168.50 269.60 -18.62 -26.70	49.25
08 14 16 00-0523	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	344.59 29.53 132.89 184.57 295.31 -19.69 -28.31	49.25
08 14 16 00-0524	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	294.64 24.95 112.29 155.96 249.54 -16.90 -24.27	43.34

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0525	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	294.64	43.34
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.95	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.96	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.54	
	For >50 To 100, Deduct	-16.90	
	For >100, Deduct	-24.27	
08 14 16 00-0526	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	299.17	45.31
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.03	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.62	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	156.41	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	250.26	
	For >50 To 100, Deduct	-17.22	
	For >100, Deduct	-24.70	
08 14 16 00-0527	EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	305.18	45.31
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.75	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.86	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.92	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.47	
	For >50 To 100, Deduct	-17.52	
	For >100, Deduct	-25.15	
08 14 16 00-0528	EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	307.36	45.31
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.01	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.04	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.56	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.09	
	For >50 To 100, Deduct	-17.63	
	For >100, Deduct	-25.32	
08 14 16 00-0529	EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	313.46	47.28
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.27	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.21	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.18	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	262.68	
	For >50 To 100, Deduct	-18.04	
	For >100, Deduct	-25.87	
08 14 16 00-0530	EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	333.24	47.28
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.64	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.89	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.01	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	286.42	
	For >50 To 100, Deduct	-19.03	
	For >100, Deduct	-27.36	
08 14 16 00-0531	EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	354.20	49.25
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.68	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	138.08	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.78	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.84	
	For >50 To 100, Deduct	-20.17	
	For >100, Deduct	-29.03	
08 14 16 00-0532	EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	366.97	49.25
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.22	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	144.97	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.35	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.16	
	For >50 To 100, Deduct	-20.81	
	For >100, Deduct	-29.99	
08 14 16 00-0533	EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	392.57	49.25
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.29	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.80	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.55	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.88	
	For >50 To 100, Deduct	-22.09	
	For >100, Deduct	-31.91	

08 14 16 00-0534 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0409)

08 14 16 00-0535	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	258.13	43.34
	For Stave Lumber Core (SLC), Add	128.58	
	For Structural Composite Lumber Core (SCLC), Add	77.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For >50 To 100, Deduct	-15.07	
	For >100, Deduct	-21.53	
08 14 16 00-0536	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	258.13	43.34
	For Stave Lumber Core (SLC), Add	128.58	
	For Structural Composite Lumber Core (SCLC), Add	77.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.57	
	For >50 To 100, Deduct	-15.07	
	For >100, Deduct	-21.53	
08 14 16 00-0537	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	271.99	45.31
	For Stave Lumber Core (SLC), Add	136.03	
	For Structural Composite Lumber Core (SCLC), Add	81.62	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.76	
	For >50 To 100, Deduct	-15.87	
	For >100, Deduct	-22.66	
08 14 16 00-0538	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.89	45.31
	For Stave Lumber Core (SLC), Add	143.45	
	For Structural Composite Lumber Core (SCLC), Add	86.07	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.95	
	For >50 To 100, Deduct	-16.36	
	For >100, Deduct	-23.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0539	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.74 144.84 86.90 23.17 -16.45 -23.55	45.31
08 14 16 00-0540	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	289.55 146.24 87.75 23.40 -16.84 -24.08	47.28
08 14 16 00-0541	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	311.04 162.36 97.42 25.98 -17.92 -25.69	47.28
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	354.23 191.80 115.08 30.69 -20.17 -29.03	49.25
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	367.03 201.40 120.84 32.22 -20.81 -29.99	49.25
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.57 220.55 132.33 35.29 -22.09 -31.91	49.25
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	268.11 136.07 81.64 21.77 -15.57 -22.28	43.34
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	268.11 136.07 81.64 21.77 -15.57 -22.28	43.34
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	282.55 143.95 86.37 23.03 -16.39 -23.46	45.31
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	293.04 151.82 91.09 24.29 -16.92 -24.24	45.31
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.98 153.27 91.96 24.52 -17.01 -24.39	45.31
08 14 16 00-0550	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	300.90 154.76 92.85 24.76 -17.41 -24.93	47.28
08 14 16 00-0551	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	323.63 171.80 103.08 27.49 -18.55 -26.64	47.28
08 14 16 00-0552	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.11 202.96 121.77 32.47 -20.92 -30.15	49.25
08 14 16 00-0553	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.65 213.11 127.87 34.10 -21.60 -31.16	49.25

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	409.70	49.25
		For Stave Lumber Core (SLC), Add	233.40	
		For Structural Composite Lumber Core (SCLC), Add	140.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.34	
		For >50 To 100, Deduct	-22.95	
		For >100, Deduct	-33.19	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.49	43.34
		For Stave Lumber Core (SLC), Add	162.60	
		For Structural Composite Lumber Core (SCLC), Add	97.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
		For >50 To 100, Deduct	-17.34	
		For >100, Deduct	-24.93	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.49	43.34
		For Stave Lumber Core (SLC), Add	162.60	
		For Structural Composite Lumber Core (SCLC), Add	97.56	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
		For >50 To 100, Deduct	-17.34	
		For >100, Deduct	-24.93	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.98	45.31
		For Stave Lumber Core (SLC), Add	172.02	
		For Structural Composite Lumber Core (SCLC), Add	103.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.52	
		For >50 To 100, Deduct	-18.26	
		For >100, Deduct	-26.26	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.52	45.31
		For Stave Lumber Core (SLC), Add	181.43	
		For Structural Composite Lumber Core (SCLC), Add	108.86	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.03	
		For >50 To 100, Deduct	-18.89	
		For >100, Deduct	-27.20	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	334.84	45.31
		For Stave Lumber Core (SLC), Add	183.17	
		For Structural Composite Lumber Core (SCLC), Add	109.90	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.31	
		For >50 To 100, Deduct	-19.01	
		For >100, Deduct	-27.38	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	341.15	47.28
		For Stave Lumber Core (SLC), Add	184.94	
		For Structural Composite Lumber Core (SCLC), Add	110.97	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.59	
		For >50 To 100, Deduct	-19.42	
		For >100, Deduct	-27.95	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	368.30	47.28
		For Stave Lumber Core (SLC), Add	205.31	
		For Structural Composite Lumber Core (SCLC), Add	123.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.85	
		For >50 To 100, Deduct	-20.78	
		For >100, Deduct	-29.99	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	421.86	49.25
		For Stave Lumber Core (SLC), Add	242.52	
		For Structural Composite Lumber Core (SCLC), Add	145.51	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.80	
		For >50 To 100, Deduct	-23.56	
		For >100, Deduct	-34.10	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	438.06	49.25
		For Stave Lumber Core (SLC), Add	254.67	
		For Structural Composite Lumber Core (SCLC), Add	152.80	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.75	
		For >50 To 100, Deduct	-24.37	
		For >100, Deduct	-35.32	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	470.38	49.25
		For Stave Lumber Core (SLC), Add	278.91	
		For Structural Composite Lumber Core (SCLC), Add	167.35	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.63	
		For >50 To 100, Deduct	-25.98	
		For >100, Deduct	-37.74	

08 14 16 00-0565 2-1/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0566 Birch Faced Wood Doors (08 14 16 00-0565)

08 14 16 00-0567	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	315.26	43.34
		For 7 Ply Cold Press Construction, Deduct	-4.57	
		For Stave Lumber Core (SLC), Add	80.00	
		For Commercial Grade 45 Minute Fire Rated Door, Add	27.43	
		For >10 To 50, Deduct	-15.76	
		For >50 To 100, Deduct	-17.93	
		For >100, Deduct	-25.81	
08 14 16 00-0568	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	315.26	43.34
		For 7 Ply Cold Press Construction, Deduct	-4.57	
		For Stave Lumber Core (SLC), Add	80.00	
		For Commercial Grade 45 Minute Fire Rated Door, Add	27.43	
		For >10 To 50, Deduct	-15.76	
		For >50 To 100, Deduct	-17.93	
		For >100, Deduct	-25.81	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 14 16 00-0569	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	331.15	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.81	
		<i>For Stave Lumber Core (SLC), Add</i>	84.19	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	28.86	
		<i>For >10 To 50, Deduct</i>	-16.56	
		<i>For >50 To 100, Deduct</i>	-18.82	
		<i>For >100, Deduct</i>	-27.10	
08 14 16 00-0570	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	341.16	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.01	
		<i>For Stave Lumber Core (SLC), Add</i>	87.69	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.06	
		<i>For >10 To 50, Deduct</i>	-17.06	
		<i>For >50 To 100, Deduct</i>	-19.32	
		<i>For >100, Deduct</i>	-27.85	
08 14 16 00-0571	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	347.87	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.15	
		<i>For Stave Lumber Core (SLC), Add</i>	90.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.87	
		<i>For >10 To 50, Deduct</i>	-17.39	
		<i>For >50 To 100, Deduct</i>	-19.66	
		<i>For >100, Deduct</i>	-28.36	
08 14 16 00-0572	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	358.45	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.28	
		<i>For Stave Lumber Core (SLC), Add</i>	92.36	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	31.67	
		<i>For >10 To 50, Deduct</i>	-17.92	
		<i>For >50 To 100, Deduct</i>	-20.29	
		<i>For >100, Deduct</i>	-29.25	
08 14 16 00-0573	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	387.48	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.86	
		<i>For Stave Lumber Core (SLC), Add</i>	102.52	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	35.15	
		<i>For >10 To 50, Deduct</i>	-19.37	
		<i>For >50 To 100, Deduct</i>	-21.74	
		<i>For >100, Deduct</i>	-31.43	
08 14 16 00-0574	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	454.13	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.11	
		<i>For Stave Lumber Core (SLC), Add</i>	124.47	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.68	
		<i>For >10 To 50, Deduct</i>	-22.71	
		<i>For >50 To 100, Deduct</i>	-25.17	
		<i>For >100, Deduct</i>	-36.52	
08 14 16 00-0575	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	471.93	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.47	
		<i>For Stave Lumber Core (SLC), Add</i>	130.70	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	44.81	
		<i>For >10 To 50, Deduct</i>	-23.60	
		<i>For >50 To 100, Deduct</i>	-26.06	
		<i>For >100, Deduct</i>	-37.86	
08 14 16 00-0576	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	515.35	53.19
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.18	
		<i>For Stave Lumber Core (SLC), Add</i>	143.14	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.08	
		<i>For >10 To 50, Deduct</i>	-25.77	
		<i>For >50 To 100, Deduct</i>	-28.43	
		<i>For >100, Deduct</i>	-41.31	
08 14 16 00-0577	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	328.56	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.84	
		<i>For Stave Lumber Core (SLC), Add</i>	84.65	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	29.02	
		<i>For >10 To 50, Deduct</i>	-16.43	
		<i>For >50 To 100, Deduct</i>	-18.60	
		<i>For >100, Deduct</i>	-26.81	
08 14 16 00-0578	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	328.56	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.84	
		<i>For Stave Lumber Core (SLC), Add</i>	84.65	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	29.02	
		<i>For >10 To 50, Deduct</i>	-16.43	
		<i>For >50 To 100, Deduct</i>	-18.60	
		<i>For >100, Deduct</i>	-26.81	
08 14 16 00-0579	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	345.13	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.09	
		<i>For Stave Lumber Core (SLC), Add</i>	89.08	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.54	
		<i>For >10 To 50, Deduct</i>	-17.26	
		<i>For >50 To 100, Deduct</i>	-19.52	
		<i>For >100, Deduct</i>	-28.15	
08 14 16 00-0580	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	355.75	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.30	
		<i>For Stave Lumber Core (SLC), Add</i>	92.80	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	31.82	
		<i>For >10 To 50, Deduct</i>	-17.79	
		<i>For >50 To 100, Deduct</i>	-20.05	
		<i>For >100, Deduct</i>	-28.95	
08 14 16 00-0581	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	362.83	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.44	
		<i>For Stave Lumber Core (SLC), Add</i>	95.27	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	32.67	
		<i>For >10 To 50, Deduct</i>	-18.14	
		<i>For >50 To 100, Deduct</i>	-20.41	
		<i>For >100, Deduct</i>	-29.48	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0582	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	373.81	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.59	
		<i>For Stave Lumber Core (SLC), Add</i>	97.74	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.51	
		<i>For >10 To 50, Deduct</i>	-18.69	
		<i>For >50 To 100, Deduct</i>	-21.05	
		<i>For >100, Deduct</i>	-30.40	
08 14 16 00-0583	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	404.52	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.20	
		<i>For Stave Lumber Core (SLC), Add</i>	108.49	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	37.20	
		<i>For >10 To 50, Deduct</i>	-20.23	
		<i>For >50 To 100, Deduct</i>	-22.59	
		<i>For >100, Deduct</i>	-32.70	
08 14 16 00-0584	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	474.83	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.53	
		<i>For Stave Lumber Core (SLC), Add</i>	131.72	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.16	
		<i>For >10 To 50, Deduct</i>	-23.74	
		<i>For >50 To 100, Deduct</i>	-26.20	
		<i>For >100, Deduct</i>	-38.07	
08 14 16 00-0585	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	493.66	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.90	
		<i>For Stave Lumber Core (SLC), Add</i>	138.31	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.42	
		<i>For >10 To 50, Deduct</i>	-24.68	
		<i>For >50 To 100, Deduct</i>	-27.15	
		<i>For >100, Deduct</i>	-39.49	
08 14 16 00-0586	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	539.16	53.19
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.66	
		<i>For Stave Lumber Core (SLC), Add</i>	151.47	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.93	
		<i>For >10 To 50, Deduct</i>	-26.96	
		<i>For >50 To 100, Deduct</i>	-29.62	
		<i>For >100, Deduct</i>	-43.10	
08 14 16 00-0587	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	376.95	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.81	
		<i>For Stave Lumber Core (SLC), Add</i>	101.59	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	34.83	
		<i>For >10 To 50, Deduct</i>	-18.85	
		<i>For >50 To 100, Deduct</i>	-21.01	
		<i>For >100, Deduct</i>	-30.44	
08 14 16 00-0588	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	376.95	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.81	
		<i>For Stave Lumber Core (SLC), Add</i>	101.59	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	34.83	
		<i>For >10 To 50, Deduct</i>	-18.85	
		<i>For >50 To 100, Deduct</i>	-21.01	
		<i>For >100, Deduct</i>	-30.44	
08 14 16 00-0589	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	396.05	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.11	
		<i>For Stave Lumber Core (SLC), Add</i>	106.90	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	36.65	
		<i>For >10 To 50, Deduct</i>	-19.80	
		<i>For >50 To 100, Deduct</i>	-22.07	
		<i>For >100, Deduct</i>	-31.97	
08 14 16 00-0590	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	408.77	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.36	
		<i>For Stave Lumber Core (SLC), Add</i>	111.35	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	38.18	
		<i>For >10 To 50, Deduct</i>	-20.44	
		<i>For >50 To 100, Deduct</i>	-22.70	
		<i>For >100, Deduct</i>	-32.92	
08 14 16 00-0591	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.28	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.53	
		<i>For Stave Lumber Core (SLC), Add</i>	114.33	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	39.20	
		<i>For >10 To 50, Deduct</i>	-20.86	
		<i>For >50 To 100, Deduct</i>	-23.13	
		<i>For >100, Deduct</i>	-33.56	
08 14 16 00-0592	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	429.64	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.70	
		<i>For Stave Lumber Core (SLC), Add</i>	117.28	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	40.21	
		<i>For >10 To 50, Deduct</i>	-21.48	
		<i>For >50 To 100, Deduct</i>	-23.85	
		<i>For >100, Deduct</i>	-34.59	
08 14 16 00-0593	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	466.52	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.44	
		<i>For Stave Lumber Core (SLC), Add</i>	130.19	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	44.64	
		<i>For >10 To 50, Deduct</i>	-23.33	
		<i>For >50 To 100, Deduct</i>	-25.69	
		<i>For >100, Deduct</i>	-37.35	
08 14 16 00-0594	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	550.11	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.03	
		<i>For Stave Lumber Core (SLC), Add</i>	158.06	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	54.19	
		<i>For >10 To 50, Deduct</i>	-27.51	
		<i>For >50 To 100, Deduct</i>	-29.97	
		<i>For >100, Deduct</i>	-43.72	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0595	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	572.71		49.25
		For 7 Ply Cold Press Construction, Deduct	-9.48		
		For Stave Lumber Core (SLC), Add	165.97		
		For Commercial Grade 45 Minute Fire Rated Door, Add	56.91		
		For >10 To 50, Deduct	-28.64		
		For >50 To 100, Deduct	-31.10		
		For >100, Deduct	-45.42		
08 14 16 00-0596	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	625.71		53.19
		For 7 Ply Cold Press Construction, Deduct	-10.39		
		For Stave Lumber Core (SLC), Add	181.77		
		For Commercial Grade 45 Minute Fire Rated Door, Add	62.32		
		For >10 To 50, Deduct	-31.29		
		For >50 To 100, Deduct	-33.95		
		For >100, Deduct	-49.59		
08 14 16 00-0597 Oak Faced Wood Doors (08 14 16 00-0565)					
08 14 16 00-0598	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	429.57		43.34
		For 7 Ply Cold Press Construction, Deduct	-6.86		
		For Stave Lumber Core (SLC), Add	120.01		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.15		
		For >10 To 50, Deduct	-21.48		
		For >50 To 100, Deduct	-23.65		
		For >100, Deduct	-34.39		
08 14 16 00-0599	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	429.57		43.34
		For 7 Ply Cold Press Construction, Deduct	-6.86		
		For Stave Lumber Core (SLC), Add	120.01		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.15		
		For >10 To 50, Deduct	-21.48		
		For >50 To 100, Deduct	-23.65		
		For >100, Deduct	-34.39		
08 14 16 00-0600	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	433.50		45.31
		For 7 Ply Cold Press Construction, Deduct	-6.86		
		For Stave Lumber Core (SLC), Add	120.01		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.15		
		For >10 To 50, Deduct	-21.68		
		For >50 To 100, Deduct	-23.94		
		For >100, Deduct	-34.78		
08 14 16 00-0601	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	437.06		45.31
		For 7 Ply Cold Press Construction, Deduct	-6.93		
		For Stave Lumber Core (SLC), Add	121.25		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.57		
		For >10 To 50, Deduct	-21.85		
		For >50 To 100, Deduct	-24.12		
		For >100, Deduct	-35.05		
08 14 16 00-0602	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	438.64		45.31
		For 7 Ply Cold Press Construction, Deduct	-6.96		
		For Stave Lumber Core (SLC), Add	121.81		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.76		
		For >10 To 50, Deduct	-21.93		
		For >50 To 100, Deduct	-24.20		
		For >100, Deduct	-35.16		
08 14 16 00-0603	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	444.16		47.28
		For 7 Ply Cold Press Construction, Deduct	-6.99		
		For Stave Lumber Core (SLC), Add	122.36		
		For Commercial Grade 45 Minute Fire Rated Door, Add	41.95		
		For >10 To 50, Deduct	-22.21		
		For >50 To 100, Deduct	-24.57		
		For >100, Deduct	-35.68		
08 14 16 00-0604	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.59		47.28
		For 7 Ply Cold Press Construction, Deduct	-7.76		
		For Stave Lumber Core (SLC), Add	135.81		
		For Commercial Grade 45 Minute Fire Rated Door, Add	46.56		
		For >10 To 50, Deduct	-24.13		
		For >50 To 100, Deduct	-26.49		
		For >100, Deduct	-38.56		
08 14 16 00-0605	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.40		49.25
		For 7 Ply Cold Press Construction, Deduct	-9.74		
		For Stave Lumber Core (SLC), Add	170.42		
		For Commercial Grade 45 Minute Fire Rated Door, Add	58.43		
		For >10 To 50, Deduct	-29.27		
		For >50 To 100, Deduct	-31.73		
		For >100, Deduct	-46.37		
08 14 16 00-0606	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	610.08		49.25
		For 7 Ply Cold Press Construction, Deduct	-10.23		
		For Stave Lumber Core (SLC), Add	179.05		
		For Commercial Grade 45 Minute Fire Rated Door, Add	61.39		
		For >10 To 50, Deduct	-30.50		
		For >50 To 100, Deduct	-32.97		
		For >100, Deduct	-48.22		
08 14 16 00-0607	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	666.32		53.19
		For 7 Ply Cold Press Construction, Deduct	-11.20		
		For Stave Lumber Core (SLC), Add	195.98		
		For Commercial Grade 45 Minute Fire Rated Door, Add	67.19		
		For >10 To 50, Deduct	-33.32		
		For >50 To 100, Deduct	-35.98		
		For >100, Deduct	-52.63		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0608	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	449.54	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.26	
		<i>For Stave Lumber Core (SLC), Add</i>	127.00	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.54	
		<i>For >10 To 50, Deduct</i>	-22.48	
		<i>For >50 To 100, Deduct</i>	-24.64	
		<i>For >100, Deduct</i>	-35.88	
08 14 16 00-0609	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	449.54	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.26	
		<i>For Stave Lumber Core (SLC), Add</i>	127.00	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.54	
		<i>For >10 To 50, Deduct</i>	-22.48	
		<i>For >50 To 100, Deduct</i>	-24.64	
		<i>For >100, Deduct</i>	-35.88	
08 14 16 00-0610	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	453.47	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.26	
		<i>For Stave Lumber Core (SLC), Add</i>	127.00	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.54	
		<i>For >10 To 50, Deduct</i>	-22.67	
		<i>For >50 To 100, Deduct</i>	-24.94	
		<i>For >100, Deduct</i>	-36.28	
08 14 16 00-0611	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	457.21	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
		<i>For Stave Lumber Core (SLC), Add</i>	128.31	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.99	
		<i>For >10 To 50, Deduct</i>	-22.86	
		<i>For >50 To 100, Deduct</i>	-25.13	
		<i>For >100, Deduct</i>	-36.56	
08 14 16 00-0612	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.89	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.37	
		<i>For Stave Lumber Core (SLC), Add</i>	128.89	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	44.19	
		<i>For >10 To 50, Deduct</i>	-22.94	
		<i>For >50 To 100, Deduct</i>	-25.21	
		<i>For >100, Deduct</i>	-36.68	
08 14 16 00-0613	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	464.52	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.40	
		<i>For Stave Lumber Core (SLC), Add</i>	129.49	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	44.40	
		<i>For >10 To 50, Deduct</i>	-23.23	
		<i>For >50 To 100, Deduct</i>	-25.59	
		<i>For >100, Deduct</i>	-37.20	
08 14 16 00-0614	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	505.16	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.21	
		<i>For Stave Lumber Core (SLC), Add</i>	143.71	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.27	
		<i>For >10 To 50, Deduct</i>	-25.26	
		<i>For >50 To 100, Deduct</i>	-27.62	
		<i>For >100, Deduct</i>	-40.25	
08 14 16 00-0615	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	613.74	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.30	
		<i>For Stave Lumber Core (SLC), Add</i>	180.33	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	61.83	
		<i>For >10 To 50, Deduct</i>	-30.69	
		<i>For >50 To 100, Deduct</i>	-33.15	
		<i>For >100, Deduct</i>	-48.49	
08 14 16 00-0616	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	639.85	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.83	
		<i>For Stave Lumber Core (SLC), Add</i>	189.47	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	64.96	
		<i>For >10 To 50, Deduct</i>	-31.99	
		<i>For >50 To 100, Deduct</i>	-34.46	
		<i>For >100, Deduct</i>	-50.45	
08 14 16 00-0617	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	698.90	53.19
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.85	
		<i>For Stave Lumber Core (SLC), Add</i>	207.38	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	71.10	
		<i>For >10 To 50, Deduct</i>	-34.95	
		<i>For >50 To 100, Deduct</i>	-37.60	
		<i>For >100, Deduct</i>	-55.08	
08 14 16 00-0618	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	522.10	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.11	
		<i>For >50 To 100, Deduct</i>	-28.27	
		<i>For >100, Deduct</i>	-41.32	
08 14 16 00-0619	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	522.10	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.11	
		<i>For >50 To 100, Deduct</i>	-28.27	
		<i>For >100, Deduct</i>	-41.32	
08 14 16 00-0620	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	526.03	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.30	
		<i>For >50 To 100, Deduct</i>	-28.57	
		<i>For >100, Deduct</i>	-41.72	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0621	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	530.53 -8.80 153.97 52.79 -26.53 -28.79 -42.06	45.31
08 14 16 00-0622	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	532.54 -8.84 154.67 53.03 -26.63 -28.89 -42.21	45.31
08 14 16 00-0623	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	538.50 -8.88 155.38 53.27 -26.93 -29.29 -42.75	47.28
08 14 16 00-0624	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	587.28 -9.85 172.45 59.13 -29.36 -31.73 -46.41	47.28
08 14 16 00-0625	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	716.78 -12.37 216.40 74.19 -35.84 -38.30 -56.22	49.25
08 14 16 00-0626	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	748.13 -12.99 227.37 77.96 -37.41 -39.87 -58.57	49.25
08 14 16 00-0627	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	817.40 -14.22 248.86 85.32 -40.87 -43.53 -63.96	53.19

08 14 16 00-0628 Maple Faced Wood Doors (08 14 16 00-0628)

08 14 16 00-0629	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	498.16 -8.23 144.01 49.38 -24.91 -27.08 -39.53	43.34
08 14 16 00-0630	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	498.16 -8.23 144.01 49.38 -24.91 -27.08 -39.53	43.34
08 14 16 00-0631	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	502.09 -8.23 144.01 49.38 -25.10 -27.37 -39.92	45.31
08 14 16 00-0632	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	506.35 -8.31 145.51 49.89 -25.32 -27.58 -40.24	45.31
08 14 16 00-0633	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	508.25 -8.35 146.17 50.12 -25.41 -27.68 -40.38	45.31

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0634	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	514.09	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.39	
		<i>For Stave Lumber Core (SLC), Add</i>	146.84	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.34	
		<i>For >10 To 50, Deduct</i>	-25.70	
		<i>For >50 To 100, Deduct</i>	-28.07	
		<i>For >100, Deduct</i>	-40.92	
08 14 16 00-0635	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	560.18	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.31	
		<i>For Stave Lumber Core (SLC), Add</i>	162.97	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	55.87	
		<i>For >10 To 50, Deduct</i>	-28.01	
		<i>For >50 To 100, Deduct</i>	-30.37	
		<i>For >100, Deduct</i>	-44.38	
08 14 16 00-0636	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	653.57	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.10	
		<i>For Stave Lumber Core (SLC), Add</i>	194.27	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	66.61	
		<i>For >10 To 50, Deduct</i>	-32.68	
		<i>For >50 To 100, Deduct</i>	-35.14	
		<i>For >100, Deduct</i>	-51.48	
08 14 16 00-0637	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	712.01	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.27	
		<i>For Stave Lumber Core (SLC), Add</i>	214.73	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	73.62	
		<i>For >10 To 50, Deduct</i>	-35.60	
		<i>For >50 To 100, Deduct</i>	-38.06	
		<i>For >100, Deduct</i>	-55.86	
08 14 16 00-0638	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	770.46	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.44	
		<i>For Stave Lumber Core (SLC), Add</i>	235.19	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	80.64	
		<i>For >10 To 50, Deduct</i>	-38.52	
		<i>For >50 To 100, Deduct</i>	-40.99	
		<i>For >100, Deduct</i>	-60.25	
08 14 16 00-0639	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	522.10	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.11	
		<i>For >50 To 100, Deduct</i>	-28.27	
		<i>For >100, Deduct</i>	-41.32	
08 14 16 00-0640	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	522.10	43.34
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.11	
		<i>For >50 To 100, Deduct</i>	-28.27	
		<i>For >100, Deduct</i>	-41.32	
08 14 16 00-0641	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	526.03	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.71	
		<i>For Stave Lumber Core (SLC), Add</i>	152.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.25	
		<i>For >10 To 50, Deduct</i>	-26.30	
		<i>For >50 To 100, Deduct</i>	-28.57	
		<i>For >100, Deduct</i>	-41.72	
08 14 16 00-0642	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.53	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.80	
		<i>For Stave Lumber Core (SLC), Add</i>	153.97	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.79	
		<i>For >10 To 50, Deduct</i>	-26.53	
		<i>For >50 To 100, Deduct</i>	-28.79	
		<i>For >100, Deduct</i>	-42.06	
08 14 16 00-0643	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	532.54	45.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.84	
		<i>For Stave Lumber Core (SLC), Add</i>	154.67	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	53.03	
		<i>For >10 To 50, Deduct</i>	-26.63	
		<i>For >50 To 100, Deduct</i>	-28.89	
		<i>For >100, Deduct</i>	-42.21	
08 14 16 00-0644	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	538.50	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.88	
		<i>For Stave Lumber Core (SLC), Add</i>	155.38	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	53.27	
		<i>For >10 To 50, Deduct</i>	-26.93	
		<i>For >50 To 100, Deduct</i>	-29.29	
		<i>For >100, Deduct</i>	-42.75	
08 14 16 00-0645	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	587.28	47.28
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.85	
		<i>For Stave Lumber Core (SLC), Add</i>	172.45	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.13	
		<i>For >10 To 50, Deduct</i>	-29.36	
		<i>For >50 To 100, Deduct</i>	-31.73	
		<i>For >100, Deduct</i>	-46.41	
08 14 16 00-0646	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	685.89	49.25
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.75	
		<i>For Stave Lumber Core (SLC), Add</i>	205.59	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	70.49	
		<i>For >10 To 50, Deduct</i>	-34.29	
		<i>For >50 To 100, Deduct</i>	-36.76	
		<i>For >100, Deduct</i>	-53.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0647	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	748.26	49.25
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.00	
			<i>For Stave Lumber Core (SLC), Add</i>	227.42	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	77.97	
			<i>For >10 To 50, Deduct</i>	-37.41	
			<i>For >50 To 100, Deduct</i>	-39.88	
			<i>For >100, Deduct</i>	-58.58	
08 14 16 00-0648	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	809.55	49.25
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.22	
			<i>For Stave Lumber Core (SLC), Add</i>	248.87	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	85.33	
			<i>For >10 To 50, Deduct</i>	-40.48	
			<i>For >50 To 100, Deduct</i>	-42.94	
			<i>For >100, Deduct</i>	-63.18	
08 14 16 00-0649	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	609.18	43.34
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.45	
			<i>For Stave Lumber Core (SLC), Add</i>	182.87	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	62.70	
			<i>For >10 To 50, Deduct</i>	-30.46	
			<i>For >50 To 100, Deduct</i>	-32.63	
			<i>For >100, Deduct</i>	-47.86	
08 14 16 00-0650	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	609.18	43.34
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.45	
			<i>For Stave Lumber Core (SLC), Add</i>	182.87	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	62.70	
			<i>For >10 To 50, Deduct</i>	-30.46	
			<i>For >50 To 100, Deduct</i>	-32.63	
			<i>For >100, Deduct</i>	-47.86	
08 14 16 00-0651	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	613.11	45.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.45	
			<i>For Stave Lumber Core (SLC), Add</i>	182.87	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	62.70	
			<i>For >10 To 50, Deduct</i>	-30.66	
			<i>For >50 To 100, Deduct</i>	-32.92	
			<i>For >100, Deduct</i>	-48.25	
08 14 16 00-0652	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	618.51	45.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.56	
			<i>For Stave Lumber Core (SLC), Add</i>	184.76	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.35	
			<i>For >10 To 50, Deduct</i>	-30.93	
			<i>For >50 To 100, Deduct</i>	-33.19	
			<i>For >100, Deduct</i>	-48.65	
08 14 16 00-0653	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	620.93	45.31
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.61	
			<i>For Stave Lumber Core (SLC), Add</i>	185.61	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.64	
			<i>For >10 To 50, Deduct</i>	-31.05	
			<i>For >50 To 100, Deduct</i>	-33.31	
			<i>For >100, Deduct</i>	-48.84	
08 14 16 00-0654	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	627.29	47.28
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.65	
			<i>For Stave Lumber Core (SLC), Add</i>	186.46	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.93	
			<i>For >10 To 50, Deduct</i>	-31.36	
			<i>For >50 To 100, Deduct</i>	-33.73	
			<i>For >100, Deduct</i>	-49.41	
08 14 16 00-0655	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	685.82	47.28
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.83	
			<i>For Stave Lumber Core (SLC), Add</i>	206.94	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	70.95	
			<i>For >10 To 50, Deduct</i>	-34.29	
			<i>For >50 To 100, Deduct</i>	-36.66	
			<i>For >100, Deduct</i>	-53.80	
08 14 16 00-0656	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	803.33	49.25
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.10	
			<i>For Stave Lumber Core (SLC), Add</i>	246.69	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	84.58	
			<i>For >10 To 50, Deduct</i>	-40.17	
			<i>For >50 To 100, Deduct</i>	-42.63	
			<i>For >100, Deduct</i>	-62.71	
08 14 16 00-0657	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	877.58	49.25
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-15.58	
			<i>For Stave Lumber Core (SLC), Add</i>	272.68	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	93.49	
			<i>For >10 To 50, Deduct</i>	-43.88	
			<i>For >50 To 100, Deduct</i>	-46.34	
			<i>For >100, Deduct</i>	-68.28	
08 14 16 00-0658	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	951.75	49.25
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-17.07	
			<i>For Stave Lumber Core (SLC), Add</i>	298.64	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	102.39	
			<i>For >10 To 50, Deduct</i>	-47.59	
			<i>For >50 To 100, Deduct</i>	-50.05	
			<i>For >100, Deduct</i>	-73.84	
08 14 16 00-0659			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0660	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	51.10	
			<i>Note: Includes any standard manufacturer color on six sides.</i>		
			<i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	17.02	
08 14 16 00-0661	SF		For Expanded Metal Lite Guard, Add	52.20	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 14 23 Clad Wood Doors (08 14)****08 14 23 13 Metal-Faced Wood Doors (08 14 23)**

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	568.46	96.93
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	606.44	106.38
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	650.38	117.42
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	680.06	121.35
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	726.25	133.57
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	789.41	137.91

08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)**08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative****Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	195.87	43.34
		For Structural Composite Lumber Core (SCLC), Add	49.13	
		For 5 Ply Construction, Add	3.82	
		For >50 To 100, Deduct	-11.96	
		For >100, Deduct	-16.86	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	195.87	43.34
		For Structural Composite Lumber Core (SCLC), Add	49.13	
		For 5 Ply Construction, Add	3.82	
		For >50 To 100, Deduct	-11.96	
		For >100, Deduct	-16.86	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	205.80	45.31
		For Structural Composite Lumber Core (SCLC), Add	51.83	
		For 5 Ply Construction, Add	4.03	
		For >50 To 100, Deduct	-12.56	
		For >100, Deduct	-17.70	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	211.81	45.31
		For Structural Composite Lumber Core (SCLC), Add	54.54	
		For 5 Ply Construction, Add	4.24	
		For >50 To 100, Deduct	-12.86	
		For >100, Deduct	-18.15	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	214.84	45.31
		For Structural Composite Lumber Core (SCLC), Add	55.90	
		For 5 Ply Construction, Add	4.35	
		For >50 To 100, Deduct	-13.01	
		For >100, Deduct	-18.38	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	221.79	47.28
		For Structural Composite Lumber Core (SCLC), Add	57.25	
		For 5 Ply Construction, Add	4.45	
		For >50 To 100, Deduct	-13.45	
		For >100, Deduct	-19.00	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	235.78	47.28
		For Structural Composite Lumber Core (SCLC), Add	63.55	
		For 5 Ply Construction, Add	4.94	
		For >50 To 100, Deduct	-14.15	
		For >100, Deduct	-20.05	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	248.76	49.25
		For Structural Composite Lumber Core (SCLC), Add	67.62	
		For 5 Ply Construction, Add	5.26	
		For >50 To 100, Deduct	-14.90	
		For >100, Deduct	-21.12	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	202.22	43.34
		For Structural Composite Lumber Core (SCLC), Add	51.99	
		For 5 Ply Construction, Add	4.04	
		For >50 To 100, Deduct	-12.28	
		For >100, Deduct	-17.33	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	202.22	43.34
		For Structural Composite Lumber Core (SCLC), Add	51.99	
		For 5 Ply Construction, Add	4.04	
		For >50 To 100, Deduct	-12.28	
		For >100, Deduct	-17.33	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	212.51	45.31
		For Structural Composite Lumber Core (SCLC), Add	54.85	
		For 5 Ply Construction, Add	4.27	
		For >50 To 100, Deduct	-12.89	
		For >100, Deduct	-18.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	218.86	45.31
			For Structural Composite Lumber Core (SCLC), Add	57.71	
			For 5 Ply Construction, Add	4.49	
			For >50 To 100, Deduct	-13.21	
			For >100, Deduct	-18.68	
08 14 23 16-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	222.06	45.31
			For Structural Composite Lumber Core (SCLC), Add	59.15	
			For 5 Ply Construction, Add	4.60	
			For >50 To 100, Deduct	-13.37	
			For >100, Deduct	-18.92	
08 14 23 16-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	229.20	47.28
			For Structural Composite Lumber Core (SCLC), Add	60.59	
			For 5 Ply Construction, Add	4.71	
			For >50 To 100, Deduct	-13.82	
			For >100, Deduct	-19.55	
08 14 23 16-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	244.00	47.28
			For Structural Composite Lumber Core (SCLC), Add	67.25	
			For 5 Ply Construction, Add	5.23	
			For >50 To 100, Deduct	-14.56	
			For >100, Deduct	-20.66	
08 14 23 16-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	257.50	49.25
			For Structural Composite Lumber Core (SCLC), Add	71.55	
			For 5 Ply Construction, Add	5.57	
			For >50 To 100, Deduct	-15.34	
			For >100, Deduct	-21.78	
08 14 23 16-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	224.75	43.34
			For Structural Composite Lumber Core (SCLC), Add	62.13	
			For 5 Ply Construction, Add	4.83	
			For >50 To 100, Deduct	-13.40	
			For >100, Deduct	-19.02	
08 14 23 16-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	224.75	43.34
			For Structural Composite Lumber Core (SCLC), Add	62.13	
			For 5 Ply Construction, Add	4.83	
			For >50 To 100, Deduct	-13.40	
			For >100, Deduct	-19.02	
08 14 23 16-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	236.28	45.31
			For Structural Composite Lumber Core (SCLC), Add	65.55	
			For 5 Ply Construction, Add	5.10	
			For >50 To 100, Deduct	-14.08	
			For >100, Deduct	-19.99	
08 14 23 16-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	243.87	45.31
			For Structural Composite Lumber Core (SCLC), Add	68.96	
			For 5 Ply Construction, Add	5.36	
			For >50 To 100, Deduct	-14.46	
			For >100, Deduct	-20.56	
08 14 23 16-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	247.70	45.31
			For Structural Composite Lumber Core (SCLC), Add	70.69	
			For 5 Ply Construction, Add	5.50	
			For >50 To 100, Deduct	-14.65	
			For >100, Deduct	-20.84	
08 14 23 16-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	255.45	47.28
			For Structural Composite Lumber Core (SCLC), Add	72.40	
			For 5 Ply Construction, Add	5.63	
			For >50 To 100, Deduct	-15.14	
			For >100, Deduct	-21.52	
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	273.14	47.28
			For Structural Composite Lumber Core (SCLC), Add	80.36	
			For 5 Ply Construction, Add	6.25	
			For >50 To 100, Deduct	-16.02	
			For >100, Deduct	-22.85	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	288.51	49.25
			For Structural Composite Lumber Core (SCLC), Add	85.50	
			For 5 Ply Construction, Add	6.65	
			For >50 To 100, Deduct	-16.89	
			For >100, Deduct	-24.10	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	272.70	43.34
		<i>For 5 Ply Construction, Add</i>	6.51	
		<i>For Stave Lumber Core (SLC), Add</i>	139.51	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.70	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.32	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.45	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.51	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	223.21	
		<i>For >50 To 100, Deduct</i>	-15.80	
		<i>For >100, Deduct</i>	-22.62	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	272.69	43.34
		<i>For 5 Ply Construction, Add</i>	6.51	
		<i>For Stave Lumber Core (SLC), Add</i>	139.50	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.70	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.32	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.44	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.50	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	223.20	
		<i>For >50 To 100, Deduct</i>	-15.80	
		<i>For >100, Deduct</i>	-22.62	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	282.44	45.31
		<i>For 5 Ply Construction, Add</i>	6.71	
		<i>For Stave Lumber Core (SLC), Add</i>	143.87	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.32	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.02	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.58	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.87	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.18	
		<i>For >50 To 100, Deduct</i>	-16.39	
		<i>For >100, Deduct</i>	-23.45	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	282.44	45.31
		<i>For 5 Ply Construction, Add</i>	6.71	
		<i>For Stave Lumber Core (SLC), Add</i>	143.87	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.32	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.02	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.58	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.87	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.18	
		<i>For >50 To 100, Deduct</i>	-16.39	
		<i>For >100, Deduct</i>	-23.45	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	293.96	45.31
		<i>For 5 Ply Construction, Add</i>	7.12	
		<i>For Stave Lumber Core (SLC), Add</i>	152.51	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.50	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.40	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.80	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.51	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	244.01	
		<i>For >50 To 100, Deduct</i>	-16.96	
		<i>For >100, Deduct</i>	-24.31	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	309.42	47.28
		<i>For 5 Ply Construction, Add</i>	7.52	
		<i>For Stave Lumber Core (SLC), Add</i>	161.15	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.69	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.78	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	116.02	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	161.15	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	257.83	
		<i>For >50 To 100, Deduct</i>	-17.84	
		<i>For >100, Deduct</i>	-25.57	
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	321.19	47.28
		<i>For 5 Ply Construction, Add</i>	7.93	
		<i>For Stave Lumber Core (SLC), Add</i>	169.97	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	101.98	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.20	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.38	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	169.97	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	271.96	
		<i>For >50 To 100, Deduct</i>	-18.42	
		<i>For >100, Deduct</i>	-26.45	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	331.01	49.25
		<i>For 5 Ply Construction, Add</i>	8.14	
		<i>For Stave Lumber Core (SLC), Add</i>	174.38	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.63	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.90	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	125.56	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.38	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	279.01	
		<i>For >50 To 100, Deduct</i>	-19.01	
		<i>For >100, Deduct</i>	-27.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 342.63		49.25
			For 5 Ply Construction, Add 8.54		
			For Stave Lumber Core (SLC), Add 183.10		
			For Structural Composite Lumber Core (SCLC), Add 109.86		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 29.30		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 131.83		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 183.10		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 292.96		
			For >50 To 100, Deduct -19.59		
			For >100, Deduct -28.16		
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 373.76		53.19
			For 5 Ply Construction, Add 9.36		
			For Stave Lumber Core (SLC), Add 200.54		
			For Structural Composite Lumber Core (SCLC), Add 120.32		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 32.09		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 144.39		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 200.54		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 320.86		
			For >50 To 100, Deduct -21.35		
			For >100, Deduct -30.69		
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 283.52		43.34
			For 5 Ply Construction, Add 6.89		
			For Stave Lumber Core (SLC), Add 147.62		
			For Structural Composite Lumber Core (SCLC), Add 88.57		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 23.62		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 106.29		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 147.62		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 236.20		
			For >50 To 100, Deduct -16.34		
			For >100, Deduct -23.43		
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 283.51		43.34
			For 5 Ply Construction, Add 6.89		
			For Stave Lumber Core (SLC), Add 147.62		
			For Structural Composite Lumber Core (SCLC), Add 88.57		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 23.62		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 106.28		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 147.62		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 236.18		
			For >50 To 100, Deduct -16.34		
			For >100, Deduct -23.43		
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 293.60		45.31
			For 5 Ply Construction, Add 7.10		
			For Stave Lumber Core (SLC), Add 152.24		
			For Structural Composite Lumber Core (SCLC), Add 91.34		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 24.36		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 109.61		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 152.24		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 243.58		
			For >50 To 100, Deduct -16.95		
			For >100, Deduct -24.29		
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 293.60		45.31
			For 5 Ply Construction, Add 7.10		
			For Stave Lumber Core (SLC), Add 152.24		
			For Structural Composite Lumber Core (SCLC), Add 91.34		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 24.36		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 109.61		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 152.24		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 243.58		
			For >50 To 100, Deduct -16.95		
			For >100, Deduct -24.29		
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 305.79		45.31
			For 5 Ply Construction, Add 7.53		
			For Stave Lumber Core (SLC), Add 161.38		
			For Structural Composite Lumber Core (SCLC), Add 96.83		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 25.82		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 116.19		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 161.38		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 258.20		
			For >50 To 100, Deduct -17.56		
			For >100, Deduct -25.20		
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door 321.93		47.28
			For 5 Ply Construction, Add 7.96		
			For Stave Lumber Core (SLC), Add 170.53		
			For Structural Composite Lumber Core (SCLC), Add 102.32		
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 27.28		
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 122.78		
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 170.53		
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 272.84		
			For >50 To 100, Deduct -18.46		
			For >100, Deduct -26.51		

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	334.38	47.28
			For 5 Ply Construction, Add	8.39	
			For Stave Lumber Core (SLC), Add	179.87	
			For Structural Composite Lumber Core (SCLC), Add	107.92	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.87	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	287.78	
			For >50 To 100, Deduct	-19.08	
			For >100, Deduct	-27.44	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	344.54	49.25
			For 5 Ply Construction, Add	8.61	
			For Stave Lumber Core (SLC), Add	184.53	
			For Structural Composite Lumber Core (SCLC), Add	110.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.25	
			For >50 To 100, Deduct	-19.69	
			For >100, Deduct	-28.30	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	356.84	49.25
			For 5 Ply Construction, Add	9.04	
			For Stave Lumber Core (SLC), Add	193.76	
			For Structural Composite Lumber Core (SCLC), Add	116.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.00	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	193.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	310.01	
			For >50 To 100, Deduct	-20.30	
			For >100, Deduct	-29.23	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	389.32	53.19
			For 5 Ply Construction, Add	9.90	
			For Stave Lumber Core (SLC), Add	212.21	
			For Structural Composite Lumber Core (SCLC), Add	127.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.95	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.79	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	212.21	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	339.53	
			For >50 To 100, Deduct	-22.13	
			For >100, Deduct	-31.86	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	321.91	43.34
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.42	
			For Structural Composite Lumber Core (SCLC), Add	105.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.02	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.26	
			For >50 To 100, Deduct	-18.26	
			For >100, Deduct	-26.31	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	321.90	43.34
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.41	
			For Structural Composite Lumber Core (SCLC), Add	105.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.41	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.25	
			For >50 To 100, Deduct	-18.26	
			For >100, Deduct	-26.31	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	333.19	45.31
			For 5 Ply Construction, Add	8.49	
			For Stave Lumber Core (SLC), Add	181.93	
			For Structural Composite Lumber Core (SCLC), Add	109.16	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.08	
			For >50 To 100, Deduct	-18.93	
			For >100, Deduct	-27.25	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	333.19	45.31
			For 5 Ply Construction, Add	8.49	
			For Stave Lumber Core (SLC), Add	181.93	
			For Structural Composite Lumber Core (SCLC), Add	109.16	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.99	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.08	
			For >50 To 100, Deduct	-18.93	
			For >100, Deduct	-27.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.75	45.31
		<i>For 5 Ply Construction, Add</i>	9.00	
		<i>For Stave Lumber Core (SLC), Add</i>	192.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.71	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.86	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.85	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.85	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	308.56	
		<i>For >50 To 100, Deduct</i>	-19.65	
		<i>For >100, Deduct</i>	-28.35	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	366.26	47.28
		<i>For 5 Ply Construction, Add</i>	9.51	
		<i>For Stave Lumber Core (SLC), Add</i>	203.78	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.27	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.60	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.72	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.78	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	326.04	
		<i>For >50 To 100, Deduct</i>	-20.68	
		<i>For >100, Deduct</i>	-29.83	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	381.14	47.28
		<i>For 5 Ply Construction, Add</i>	10.03	
		<i>For Stave Lumber Core (SLC), Add</i>	214.94	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	128.96	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.39	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.75	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	214.94	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	343.90	
		<i>For >50 To 100, Deduct</i>	-21.42	
		<i>For >100, Deduct</i>	-30.95	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	392.52	49.25
		<i>For 5 Ply Construction, Add</i>	10.29	
		<i>For Stave Lumber Core (SLC), Add</i>	220.52	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	132.31	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.28	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.77	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	220.52	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	352.82	
		<i>For >50 To 100, Deduct</i>	-22.09	
		<i>For >100, Deduct</i>	-31.90	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	407.21	49.25
		<i>For 5 Ply Construction, Add</i>	10.80	
		<i>For Stave Lumber Core (SLC), Add</i>	231.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	138.92	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.05	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.70	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	231.53	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	370.45	
		<i>For >50 To 100, Deduct</i>	-22.82	
		<i>For >100, Deduct</i>	-33.00	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	444.50	53.19
		<i>For 5 Ply Construction, Add</i>	11.83	
		<i>For Stave Lumber Core (SLC), Add</i>	253.59	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.15	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.57	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	182.58	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	253.59	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	405.74	
		<i>For >50 To 100, Deduct</i>	-24.88	
		<i>For >100, Deduct</i>	-36.00	

08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)

08 14 23 19-0001	EA	1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors		
		<i>For >50 To 100, Deduct</i>	-11.39	
		<i>For >100, Deduct</i>	-16.01	
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	184.54	43.34
		<i>For >50 To 100, Deduct</i>	-11.39	
		<i>For >100, Deduct</i>	-16.01	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	184.54	43.34
		<i>For >50 To 100, Deduct</i>	-11.39	
		<i>For >100, Deduct</i>	-16.01	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	195.61	45.31
		<i>For >50 To 100, Deduct</i>	-12.05	
		<i>For >100, Deduct</i>	-16.94	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	199.00	45.31
		<i>For >50 To 100, Deduct</i>	-12.22	
		<i>For >100, Deduct</i>	-17.19	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	202.38	45.31
		<i>For >50 To 100, Deduct</i>	-12.38	
		<i>For >100, Deduct</i>	-17.44	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	209.71	47.28
		<i>For >50 To 100, Deduct</i>	-12.85	
		<i>For >100, Deduct</i>	-18.09	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	222.36	47.28
		<i>For >50 To 100, Deduct</i>	-13.48	
		<i>For >100, Deduct</i>	-19.04	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	234.49	49.25
		<i>For >50 To 100, Deduct</i>	-14.19	
		<i>For >100, Deduct</i>	-20.05	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	190.23	43.34
		<i>For >50 To 100, Deduct</i>	-11.68	
		<i>For >100, Deduct</i>	-16.43	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	190.23	43.34
		<i>For >50 To 100, Deduct</i>	-11.68	
		<i>For >100, Deduct</i>	-16.43	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	201.72	45.31
		<i>For >50 To 100, Deduct</i>	-12.35	
		<i>For >100, Deduct</i>	-17.39	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	205.30	45.31
		<i>For >50 To 100, Deduct</i>	-12.53	
		<i>For >100, Deduct</i>	-17.66	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	208.88	45.31
		<i>For >50 To 100, Deduct</i>	-12.71	
		<i>For >100, Deduct</i>	-17.93	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	216.40	47.28
		<i>For >50 To 100, Deduct</i>	-13.18	
		<i>For >100, Deduct</i>	-18.59	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	229.78	47.28
		<i>For >50 To 100, Deduct</i>	-13.85	
		<i>For >100, Deduct</i>	-19.60	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	242.39	49.25
		<i>For >50 To 100, Deduct</i>	-14.58	
		<i>For >100, Deduct</i>	-20.64	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	210.43	43.34
		<i>For >50 To 100, Deduct</i>	-12.69	
		<i>For >100, Deduct</i>	-17.95	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	210.43	43.34
		<i>For >50 To 100, Deduct</i>	-12.69	
		<i>For >100, Deduct</i>	-17.95	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	223.39	45.31
		<i>For >50 To 100, Deduct</i>	-13.44	
		<i>For >100, Deduct</i>	-19.02	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	227.66	45.31
		<i>For >50 To 100, Deduct</i>	-13.65	
		<i>For >100, Deduct</i>	-19.34	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	231.96	45.31
		<i>For >50 To 100, Deduct</i>	-13.86	
		<i>For >100, Deduct</i>	-19.66	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	240.16	47.28
		<i>For >50 To 100, Deduct</i>	-14.37	
		<i>For >100, Deduct</i>	-20.38	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	256.15	47.28
		<i>For >50 To 100, Deduct</i>	-15.17	
		<i>For >100, Deduct</i>	-21.58	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.44	49.25
		<i>For >50 To 100, Deduct</i>	-15.98	
		<i>For >100, Deduct</i>	-22.75	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	208.61	43.34
		<i>For >50 To 100, Deduct</i>	-12.60	
		<i>For >100, Deduct</i>	-17.81	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	208.61	43.34
		<i>For >50 To 100, Deduct</i>	-12.60	
		<i>For >100, Deduct</i>	-17.81	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	215.91	45.31
		<i>For >50 To 100, Deduct</i>	-13.06	
		<i>For >100, Deduct</i>	-18.46	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	222.71	45.31
		<i>For >50 To 100, Deduct</i>	-13.40	
		<i>For >100, Deduct</i>	-18.97	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	226.11	45.31
		<i>For >50 To 100, Deduct</i>	-13.57	
		<i>For >100, Deduct</i>	-19.22	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	233.39	47.28
		<i>For >50 To 100, Deduct</i>	-14.03	
		<i>For >100, Deduct</i>	-19.87	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	241.14	47.28
		<i>For >50 To 100, Deduct</i>	-14.42	
		<i>For >100, Deduct</i>	-20.45	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.26	49.25
		<i>For >50 To 100, Deduct</i>	-15.98	
		<i>For >100, Deduct</i>	-22.73	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.84	49.25
		<i>For >50 To 100, Deduct</i>	-16.40	
		<i>For >100, Deduct</i>	-23.38	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.04	49.25
		<i>For >50 To 100, Deduct</i>	-17.26	
		<i>For >100, Deduct</i>	-24.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door215.70 <i>For >50 To 100, Deduct</i> -12.95 <i>For >100, Deduct</i> -18.34		43.34
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....215.70 <i>For >50 To 100, Deduct</i> -12.95 <i>For >100, Deduct</i> -18.34		43.34
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....223.21 <i>For >50 To 100, Deduct</i> -13.43 <i>For >100, Deduct</i> -19.01		45.31
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....230.40 <i>For >50 To 100, Deduct</i> -13.79 <i>For >100, Deduct</i> -19.55		45.31
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....233.98 <i>For >50 To 100, Deduct</i> -13.96 <i>For >100, Deduct</i> -19.81		45.31
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....241.48 <i>For >50 To 100, Deduct</i> -14.44 <i>For >100, Deduct</i> -20.48		47.28
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....249.67 <i>For >50 To 100, Deduct</i> -14.85 <i>For >100, Deduct</i> -21.09		47.28
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....280.27 <i>For >50 To 100, Deduct</i> -16.48 <i>For >100, Deduct</i> -23.48		49.25
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....289.35 <i>For >50 To 100, Deduct</i> -16.93 <i>For >100, Deduct</i> -24.16		49.25
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....307.53 <i>For >50 To 100, Deduct</i> -17.84 <i>For >100, Deduct</i> -25.53		49.25
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....240.85 <i>For >50 To 100, Deduct</i> -14.21 <i>For >100, Deduct</i> -20.23		43.34
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....240.85 <i>For >50 To 100, Deduct</i> -14.21 <i>For >100, Deduct</i> -20.23		43.34
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....249.08 <i>For >50 To 100, Deduct</i> -14.72 <i>For >100, Deduct</i> -20.95		45.31
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....257.66 <i>For >50 To 100, Deduct</i> -15.15 <i>For >100, Deduct</i> -21.59		45.31
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....261.93 <i>For >50 To 100, Deduct</i> -15.36 <i>For >100, Deduct</i> -21.91		45.31
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....270.14 <i>For >50 To 100, Deduct</i> -15.87 <i>For >100, Deduct</i> -22.62		47.28
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....279.91 <i>For >50 To 100, Deduct</i> -16.36 <i>For >100, Deduct</i> -23.36		47.28
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....315.72 <i>For >50 To 100, Deduct</i> -18.25 <i>For >100, Deduct</i> -26.14		49.25
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....326.57 <i>For >50 To 100, Deduct</i> -18.79 <i>For >100, Deduct</i> -26.96		49.25
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4"	Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....348.30 <i>For >50 To 100, Deduct</i> -19.88 <i>For >100, Deduct</i> -28.59		49.25

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8"	Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....223.13 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 16.37 <i>For >50 To 100, Deduct</i> -13.32 <i>For >100, Deduct</i> -18.90		43.34
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8"	Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....223.13 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 16.37 <i>For >50 To 100, Deduct</i> -13.32 <i>For >100, Deduct</i> -18.90		43.34
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8"	Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....234.98 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 17.32 <i>For >50 To 100, Deduct</i> -14.01 <i>For >100, Deduct</i> -19.89		45.31
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8"	Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....242.89 <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> 18.27 <i>For >50 To 100, Deduct</i> -14.41 <i>For >100, Deduct</i> -20.48		45.31

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	244.33 18.45 -14.48 -20.59	45.31
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	249.75 18.62 -14.85 -21.10	47.28
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	266.87 20.68 -15.71 -22.38	47.28
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	302.02 24.42 -17.56 -25.11	49.25
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	231.08 17.33 -13.72 -19.50	43.34
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	231.08 17.33 -13.72 -19.50	43.34
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	243.39 18.33 -14.44 -20.52	45.31
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	251.74 19.33 -14.85 -21.15	45.31
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	253.29 19.52 -14.93 -21.26	45.31
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	258.78 19.71 -15.30 -21.77	47.28
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	276.90 21.88 -16.21 -23.13	47.28
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	313.87 25.84 -18.16 -26.00	49.25
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	259.24 20.71 -15.13 -21.61	43.34
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	259.24 20.71 -15.13 -21.61	43.34
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	273.18 21.91 -15.92 -22.75	45.31
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	283.16 23.10 -16.42 -23.50	45.31
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	285.00 23.33 -16.52 -23.64	45.31
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	290.81 23.55 -16.90 -24.17	47.28

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		312.46	47.28
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.15	
		For >50 To 100, Deduct		-17.99	
		For >100, Deduct		-25.80	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		355.88	49.25
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		30.89	
		For >50 To 100, Deduct		-20.26	
		For >100, Deduct		-29.15	
08 14 23 19-0082		1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		258.13	43.34
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		20.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		92.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		128.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		205.73	
		For >50 To 100, Deduct		-15.07	
		For >100, Deduct		-21.53	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		258.13	43.34
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		20.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		92.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		128.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		205.73	
		For >50 To 100, Deduct		-15.07	
		For >100, Deduct		-21.53	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		271.99	45.31
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		21.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		97.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		136.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		217.64	
		For >50 To 100, Deduct		-15.87	
		For >100, Deduct		-22.66	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		281.89	45.31
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.95	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		103.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		143.45	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		229.52	
		For >50 To 100, Deduct		-16.36	
		For >100, Deduct		-23.41	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		283.74	45.31
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.17	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		104.28	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		144.84	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		231.74	
		For >50 To 100, Deduct		-16.45	
		For >100, Deduct		-23.55	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		289.55	47.28
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		105.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		146.24	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		233.99	
		For >50 To 100, Deduct		-16.84	
		For >100, Deduct		-24.08	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		311.04	47.28
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		25.98	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		116.90	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		162.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		259.78	
		For >50 To 100, Deduct		-17.92	
		For >100, Deduct		-25.69	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		354.23	49.25
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		30.69	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		138.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		191.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		306.88	
		For >50 To 100, Deduct		-20.17	
		For >100, Deduct		-29.03	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door		367.03	49.25
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		32.22	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		145.01	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		201.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		322.24	
		For >50 To 100, Deduct		-20.81	
		For >100, Deduct		-29.99	

08 Openings

08 10 Doors and Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....392.57	392.57	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.29	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.80	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.55	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	352.88	
			For >50 To 100, Deduct	-22.09	
			For >100, Deduct	-31.91	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....268.11	268.11	43.34
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.77	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.97	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	136.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	217.70	
			For >50 To 100, Deduct	-15.57	
			For >100, Deduct	-22.28	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....268.11	268.11	43.34
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.77	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.97	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	136.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	217.70	
			For >50 To 100, Deduct	-15.57	
			For >100, Deduct	-22.28	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....282.55	282.55	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.64	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	230.32	
			For >50 To 100, Deduct	-16.39	
			For >100, Deduct	-23.46	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....293.04	293.04	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.29	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.31	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	242.90	
			For >50 To 100, Deduct	-16.92	
			For >100, Deduct	-24.24	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....294.98	294.98	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.23	
			For >50 To 100, Deduct	-17.01	
			For >100, Deduct	-24.39	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....300.90	300.90	47.28
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.76	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.42	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	154.76	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	247.61	
			For >50 To 100, Deduct	-17.41	
			For >100, Deduct	-24.93	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....323.63	323.63	47.28
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.49	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	123.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	171.80	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	274.88	
			For >50 To 100, Deduct	-18.55	
			For >100, Deduct	-26.64	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....369.11	369.11	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	146.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	202.96	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	324.73	
			For >50 To 100, Deduct	-20.92	
			For >100, Deduct	-30.15	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....382.65	382.65	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.44	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	213.11	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	340.98	
			For >50 To 100, Deduct	-21.60	
			For >100, Deduct	-31.16	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....409.70	409.70	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.34	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.40	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.44	
			For >50 To 100, Deduct	-22.95	
			For >100, Deduct	-33.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.49	43.34
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.16	
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-24.93	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.49	43.34
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.02	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	162.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	260.16	
			For >50 To 100, Deduct	-17.34	
			For >100, Deduct	-24.93	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	319.98	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	123.85	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	172.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	275.23	
			For >50 To 100, Deduct	-18.26	
			For >100, Deduct	-26.26	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	332.52	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.63	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	290.28	
			For >50 To 100, Deduct	-18.89	
			For >100, Deduct	-27.20	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	334.84	45.31
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.31	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	131.88	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.17	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.06	
			For >50 To 100, Deduct	-19.01	
			For >100, Deduct	-27.38	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.15	47.28
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	133.16	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	295.91	
			For >50 To 100, Deduct	-19.42	
			For >100, Deduct	-27.95	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	368.30	47.28
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.85	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	147.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	328.49	
			For >50 To 100, Deduct	-20.78	
			For >100, Deduct	-29.99	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	421.86	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.80	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.52	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	388.03	
			For >50 To 100, Deduct	-23.56	
			For >100, Deduct	-34.10	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	438.06	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	183.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	254.67	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	407.47	
			For >50 To 100, Deduct	-24.37	
			For >100, Deduct	-35.32	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	470.38	49.25
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	446.26	
			For >50 To 100, Deduct	-25.98	
			For >100, Deduct	-37.74	

08 14 73 Sliding Wood Doors (08 14)

08 14 73 00-0001 Sliding Pocket Door (08 14 73)
 Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door (08 14 73 00-0001)
 Note: Includes door, frame and trim, and all mounting and door hardware.

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0003			1-3/8" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004			6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0003)</small>		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	489.74	27.58
			For Oak, Add	119.95	
			For Ash/Hickory, Add	174.71	
			For Walnut, Add	254.67	
			For Cherry, Add	414.16	
08 14 73 00-0006	EA		2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	504.22	29.55
			For Oak, Add	122.86	
			For Ash/Hickory, Add	178.94	
			For Walnut, Add	260.85	
			For Cherry, Add	424.21	
08 14 73 00-0007	EA		2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	521.32	31.52
			For Oak, Add	126.49	
			For Ash/Hickory, Add	184.24	
			For Walnut, Add	268.56	
			For Cherry, Add	436.76	
08 14 73 00-0008	EA		2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	533.16	33.49
			For Oak, Add	128.67	
			For Ash/Hickory, Add	187.41	
			For Walnut, Add	273.19	
			For Cherry, Add	444.29	
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	550.28	35.47
			For Oak, Add	132.31	
			For Ash/Hickory, Add	192.71	
			For Walnut, Add	280.91	
			For Cherry, Add	456.84	
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	564.76	37.44
			For Oak, Add	135.22	
			For Ash/Hickory, Add	196.94	
			For Walnut, Add	287.09	
			For Cherry, Add	466.88	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	967.69	49.25
			For Oak, Add	239.90	
			For Ash/Hickory, Add	349.41	
			For Walnut, Add	509.35	
			For Cherry, Add	828.34	
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,022.98	53.19
			For Oak, Add	252.98	
			For Ash/Hickory, Add	368.47	
			For Walnut, Add	537.13	
			For Cherry, Add	873.52	
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,094.08	57.13
			For Oak, Add	270.43	
			For Ash/Hickory, Add	393.88	
			For Walnut, Add	574.17	
			For Cherry, Add	933.76	
08 14 73 00-0014			7' High, 1-3/8" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0003)</small>		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	581.93	27.58
			For Oak, Add	123.27	
			For Ash/Hickory, Add	123.27	
			For Walnut, Add	202.81	
			For Cherry, Add	380.86	
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	609.58	29.55
			For Oak, Add	128.81	
			For Ash/Hickory, Add	128.81	
			For Walnut, Add	211.94	
			For Cherry, Add	398.00	
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	629.31	31.52
			For Oak, Add	132.51	
			For Ash/Hickory, Add	132.51	
			For Walnut, Add	218.02	
			For Cherry, Add	409.43	
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	646.42	33.49
			For Oak, Add	135.59	
			For Ash/Hickory, Add	135.59	
			For Walnut, Add	223.09	
			For Cherry, Add	418.95	
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	660.90	35.47
			For Oak, Add	138.06	
			For Ash/Hickory, Add	138.06	
			For Walnut, Add	227.15	
			For Cherry, Add	426.56	
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	680.65	37.44
			For Oak, Add	141.76	
			For Ash/Hickory, Add	141.76	
			For Walnut, Add	233.23	
			For Cherry, Add	437.99	
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,152.06	49.25
			For Oak, Add	246.53	
			For Ash/Hickory, Add	246.53	
			For Walnut, Add	405.62	
			For Cherry, Add	761.72	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 73 00-0022	EA 5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,238.96		53.19
	For Oak, Add	265.02		
	For Ash/Hickory, Add	265.02		
	For Walnut, Add	436.04		
	For Cherry, Add	818.86		
08 14 73 00-0023	EA 6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,325.86		57.13
	For Oak, Add	283.51		
	For Ash/Hickory, Add	283.51		
	For Walnut, Add	466.46		
	For Cherry, Add	875.98		
08 14 73 00-0024	1-3/4" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)			
	See CSI section 08 14 73 00-0055 for all jambs and track hardware.			
08 14 73 00-0025	6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)			
08 14 73 00-0026	EA 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	739.96		27.58
	For Oak, Add	160.25		
	For Ash/Hickory, Add	160.25		
	For Walnut, Add	263.65		
	For Cherry, Add	495.12		
08 14 73 00-0027	EA 2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	775.51		29.55
	For Oak, Add	167.64		
	For Ash/Hickory, Add	167.64		
	For Walnut, Add	275.82		
	For Cherry, Add	517.97		
08 14 73 00-0028	EA 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	795.24		31.52
	For Oak, Add	171.34		
	For Ash/Hickory, Add	171.34		
	For Walnut, Add	281.90		
	For Cherry, Add	529.40		
08 14 73 00-0029	EA 2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	817.62		33.49
	For Oak, Add	175.65		
	For Ash/Hickory, Add	175.65		
	For Walnut, Add	289.00		
	For Cherry, Add	542.73		
08 14 73 00-0030	EA 2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	837.37		35.47
	For Oak, Add	179.35		
	For Ash/Hickory, Add	179.35		
	For Walnut, Add	295.09		
	For Cherry, Add	554.15		
08 14 73 00-0031	EA 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	857.12		37.44
	For Oak, Add	183.05		
	For Ash/Hickory, Add	183.05		
	For Walnut, Add	301.17		
	For Cherry, Add	565.58		
08 14 73 00-0032	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,468.13		49.25
	For Oak, Add	320.49		
	For Ash/Hickory, Add	320.49		
	For Walnut, Add	527.31		
	For Cherry, Add	990.24		
08 14 73 00-0033	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,570.83		53.19
	For Oak, Add	342.68		
	For Ash/Hickory, Add	342.68		
	For Walnut, Add	563.81		
	For Cherry, Add	1,058.80		
08 14 73 00-0034	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,678.81		57.13
	For Oak, Add	366.10		
	For Ash/Hickory, Add	366.10		
	For Walnut, Add	602.35		
	For Cherry, Add	1,131.16		
08 14 73 00-0035	7' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)			
08 14 73 00-0036	EA 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	792.64		27.58
	For Oak, Add	172.57		
	For Ash/Hickory, Add	172.57		
	For Walnut, Add	283.93		
	For Cherry, Add	533.21		
08 14 73 00-0037	EA 2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	833.46		29.55
	For Oak, Add	181.20		
	For Ash/Hickory, Add	181.20		
	For Walnut, Add	298.13		
	For Cherry, Add	559.87		
08 14 73 00-0038	EA 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	855.82		31.52
	For Oak, Add	185.52		
	For Ash/Hickory, Add	185.52		
	For Walnut, Add	305.23		
	For Cherry, Add	573.19		
08 14 73 00-0039	EA 2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	878.20		33.49
	For Oak, Add	189.83		
	For Ash/Hickory, Add	189.83		
	For Walnut, Add	312.33		
	For Cherry, Add	586.53		
08 14 73 00-0040	EA 2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	897.95		35.47
	For Oak, Add	193.53		
	For Ash/Hickory, Add	193.53		
	For Walnut, Add	318.41		
	For Cherry, Add	597.95		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	920.33	37.44
		<i>For Oak, Add</i>	197.84	
		<i>For Ash/Hickory, Add</i>	197.84	
		<i>For Walnut, Add</i>	325.51	
		<i>For Cherry, Add</i>	611.28	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,573.48	49.25
		<i>For Oak, Add</i>	345.15	
		<i>For Ash/Hickory, Add</i>	345.15	
		<i>For Walnut, Add</i>	567.87	
		<i>For Cherry, Add</i>	1,066.41	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,691.99	53.19
		<i>For Oak, Add</i>	371.03	
		<i>For Ash/Hickory, Add</i>	371.03	
		<i>For Walnut, Add</i>	610.46	
		<i>For Cherry, Add</i>	1,146.40	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,805.23	57.13
		<i>For Oak, Add</i>	395.68	
		<i>For Ash/Hickory, Add</i>	395.68	
		<i>For Walnut, Add</i>	651.02	
		<i>For Cherry, Add</i>	1,222.56	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	845.32	27.58
		<i>For Oak, Add</i>	184.90	
		<i>For Ash/Hickory, Add</i>	184.90	
		<i>For Walnut, Add</i>	304.22	
		<i>For Cherry, Add</i>	571.29	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	886.13	29.55
		<i>For Oak, Add</i>	193.53	
		<i>For Ash/Hickory, Add</i>	193.53	
		<i>For Walnut, Add</i>	318.41	
		<i>For Cherry, Add</i>	597.95	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	911.14	31.52
		<i>For Oak, Add</i>	198.46	
		<i>For Ash/Hickory, Add</i>	198.46	
		<i>For Walnut, Add</i>	326.53	
		<i>For Cherry, Add</i>	613.19	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	936.15	33.49
		<i>For Oak, Add</i>	203.39	
		<i>For Ash/Hickory, Add</i>	203.39	
		<i>For Walnut, Add</i>	334.64	
		<i>For Cherry, Add</i>	628.42	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	955.90	35.47
		<i>For Oak, Add</i>	207.09	
		<i>For Ash/Hickory, Add</i>	207.09	
		<i>For Walnut, Add</i>	340.72	
		<i>For Cherry, Add</i>	639.85	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	980.91	37.44
		<i>For Oak, Add</i>	212.02	
		<i>For Ash/Hickory, Add</i>	212.02	
		<i>For Walnut, Add</i>	348.83	
		<i>For Cherry, Add</i>	655.08	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,678.84	49.25
		<i>For Oak, Add</i>	369.80	
		<i>For Ash/Hickory, Add</i>	369.80	
		<i>For Walnut, Add</i>	608.43	
		<i>For Cherry, Add</i>	1,142.59	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,802.61	53.19
		<i>For Oak, Add</i>	396.92	
		<i>For Ash/Hickory, Add</i>	396.92	
		<i>For Walnut, Add</i>	653.05	
		<i>For Cherry, Add</i>	1,226.37	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,926.39	57.13
		<i>For Oak, Add</i>	424.04	
		<i>For Ash/Hickory, Add</i>	424.04	
		<i>For Walnut, Add</i>	697.67	
		<i>For Cherry, Add</i>	1,310.16	

08 14 73 00-0055 Accessories (08 14 73 00-0001)**08 14 73 00-0056 Jamb Replacement** (08 14 73 00-0055)

08 14 73 00-0057	EA	4-9/16" Or 4-3/4" Birch Jamb Replacement For Pocket Doors.....	154.26	
		<i>For Oak, Add</i>	12.98	
		<i>For Ash/Hickory, Add</i>	20.33	
		<i>For Walnut, Add</i>	44.45	
		<i>For Cherry, Add</i>	70.41	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors.....	157.96	
		<i>For Oak, Add</i>	13.40	
		<i>For Ash/Hickory, Add</i>	20.99	
		<i>For Walnut, Add</i>	45.88	
		<i>For Cherry, Add</i>	72.68	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors.....	182.04	
		<i>For Oak, Add</i>	16.12	
		<i>For Ash/Hickory, Add</i>	25.25	
		<i>For Walnut, Add</i>	55.20	
		<i>For Cherry, Add</i>	87.44	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 73 00-0060	Track And Hardware Replacement Kits <small>(08 14 73 00-0055)</small> Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	282.76	
08 14 73 00-0062	EA 2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	285.55	
08 14 73 00-0063	EA 3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	291.14	
08 14 73 00-0064	EA Up To 2'-6" x 7" Door Track And Hardware Replacement For Pocket Door	344.26	
08 14 73 00-0065	EA 2'-8" x 7" Door Track And Hardware Replacement For Pocket Door	347.06	
08 14 73 00-0066	EA 3'-0" x 7" Door Track And Hardware Replacement For Pocket Door	352.65	
08 14 73 00-0067	EA Up To 2'-6" x 8" Door Track And Hardware	372.22	
08 14 73 00-0068	EA 2'-8" x 8" Door Track And Hardware Replacement For Pocket Door	375.01	
08 14 73 00-0069	EA 3'-0" x 8" Door Track And Hardware Replacement For Pocket Door	380.60	
08 14 73 00-0070	EA Double Door Converging Kit For Pocket Door	39.79	

08 14 73 00-0071	Bi-Pass Doors <small>(08 14 73)</small> Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
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08 14 73 00-0072	Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0073	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	309.40	63.01
08 14 73 00-0074	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	340.20	66.94
08 14 73 00-0075	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	371.37	70.88
08 14 73 00-0076	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	512.79	74.82

08 14 73 00-0077	Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0078	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	288.15	63.01
08 14 73 00-0079	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	307.08	66.94
08 14 73 00-0080	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	334.92	70.88
08 14 73 00-0081	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	470.30	74.82

08 14 73 00-0082	Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0083	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	326.40	63.01
08 14 73 00-0084	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	360.94	66.94
08 14 73 00-0085	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	396.07	70.88
08 14 73 00-0086	EA 8' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	546.79	74.82

08 14 73 00-0087	Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0088	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	562.16	63.01
08 14 73 00-0089	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	619.36	66.94
08 14 73 00-0090	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	709.52	70.88
08 14 73 00-0091	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	1,018.31	74.82

08 14 73 00-0092	Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0093	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	783.61	63.01
08 14 73 00-0094	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	824.41	66.94
08 14 73 00-0095	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	892.70	70.88
08 14 73 00-0096	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	1,461.23	74.82

08 14 73 00-0097	Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0098	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	309.99	63.01
08 14 73 00-0099	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	338.72	66.94
08 14 73 00-0100	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	368.92	70.88
08 14 73 00-0101	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	513.98	74.82

08 14 76 Bifolding Wood Doors (08 14)

08 14 76 00-0001	Bi-Fold Wood Doors <small>(08 14 76)</small> Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
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08 14 76 00-0002	Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0003	EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors	146.50	47.25
08 14 76 00-0004	EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors	154.37	51.19
08 14 76 00-0005	EA 2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors	165.73	55.13
08 14 76 00-0006	EA 3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors	173.60	59.06
08 14 76 00-0007	EA 4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	225.80	63.01
08 14 76 00-0008	EA 5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	233.68	66.94
08 14 76 00-0009	EA 6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	248.91	70.88

08 14 76 00-0010	Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0011	EA 2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	154.99	47.25
08 14 76 00-0012	EA 2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	165.64	51.19

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	178.86	55.13
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	186.73	59.06
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	243.97	63.01
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	262.00	66.94
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	281.09	70.88

08 14 76 00-0018 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	155.38	47.25
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	171.08	51.19
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	183.88	55.13
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	191.75	59.06
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	248.35	63.01
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	257.99	66.94
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	281.09	70.88

08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	407.56	47.25
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	466.01	51.19
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	532.67	55.13
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	540.54	59.06
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	752.11	63.01
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	861.15	66.94
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	986.59	70.88

08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	523.76	47.25
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	568.54	51.19
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	621.53	55.13
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	629.40	59.06
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	984.51	63.01
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,066.21	66.94
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,164.30	70.88

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	149.49	47.25
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	160.85	51.19
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	176.11	55.13
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	177.76	59.06
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	220.89	63.01
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	238.52	66.94
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	267.48	70.88

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)**08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0001)**08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0002)

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,360.24	47.28
		For Custom Color Finish, Add	123.31	
		For Stainless Steel Continuous Hinge, Add	274.47	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,519.80	49.25
		For Custom Color Finish, Add	123.31	
		For Stainless Steel Continuous Hinge, Add	274.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0008	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,762.42 123.31 274.47	53.19
08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)					
08 16 13 00-0010	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,360.24 123.31 274.47	47.28
08 16 13 00-0011	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,583.10 123.31 274.47	49.25
08 16 13 00-0012	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,829.68 123.31 274.47	53.19
08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) <small>Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.</small>					
08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)					
08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)					
08 16 13 00-0016	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0017	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,861.37 123.31 274.47	49.25
08 16 13 00-0018	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,263.56 123.31 274.47	53.19
08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)					
08 16 13 00-0020	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0021	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,067.10 123.31 274.47	49.25
08 16 13 00-0022	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,340.05 123.31 274.47	53.19
08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)					
08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)					
08 16 13 00-0025	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0026	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,861.37 123.31 274.47	49.25
08 16 13 00-0027	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,263.56 123.31 274.47	53.19
08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)					
08 16 13 00-0029	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0030	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,067.10 123.31 274.47	49.25

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0031	EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,340.05 123.31 274.47	53.19
08 16 13 00-0032	90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033	6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0035	EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,861.37 123.31 274.47	49.25
08 16 13 00-0036	EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,263.56 123.31 274.47	53.19
08 16 13 00-0037	7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,803.35 123.31 274.47	47.28
08 16 13 00-0039	EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,067.10 123.31 274.47	49.25
08 16 13 00-0040	EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,340.05 123.31 274.47	53.19
08 16 13 00-0041	Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042	6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,496.08 123.31 274.47	47.28
08 16 13 00-0044	7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,496.08 123.31 274.47	47.28
08 16 13 00-0046	Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI 1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0048	SI 1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0049	SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.45	
08 16 13 00-0050	SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.44	
08 16 13 00-0051	SI Factory Installed Molded Louver (Chem-Pruf).....	0.87	
08 16 13 00-0052	SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.97	
08 16 13 00-0053	LF Weather Strip (Chem-Pruf).....	9.23	
08 16 13 00-0054	LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	11.87	
08 16 13 00-0055	LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	25.06	
08 16 13 00-0056	LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	27.69	
08 16 13 00-0057	LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	54.07	
08 16 13 00-0058	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0059	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058) Note: White, tan, brown or gray finish. Includes factory hardware prep.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0060	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0062	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,801.84	47.28
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0063	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,826.52	49.25
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0064	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,914.19	53.19
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0065	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,801.84	47.28
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0067	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,906.31	49.25
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0068	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,914.19	53.19
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0069	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,998.64	47.28
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0073	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,060.03	49.25
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0074	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,205.14	53.19
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0075	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,998.64	47.28
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0077	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,082.37	49.25
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0078	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,273.76	53.19
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0079	60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080	6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,998.64	47.28
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0082	EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,060.03	49.25
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,205.14	53.19
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)			
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	2,998.64	47.28
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,082.37	49.25
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,273.76	53.19
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0089)			
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)			
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	2,998.64	47.28
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,060.03	49.25
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,205.14	53.19
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)			
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	2,998.64	47.28
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,082.37	49.25
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	3,273.76	53.19
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)			
		Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)			
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	2,041.20	47.28
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)			
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	.....	2,041.20	47.28
		<i>For Custom Color Finish, Add</i>		123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>		274.47	
08 16 13 00-0102		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0058)			
08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	.....	0.75	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	.....	0.78	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	.....	0.82	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	.....	1.17	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	.....	0.47	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	.....	0.74	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	.....	6.38	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	7.98	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0111	LF	1/2"	Fiberglass Reinforced Polyester (FRP)	Grooved Saddle Threshold (Skule Door).....	25.53	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP)	Door Sweep (Skule Door).....	90.96	
08 16 13 00-0113	LF	2-1/4"	Fiberglass Reinforced Polyester (FRP)	Center Door Mullion (Skule Door).....	35.11	

08 16 13 00-0114 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (08 16 13 00-0001)
 Note: Doors include surface closer blocking, hinge preparation and cylinder lock preparation.

08 16 13 00-0115	EA	3' x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,395.98	47.28
08 16 13 00-0116	EA	3'-6" x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,554.04	49.25
08 16 13 00-0117	EA	4' x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,716.04	53.19
08 16 13 00-0118	EA	Pair 6' x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	2,565.17	56.27
08 16 13 00-0119	EA	Pair 7' x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	2,900.27	65.64
08 16 13 00-0120	EA	Pair 8' x 7', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	3,231.19	72.97
08 16 13 00-0121	EA	3' x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,544.96	47.28
08 16 13 00-0122	EA	3'-6" x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,725.28	49.25
08 16 13 00-0123	EA	4' x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	1,909.54	53.19
08 16 13 00-0124	EA	Pair 6' x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	2,901.70	56.27
08 16 13 00-0125	EA	Pair 7' x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	3,277.18	65.64
08 16 13 00-0126	EA	Pair 8' x 8', 1-3/4"	Corrosion Resistant Fiberglass Reinforced Polyester (FRP)	Door.....	3,645.79	72.97

08 16 13 00-0127 Commercial Door Systems F500 Fiberglass Reinforced Polyester (FRP) Doors (08 16 13 00-0001)

08 16 13 00-0128	EA	Up To 3'-0" x 7'-0"	CDS Fiberglass Reinforced Polyester (FRP)	Door.....	1,480.47	47.28
				Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.		
08 16 13 00-0129	EA	>3'-0" x 7'-0" To 3'-6" x 7'-0"	CDS Fiberglass Reinforced Polyester (FRP)	Door.....	1,568.84	49.25
				Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.		
08 16 13 00-0130	EA	>3'-6" x 7'-0" To 4'-0" x 7'-0"	CDS Fiberglass Reinforced Polyester (FRP)	Door.....	1,696.19	53.19
				Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.		
08 16 13 00-0131	LF	2" x 6"	Extruded Aluminum Door And Window Framing For Fiberglass Reinforced Polyester (FRP) Doors.....		50.90	2.36
				Note: Excludes glazing.		
08 16 13 00-0132	EA	12" x 12" 1/4"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		167.26	
08 16 13 00-0133	EA	6" x 32" 1/4"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		181.60	
08 16 13 00-0134	EA	22" x 32" 1/4"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		216.65	
08 16 13 00-0135	EA	12" x 12" 1"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		234.17	
08 16 13 00-0136	EA	6" x 32" 1"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		258.07	
08 16 13 00-0137	EA	22" x 32" 1"	Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		304.26	
08 16 13 00-0138	EA	12" x 12", 1/4"	Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		374.36	
08 16 13 00-0139	EA	6" x 32", 1/4"	Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		374.36	
08 16 13 00-0140	EA	22" x 32", 1/4"	Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		643.57	
08 16 13 00-0141	EA	<81"	Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		270.81	
08 16 13 00-0142	EA	81" To 120"	Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		391.88	
08 16 13 00-0143	EA	>120"	Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors.....		568.70	
08 16 13 00-0144	EA	18" X 18"	Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		492.24	
08 16 13 00-0145	EA	22" X 24"	Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		661.10	
08 16 13 00-0146	EA	22" X 32"	Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		692.96	
08 16 13 00-0147	SF	1"	Fiberglass Reinforced Polyester (FRP) Infill Panel For CDS Fiberglass Reinforced Polyester (FRP) Doors.....		35.67	7.88

08 16 13 00-0148 Galvanized Insulated Poly Core Composite Doors (08 16 13)

08 16 13 00-0149	EA	3'-0" x 7'-0" x 1-3/4"	Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....		929.75	47.28
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08 30 Specialty Doors and Frames (08)

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames (08 31)

08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0003	EA	12" x 12"	Fire Rated Stainless Steel Access Door With Cam Latch.....		346.49	37.60
08 31 13 00-0004	EA	12" x 18"	Fire Rated Stainless Steel Access Door With Cam Latch.....		405.17	40.05
08 31 13 00-0005	EA	18" x 18"	Fire Rated Stainless Steel Access Door With Cam Latch.....		475.33	42.36
08 31 13 00-0006	EA	24" x 18"	Fire Rated Stainless Steel Access Door With Cam Latch.....		550.94	44.51
08 31 13 00-0007	EA	24" x 24"	Fire Rated Stainless Steel Access Door With Cam Latch.....		564.03	44.74
08 31 13 00-0008	EA	24" x 36"	Fire Rated Stainless Steel Access Door With Cam Latch.....		730.32	46.13

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010	EA	8" x 8"	Stainless Steel Access Door With Cam Latch.....		128.82	28.83
08 31 13 00-0011	EA	12" x 12"	Stainless Steel Access Door With Cam Latch.....		156.20	37.60
08 31 13 00-0012	EA	12" x 18"	Stainless Steel Access Door With Cam Latch.....		228.97	40.05
08 31 13 00-0013	EA	18" x 18"	Stainless Steel Access Door With Cam Latch.....		246.06	42.36
08 31 13 00-0014	EA	24" x 18"	Stainless Steel Access Door With Cam Latch.....		287.91	44.51
08 31 13 00-0015	EA	24" x 24"	Stainless Steel Access Door With Cam Latch.....		331.04	44.74

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)

08 Openings**08 30 Specialty Doors and Frames****08 31 Access Doors and Panels**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	223.37	37.83
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	280.81	40.05
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	279.15	42.36
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	335.04	44.74
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	351.48	44.74
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	464.71	46.13
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	539.77	48.05
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	675.79	48.05
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	870.25	57.66

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	104.47	28.98
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	111.99	37.83
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	131.10	40.05
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	134.00	42.36
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	162.51	44.74
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	167.04	44.74
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	217.31	46.13
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	296.80	48.05

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch.....	158.99	28.83
		<i>For Recessed Doors In Acoustical Tile, Add</i>	7.86	
08 31 13 00-0038	EA	12" x 12" Recessed Steel Access Door With Cam Latch.....	165.85	30.90
		<i>For Recessed Doors In Acoustical Tile, Add</i>	9.10	
08 31 13 00-0039	EA	12" x 18" Recessed Steel Access Door With Cam Latch.....	178.63	32.67
		<i>For Recessed Doors In Acoustical Tile, Add</i>	9.16	
08 31 13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch.....	212.51	34.59
		<i>For Recessed Doors In Acoustical Tile, Add</i>	6.18	
08 31 13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch.....	223.50	36.51
		<i>For Recessed Doors In Acoustical Tile, Add</i>	6.65	
08 31 13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch.....	247.41	36.51
		<i>For Recessed Doors In Acoustical Tile, Add</i>	3.07	
08 31 13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch.....	307.69	46.13
		<i>For Recessed Doors In Acoustical Tile, Add</i>	4.58	
08 31 13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch.....	453.47	48.05
		<i>For Recessed Doors In Acoustical Tile, Add</i>	-15.17	

08 31 13 00-0045 Steel Crawl Space Doors And Frames (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch.....	180.24	48.66
08 31 13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch.....	258.84	58.97
08 31 13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch.....	291.26	64.04

08 33 Coiling Doors and Grilles (08 30)**08 33 13 Coiling Counter Doors** (08 33)**08 33 13 00-0001 Overhead Rolling Counter Doors** (08 33 13)**08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors** (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,266.33	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,535.55	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	5,980.93	350.29
		<i>For Motor Operator (With Safety Reverse), Add</i>	736.58	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,409.52	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	752.51	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,477.82	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,771.31	366.27
		<i>For Motor Operator (With Safety Reverse), Add</i>	741.58	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	6,942.55	380.95
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.24	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650).....	7,356.92	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	753.03	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,939.38	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,679.74	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,855.89	350.29
		<i>For Motor Operator (With Safety Reverse), Add</i>	736.58	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	8,361.36	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	752.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0016	EA		4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,150.87 732.42	329.68
08 33 13 00-0017	EA		6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,377.05 741.58	366.27
08 33 13 00-0018	EA		8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,548.30 745.24	380.95
08 33 13 00-0019	EA		10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	9,645.29 753.03	412.10
08 33 13 00-0020			Aluminum Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,804.77 732.42	329.68
08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,073.99 732.42	329.68
08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,788.59 736.58	350.29
08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	8,024.84 752.51	412.10
08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,016.26 732.42	329.68
08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,309.75 741.58	366.27
08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,514.65 745.24	380.95
08 33 13 00-0028	EA		10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	9,510.68 753.03	412.10
08 33 13 00-0029			Galvanized Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,881.65 732.42	329.68
08 33 13 00-0031	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,285.48 732.42	329.68
08 33 13 00-0032	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,865.47 736.58	350.29
08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,428.67 752.51	412.10
08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,689.31 732.42	329.68
08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,050.10 741.58	366.27
08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,355.96 745.24	380.95
08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,568.41 753.03	412.10
08 33 13 00-0038			Stainless Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	7,823.92 732.42	329.68
08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	8,900.80 732.42	329.68
08 33 13 00-0041	EA		8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,076.96 736.58	350.29
08 33 13 00-0042	EA		10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	11,120.87 752.51	412.10
08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	8,496.97 732.42	329.68
08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	8,790.45 741.58	366.27
08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	9,096.31 745.24	380.95
08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) <i>For Motor Operator (With Safety Reverse), Add</i>	11,260.61 753.03	412.10
08 33 13 00-0047			Integral Frame And Sill, Overhead Rolling Counter Doors <small>(08 33 13)</small>		
08 33 13 00-0048			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,323.78	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,593.00	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,903.77	350.29
		<i>For Motor Operator (With Safety Reverse), Add</i>	736.58	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,332.36	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	752.51	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,727.61	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,088.40	366.27
		<i>For Motor Operator (With Safety Reverse), Add</i>	741.58	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,394.26	380.95
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.24	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	13,818.20	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	753.03	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,977.68	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,246.90	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,557.67	350.29
		<i>For Motor Operator (With Safety Reverse), Add</i>	736.58	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,986.26	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	752.51	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,189.17	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,549.96	366.27
		<i>For Motor Operator (With Safety Reverse), Add</i>	741.58	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,990.43	380.95
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.24	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	12,337.49	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	753.03	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,631.30	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	16,977.40	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,711.15	350.29
		<i>For Motor Operator (With Safety Reverse), Add</i>	736.58	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,216.62	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	752.51	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,650.45	329.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	732.42	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,088.12	366.27
		<i>For Motor Operator (With Safety Reverse), Add</i>	741.58	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	21,143.91	380.95
		<i>For Motor Operator (With Safety Reverse), Add</i>	745.24	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	23,913.95	412.10
		<i>For Motor Operator (With Safety Reverse), Add</i>	753.03	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 13 00-0075	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0076	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	13,208.32
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0077	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	13,477.54
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0078	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	14,057.53
	<i>For Motor Operator (With Safety Reverse), Add</i>	736.58
08 33 13 00-0079	EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,159.17
	<i>For Motor Operator (With Safety Reverse), Add</i>	752.51
08 33 13 00-0080	EA 4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	14,015.98
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0081	EA 6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	14,915.21
	<i>For Motor Operator (With Safety Reverse), Add</i>	741.58
08 33 13 00-0082	EA 8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	15,759.51
	<i>For Motor Operator (With Safety Reverse), Add</i>	745.24
08 33 13 00-0083	EA 10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	18,529.55
	<i>For Motor Operator (With Safety Reverse), Add</i>	753.03
08 33 13 00-0084	Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0085	EA 4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	18,996.55
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0086	EA 6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	19,669.60
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0087	EA 8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	22,403.35
	<i>For Motor Operator (With Safety Reverse), Add</i>	736.58
08 33 13 00-0088	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0089	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	14,285.20
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0090	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	19,669.60
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0091	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	22,403.35
	<i>For Motor Operator (With Safety Reverse), Add</i>	736.58
08 33 13 00-0092	Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>	
	Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.	
08 33 13 00-0093	EA 4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	12,400.66
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0094	EA 6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	14,015.98
	<i>For Motor Operator (With Safety Reverse), Add</i>	732.42
08 33 13 00-0095	EA 8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	14,999.80
	<i>For Motor Operator (With Safety Reverse), Add</i>	736.58
08 33 13 00-0096	EA 10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	16,505.27
	<i>For Motor Operator (With Safety Reverse), Add</i>	752.51
08 33 16	Coiling Counter Grilles <small>(08 33)</small>	
08 33 16 00-0001	Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) <small>(08 33 16)</small>	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,781.58	144.24
		For Lexan Lattice Pattern, Add	205.42	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	88.42	
		For Staggered Brick Pattern, Add	157.41	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,956.72	144.24
		For Lexan Lattice Pattern, Add	231.69	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	121.68	
		For Staggered Brick Pattern, Add	213.55	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,270.87	192.29
		For Lexan Lattice Pattern, Add	258.21	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	154.94	
		For Staggered Brick Pattern, Add	269.69	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,692.36	192.29
		For Lexan Lattice Pattern, Add	321.43	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	221.46	
		For Staggered Brick Pattern, Add	381.96	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,657.59	288.47
		For Lexan Lattice Pattern, Add	425.01	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	331.76	
		For Staggered Brick Pattern, Add	503.66	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,139.66	329.68
		For Lexan Lattice Pattern, Add	476.80	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	331.76	
		For Staggered Brick Pattern, Add	503.66	
08 33 16 00-0008	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,622.82	384.49
		For Lexan Lattice Pattern, Add	528.58	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	442.06	
		For Staggered Brick Pattern, Add	625.36	
08 33 16 00-0009	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,762.61	461.55
		For Lexan Lattice Pattern, Add	666.27	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	530.48	
		For Staggered Brick Pattern, Add	646.66	
08 33 16 00-0010	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,077.70	576.94
		For Lexan Lattice Pattern, Add	814.40	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	620.91	
		For Staggered Brick Pattern, Add	742.30	
08 33 16 00-0011	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,915.28	144.24
		For Lexan Lattice Pattern, Add	225.48	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	132.61	
		For Staggered Brick Pattern, Add	182.89	
08 33 16 00-0012	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,166.82	144.24
		For Lexan Lattice Pattern, Add	263.21	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	198.91	
		For Staggered Brick Pattern, Add	248.73	
08 33 16 00-0013	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,452.57	192.37
		For Lexan Lattice Pattern, Add	285.47	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	265.19	
		For Staggered Brick Pattern, Add	314.57	
08 33 16 00-0014	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,938.21	192.37
		For Lexan Lattice Pattern, Add	358.31	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	397.86	
		For Staggered Brick Pattern, Add	446.25	
08 33 16 00-0015	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,002.43	288.47
		For Lexan Lattice Pattern, Add	476.73	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	530.48	
		For Staggered Brick Pattern, Add	614.32	
08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,533.98	329.68
		For Lexan Lattice Pattern, Add	535.95	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	530.48	
		For Staggered Brick Pattern, Add	614.32	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,063.71	384.49
		For Lexan Lattice Pattern, Add	595.16	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	663.11	
		For Staggered Brick Pattern, Add	782.39	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,337.75	461.55
		For Lexan Lattice Pattern, Add	752.54	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	795.72	
		For Staggered Brick Pattern, Add	901.94	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,650.53	576.94
		For Lexan Lattice Pattern, Add	900.32	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	926.43	
		For Staggered Brick Pattern, Add	1,011.13	

08 33 23 Overhead Coiling Doors (08 33)

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0808 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	927.38	381.75
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	994.88	404.20
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	992.24	404.20
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,063.17	426.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0007	EA		6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,079.54	437.90
08 33 23 11-0008	EA		6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,172.64	471.57
08 33 23 11-0009	EA		6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,253.41	494.02
08 33 23 11-0010	EA		8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,227.37	494.02
08 33 23 11-0011	EA		8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,268.69	505.26
08 33 23 11-0012	EA		8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,318.42	516.48
08 33 23 11-0013	EA		8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,416.05	538.93
08 33 23 11-0014	EA		10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,314.79	516.48
08 33 23 11-0015	EA		10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,398.71	538.93
08 33 23 11-0016	EA		10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,495.65	561.39
08 33 23 11-0017	EA		10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,567.44	583.84
08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover).					
08 33 23 11-0019	EA		8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,381.32	568.13
			<i>For Insulated, Add</i>	1,019.01	
08 33 23 11-0020	EA		8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,450.22	581.05
			<i>For Insulated, Add</i>	1,053.23	
08 33 23 11-0021	EA		8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,653.88	619.77
			<i>For Insulated, Add</i>	1,153.71	
08 33 23 11-0022	EA		8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,836.82	645.60
			<i>For Insulated, Add</i>	1,256.05	
08 33 23 11-0023	EA		10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,553.13	593.96
			<i>For Insulated, Add</i>	1,113.01	
08 33 23 11-0024	EA		10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,754.57	645.60
			<i>For Insulated, Add</i>	1,194.36	
08 33 23 11-0025	EA		10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,904.35	671.42
			<i>For Insulated, Add</i>	1,271.84	
08 33 23 11-0026	EA		10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,097.45	697.25
			<i>For Insulated, Add</i>	1,381.80	
08 33 23 11-0027	EA		12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,733.36	619.77
			<i>For Insulated, Add</i>	1,213.32	
08 33 23 11-0028	EA		12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,898.71	645.60
			<i>For Insulated, Add</i>	1,302.47	
08 33 23 11-0029	EA		12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,115.72	697.25
			<i>For Insulated, Add</i>	1,395.50	
08 33 23 11-0030	EA		12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,367.24	719.71
			<i>For Insulated, Add</i>	1,553.83	
08 33 23 11-0031	EA		14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,435.55	764.62
			<i>For Insulated, Add</i>	1,544.43	
08 33 23 11-0032	EA		14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,762.04	809.53
			<i>For Insulated, Add</i>	1,728.67	
08 33 23 11-0033	EA		14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,102.88	854.44
			<i>For Insulated, Add</i>	1,923.67	
08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover).					
08 33 23 11-0035	EA		4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,095.43	511.31
			<i>For Insulated, Add</i>	881.29	
08 33 23 11-0036	EA		4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,259.56	539.73
			<i>For Insulated, Add</i>	966.01	
08 33 23 11-0037	EA		4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,375.32	562.19
			<i>For Insulated, Add</i>	1,022.51	
08 33 23 11-0038	EA		6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,385.89	596.54
			<i>For Insulated, Add</i>	984.07	
08 33 23 11-0039	EA		6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,618.79	653.36
			<i>For Insulated, Add</i>	1,082.04	
08 33 23 11-0040	EA		6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,773.30	675.81
			<i>For Insulated, Add</i>	1,167.61	
08 33 23 11-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,155.54	698.27
			<i>For Insulated, Add</i>	1,423.98	
08 33 23 11-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,560.24	731.95
			<i>For Insulated, Add</i>	1,682.02	
08 33 23 11-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,597.39	639.14
			<i>For Insulated, Add</i>	1,085.22	
08 33 23 11-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,814.55	681.75
			<i>For Insulated, Add</i>	1,190.54	
08 33 23 11-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,991.41	710.16
			<i>For Insulated, Add</i>	1,284.81	
08 33 23 11-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,358.56	732.63
			<i>For Insulated, Add</i>	1,529.86	
08 33 23 11-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,748.14	766.30
			<i>For Insulated, Add</i>	1,776.57	
08 33 23 11-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,071.47	738.57
			<i>For Insulated, Add</i>	1,306.54	
08 33 23 11-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,306.08	766.97
			<i>For Insulated, Add</i>	1,444.12	
08 33 23 11-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,733.14	811.89
			<i>For Insulated, Add</i>	1,703.78	
08 33 23 11-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,205.12	879.26
			<i>For Insulated, Add</i>	1,966.82	
08 33 23 11-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,681.42	969.08
			<i>For Insulated, Add</i>	2,202.78	
08 33 23 11-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,202.62	1,081.36
			<i>For Insulated, Add</i>	2,442.11	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,768.73	1,216.09
		<i>For Insulated, Add</i>	2,684.80	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,378.50	1,373.28
		<i>For Insulated, Add</i>	2,929.92	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,318.00	766.97
		<i>For Insulated, Add</i>	1,453.06	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,551.77	791.68
		<i>For Insulated, Add</i>	1,595.03	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,088.19	836.59
		<i>For Insulated, Add</i>	1,936.72	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,669.51	903.96
		<i>For Insulated, Add</i>	2,281.77	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,233.78	993.78
		<i>For Insulated, Add</i>	2,583.71	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,842.95	1,106.06
		<i>For Insulated, Add</i>	2,889.01	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,497.04	1,240.80
		<i>For Insulated, Add</i>	3,197.69	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,240.94	1,420.44
		<i>For Insulated, Add</i>	3,513.08	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,066.01	893.07
		<i>For Insulated, Add</i>	1,843.87	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,465.39	937.98
		<i>For Insulated, Add</i>	2,082.78	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,947.10	982.89
		<i>For Insulated, Add</i>	2,383.43	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,422.25	1,050.26
		<i>For Insulated, Add</i>	2,648.85	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,970.45	1,140.09
		<i>For Insulated, Add</i>	2,938.74	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,518.11	1,229.91
		<i>For Insulated, Add</i>	3,228.22	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,666.86	1,342.18
		<i>For Insulated, Add</i>	3,938.20	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,860.51	1,476.91
		<i>For Insulated, Add</i>	4,651.55	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,905.30	1,027.04
		<i>For Insulated, Add</i>	2,292.48	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,360.04	1,071.95
		<i>For Insulated, Add</i>	2,572.90	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,764.71	1,116.86
		<i>For Insulated, Add</i>	2,815.77	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,228.76	1,184.22
		<i>For Insulated, Add</i>	3,072.87	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,779.47	1,274.04
		<i>For Insulated, Add</i>	3,364.64	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,409.06	1,363.87
		<i>For Insulated, Add</i>	3,715.57	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,365.27	1,476.15
		<i>For Insulated, Add</i>	4,281.16	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,374.00	1,610.88
		<i>For Insulated, Add</i>	4,855.81	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,296.40	1,155.41
		<i>For Insulated, Add</i>	2,412.46	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,703.08	1,200.32
		<i>For Insulated, Add</i>	2,656.84	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,352.53	1,267.70
		<i>For Insulated, Add</i>	3,052.99	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,949.94	1,357.52
		<i>For Insulated, Add</i>	3,379.78	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,596.14	1,469.80
		<i>For Insulated, Add</i>	3,712.85	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,287.75	1,604.53
		<i>For Insulated, Add</i>	4,049.67	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,475.05	1,761.72
		<i>For Insulated, Add</i>	4,727.94	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,730.34	1,941.36
		<i>For Insulated, Add</i>	5,426.89	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,053.07	1,328.73
		<i>For Insulated, Add</i>	2,745.99	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,831.86	1,373.64
		<i>For Insulated, Add</i>	3,269.45	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,721.61	1,624.60
		<i>For Insulated, Add</i>	3,598.03	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,550.01	1,691.97
		<i>For Insulated, Add</i>	4,128.38	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,545.05	1,781.79
		<i>For Insulated, Add</i>	4,753.40	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,655.65	1,871.61
		<i>For Insulated, Add</i>	5,465.08	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,816.61	1,983.89
		<i>For Insulated, Add</i>	6,184.23	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,041.58	2,118.62
		<i>For Insulated, Add</i>	6,921.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,608.64	1,572.95
		<i>For Insulated, Add</i>	.....	2,833.02	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,479.40	1,640.32
		<i>For Insulated, Add</i>	.....	3,395.15	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,640.67	1,787.05
		<i>For Insulated, Add</i>	.....	4,067.96	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,721.25	1,854.42
		<i>For Insulated, Add</i>	.....	4,787.45	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,850.37	1,944.24
		<i>For Insulated, Add</i>	.....	5,513.03	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,094.63	2,034.06
		<i>For Insulated, Add</i>	.....	6,324.96	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,387.59	2,146.34
		<i>For Insulated, Add</i>	.....	7,143.11	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,717.78	2,281.08
		<i>For Insulated, Add</i>	.....	7,958.86	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,284.41	1,730.24
		<i>For Insulated, Add</i>	.....	3,127.46	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,877.38	1,775.15
		<i>For Insulated, Add</i>	.....	3,511.56	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,166.94	1,820.06
		<i>For Insulated, Add</i>	.....	4,418.10	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,373.16	1,887.43
		<i>For Insulated, Add</i>	.....	5,231.82	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,577.14	1,977.25
		<i>For Insulated, Add</i>	.....	6,013.54	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,895.38	2,067.07
		<i>For Insulated, Add</i>	.....	6,880.96	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,342.11	1,615.44
		<i>For Insulated, Add</i>	.....	7,826.58	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,130.51	2,314.08
		<i>For Insulated, Add</i>	.....	8,973.85	
08 33 23 11-0113	18 Gauge Galvanized Steel Overhead Coiling Doors <small>(08 33 23 11-0001)</small>				
	Note: With curtain hood (barrel cover).				
08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,407.99	893.07
		<i>For Insulated, Add</i>	.....	2,100.35	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	4,853.80	937.98
		<i>For Insulated, Add</i>	.....	2,374.08	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,394.30	982.89
		<i>For Insulated, Add</i>	.....	2,718.83	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,920.52	1,050.26
		<i>For Insulated, Add</i>	.....	3,022.55	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,523.99	1,140.09
		<i>For Insulated, Add</i>	.....	3,353.89	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,126.86	1,229.91
		<i>For Insulated, Add</i>	.....	3,684.79	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,414.24	1,342.18
		<i>For Insulated, Add</i>	.....	4,498.74	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,746.51	1,476.91
		<i>For Insulated, Add</i>	.....	5,316.05	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,332.98	1,027.04
		<i>For Insulated, Add</i>	.....	2,613.24	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,842.46	1,071.95
		<i>For Insulated, Add</i>	.....	2,934.72	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,294.36	1,116.86
		<i>For Insulated, Add</i>	.....	3,213.01	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,807.81	1,184.22
		<i>For Insulated, Add</i>	.....	3,507.15	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,414.17	1,274.04
		<i>For Insulated, Add</i>	.....	3,840.67	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,111.26	1,363.87
		<i>For Insulated, Add</i>	.....	4,242.22	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,177.22	1,476.15
		<i>For Insulated, Add</i>	.....	4,890.12	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,296.83	1,610.88
		<i>For Insulated, Add</i>	.....	5,547.93	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	5,744.24	1,155.41
		<i>For Insulated, Add</i>	.....	2,748.34	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,198.43	1,200.32
		<i>For Insulated, Add</i>	.....	3,028.36	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,925.10	1,267.70
		<i>For Insulated, Add</i>	.....	3,482.42	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,585.17	1,357.52
		<i>For Insulated, Add</i>	.....	3,856.21	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,294.61	1,469.80
		<i>For Insulated, Add</i>	.....	4,236.71	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,049.55	1,604.53
		<i>For Insulated, Add</i>	.....	4,621.02	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,367.78	1,761.72
		<i>For Insulated, Add</i>	.....	5,397.49	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,757.47	1,941.36
		<i>For Insulated, Add</i>	.....	6,197.23	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	6,562.41	1,328.73
		<i>For Insulated, Add</i>	.....	3,128.00	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,444.54	1,373.64
		<i>For Insulated, Add</i>	.....	3,728.96	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,218.54	1,624.60
		<i>For Insulated, Add</i>	3,970.73	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,124.02	1,691.97
		<i>For Insulated, Add</i>	4,558.88	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,209.66	1,781.79
		<i>For Insulated, Add</i>	5,251.86	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,423.71	1,871.61
		<i>For Insulated, Add</i>	6,041.13	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,688.71	1,983.89
		<i>For Insulated, Add</i>	6,838.31	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,019.85	2,118.62
		<i>For Insulated, Add</i>	7,654.77	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,993.39	1,572.95
		<i>For Insulated, Add</i>	3,121.59	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,945.93	1,640.32
		<i>For Insulated, Add</i>	3,745.04	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,203.62	1,787.05
		<i>For Insulated, Add</i>	4,490.18	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,389.29	1,854.42
		<i>For Insulated, Add</i>	5,288.48	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,623.91	1,944.24
		<i>For Insulated, Add</i>	6,093.18	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,986.45	2,034.06
		<i>For Insulated, Add</i>	6,993.82	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,398.13	2,146.34
		<i>For Insulated, Add</i>	7,901.01	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,846.18	2,281.08
		<i>For Insulated, Add</i>	8,805.16	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,709.29	1,730.24
		<i>For Insulated, Add</i>	3,446.12	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,358.16	1,775.15
		<i>For Insulated, Add</i>	3,872.14	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,781.03	1,820.06
		<i>For Insulated, Add</i>	4,878.66	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,106.29	1,887.43
		<i>For Insulated, Add</i>	5,781.67	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,424.10	1,977.25
		<i>For Insulated, Add</i>	6,648.76	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,868.85	2,067.07
		<i>For Insulated, Add</i>	7,611.07	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,465.69	1,615.44
		<i>For Insulated, Add</i>	8,669.29	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,408.55	2,314.08
		<i>For Insulated, Add</i>	9,932.38	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,059.79	511.31
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,218.32	539.73
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,642.66	562.19
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,537.44	596.54
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,776.86	653.36
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,947.61	675.81
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,156.08	698.27
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,389.77	731.95
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,777.85	639.14
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,033.38	681.75
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,263.17	710.16
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,471.83	732.63
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,703.84	766.30
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,333.29	738.57
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,559.15	766.97
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,857.43	811.89
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,201.78	879.26
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,739.88	969.08
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,322.80	1,081.36
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,947.21	1,216.09
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,617.54	1,373.28
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,554.91	766.97
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,012.56	791.68
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,420.54	836.59
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,875.34	903.96
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,488.55	993.78
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,148.32	1,106.06
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,613.49	1,240.80
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,170.70	1,420.44

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,057.68	893.07
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,601.81	937.98
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,135.20	982.89
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,670.46	1,050.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0198	EA	14' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,285.61	1,140.09
08 33 23 11-0199	EA	14' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,900.73	1,229.91
08 33 23 11-0200	EA	14' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,570.20	1,342.18
08 33 23 11-0201	EA	14' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,284.66	1,476.91
08 33 23 11-0202	EA	16' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	4,735.58	1,027.04
08 33 23 11-0203	EA	16' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	5,305.25	1,071.95
08 33 23 11-0204	EA	16' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	5,850.72	1,116.86
08 33 23 11-0205	EA	16' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,458.58	1,184.22
08 33 23 11-0206	EA	16' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,159.75	1,274.04
08 33 23 11-0207	EA	16' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,901.23	1,363.87
08 33 23 11-0208	EA	16' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,655.34	1,476.15
08 33 23 11-0209	EA	16' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,412.72	1,610.88
08 33 23 11-0210	EA	18' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	5,289.43	1,155.41
08 33 23 11-0211	EA	18' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	5,900.76	1,200.32
08 33 23 11-0212	EA	18' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,618.01	1,267.70
08 33 23 11-0213	EA	18' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,369.72	1,357.52
08 33 23 11-0214	EA	18' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,174.94	1,469.80
08 33 23 11-0215	EA	18' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,019.70	1,604.53
08 33 23 11-0216	EA	18' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,908.02	1,761.72
08 33 23 11-0217	EA	18' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,846.61	1,941.36
08 33 23 11-0218	EA	20' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,039.29	1,328.73
08 33 23 11-0219	EA	20' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,662.72	1,373.64
08 33 23 11-0220	EA	20' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,688.58	1,441.01
08 33 23 11-0221	EA	20' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,395.15	1,530.83
08 33 23 11-0222	EA	20' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,272.94	1,643.11
08 33 23 11-0223	EA	20' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,219.83	1,777.84
08 33 23 11-0224	EA	20' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,168.62	1,935.03
08 33 23 11-0225	EA	20' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	12,190.58	2,114.68
08 33 23 11-0226	EA	22' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,128.47	1,572.95
08 33 23 11-0227	EA	22' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,946.01	1,640.32
08 33 23 11-0228	EA	22' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,019.14	1,787.05
08 33 23 11-0229	EA	22' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,915.97	1,854.42
08 33 23 11-0230	EA	22' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,856.40	1,944.24
08 33 23 11-0231	EA	22' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,806.22	2,034.06
08 33 23 11-0232	EA	22' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	12,749.87	2,146.34
08 33 23 11-0233	EA	22' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	13,745.15	2,281.08
08 33 23 11-0234	EA	24' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,858.43	1,730.24
08 33 23 11-0235	EA	24' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,358.21	1,775.15
08 33 23 11-0236	EA	24' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,579.80	1,820.06
08 33 23 11-0237	EA	24' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,586.84	1,887.43
08 33 23 11-0238	EA	24' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,583.71	1,977.25
08 33 23 11-0239	EA	24' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	12,580.58	2,067.07
08 33 23 11-0240	EA	24' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	13,762.14	2,179.35
08 33 23 11-0241	EA	24' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	15,028.95	2,314.08

08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	3.52	0.99
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	23.48	1.18
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	22.39	1.18
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors.....	211.76	49.25
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,259.86	157.61
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,596.81	157.61
08 33 23 11-0249	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,493.06	177.30
08 33 23 11-0250	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,769.72	177.30
08 33 23 11-0251	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,928.45	197.00
08 33 23 11-0252	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,096.28	197.00
08 33 23 11-0253	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles.....	82.22	
08 33 23 11-0254	EA	Remote Transmitter Kit For Coiling Door Operators.....	274.09	78.80

08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)

08 33 23 11-0256	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports..... Note: Includes storage, cleaning and supply materials.	16.95	
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08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0808 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 33 23 13-0003		5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0004	EA			5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,616.13	288.41	
	08 33 23 13-0005	EA			5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,812.79	301.81	
	08 33 23 13-0006	EA			5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,008.15	315.21	
	08 33 23 13-0007	EA			5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,202.18	328.61	
	08 33 23 13-0008	EA			5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,398.84	342.00	
	08 33 23 13-0009	EA			5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,594.19	355.40	
08 33 23 13-0010		6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0011	EA			6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,812.79	301.81	
	08 33 23 13-0012	EA			6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,008.15	315.21	
	08 33 23 13-0013	EA			6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,202.18	328.61	
	08 33 23 13-0014	EA			6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,398.84	342.00	
	08 33 23 13-0015	EA			6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,594.19	355.40	
	08 33 23 13-0016	EA			6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,789.55	368.80	
08 33 23 13-0017		7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0018	EA			7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,008.15	315.21	
	08 33 23 13-0019	EA			7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,202.18	328.61	
	08 33 23 13-0020	EA			7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,398.84	342.00	
	08 33 23 13-0021	EA			7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,594.19	355.40	
	08 33 23 13-0022	EA			7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,789.55	368.80	
	08 33 23 13-0023	EA			7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,986.21	382.19	
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0025	EA			8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,202.18	328.61	
	08 33 23 13-0026	EA			8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,398.84	342.00	
	08 33 23 13-0027	EA			8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,594.19	355.40	
	08 33 23 13-0028	EA			8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,789.55	368.80	
	08 33 23 13-0029	EA			8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,986.21	382.19	
	08 33 23 13-0030	EA			8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,180.24	395.59	
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0032	EA			9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,398.84	342.00	
	08 33 23 13-0033	EA			9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,594.19	355.40	
	08 33 23 13-0034	EA			9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,789.55	368.80	
	08 33 23 13-0035	EA			9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,986.21	382.19	
	08 33 23 13-0036	EA			9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,180.24	395.59	
	08 33 23 13-0037	EA			9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,376.91	408.98	
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)						
	08 33 23 13-0039	EA			10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,594.19	355.40	
	08 33 23 13-0040	EA			10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,789.55	368.80	
	08 33 23 13-0041	EA			10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	4,986.21	382.19	
	08 33 23 13-0042	EA			10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,180.24	395.59	
	08 33 23 13-0043	EA			10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,376.91	408.98	
	08 33 23 13-0044	EA			10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,572.26	422.38	
08 33 23 13-0045		Rytec® Bantam® Door Options (08 33 23 13-0001)						
	08 33 23 13-0046	SF			Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	8.23		
	08 33 23 13-0047	SF			Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	18.11		
	08 33 23 13-0048	LF			31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	26.34		
	Note: Multiply linear foot price x width of door.							
	08 33 23 13-0049	EA			Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	250.20		
	08 33 23 13-0050	EA			Roll Cover For Rytec® Bantam® High-Speed Rolling Doors.....	473.86	39.40	
	08 33 23 13-0051	EA			Motor Cover For Rytec® Bantam® High-Speed Rolling Doors.....	473.86	39.40	
	08 33 23 13-0052	EA			Motor Operator For Rytec® Bantam® High-Speed Rolling Doors	2,034.13	78.80	
	Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.							
	08 33 23 13-0053	EA			Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator	249.99	39.40	
	Note: Includes open/close/stop control.							
	08 33 23 13-0054	EA			Auto Close Feature For Rytec® Bantam® Motor Operator.....	243.41	39.40	
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13)						
	Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.							

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0056	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0057	6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0058	EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,218.89	315.21
08 33 23 13-0059	EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,399.31	328.61
08 33 23 13-0060	EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,607.78	342.00
08 33 23 13-0061	EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,899.16	355.40
08 33 23 13-0062	EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,196.65	368.80
08 33 23 13-0063	EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,698.97	382.19
08 33 23 13-0064	EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,054.97	395.59
08 33 23 13-0065	7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0066	EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,439.55	328.61
08 33 23 13-0067	EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,669.97	342.00
08 33 23 13-0068	EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,960.13	355.40
08 33 23 13-0069	EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,267.37	368.80
08 33 23 13-0070	EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,673.36	382.19
08 33 23 13-0071	EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,163.49	395.59
08 33 23 13-0072	EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,549.98	408.98
08 33 23 13-0073	8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0074	EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,708.98	342.00
08 33 23 13-0075	EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		11,997.92	355.40
08 33 23 13-0076	EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,317.36	368.80
08 33 23 13-0077	EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,735.55	382.19
08 33 23 13-0078	EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,112.28	395.59
08 33 23 13-0079	EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,646.31	408.98
08 33 23 13-0080	EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,084.01	422.38
08 33 23 13-0081	9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0082	EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,038.16	355.40
08 33 23 13-0083	EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,355.16	368.80
08 33 23 13-0084	EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,773.34	382.19
08 33 23 13-0085	EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,162.27	395.59
08 33 23 13-0086	EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,570.71	408.98
08 33 23 13-0087	EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,995.00	422.38
08 33 23 13-0088	EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,460.74	435.77
08 33 23 13-0089	10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0090	EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,386.86	368.80
08 33 23 13-0091	EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,813.58	382.19
08 33 23 13-0092	EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,198.85	395.59
08 33 23 13-0093	EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,610.95	408.98
08 33 23 13-0094	EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,068.16	422.38
08 33 23 13-0095	EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,158.35	435.77
08 33 23 13-0096	EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,937.45	449.17
08 33 23 13-0097	11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0098	EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		12,836.75	382.19
08 33 23 13-0099	EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,231.77	395.59
08 33 23 13-0100	EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,648.75	408.98
08 33 23 13-0101	EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,107.17	422.38
08 33 23 13-0102	EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,407.09	435.77
08 33 23 13-0103	EA 11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		15,003.29	449.17
08 33 23 13-0104	EA 11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		15,490.99	462.57
08 33 23 13-0105	12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) <small>(08 33 23 13-0056)</small>			
08 33 23 13-0106	EA 12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,242.74	395.59
08 33 23 13-0107	EA 12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		13,670.70	408.98
08 33 23 13-0108	EA 12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,137.66	422.38
08 33 23 13-0109	EA 12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,448.54	435.77
08 33 23 13-0110	EA 12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		14,858.20	449.17
08 33 23 13-0111	EA 12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		15,547.08	462.57
08 33 23 13-0112	EA 12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....		16,025.02	475.96
08 33 23 13-0113	Rytec® PredaDoor® Door Options <small>(08 33 23 13-0056)</small>			
08 33 23 13-0114	EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....		553.89	78.80

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0115	EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	816.04	78.80
08 33 23 13-0116	SF Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	9.88	
08 33 23 13-0117	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118	3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)		
08 33 23 13-0119	8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23 13-0120	EA 8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,974.37	709.22
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0121	EA 8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,747.37	729.32
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0122	EA 8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,420.37	749.41
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123	EA 8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,144.60	769.51
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0124	EA 8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,966.36	789.59
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA 8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,395.50	809.69
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA 8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,068.51	829.79
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0127	EA 8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,667.52	851.36
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0128	EA 8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,624.37	873.49
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0129	EA 8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,396.70	896.20
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0130	EA 8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,354.56	919.51
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
	For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0131	9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	17,747.37 675.00 1,100.00 2,750.00 2,750.00 4,125.00	729.32
08 33 23	13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,420.37 675.00 1,100.00 2,750.00 2,750.00 4,125.00	749.41
08 33 23	13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,144.60 675.00 1,100.00 2,750.00 2,750.00 4,125.00	769.51
08 33 23	13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,966.36 675.00 1,100.00 2,750.00 2,750.00 4,125.00	789.59
08 33 23	13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,395.50 675.00 1,100.00 2,750.00 2,750.00 4,125.00	809.69
08 33 23	13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,068.51 675.00 1,100.00 2,750.00 2,750.00 4,125.00	829.79
08 33 23	13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,937.83 675.00 1,100.00 2,750.00 2,750.00 4,125.00	849.88
08 33 23	13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,624.37 675.00 1,100.00 2,750.00 2,750.00 4,125.00	873.49
08 33 23	13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,396.70 675.00 1,100.00 2,750.00 2,750.00 4,125.00	896.20
08 33 23	13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,354.56 675.00 1,100.00 2,750.00 2,750.00 4,125.00	919.51
08 33 23	13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,496.68 675.00 1,100.00 2,750.00 2,750.00 4,125.00	943.41
08 33 23	13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)		
08 33 23	13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	18,420.37 675.00 1,100.00 2,750.00 3,300.00 4,950.00	749.41
08 33 23	13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,144.60 675.00 1,100.00 2,750.00 3,300.00 4,950.00	769.51
08 33 23	13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,966.36 675.00 1,100.00 2,750.00 3,300.00 4,950.00	789.59

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0147	EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,395.50	809.69
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0148	EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,068.51	829.79
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0149	EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,937.83	849.88
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0150	EA 10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,758.38	869.98
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0151	EA 10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,395.82	895.77
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0152	EA 10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,353.67	919.06
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0153	EA 10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,495.76	942.96
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0154	EA 10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,457.38	967.47
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0156	EA 11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,144.60	769.51
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0157	EA 11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,966.36	789.59
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0158	EA 11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,395.50	809.69
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0159	EA 11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,068.51	829.79
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0160	EA 11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,937.83	849.88
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	
08 33 23 13-0161	EA 11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,758.38	869.98
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,850.00	
	For 316 Stainless Steel Side Frame Tower, Add	5,775.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0162	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,676.47 675.00 1,100.00 2,750.00 3,850.00 5,775.00	890.07
08 33 23 13-0163	EA		11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,351.52 675.00 1,100.00 2,750.00 3,850.00 5,775.00	917.99
08 33 23 13-0164	EA		11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,493.56 675.00 1,100.00 2,750.00 3,850.00 5,775.00	941.85
08 33 23 13-0165	EA		11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,455.12 675.00 1,100.00 2,750.00 3,850.00 5,775.00	966.34
08 33 23 13-0166	EA		11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,598.36 675.00 1,100.00 2,750.00 3,850.00 5,775.00	991.46
08 33 23 13-0167			12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0168)</small>		
08 33 23 13-0168	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	19,966.36 675.00 1,100.00 2,750.00 4,400.00 6,600.00	789.59
08 33 23 13-0169	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	20,395.50 675.00 1,100.00 2,750.00 4,400.00 6,600.00	809.69
08 33 23 13-0170	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,068.51 675.00 1,100.00 2,750.00 4,400.00 6,600.00	829.79
08 33 23 13-0171	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,937.83 675.00 1,100.00 2,750.00 4,400.00 6,600.00	849.88
08 33 23 13-0172	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,758.38 675.00 1,100.00 2,750.00 4,400.00 6,600.00	869.98
08 33 23 13-0173	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,676.47 675.00 1,100.00 2,750.00 4,400.00 6,600.00	890.07
08 33 23 13-0174	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,334.85 675.00 1,100.00 2,750.00 4,400.00 6,600.00	910.16
08 33 23 13-0175	EA		12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,490.26 675.00 1,100.00 2,750.00 4,400.00 6,600.00	940.20
08 33 23 13-0176	EA		12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,451.72 675.00 1,100.00 2,750.00 4,400.00 6,600.00	964.64

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,594.87	989.73
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,739.32	1,015.46
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,897.86	809.69
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,759.86	829.79
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,576.75	849.88
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,526.55	869.98
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,472.68	890.07
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,173.74	910.16
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,705.31	930.26
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,522.46	962.48
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,666.82	987.50
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,816.42	1,013.19
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,827.77	1,039.52
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,975.00	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,759.86 675.00 1,100.00 2,750.00 5,480.00 7,370.00	829.79
08 33 23	13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	22,576.75 675.00 1,100.00 2,750.00 5,480.00 7,370.00	849.88
08 33 23	13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,526.55 675.00 1,100.00 2,750.00 5,480.00 7,370.00	869.98
08 33 23	13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	24,472.68 675.00 1,100.00 2,750.00 5,480.00 7,370.00	890.07
08 33 23	13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,173.74 675.00 1,100.00 2,750.00 5,480.00 7,370.00	910.16
08 33 23	13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,705.31 675.00 1,100.00 2,750.00 5,480.00 7,370.00	930.26
08 33 23	13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,497.80 675.00 1,100.00 2,750.00 5,480.00 7,370.00	950.35
08 33 23	13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,661.24 675.00 1,100.00 2,750.00 5,480.00 7,370.00	984.72
08 33 23	13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,810.68 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,010.32
08 33 23	13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,821.90 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,036.58
08 33 23	13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,031.48 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,063.54
08 33 23	13-0203		15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0198)		
08 33 23	13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	22,536.95 675.00 1,100.00 2,750.00	829.79
08 33 23	13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	23,487.09 675.00 1,100.00 2,750.00	849.88
08 33 23	13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	24,433.27 675.00 1,100.00 2,750.00	869.98
08 33 23	13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,134.52 675.00 1,100.00 2,750.00	890.07
08 33 23	13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	25,665.90 675.00 1,100.00 2,750.00	910.16

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,458.01	930.26
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,636.22	972.22
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,804.78	1,007.37
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,815.84	1,033.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,025.27	1,060.43
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,577.67	1,088.01
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,524.13	868.39
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,472.17	889.43
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,175.29	910.45
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,708.54	931.49
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,502.52	952.51
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,638.89	973.54
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,779.20	994.57
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,809.79	1,030.53
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,019.07	1,057.33
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,571.31	1,084.82
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,132.88	1,113.03
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,070.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,790.00	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,383.14	888.37
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,174.14	909.88
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,132.38	931.40
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,185.43	952.91
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,151.57	974.42
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,590.47	995.94
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,976.68	1,017.45
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,012.88	1,054.24
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,564.97	1,081.64
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,126.37	1,109.77
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,640.52	1,138.62
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,427.45	908.80
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,473.60	930.81
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,613.23	952.82
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,748.92	974.82
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,933.32	996.84
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,618.14	1,018.84
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,350.37	1,040.85
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,197.30	1,078.48
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,119.88	1,106.53
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,590.40	1,135.30
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,108.52	1,164.81
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	

08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,471.39	929.70
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,612.03	952.22
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,748.73	974.73
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,934.15	997.25
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,619.98	1,019.76
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,353.22	1,042.28
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,169.92	1,064.79
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,113.41	1,103.29
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,583.76	1,131.97
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,101.70	1,161.41
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,621.16	1,191.61
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	27,609.77	951.09
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	28,747.51	974.11
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	29,933.96	997.15
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	31,620.83	1,020.18
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	33,355.10	1,043.22
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	34,172.84	1,066.24
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	35,085.39	1,089.28
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	36,577.14	1,128.66
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	38,094.91	1,158.01
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	39,614.19	1,188.12
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	40,950.69	1,219.01
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0275		21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)			
		<small>(08 33 23 13-0118)</small>			
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	34,563.81	1,020.08
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	36,251.71	1,043.64
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	37,985.72	1,067.21
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	38,807.16	1,090.77
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	39,719.45	1,114.33
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	41,213.03	1,154.63
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	42,732.14	1,184.65
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	44,252.81	1,215.45
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	45,590.73	1,247.05
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	

08 33 23 13-0285 **22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,885.43	1,043.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,575.76	1,067.65
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,309.54	1,091.75
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,130.73	1,115.86
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,046.74	1,139.96
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,542.17	1,181.18
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,062.67	1,211.89
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,583.44	1,243.40
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,924.12	1,275.73
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,209.47	1,067.55
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,899.58	1,092.21
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,635.79	1,116.87
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,458.09	1,141.53
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,373.91	1,166.18
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,872.54	1,208.35
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,393.12	1,239.77
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,916.67	1,272.00
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,258.85	1,305.07
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,533.28	1,092.11
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,224.53	1,117.33
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0308	EA		24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	41,963.19 675.00 1,100.00 2,750.00	1,142.56
08 33 23 13-0309	EA		24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,786.64 675.00 1,100.00 2,750.00	1,167.77
08 33 23 13-0310	EA		24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	43,702.26 675.00 1,100.00 2,750.00	1,193.00
08 33 23 13-0311	EA		24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,201.51 675.00 1,100.00 2,750.00	1,236.14
08 33 23 13-0312	EA		24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,724.87 675.00 1,100.00 2,750.00	1,268.28
08 33 23 13-0313	EA		24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,251.21 675.00 1,100.00 2,750.00	1,301.26
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,592.26 675.00 1,100.00 2,750.00	1,335.09
08 33 23 13-0315			Rytec® Fast-Seal® Door Options <small>(08 33 23 13-0117)</small>		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors <small>Note: Multiply linear foot price x width of door.</small>	36.58	
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	396.28	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	658.43	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.27	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,448.54	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	231.67	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	457.24	
			<small>Note: Door must be at least 90" wide.</small>		
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	579.17	
			<small>Note: Door must be at least 102" wide.</small>		
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	914.48	
			<small>Note: Door must be at least 136" wide.</small>		
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	268.25	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	530.40	
			<small>Note: Door must be at least 108" wide.</small>		
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	658.43	
			<small>Note: Door must be at least 144" wide.</small>		
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,060.80	
			<small>Note: Door must be at least 192" wide.</small>		
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	518.65	
			<i>For 304 Stainless Steel, Add</i>	82.98	
			<i>For 316 Stainless Steel, Add</i>	363.06	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	674.24	
			<i>For 304 Stainless Steel, Add</i>	107.88	
			<i>For 316 Stainless Steel, Add</i>	471.97	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	881.70	
			<i>For 304 Stainless Steel, Add</i>	141.07	
			<i>For 316 Stainless Steel, Add</i>	617.19	
08 33 23 13-0332	EA		Through Wall Brake Release	136.28	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	14,885.26	
			<i>For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct</i>	-6,200.00	
08 33 23 13-0334			High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13)</small>		
			<small>Note: Rytec® Powerhouse™, Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.</small>		
08 33 23 13-0335			High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0334)</small>		
08 33 23 13-0336			8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>		

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	22,488.08		709.22
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	22,683.66		729.32
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,033.30		749.41
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,382.96		769.51
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,733.93		789.59
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,083.57		809.69
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,277.83		829.79
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,631.76		851.37
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,294.95		873.50
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,495.77		896.20
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,007.21		919.51
08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)					
<small>(08 33 23 13-0335)</small>					
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	22,683.66		729.32
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	22,877.91		749.41
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,228.89		769.51
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,733.93		789.59
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,928.18		809.69
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,277.83		829.79
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,628.80		849.88
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,985.49		873.50
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,805.23		896.20
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,627.44		919.51
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,449.57		943.41
08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)					
<small>(08 33 23 13-0335)</small>					
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,807.61		749.41
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,003.20		769.51
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,352.85		789.59
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,857.88		809.69
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,207.53		829.79
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,558.50		849.88
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,908.15		869.98
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,424.59		895.77
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,090.09		919.06
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,067.57		942.95
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,892.24		967.47
08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)					
<small>(08 33 23 13-0335)</small>					
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	23,847.81		769.51
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,197.46		789.59
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,548.42		809.69
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,053.46		829.79
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,403.11		849.88
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,752.76		869.98
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,568.57		890.07
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,552.79		917.99
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,530.22		941.85
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,508.90		966.34
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,333.45		991.46
08 33 23 13-0384 12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)					
<small>(08 33 23 13-0335)</small>					
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,043.39		789.59
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,393.03		809.69
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,742.68		829.79
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,247.72		849.88
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,752.76		869.98
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,722.65		890.07
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,692.53		910.16
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,682.30		940.20
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,814.96		964.65
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,794.82		989.73
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,775.98		1,015.46
08 33 23 13-0396 13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)					
<small>(08 33 23 13-0335)</small>					
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,393.03		809.69
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,588.61		829.79
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	24,938.26		849.88
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	25,598.69		869.98
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	26,722.65		890.07
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,847.92		910.16
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,817.81		930.26
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,966.03		962.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		31,101.17	987.50
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		32,236.28	1,013.19
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,218.66	1,039.52

08 33 23 13-0408 14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		24,588.61	829.79
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		24,782.87	849.88
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		25,287.91	869.98
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,257.80	890.07
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		27,692.53	910.16
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		28,817.81	930.26
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		30,097.15	950.35
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		31,249.65	984.72
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		32,385.93	1,010.32
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,522.25	1,036.58
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		34,816.62	1,063.54

08 33 23 13-0420 15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		25,556.48	848.87
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		25,907.06	869.43
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,413.02	889.98
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		27,073.06	910.54
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		28,664.10	931.10
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		29,944.37	951.65
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		31,224.65	972.22
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		32,380.04	1,007.37
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,671.58	1,033.55
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		34,964.47	1,060.44
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		36,258.78	1,088.00

08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		25,749.61	868.40
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,256.51	889.43
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,763.43	910.45
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		28,044.63	931.48
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		29,790.70	952.51
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		31,073.24	973.55
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		32,354.45	994.57
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,665.53	1,030.53
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		34,958.27	1,057.33
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		36,252.42	1,084.82
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		37,703.38	1,113.03

08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,100.32	888.37
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,452.81	909.88
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		27,734.98	931.40
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		29,017.17	952.91
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		30,764.21	974.42
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		32,201.78	995.94
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,483.97	1,017.45
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		34,952.10	1,054.24
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		36,246.08	1,081.64
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		37,696.88	1,109.77
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		39,149.12	1,138.63

08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,450.65	908.80
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		26,804.13	930.81
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		28,552.14	952.82
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		29,990.71	974.82
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		31,738.74	996.84
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		33,177.29	1,018.84
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		34,771.25	1,040.85
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		36,239.75	1,078.48
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		37,690.38	1,106.53
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		39,142.46	1,135.30
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)		40,596.05	1,164.81

08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,111.38		929.70
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	27,621.25		952.22
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,525.67		974.73
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,965.25		997.25
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,869.67		1,019.76
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,309.25		1,042.28
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,902.90		1,064.79
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,374.45		1,103.29
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,980.44		1,131.97
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,433.84		1,161.41
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,044.17		1,191.61
08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>					
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,083.83		951.09
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,594.75		974.12
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,344.82		997.16
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,940.83		1,020.18
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,846.28		1,043.22
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,440.97		1,066.24
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,036.97		1,089.28
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,664.35		1,128.67
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,272.98		1,158.01
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,881.81		1,188.11
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,492.22		1,219.01
08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>					
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,282.98		972.96
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,724.65		996.52
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,166.33		1,020.08
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,917.44		1,043.64
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,823.96		1,067.21
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,575.10		1,090.77
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,170.84		1,114.33
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,955.43		1,154.63
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,565.41		1,184.65
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,175.63		1,215.45
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,942.83		1,247.05
08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>					
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	28,637.19		995.34
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,924.55		1,019.45
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,142.93		1,043.54
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,895.15		1,067.65
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,956.83		1,091.75
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,709.04		1,115.86
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,307.18		1,139.96
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,093.63		1,181.18
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,859.06		1,211.89
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,626.08		1,243.40
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,394.74		1,275.73
08 33 23 13-0516 23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>					
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	29,768.07		1,018.23
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,901.15		1,042.90
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	32,965.24		1,067.55
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	34,873.96		1,092.21
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	36,936.75		1,116.87
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,690.06		1,141.52
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,598.79		1,166.19
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,387.13		1,208.35
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,153.97		1,239.77
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,077.83		1,272.00
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,847.98		1,305.07
08 33 23 13-0528 24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) <small>(08 33 23 13-0335)</small>					
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	30,744.61		1,041.65
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	31,569.37		1,066.88
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	33,944.06		1,092.11
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	35,698.51		1,117.33
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,917.82		1,142.55
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,827.67		1,167.77
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,736.20		1,193.00
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,681.87		1,236.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,450.15	1,268.28
08 33 23	13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,375.50	1,301.26
08 33 23	13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,302.57	1,335.09
08 33 23 13-0540 Rytec® Powerhouse™ Door Options (08 33 23 13-0334)					
08 33 23	13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,014.78	
08 33 23	13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,054.29	
08 33 23	13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,093.80	
08 33 23	13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,133.30	
08 33 23	13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,172.81	
08 33 23	13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,212.31	
08 33 23	13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,251.82	
08 33 23	13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,291.32	
08 33 23	13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,330.83	
08 33 23	13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,370.33	
08 33 23	13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,409.84	
08 33 23	13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,449.35	
08 33 23	13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,488.85	
08 33 23	13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,528.36	
08 33 23	13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,567.86	
08 33 23	13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,607.37	
08 33 23	13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,646.87	
08 33 23	13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	460.90	
08 33 23	13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,132.49	
Note: Includes System 4 Controller In NEMA 4 Enclosure					
08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13)					
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.					
08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)					
08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)					
08 33 23	13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,174.10	945.63
08 33 23	13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,873.94	965.72
08 33 23	13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,573.77	985.82
08 33 23	13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,274.83	1,005.90
08 33 23	13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,974.67	1,026.00
08 33 23	13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,674.49	1,046.10
08 33 23	13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,692.40	1,066.19
08 33 23	13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	30,388.60	1,087.52
08 33 23	13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,085.27	1,109.26
08 33 23	13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,782.80	1,131.45
08 33 23	13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,481.20	1,154.08
08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)					
08 33 23	13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,873.94	965.72
08 33 23	13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,573.77	985.82
08 33 23	13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,274.83	1,005.90
08 33 23	13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,974.67	1,026.00
08 33 23	13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,674.49	1,046.10
08 33 23	13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,374.33	1,066.19
08 33 23	13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	30,392.24	1,086.29
08 33 23	13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,078.46	1,108.01
08 33 23	13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,788.13	1,130.18
08 33 23	13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,486.50	1,152.78
08 33 23	13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,185.76	1,175.83
08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)					
08 33 23	13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,573.77	985.82
08 33 23	13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,274.83	1,005.90
08 33 23	13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,974.67	1,026.00
08 33 23	13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,674.49	1,046.10
08 33 23	13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,374.33	1,066.19
08 33 23	13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,074.17	1,086.29
08 33 23	13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,092.07	1,106.38
08 33 23	13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,790.07	1,128.51
08 33 23	13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,488.37	1,151.08
08 33 23	13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,187.57	1,174.11
08 33 23	13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,887.70	1,197.58
08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)					
08 33 23	13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,274.83	1,005.90

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,974.67	1,026.00
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,674.49	1,046.10
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,374.33	1,066.19
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,074.17	1,086.29
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,774.00	1,106.38
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,790.69	1,126.48
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,491.74	1,149.01
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,191.54	1,171.98
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,891.48	1,195.42
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,590.93	1,219.34

08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0601)

08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,974.67	1,026.00
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,674.49	1,046.10
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,374.33	1,066.19
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,074.17	1,086.29
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,774.00	1,106.38
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,473.83	1,126.48
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,491.74	1,146.57
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,191.54	1,169.50
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,891.48	1,192.89
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,592.36	1,216.75
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,295.50	1,241.09

08 33 23 13-0622 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0601)

08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,674.49	1,046.10
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,374.33	1,066.19
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,074.17	1,086.29
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,774.00	1,106.38
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,473.83	1,126.48
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,173.67	1,146.57
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,191.59	1,166.66
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,892.28	1,190.00
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,593.03	1,213.79
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,294.75	1,238.08
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,997.43	1,262.83

08 33 23 13-0634 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0601)

08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,692.40	1,066.19
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,392.24	1,086.29
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,092.07	1,106.38
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,790.69	1,126.48
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,491.74	1,146.57
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,191.59	1,166.66
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,895.32	1,186.76
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,586.43	1,210.49
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,288.00	1,234.71
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,990.55	1,259.40
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,694.10	1,284.58

08 33 23 13-0646 15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0601)

08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,388.60	1,087.52
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,090.66	1,108.01
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,790.07	1,128.51
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,490.81	1,149.01
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,191.54	1,169.50
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,892.28	1,190.00
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,586.43	1,210.49
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,288.00	1,234.71
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,990.55	1,259.40
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,694.10	1,284.58
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,398.64	1,310.28

08 33 23 13-0658 16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0601)

08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,085.27	1,109.26
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,788.13	1,130.18
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,488.37	1,151.08
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,189.93	1,171.98
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,891.48	1,192.89
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,593.03	1,213.79
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,288.00	1,234.71
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,990.55	1,259.40
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	36,694.10	1,284.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0668	EA		16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,398.64	1,310.28
08 33 23 13-0669	EA		16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,105.52	1,336.48
08 33 23 13-0670 17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)					
08 33 23 13-0671	EA		17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	31,782.80	1,131.45
08 33 23 13-0672	EA		17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,486.50	1,152.78
08 33 23 13-0673	EA		17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,187.57	1,174.11
08 33 23 13-0674	EA		17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,889.97	1,195.42
08 33 23 13-0675	EA		17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,592.36	1,216.75
08 33 23 13-0676	EA		17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,294.75	1,238.08
08 33 23 13-0677	EA		17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,996.55	1,259.40
08 33 23 13-0678	EA		17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,694.10	1,284.58
08 33 23 13-0679	EA		17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,398.64	1,310.28
08 33 23 13-0680	EA		17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,105.52	1,336.48
08 33 23 13-0681	EA		17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,812.14	1,363.21
08 33 23 13-0682 18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)					
08 33 23 13-0683	EA		18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,627.38	1,154.08
08 33 23 13-0684	EA		18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,330.62	1,175.83
08 33 23 13-0685	EA		18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,033.87	1,197.58
08 33 23 13-0686	EA		18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,735.79	1,219.34
08 33 23 13-0687	EA		18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,440.36	1,241.09
08 33 23 13-0688	EA		18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,142.28	1,262.83
08 33 23 13-0689	EA		18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,840.27	1,284.58
08 33 23 13-0690	EA		18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,544.81	1,310.28
08 33 23 13-0691	EA		18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,250.38	1,336.48
08 33 23 13-0692	EA		18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,957.00	1,363.21
08 33 23 13-0693	EA		18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,664.69	1,390.48
08 33 23 13-0694 19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)					
08 33 23 13-0695	EA		19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,543.97	1,177.17
08 33 23 13-0696	EA		19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,249.40	1,199.35
08 33 23 13-0697	EA		19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,952.21	1,221.54
08 33 23 13-0698	EA		19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,656.33	1,243.71
08 33 23 13-0699	EA		19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,360.45	1,265.91
08 33 23 13-0700	EA		19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,064.55	1,288.09
08 33 23 13-0701	EA		19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,762.09	1,310.28
08 33 23 13-0702	EA		19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,467.66	1,336.48
08 33 23 13-0703	EA		19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,174.28	1,363.21
08 33 23 13-0704	EA		19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,881.97	1,390.48
08 33 23 13-0705	EA		19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,592.06	1,418.29
08 33 23 13-0706 20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0661)					
08 33 23 13-0707	EA		20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,679.79	1,200.95
08 33 23 13-0708	EA		20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,386.55	1,223.01
08 33 23 13-0709	EA		20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,089.90	1,245.87
08 33 23 13-0710	EA		20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,795.35	1,268.72
08 33 23 13-0711	EA		20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,500.00	1,291.57
08 33 23 13-0712	EA		20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,204.67	1,313.63
08 33 23 13-0713	EA		20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,903.54	1,336.48
08 33 23 13-0714	EA		20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,610.28	1,363.28
08 33 23 13-0715	EA		20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,317.80	1,390.86
08 33 23 13-0716	EA		20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,026.92	1,418.44
08 33 23 13-0717	EA		20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,736.81	1,446.81
08 33 23 13-0718 Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0560)					
08 33 23 13-0719 8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)					
08 33 23 13-0720	EA		8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,344.77	630.42
08 33 23 13-0721	EA		8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,880.01	643.81
08 33 23 13-0722	EA		8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,415.26	657.21
08 33 23 13-0723	EA		8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,948.07	670.60
08 33 23 13-0724	EA		8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	26,483.32	684.00
08 33 23 13-0725	EA		8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	27,018.56	697.39
08 33 23 13-0726	EA		8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	32,635.87	710.79
08 33 23 13-0727 9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)					
08 33 23 13-0728	EA		9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	24,880.01	643.81
08 33 23 13-0729	EA		9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,415.26	657.21
08 33 23 13-0730	EA		9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	25,948.07	670.60

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	26,483.32	684.00
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,018.56	697.39
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,553.80	710.79
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	33,171.12	724.20
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	25,415.26	657.21
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	25,948.07	670.60
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	26,483.32	684.00
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,018.56	697.39
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,553.80	710.79
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,089.04	724.20
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	33,706.36	737.59
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	25,948.07	670.60
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	26,483.32	684.00
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,018.56	697.39
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,553.80	710.79
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,089.04	724.20
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,624.28	737.59
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	34,239.16	750.99
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	26,483.32	684.00
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,018.56	697.39
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,553.80	710.79
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,089.04	724.20
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,624.28	737.59
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	29,159.52	750.99
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	34,774.42	764.38
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,018.56	697.39
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	27,553.80	710.79
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,089.04	724.20
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	28,624.28	737.59
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	29,159.52	750.99
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	29,694.78	764.38
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	35,309.66	777.78
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)			
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	32,635.87	710.79
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	33,171.12	724.20
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	33,706.36	737.59
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	34,239.16	750.99
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	34,774.42	764.38
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	35,309.66	777.78
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	.....	35,844.90	791.17
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)			
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	22,602.38	630.42
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	23,137.62	643.81
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	23,672.87	657.21
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	24,206.90	670.60
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	24,742.14	684.00
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	25,269.08	693.85
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	28,954.82	697.39
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)			
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	23,137.62	643.81
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	23,672.87	657.21
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	24,206.90	670.60
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	24,742.14	684.00
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	.....	25,276.17	697.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0790	EA		9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,801.17	705.67
08 33 23 13-0791	EA		9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,663.54	710.79
08 33 23 13-0792			10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0793	EA		10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,672.87	657.21
08 33 23 13-0794	EA		10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,206.90	670.60
08 33 23 13-0795	EA		10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,742.14	684.00
08 33 23 13-0796	EA		10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,276.17	697.39
08 33 23 13-0797	EA		10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,811.41	710.79
08 33 23 13-0798	EA		10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,339.56	720.64
08 33 23 13-0799	EA		10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,349.97	724.20
08 33 23 13-0800			11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0801	EA		11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,206.90	670.60
08 33 23 13-0802	EA		11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,742.14	684.00
08 33 23 13-0803	EA		11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,276.17	697.39
08 33 23 13-0804	EA		11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,811.41	710.79
08 33 23 13-0805	EA		11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,346.65	724.20
08 33 23 13-0806	EA		11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,874.80	734.04
08 33 23 13-0807	EA		11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,036.41	737.59
08 33 23 13-0808			12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0809	EA		12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,742.14	684.00
08 33 23 13-0810	EA		12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,276.17	697.39
08 33 23 13-0811	EA		12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,811.41	710.79
08 33 23 13-0812	EA		12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,346.65	724.20
08 33 23 13-0813	EA		12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,881.89	737.59
08 33 23 13-0814	EA		12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,408.47	746.65
08 33 23 13-0815	EA		12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,722.84	750.99
08 33 23 13-0816			13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0817	EA		13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,276.17	697.39
08 33 23 13-0818	EA		13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,811.41	710.79
08 33 23 13-0819	EA		13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,346.65	724.20
08 33 23 13-0820	EA		13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,881.89	737.59
08 33 23 13-0821	EA		13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,417.13	750.99
08 33 23 13-0822	EA		13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,944.50	760.44
08 33 23 13-0823	EA		13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,409.30	764.38
08 33 23 13-0824			14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0825	EA		14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,981.61	710.79
08 33 23 13-0826	EA		14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,668.04	724.20
08 33 23 13-0827	EA		14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,354.48	737.59
08 33 23 13-0828	EA		14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,039.70	750.99
08 33 23 13-0829	EA		14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,727.37	764.38
08 33 23 13-0830	EA		14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,406.71	774.23
08 33 23 13-0831	EA		14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,413.81	777.78
08 33 23 13-0832			Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)		
08 33 23 13-0833			8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0834	EA		8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,344.84	630.42
08 33 23 13-0835	EA		8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,026.10	643.81
08 33 23 13-0836	EA		8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,706.06	657.21
08 33 23 13-0837	EA		8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,748.16	670.60
08 33 23 13-0838	EA		8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,791.56	684.00
08 33 23 13-0839	EA		8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,834.96	697.39
08 33 23 13-0840	EA		8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,878.36	710.79
08 33 23 13-0841			9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0842	EA		9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,026.10	643.81
08 33 23 13-0843	EA		9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,706.06	657.21
08 33 23 13-0844	EA		9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,386.02	670.60
08 33 23 13-0845	EA		9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,429.42	684.00
08 33 23 13-0846	EA		9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,471.50	697.39
08 33 23 13-0847	EA		9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,514.90	710.79
08 33 23 13-0848	EA		9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,564.89	724.20

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0849			10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0850	EA		10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,706.06	657.21
08 33 23 13-0851	EA		10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,386.02	670.60
08 33 23 13-0852	EA		10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,065.97	684.00
08 33 23 13-0853	EA		10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,109.37	697.39
08 33 23 13-0854	EA		10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,151.45	710.79
08 33 23 13-0855	EA		10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,194.85	724.20
08 33 23 13-0856	EA		10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,251.42	737.59
08 33 23 13-0857			11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0858	EA		11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,386.02	670.60
08 33 23 13-0859	EA		11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,065.97	684.00
08 33 23 13-0860	EA		11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,745.92	697.39
08 33 23 13-0861	EA		11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,789.32	710.79
08 33 23 13-0862	EA		11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,832.72	724.20
08 33 23 13-0863	EA		11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,874.80	737.59
08 33 23 13-0864	EA		11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,936.64	750.99
08 33 23 13-0865			12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0866	EA		12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,065.97	684.00
08 33 23 13-0867	EA		12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,745.92	697.39
08 33 23 13-0868	EA		12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,425.87	710.79
08 33 23 13-0869	EA		12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,469.27	724.20
08 33 23 13-0870	EA		12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,512.67	737.59
08 33 23 13-0871	EA		12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,554.75	750.99
08 33 23 13-0872	EA		12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,624.51	764.38
08 33 23 13-0873			13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0874	EA		13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,745.92	697.39
08 33 23 13-0875	EA		13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,425.87	710.79
08 33 23 13-0876	EA		13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,105.82	724.20
08 33 23 13-0877	EA		13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,149.22	737.59
08 33 23 13-0878	EA		13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,192.62	750.99
08 33 23 13-0879	EA		13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,236.04	764.38
08 33 23 13-0880	EA		13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,311.04	777.78
08 33 23 13-0881			14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0882	EA		14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,425.87	710.79
08 33 23 13-0883	EA		14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,105.82	724.20
08 33 23 13-0884	EA		14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,785.77	737.59
08 33 23 13-0885	EA		14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,829.17	750.99
08 33 23 13-0886	EA		14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	37,872.59	764.38
08 33 23 13-0887	EA		14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	38,915.99	777.78
08 33 23 13-0888	EA		14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	39,990.99	791.17
08 33 23 13-0889			Rytec® Spiral® Door Options (08 33 23 13-0560)		
08 33 23 13-0890	EA		Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors 396.28		
			Note: Per door price.		
08 33 23 13-0891	EA		Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors 268.25		
			Note: Maximum of 4 per door.		
08 33 23 13-0892	EA		>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors 396.28		
			Note: Maximum of 4 per door.		
08 33 23 13-0893	EA		Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors 268.25		
			Note: Maximum of 4 per door.		
08 33 23 13-0894	EA		>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors 396.28		
			Note: Maximum of 4 per door.		
08 33 23 13-0895	EA		Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors 737.23		39.40
08 33 23 13-0896	EA		Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors 2,132.89		78.80
08 33 23 13-0897	EA		>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors 3,846.02		78.80
08 33 23 13-0898	EA		>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors 4,376.42		78.80
08 33 23 13-0899	EA		Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors 460.90		
08 33 23 13-0900			Activation And Control Box Options For High Speed Doors (08 33 23 13)		
08 33 23 13-0901	EA		Pull Cord For High-Speed Rolling Doors 176.34		39.40
08 33 23 13-0902	EA		Emergency Stop, Pushbutton Control For High-Speed Rolling Doors 136.94		19.70
08 33 23 13-0903	EA		NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors 173.52		19.70
08 33 23 13-0904	EA		On/Off Selector Switch, Remote Control For High-Speed Rolling Doors 118.66		19.70
08 33 23 13-0905	EA		On/Off Key Switch, Remote Control For High-Speed Rolling Doors 185.72		19.70
08 33 23 13-0906	EA		Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors 307.65		19.70
08 33 23 13-0907	EA		Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors 338.13		19.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0908	EA		Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	514.48	35.47
08 33 23 13-0909	EA		Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	672.09	
08 33 23 13-0910	EA		Reflective Type Photo Eye For High-Speed Rolling Doors.....	440.96	35.47
08 33 23 13-0911	EA		Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	581.54	35.47
08 33 23 13-0912	EA		Motion Detector For High-Speed Rolling Doors.....	510.62	23.64
08 33 23 13-0913	EA		Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	347.05	39.40
08 33 23 13-0914	EA		Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	475.08	39.40
08 33 23 13-0915	EA		Remote Warning Horn And Strobe Light For High-Speed Rolling Doors..... Note: Includes wall box and mounting hardware.	542.14	39.40
08 33 23 13-0916	EA		Red And Green Red Light For High-Speed Rolling Doors..... Note: Includes mounting hardware.	676.26	39.40

08 33 26 Overhead Coiling Grilles (08 33)

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
 Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0808 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)

08 33 26 00-0002	EA		4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,197.28 255.47 176.83 239.36	173.08
08 33 26 00-0003	EA		6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,501.18 301.06 265.25 324.17	173.08
08 33 26 00-0004	EA		8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,006.19 358.11 353.66 408.98	216.35
08 33 26 00-0005	EA		12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,444.45 423.85 436.11 578.59	216.35
08 33 26 00-0006	EA		16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,718.42 559.17 707.31 815.95	346.17
08 33 26 00-0007	EA		20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,863.73 694.49 884.14 1,053.29	432.70
08 33 26 00-0008	EA		24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,403.60 888.18 1,060.97 1,184.82	519.24
08 33 26 00-0009	EA		30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,026.35 1,082.83 1,228.84 1,292.21	634.63
08 33 26 00-0010	EA		4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,417.55 288.51 221.03 284.37	173.08
08 33 26 00-0011	EA		6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,820.30 348.93 331.54 403.82	173.08
08 33 26 00-0012	EA		8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,360.31 411.51 442.08 523.27	216.35
08 33 26 00-0013	EA		12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,909.17 493.84 663.11 762.17	216.35
08 33 26 00-0014	EA		16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,328.44 650.67 884.14 1,050.93	346.17
08 33 26 00-0015	EA		20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,617.19 807.50 1,105.17 1,339.68	432.70
08 33 26 00-0016	EA		24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,313.94 1,024.73 1,326.37 1,551.46	519.24
08 33 26 00-0017	EA		30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,432.01 1,293.68 1,552.99 1,737.98	634.63
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,669.78 326.35 265.25 328.72	173.08

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,742.80	173.08
		<i>For Lexan Lattice Pattern, Add</i>	337.30	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	397.86	
		<i>For Staggered Brick Pattern, Add</i>	482.13	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,337.76	216.35
		<i>For Lexan Lattice Pattern, Add</i>	407.85	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.47	
		<i>For Staggered Brick Pattern, Add</i>	635.54	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,435.31	216.35
		<i>For Lexan Lattice Pattern, Add</i>	572.48	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	795.70	
		<i>For Staggered Brick Pattern, Add</i>	942.37	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,190.77	346.17
		<i>For Lexan Lattice Pattern, Add</i>	780.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,060.96	
		<i>For Staggered Brick Pattern, Add</i>	1,310.17	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,817.57	432.70
		<i>For Lexan Lattice Pattern, Add</i>	987.56	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,326.20	
		<i>For Staggered Brick Pattern, Add</i>	1,677.96	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,480.50	519.24
		<i>For Lexan Lattice Pattern, Add</i>	1,199.72	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,591.45	
		<i>For Staggered Brick Pattern, Add</i>	1,774.22	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	11,820.82	634.63
		<i>For Lexan Lattice Pattern, Add</i>	1,502.00	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,844.26	
		<i>For Staggered Brick Pattern, Add</i>	1,933.03	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,120.93	173.08
		<i>For Lexan Lattice Pattern, Add</i>	394.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	309.33	
		<i>For Staggered Brick Pattern, Add</i>	608.01	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,613.49	173.08
		<i>For Lexan Lattice Pattern, Add</i>	467.90	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	464.09	
		<i>For Staggered Brick Pattern, Add</i>	746.55	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,234.27	216.35
		<i>For Lexan Lattice Pattern, Add</i>	542.60	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	618.84	
		<i>For Staggered Brick Pattern, Add</i>	869.30	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,268.98	216.35
		<i>For Lexan Lattice Pattern, Add</i>	697.81	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	928.34	
		<i>For Staggered Brick Pattern, Add</i>	1,102.34	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,051.15	346.17
		<i>For Lexan Lattice Pattern, Add</i>	909.08	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,237.80	
		<i>For Staggered Brick Pattern, Add</i>	1,474.73	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,702.84	432.70
		<i>For Lexan Lattice Pattern, Add</i>	1,120.35	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,547.24	
		<i>For Staggered Brick Pattern, Add</i>	1,847.12	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,399.63	519.24
		<i>For Lexan Lattice Pattern, Add</i>	1,337.59	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,856.69	
		<i>For Staggered Brick Pattern, Add</i>	2,094.84	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	13,318.19	634.63
		<i>For Lexan Lattice Pattern, Add</i>	1,726.61	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,191.84	
		<i>For Staggered Brick Pattern, Add</i>	2,393.45	

08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports.....	88.41	
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08 33 36 Side Coiling Grilles (08 33)**08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)**

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	3,641.18	483.97
		<i>For Lexan Lattice Pattern, Add</i>	338.74	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	530.48	
		<i>For Staggered Brick Pattern, Add</i>	578.59	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	5,092.05	621.69
		<i>For Lexan Lattice Pattern, Add</i>	497.36	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	813.71	
		<i>For Staggered Brick Pattern, Add</i>	926.71	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	6,594.70	783.89
		<i>For Lexan Lattice Pattern, Add</i>	653.25	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,060.97	
		<i>For Staggered Brick Pattern, Add</i>	1,184.82	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated.....	7,917.37	865.41
		<i>For Lexan Lattice Pattern, Add</i>	816.57	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,228.84	
		<i>For Staggered Brick Pattern, Add</i>	1,292.21	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated.....	4,397.37	551.80
		<i>For Lexan Lattice Pattern, Add</i>	423.13	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	663.11	
		<i>For Staggered Brick Pattern, Add</i>	762.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,173.24 622.08 976.59 1,157.34	708.73
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,898.09 801.72 1,326.37 1,551.46	893.35
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,633.11 1,020.41 1,552.99 1,737.98	986.56
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,162.33 507.91 795.70 942.37	621.69
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,258.14 745.31 1,174.86 1,436.87	798.49
08 33 36 00-0012	EA		24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,394.35 979.88 1,591.45 1,774.22	1,006.76
08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,340.56 1,224.85 1,844.26 1,933.03	1,110.61
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,921.50 593.87 928.34 1,102.34	687.38
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,343.94 870.02 1,342.72 1,596.46	882.72
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,791.31 1,143.20 1,856.69 2,094.84	1,112.91
08 33 36 00-0017	EA		30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,031.89 1,428.25 2,191.84 2,393.45	1,228.88

08 34 Special Function Doors (08 30)

08 34 23 Sidewalk and Basement Doors (08 34)

08 34 23 00-0001 Drainage Doors (08 34 23)

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,006.54	140.35
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,243.48	146.65
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,321.77	149.80
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,460.32	152.95
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,706.28	160.84
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,740.93	157.13
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,940.44	160.84
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,026.25	164.54
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,225.79	168.24
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,587.87	177.69

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,075.43	157.13
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,178.96	168.24
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,769.31	187.16
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,849.60	187.16

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,628.73	140.35
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,905.81	146.65
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,077.80	149.80
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,356.82	152.95
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,729.91	160.84

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,731.07	157.13
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,664.18	168.24
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,224.62	187.16
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	4,916.87	187.16

08 Openings
08 30 Specialty Doors and Frames
08 34 Special Function Doors

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)			
Note: Bilco - J Series.			
08 34 23 00-0030	EA 2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,465.61	140.35
08 34 23 00-0031	EA 2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,540.16	146.65
08 34 23 00-0032	EA 3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,721.52	149.80
08 34 23 00-0033	EA 3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	1,912.21	152.95
08 34 23 00-0034	EA 3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,230.85	160.84
08 34 23 00-0035	EA 2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,123.07	157.13
08 34 23 00-0036	EA 3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,426.10	160.84
08 34 23 00-0037	EA 2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,413.04	164.54
08 34 23 00-0038	EA 3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,697.49	168.24
08 34 23 00-0039	EA 3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,879.04	177.69
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)			
Note: Bilco - JD Series.			
08 34 23 00-0041	EA 4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,625.15	157.13
08 34 23 00-0042	EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,753.27	168.24
08 34 23 00-0043	EA 4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,441.80	187.16
08 34 23 00-0044	EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,544.07	187.16
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)			
Note: Bilco - J H2O Series.			
08 34 23 00-0046	EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,544.15	140.35
08 34 23 00-0047	EA 2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,693.08	146.65
08 34 23 00-0048	EA 3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,790.79	149.80
08 34 23 00-0049	EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,297.60	152.95
08 34 23 00-0050	EA 3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,895.18	160.84
08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)			
Note: Bilco - JD H2O Series.			
08 34 23 00-0052	EA 4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,298.75	157.13
08 34 23 00-0053	EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,808.08	168.24
08 34 23 00-0054	EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	7,170.19	187.16
08 34 23 00-0055	EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,984.24	187.16
08 34 23 00-0056 Single Leaf Aluminum Drainage Door (08 34 23 00-0001)			
Note: Bilco - J-R (Odor Resistant).			
08 34 23 00-0057	EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,839.36	140.35
08 34 23 00-0058	EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,207.04	146.65
08 34 23 00-0059	EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,347.70	149.80
08 34 23 00-0060	EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,491.02	152.95
08 34 23 00-0061	EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,832.28	160.84
08 34 23 00-0062 Non-Drainage Doors (08 34 23)			
08 34 23 00-0063 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
Note: Bilco - Q Series.			
08 34 23 00-0064	EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	966.46	140.35
08 34 23 00-0065	EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,176.58	146.65
08 34 23 00-0066	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,261.61	149.80
08 34 23 00-0067	EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,313.15	152.95
08 34 23 00-0068	EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,659.45	160.84
08 34 23 00-0069	EA 2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,493.41	157.13
08 34 23 00-0070	EA 3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,672.83	160.84
08 34 23 00-0071	EA 2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,878.98	164.54
08 34 23 00-0072	EA 3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,991.70	168.24
08 34 23 00-0073	EA 3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,266.95	177.69
08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
Note: Bilco - K Series.			
08 34 23 00-0075	EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	785.83	140.35
08 34 23 00-0076	EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	949.11	146.65
08 34 23 00-0077	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,054.21	149.80
08 34 23 00-0078	EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,125.83	152.95
08 34 23 00-0079	EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,311.56	160.84
08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
Note: Bilco - QD Series.			
08 34 23 00-0081	EA 4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,908.20	157.13
08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)			
Note: Bilco - KD Series.			
08 34 23 00-0083	EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,824.45	168.24
08 34 23 00-0084	EA 4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,575.38	187.16
08 34 23 00-0085	EA 5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,628.90	187.16

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 23 00-0086	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA 2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	866.11	140.35
08 34 23 00-0088	EA 2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,016.01	146.65
08 34 23 00-0089	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,087.67	149.80
08 34 23 00-0090	EA 3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,192.73	152.95
08 34 23 00-0091	EA 3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,398.53	160.84

08 34 23 00-0092	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA 4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	1,938.18	168.24
08 34 23 00-0094	EA 4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	2,715.87	187.16
08 34 23 00-0095	EA 5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....	2,756.01	187.16

08 34 23 00-0096	Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097	EA 2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	982.18	140.35
08 34 23 00-0098	EA 2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,103.17	146.65
08 34 23 00-0099	EA 3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,247.38	149.80
08 34 23 00-0100	EA 3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,326.47	152.95
08 34 23 00-0101	EA 2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,521.73	152.95

08 34 23 00-0102	Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0103	EA 4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	2,039.39	157.13

08 34 23 00-0104	Basement Doors (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105	EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,309.99	177.30
08 34 23 00-0106	EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	1,114.81	134.36
08 34 23 00-0107	EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,154.62	147.75
08 34 23 00-0108	EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....	1,233.86	157.61
08 34 23 00-0109	EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....	1,364.36	177.30

08 34 49 Radiation Shielding Doors and Frames (08 34)

08 34 49 13 Neutron Shielding Doors and Frames (08 34 49)

08 34 49 13-0001	Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002	SF 1/16" Thick Laminated Lead In Wood Door.....	103.03	7.88
08 34 49 13-0003	SF 1/8" Thick Laminated Lead In Wood Door.....	128.03	7.88
08 34 49 13-0004	LF 1/16" Thick Lead Lined Door Frame.....	113.80	7.88
08 34 49 13-0005	LF 1/8" Thick Lead Lined Door Frame.....	122.13	7.88

08 34 53 Security Doors and Frames (08 34)

08 34 53 00-0001	Metal Security Doors (08 34 53) Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	867.43	61.81
08 34 53 00-0003	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	867.43	61.81
08 34 53 00-0004	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,239.34	61.81

08 34 56 Security Gates (08 34)

08 34 56 00-0001	Pivoting Double Folding Gate (08 34 56) Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	914.34	150.34
08 34 56 00-0003	EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,026.30	169.14
08 34 56 00-0004	EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,101.08	187.93
08 34 56 00-0005	EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,213.03	206.72
08 34 56 00-0006	EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,048.16	152.22
08 34 56 00-0007	EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,123.09	171.02
08 34 56 00-0008	EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,231.25	189.81
08 34 56 00-0009	EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,310.20	208.60
08 34 56 00-0010	EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,107.69	154.10
08 34 56 00-0011	EA 12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,182.42	172.90
08 34 56 00-0012	EA 12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,247.75	182.29
08 34 56 00-0013	EA 12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,313.30	191.69
08 34 56 00-0014	EA 12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,397.39	210.48
08 34 56 00-0015	EA 14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,223.09	155.98
08 34 56 00-0016	EA 14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,297.60	174.77
08 34 56 00-0017	EA 14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,372.19	184.17
08 34 56 00-0018	EA 14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,466.02	193.57
08 34 56 00-0019	EA 14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,596.22	212.36

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,398.08	159.74
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,494.86	180.41
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,610.34	191.69
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,678.21	197.33

08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	619.59	105.24
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	664.29	109.00
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	709.00	112.75
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	761.24	120.28
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	794.87	127.79
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	664.18	109.00
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	709.05	112.75
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	753.76	116.52
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	805.95	124.03
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	839.76	131.55
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	727.48	112.75
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	772.36	116.52
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	817.01	120.28
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	869.33	127.79
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	921.73	135.30

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	252.43	41.35
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	259.96	45.10
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	259.96	45.10
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	268.20	48.86
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	268.20	48.86
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	275.72	52.62
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	275.72	52.62
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	283.23	56.38
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	283.23	56.38
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	290.76	60.13
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	290.76	60.13

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	298.27	63.90
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	300.54	63.90
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	311.07	67.66
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	321.61	71.41
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	324.62	71.41
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	335.14	75.17
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	338.15	75.17
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	347.75	78.93
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	351.69	78.93

08 34 73 Sound Control Door Assemblies (08 34)**08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)****08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)**

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,222.79	47.28
		For 60 Minutes Fire Rated, Add	188.95	
		For 3" x 33" Vision Lite, Add	1,312.98	
		For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0004	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated).....	3,415.68	49.25
		For 60 Minutes Fire Rated, Add	188.95	
		For 3" x 33" Vision Lite, Add	1,312.98	
		For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0005	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	3,612.52	53.19
		For 60 Minutes Fire Rated, Add	188.95	
		For 3" x 33" Vision Lite, Add	1,312.98	
		For 20" x 64" Vision Lite, Add	1,405.04	
08 34 73 13-0006	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated).....	6,436.13	89.84
		For 1 Hour Fire Rated, Add	377.91	
		For 3" x 33" Windows, Add	2,625.97	
		For 20" x 64" Windows, Add	2,810.08	

08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)

08 34 73 13-0008	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,609.16	78.80
08 34 73 13-0009	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,678.60	78.80
08 34 73 13-0010	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,748.05	78.80
08 34 73 13-0011	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,817.49	78.80
08 34 73 13-0012	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,986.67	86.69
08 34 73 13-0013	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,064.19	86.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0014	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,133.63	86.69
08 34 73 13-0015	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,219.76	86.69
08 34 73 13-0016	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,374.08	90.62
08 34 73 13-0017	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,443.52	90.62
08 34 73 13-0018	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,512.97	90.62
08 34 73 13-0019	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,590.49	90.62
08 34 73 13-0020	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,015.61	102.44
08 34 73 13-0021	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,081.83	102.44
08 34 73 13-0022	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,152.89	102.44
08 34 73 13-0023	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,225.56	102.44

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001			Wood Acoustical Door Assembly (08 34 73 16) Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,154.78	141.84
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,366.02	141.84

08 36 Panel Doors (08 36)

08 36 13 Sectional Doors (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0808 for forklift.

08 36 13 00-0001			Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002			Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift.....	2,515.60	315.21
08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift.....	3,166.19	349.88
08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift.....	4,065.22	419.23
08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift.....	5,969.07	485.42
08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift.....	6,313.95	630.42
08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift.....	5,843.11	788.02
08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift.....	11,019.83	1,050.43

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,303.26	157.61
			<i>For Hardboard Face, Add</i>	115.00	
			<i>For Insulation, Add</i>	117.00	
			<i>For Motor Operator With Remote Controls, Add</i>	384.07	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,117.92	157.61
			<i>For Hardboard Face, Add</i>	115.00	
			<i>For Insulation, Add</i>	117.00	
			<i>For Motor Operator With Remote Controls, Add</i>	407.50	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) (08 36 13)

Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)

08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA		8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,441.37	275.81
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	129.02	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	222.44	
			<i>For Aluminum, Mill Finish, Add</i>	101.43	
			<i>For Aluminum, Anodized Finish, Add</i>	283.83	
08 36 13 00-0017	EA		8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,704.57	315.21
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	155.75	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	268.54	
			<i>For Aluminum, Mill Finish, Add</i>	122.45	
			<i>For Aluminum, Anodized Finish, Add</i>	342.65	
08 36 13 00-0018	EA		8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,101.32	394.01
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	190.43	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	328.33	
			<i>For Aluminum, Mill Finish, Add</i>	149.72	
			<i>For Aluminum, Anodized Finish, Add</i>	418.94	
08 36 13 00-0019	EA		10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,622.45	315.21
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	143.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	248.01	
			<i>For Aluminum, Mill Finish, Add</i>	113.09	
			<i>For Aluminum, Anodized Finish, Add</i>	316.46	
08 36 13 00-0020	EA		10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,996.15	394.01
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	175.18	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	302.03	
			<i>For Aluminum, Mill Finish, Add</i>	137.73	
			<i>For Aluminum, Anodized Finish, Add</i>	385.39	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0021	EA	10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,501.96	512.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	214.24	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.39	
		<i>For Aluminum, Mill Finish, Add</i>	168.44	
		<i>For Aluminum, Anodized Finish, Add</i>	471.34	
08 36 13 00-0022	EA	10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,942.95	630.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	243.91	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	420.53	
		<i>For Aluminum, Mill Finish, Add</i>	191.76	
		<i>For Aluminum, Anodized Finish, Add</i>	536.60	
08 36 13 00-0023	EA	12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,927.02	394.01
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	165.16	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	284.75	
		<i>For Aluminum, Mill Finish, Add</i>	129.85	
		<i>For Aluminum, Anodized Finish, Add</i>	363.34	
08 36 13 00-0024	EA	12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,398.24	512.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	199.20	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	343.46	
		<i>For Aluminum, Mill Finish, Add</i>	156.62	
		<i>For Aluminum, Anodized Finish, Add</i>	438.25	
08 36 13 00-0025	EA	12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,924.21	630.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	241.19	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	415.85	
		<i>For Aluminum, Mill Finish, Add</i>	189.63	
		<i>For Aluminum, Anodized Finish, Add</i>	530.62	
08 36 13 00-0026	EA	12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,447.32	748.62
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	282.76	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	487.52	
		<i>For Aluminum, Mill Finish, Add</i>	222.31	
		<i>For Aluminum, Anodized Finish, Add</i>	622.08	
08 36 13 00-0027	EA	12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,106.84	906.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	332.69	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	573.60	
		<i>For Aluminum, Mill Finish, Add</i>	261.56	
		<i>For Aluminum, Anodized Finish, Add</i>	731.91	
08 36 13 00-0028	EA	14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,261.38	512.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	179.36	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	309.24	
		<i>For Aluminum, Mill Finish, Add</i>	141.01	
		<i>For Aluminum, Anodized Finish, Add</i>	394.59	
08 36 13 00-0029	EA	14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,781.59	630.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	220.51	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	380.19	
		<i>For Aluminum, Mill Finish, Add</i>	173.37	
		<i>For Aluminum, Anodized Finish, Add</i>	485.12	
08 36 13 00-0030	EA	14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,426.72	788.02
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	268.35	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	462.67	
		<i>For Aluminum, Mill Finish, Add</i>	210.98	
		<i>For Aluminum, Anodized Finish, Add</i>	590.36	
08 36 13 00-0031	EA	14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,952.69	906.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	310.34	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	535.06	
		<i>For Aluminum, Mill Finish, Add</i>	243.99	
		<i>For Aluminum, Anodized Finish, Add</i>	682.74	
08 36 13 00-0032	EA	14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,555.02	1,024.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	363.39	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	626.54	
		<i>For Aluminum, Mill Finish, Add</i>	285.70	
		<i>For Aluminum, Anodized Finish, Add</i>	799.47	
08 36 13 00-0033	EA	16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,731.16	630.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	213.20	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	367.58	
		<i>For Aluminum, Mill Finish, Add</i>	167.62	
		<i>For Aluminum, Anodized Finish, Add</i>	469.04	
08 36 13 00-0034	EA	16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,373.41	788.02
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	260.62	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	449.34	
		<i>For Aluminum, Mill Finish, Add</i>	204.90	
		<i>For Aluminum, Anodized Finish, Add</i>	573.36	
08 36 13 00-0035	EA	16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,980.05	906.22
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	314.30	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	541.90	
		<i>For Aluminum, Mill Finish, Add</i>	247.11	
		<i>For Aluminum, Anodized Finish, Add</i>	691.47	
08 36 13 00-0036	EA	16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,771.12	1,024.42
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	394.73	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	680.57	
		<i>For Aluminum, Mill Finish, Add</i>	310.34	
		<i>For Aluminum, Anodized Finish, Add</i>	868.40	
08 36 13 00-0037	EA	16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,563.20	1,182.03
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	463.87	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	799.78	
		<i>For Aluminum, Mill Finish, Add</i>	364.70	
		<i>For Aluminum, Anodized Finish, Add</i>	1,020.52	
08 36 13 00-0038	EA	18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,484.36	788.02
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	276.70	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	477.08	
		<i>For Aluminum, Mill Finish, Add</i>	217.55	
		<i>For Aluminum, Anodized Finish, Add</i>	608.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,178.88	906.22
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	343.13	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	591.61	
			For Aluminum, Mill Finish, Add	269.77	
			For Aluminum, Anodized Finish, Add	754.89	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,088.06	1,024.42
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	440.69	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	759.80	
			For Aluminum, Mill Finish, Add	346.47	
			For Aluminum, Anodized Finish, Add	969.51	
08 36 13 00-0041	EA		18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,881.59	1,182.03
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	510.04	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	879.38	
			For Aluminum, Mill Finish, Add	401.00	
			For Aluminum, Anodized Finish, Add	1,122.09	
08 36 13 00-0042	EA		18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,764.43	1,339.64
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	592.35	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,021.29	
			For Aluminum, Mill Finish, Add	465.71	
			For Aluminum, Anodized Finish, Add	1,303.16	
08 36 13 00-0043	EA		20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,952.69	906.22
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	310.34	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	535.06	
			For Aluminum, Mill Finish, Add	243.99	
			For Aluminum, Anodized Finish, Add	682.74	
08 36 13 00-0044	EA		20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,647.23	1,024.42
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	376.77	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	649.60	
			For Aluminum, Mill Finish, Add	296.22	
			For Aluminum, Anodized Finish, Add	828.88	
08 36 13 00-0045	EA		20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,770.66	1,182.03
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	493.95	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	851.65	
			For Aluminum, Mill Finish, Add	388.35	
			For Aluminum, Anodized Finish, Add	1,086.70	
08 36 13 00-0046	EA		20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,564.18	1,339.64
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	563.31	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	971.22	
			For Aluminum, Mill Finish, Add	442.88	
			For Aluminum, Anodized Finish, Add	1,239.28	
08 36 13 00-0047	EA		20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,173.11	1,497.24
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	750.90	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,294.65	
			For Aluminum, Mill Finish, Add	590.36	
			For Aluminum, Anodized Finish, Add	1,651.97	
08 36 13 00-0048	EA		22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,393.66	1,024.42
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	340.00	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	586.20	
			For Aluminum, Mill Finish, Add	267.31	
			For Aluminum, Anodized Finish, Add	747.99	
08 36 13 00-0049	EA		22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,460.93	1,182.03
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	449.04	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	774.21	
			For Aluminum, Mill Finish, Add	353.04	
			For Aluminum, Anodized Finish, Add	987.90	
08 36 13 00-0050	EA		22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,499.35	1,339.64
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	553.91	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	955.02	
			For Aluminum, Mill Finish, Add	435.49	
			For Aluminum, Anodized Finish, Add	1,218.60	
08 36 13 00-0051	EA		22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,707.77	1,497.24
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	683.42	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,178.32	
			For Aluminum, Mill Finish, Add	537.31	
			For Aluminum, Anodized Finish, Add	1,503.53	
08 36 13 00-0052	EA		22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,707.26	1,654.85
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	782.65	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,349.40	
			For Aluminum, Mill Finish, Add	615.32	
			For Aluminum, Anodized Finish, Add	1,721.83	
08 36 13 00-0053	EA		24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,848.65	1,182.03
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	360.26	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	621.14	
			For Aluminum, Mill Finish, Add	283.24	
			For Aluminum, Anodized Finish, Add	792.58	
08 36 13 00-0054	EA		24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,960.53	1,339.64
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	475.78	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	820.31	
			For Aluminum, Mill Finish, Add	374.06	
			For Aluminum, Anodized Finish, Add	1,046.72	
08 36 13 00-0055	EA		24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,321.68	1,497.24
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	627.44	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,081.79	
			For Aluminum, Mill Finish, Add	493.30	
			For Aluminum, Anodized Finish, Add	1,380.37	
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,194.39	1,654.85
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	708.28	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,221.18	
			For Aluminum, Mill Finish, Add	556.86	
			For Aluminum, Anodized Finish, Add	1,558.22	

08 Openings

08 30 Specialty Doors and Frames

08 36 Panel Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 36 13 00-0057	EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,219.84	1,812.45
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	811.27	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,398.74	
	For Aluminum, Mill Finish, Add	637.82	
	For Aluminum, Anodized Finish, Add	1,784.79	
08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)			
Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.			
08 36 13 00-0059	EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,865.33	275.81
	For Aluminum, Mill Finish, Add	149.76	
	For Aluminum, Anodized Finish, Add	419.08	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	164.22	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	328.43	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	853.92	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,642.15	
08 36 13 00-0060	EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,230.80	315.21
	For Aluminum, Mill Finish, Add	182.44	
	For Aluminum, Anodized Finish, Add	510.52	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	200.05	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	400.10	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,040.25	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,000.48	
08 36 13 00-0061	EA 8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,736.16	394.01
	For Aluminum, Mill Finish, Add	222.09	
	For Aluminum, Anodized Finish, Add	621.46	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	243.52	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	487.04	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,266.29	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,435.18	
08 36 13 00-0062	EA 10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,172.36	315.21
	For Aluminum, Mill Finish, Add	175.78	
	For Aluminum, Anodized Finish, Add	491.88	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	192.74	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	385.49	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,002.26	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,927.43	
08 36 13 00-0063	EA 10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,664.18	394.01
	For Aluminum, Mill Finish, Add	213.88	
	For Aluminum, Anodized Finish, Add	598.50	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	234.52	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	469.04	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,219.50	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,345.20	
08 36 13 00-0064	EA 10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,380.12	512.22
	For Aluminum, Mill Finish, Add	268.55	
	For Aluminum, Anodized Finish, Add	751.47	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	294.46	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	588.93	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,531.21	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,944.63	
08 36 13 00-0065	EA 10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,901.83	630.42
	For Aluminum, Mill Finish, Add	301.07	
	For Aluminum, Anodized Finish, Add	842.48	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	330.13	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	660.25	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,716.65	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,301.25	
08 36 13 00-0066	EA 12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,554.14	394.01
	For Aluminum, Mill Finish, Add	201.34	
	For Aluminum, Anodized Finish, Add	563.39	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	220.77	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	441.53	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,147.98	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,207.65	
08 36 13 00-0067	EA 12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,172.28	512.22
	For Aluminum, Mill Finish, Add	244.86	
	For Aluminum, Anodized Finish, Add	685.17	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	268.48	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	536.97	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,396.11	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,684.83	
08 36 13 00-0068	EA 12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,865.15	630.42
	For Aluminum, Mill Finish, Add	296.89	
	For Aluminum, Anodized Finish, Add	830.78	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	325.54	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	651.08	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,692.81	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,255.40	
08 36 13 00-0069	EA 12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,513.19	748.62
	For Aluminum, Mill Finish, Add	343.82	
	For Aluminum, Anodized Finish, Add	962.09	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	376.99	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	753.99	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,960.37	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,769.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,480.48	906.22
			For Aluminum, Mill Finish, Add	418.16	
			For Aluminum, Anodized Finish, Add	1,170.10	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	458.51	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	917.01	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,384.23	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,585.05	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,010.61	512.22
			For Aluminum, Mill Finish, Add	226.43	
			For Aluminum, Anodized Finish, Add	633.59	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	248.27	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	496.55	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,291.02	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,482.74	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,736.09	630.42
			For Aluminum, Mill Finish, Add	282.18	
			For Aluminum, Anodized Finish, Add	789.61	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	309.41	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	618.82	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,608.92	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,094.08	
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,533.59	788.02
			For Aluminum, Mill Finish, Add	337.16	
			For Aluminum, Anodized Finish, Add	943.46	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	369.69	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	739.39	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,922.40	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,696.93	
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,355.48	906.22
			For Aluminum, Mill Finish, Add	403.91	
			For Aluminum, Anodized Finish, Add	1,130.23	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	442.88	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	885.76	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,302.98	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,428.80	
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,155.68	1,024.42
			For Aluminum, Mill Finish, Add	468.18	
			For Aluminum, Anodized Finish, Add	1,310.08	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	513.35	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,026.71	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,669.44	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,133.54	
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,596.17	630.42
			For Aluminum, Mill Finish, Add	266.23	
			For Aluminum, Anodized Finish, Add	744.97	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	291.92	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	583.84	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,517.97	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,919.18	
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,642.27	788.02
			For Aluminum, Mill Finish, Add	349.55	
			For Aluminum, Anodized Finish, Add	978.12	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	383.28	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	766.56	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,993.04	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,832.78	
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,428.85	906.22
			For Aluminum, Mill Finish, Add	412.27	
			For Aluminum, Anodized Finish, Add	1,153.63	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	452.05	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	904.10	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,350.67	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,520.51	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,220.88	1,024.42
			For Aluminum, Mill Finish, Add	475.61	
			For Aluminum, Anodized Finish, Add	1,330.88	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	521.50	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,043.01	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,711.82	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,215.04	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,372.96	1,182.03
			For Aluminum, Mill Finish, Add	571.01	
			For Aluminum, Anodized Finish, Add	1,597.83	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	626.11	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,252.22	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,255.77	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,261.10	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,115.15	788.02
			For Aluminum, Mill Finish, Add	289.46	
			For Aluminum, Anodized Finish, Add	809.97	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	317.39	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	634.78	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,650.42	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,173.88	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,139.48	906.22
			For Aluminum, Mill Finish, Add	379.28	
			For Aluminum, Anodized Finish, Add	1,061.33	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	415.88	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	831.76	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,162.58	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,158.80	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,981.78	1,024.42
		<i>For Aluminum, Mill Finish, Add</i>	448.35	
		<i>For Aluminum, Anodized Finish, Add</i>	1,254.60	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	491.62	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	983.23	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,556.40	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,916.16	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,511.53	1,182.03
		<i>For Aluminum, Mill Finish, Add</i>	586.81	
		<i>For Aluminum, Anodized Finish, Add</i>	1,642.04	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	643.43	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,286.86	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,345.84	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,434.31	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,205.77	1,339.64
		<i>For Aluminum, Mill Finish, Add</i>	630.02	
		<i>For Aluminum, Anodized Finish, Add</i>	1,762.95	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	690.81	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,381.62	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,592.21	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,908.10	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,113.67	906.22
		<i>For Aluminum, Mill Finish, Add</i>	376.34	
		<i>For Aluminum, Anodized Finish, Add</i>	1,053.09	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	412.65	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	825.31	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,145.80	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,126.54	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,041.57	1,024.42
		<i>For Aluminum, Mill Finish, Add</i>	455.17	
		<i>For Aluminum, Anodized Finish, Add</i>	1,273.68	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	499.09	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	998.18	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,595.27	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,990.90	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,790.02	1,182.03
		<i>For Aluminum, Mill Finish, Add</i>	618.56	
		<i>For Aluminum, Anodized Finish, Add</i>	1,730.87	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	678.24	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,356.49	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,526.86	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,782.43	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,454.37	1,339.64
		<i>For Aluminum, Mill Finish, Add</i>	658.36	
		<i>For Aluminum, Anodized Finish, Add</i>	1,842.25	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	721.89	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,443.77	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,753.80	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,218.85	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,852.33	1,497.24
		<i>For Aluminum, Mill Finish, Add</i>	781.79	
		<i>For Aluminum, Anodized Finish, Add</i>	2,187.64	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	857.23	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,714.46	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,457.58	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,572.28	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,594.61	1,024.42
		<i>For Aluminum, Mill Finish, Add</i>	404.22	
		<i>For Aluminum, Anodized Finish, Add</i>	1,131.10	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	443.22	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	886.44	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,304.74	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,432.20	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,961.34	1,182.03
		<i>For Aluminum, Mill Finish, Add</i>	524.09	
		<i>For Aluminum, Anodized Finish, Add</i>	1,466.53	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	574.66	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,149.32	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,988.22	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,746.58	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,304.95	1,339.64
		<i>For Aluminum, Mill Finish, Add</i>	641.33	
		<i>For Aluminum, Anodized Finish, Add</i>	1,794.59	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	703.21	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,406.42	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,656.68	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,032.08	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,337.45	1,497.24
		<i>For Aluminum, Mill Finish, Add</i>	723.10	
		<i>For Aluminum, Anodized Finish, Add</i>	2,023.40	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	792.87	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,585.74	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,122.91	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,928.68	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,681.02	1,654.85
		<i>For Aluminum, Mill Finish, Add</i>	840.33	
		<i>For Aluminum, Anodized Finish, Add</i>	2,351.46	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	921.42	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,842.84	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,791.37	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	9,214.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,210.07	1,182.03
			<i>For Aluminum, Mill Finish, Add</i>	438.44	
			<i>For Aluminum, Anodized Finish, Add</i>	1,226.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	480.75	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	961.50	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,499.89	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,807.49	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,727.58	1,339.64
			<i>For Aluminum, Mill Finish, Add</i>	575.51	
			<i>For Aluminum, Anodized Finish, Add</i>	1,610.40	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	631.04	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,262.07	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,281.39	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,310.36	
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,993.76	1,497.24
			<i>For Aluminum, Mill Finish, Add</i>	683.91	
			<i>For Aluminum, Anodized Finish, Add</i>	1,913.76	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	749.91	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,499.81	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,899.51	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,499.06	
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,340.05	1,654.85
			<i>For Aluminum, Mill Finish, Add</i>	801.46	
			<i>For Aluminum, Anodized Finish, Add</i>	2,242.69	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	878.80	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,757.59	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,569.74	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,787.96	
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,663.27	1,812.45
			<i>For Aluminum, Mill Finish, Add</i>	916.38	
			<i>For Aluminum, Anodized Finish, Add</i>	2,564.24	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,004.80	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,009.60	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,224.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	10,047.98	
08 36 13 00-0101			Residential Grade, Galvanized Steel Sectional Overhead Doors <small>(08 36 13 00-0013)</small>		
			Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	821.71	157.61
			<i>For Aluminum And Fiberglass, Add</i>	132.59	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	153.97	
08 36 13 00-0103	EA		9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	898.46	157.61
			<i>For Aluminum And Fiberglass, Add</i>	156.38	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	181.60	
08 36 13 00-0104	EA		16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,157.09	180.30
			<i>For Aluminum And Fiberglass, Add</i>	219.26	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	254.63	
08 36 13 00-0105	EA		16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,277.70	180.30
			<i>For Aluminum And Fiberglass, Add</i>	256.65	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	298.05	
08 36 13 00-0106			Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports <small>(08 36 13 00-0013)</small>		
			Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF		Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	11.40	
08 36 13 00-0108			Sectional Fiberglass Overhead Doors (Width x Height) <small>(08 36 13)</small>		
08 36 13 00-0109			Fiberglass Sectional Overhead Doors <small>(08 36 13 00-0108)</small>		
08 36 13 00-0110			Non-Insulated, Fiberglass Sectional Doors <small>(08 36 13 00-0109)</small>		
			Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA		8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,283.94	275.81
08 36 13 00-0112	EA		8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,718.82	315.21
08 36 13 00-0113	EA		8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,204.07	394.01
08 36 13 00-0114	EA		10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,684.63	315.21
08 36 13 00-0115	EA		10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,216.38	354.61
08 36 13 00-0116	EA		10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,979.44	492.52
08 36 13 00-0117	EA		10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,747.74	630.42
08 36 13 00-0118	EA		12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,155.63	394.01
08 36 13 00-0119	EA		12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,959.50	492.52
08 36 13 00-0120	EA		12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,751.73	591.02
08 36 13 00-0121	EA		12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,738.60	788.02
08 36 13 00-0122	EA		12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,654.36	945.63
08 36 13 00-0123	EA		14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,784.06	551.61
08 36 13 00-0124	EA		14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,628.08	630.42
08 36 13 00-0125	EA		14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,636.03	788.02
08 36 13 00-0126	EA		14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,642.97	945.63
08 36 13 00-0127	EA		14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	7,495.37	1,024.42
08 36 13 00-0128	EA		16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,294.73	630.42
08 36 13 00-0129	EA		16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,204.80	709.22
08 36 13 00-0130	EA		16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	6,289.93	866.83

08 Openings
08 30 Specialty Doors and Frames
08 36 Panel Doors

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 36 13 00-0131	EA	16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift		7,361.46	1,024.42
08 36 13 00-0132	EA	16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift		8,274.70	1,103.23
08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109)					
Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.					
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....		2,855.58	275.81
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....		3,407.99	315.21
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....		4,001.36	394.01
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....		3,362.52	315.21
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....		4,043.76	354.61
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....		4,967.60	492.52
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....		5,898.55	630.42
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....		3,936.94	394.01
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....		4,941.08	492.52
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....		5,929.81	591.02
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....		7,112.24	788.02
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....		8,226.39	945.63
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....		4,668.80	551.61
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....		5,739.40	630.42
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....		6,975.83	788.02
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....		8,211.23	945.63
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....		9,293.04	1,024.42
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....		5,296.05	630.42
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....		6,454.33	709.22
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....		7,793.32	866.83
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....		9,114.94	1,024.42
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....		10,277.34	1,103.23
08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)					
08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156)					
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors		3.12	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....		4.58	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors		2.45	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors.....		285.81	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors		475.93	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....		1,809.14	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors.....		890.63	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors.....		1,158.37	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
For Door Height >12', Add				10.00	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.					
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors		26.28	
Note: Additional cost for factory supplied.					
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....		16.39	
Note: Additional cost for factory supplied.					
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors		27.48	
Note: Additional cost for factory supplied.					
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....		18.73	
Note: Additional cost for factory supplied.					
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors		44.21	
Note: Additional cost for factory supplied.					
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....		29.84	
Note: Additional cost for factory supplied.					
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door		466.10	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.					
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door		727.72	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.					
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door		1,067.48	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.					
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		1.49	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.					
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		1.91	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.					
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....		2.53	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.					
08 38 Traffic Doors (08 30)					
08 38 13 Flexible Strip Doors (08 38)					
08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)					
08 38 13 00-0002	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip		61.27	22.23
For Cooler/Freezer Doors, USDA Grade, Add				2.50	
Note: Low temperature to -40 degree F.					
For Ribbed Strip Material, Add				5.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 13 00-0003	EA	8"	Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	65.03	22.23
				2.88	
			<i>For Ribbed Strip Material, Add</i>	6.04	
08 38 13 00-0004	EA	12"	Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	110.17	27.50
				6.53	
			<i>For Ribbed Strip Material, Add</i>	13.70	
08 38 13 00-0005	EA	12"	Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	126.01	27.50
				8.11	
			<i>For Ribbed Strip Material, Add</i>	17.03	
08 38 13 00-0006	EA	12"	Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	142.38	27.50
				9.75	
			<i>For Ribbed Strip Material, Add</i>	20.47	
08 38 13 00-0007	EA	16"	Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	224.97	28.05
				16.88	
			<i>For Ribbed Strip Material, Add</i>	35.45	

08 38 16 Flexible Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001			0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004	EA	72" x 84"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,535.83	78.80
08 38 16 00-0005	EA	72" x 96"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,740.26	78.80
08 38 16 00-0006	EA	96" x 96"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,696.63	90.62
08 38 16 00-0007	EA	96" x 120"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,392.33	98.50
08 38 16 00-0008	EA	108" x 108"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,930.17	98.50
08 38 16 00-0009	EA	108" x 120"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,387.83	98.50
08 38 16 00-0010	EA	120" x 120"	Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,562.97	118.20
08 38 16 00-0011			Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012	EA	72" x 84"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,820.43	78.80
08 38 16 00-0013	EA	72" x 96"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	3,048.08	78.80
08 38 16 00-0014	EA	96" x 96"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,744.92	90.62
08 38 16 00-0015	EA	96" x 120"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,435.97	98.50
08 38 16 00-0016	EA	108" x 108"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,127.08	98.50
08 38 16 00-0017	EA	108" x 120"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,592.62	98.50
08 38 16 00-0018	EA	120" x 120"	Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	12,903.33	118.20
08 38 16 00-0019			0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP) (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0022	EA	24" To 36"	Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,271.01	43.34
08 38 16 00-0023	EA	40" To 44"	Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,370.77	43.34
08 38 16 00-0024			96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0025	EA	24" To 36"	Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,370.77	43.34
08 38 16 00-0026	EA	40" To 44"	Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	1,398.90	43.34
08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0029	EA	48" To 72"	Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,518.35	74.86
08 38 16 00-0030	EA	80" To 88"	Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,717.87	74.86

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,717.87	74.86
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	2,774.15	74.86
08 38 19			Rigid Traffic Doors <small>(08 38)</small>		
			Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
			Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	618.73	43.34
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	664.77	43.34
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	686.61	45.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	714.75	45.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	746.84	47.28
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	808.24	47.28
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	837.95	53.19
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	698.03	43.34
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	733.84	43.34
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	758.23	45.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	778.70	45.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	851.72	47.28
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	867.07	47.28
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	894.23	53.19
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,213.80	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,305.89	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,341.70	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,397.97	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,462.16	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,584.94	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,620.75	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,372.40	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,444.02	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,484.94	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,525.87	74.86
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,671.91	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,702.61	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,733.30	78.80
		For Each 18" x 30" Window, Add	41.00	
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0036	3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037	Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0038	84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		
08 38 19 00-0039	EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,089.39 6.00 19.00	43.34
08 38 19 00-0040	EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,209.62 6.00 19.00	43.34
08 38 19 00-0041	EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,262.15 6.00 19.00	45.31
08 38 19 00-0042	EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,313.31 6.00 19.00	45.31
08 38 19 00-0043	EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,332.61 6.00 19.00	47.28
08 38 19 00-0044	EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,437.49 6.00 19.00	47.28
08 38 19 00-0045	EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,543.94 6.00 19.00	53.19
08 38 19 00-0046	EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,561.85 6.00 19.00	53.19
08 38 19 00-0047	96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)		
08 38 19 00-0048	EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,191.71 6.00 19.00	43.34
08 38 19 00-0049	EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,317.05 6.00 19.00	43.34
08 38 19 00-0050	EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,369.58 6.00 19.00	45.31
08 38 19 00-0051	EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,433.53 6.00 19.00	45.31
08 38 19 00-0052	EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,483.53 6.00 19.00	47.28
08 38 19 00-0053	EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,585.85 6.00 19.00	47.28
08 38 19 00-0054	EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,638.59 6.00 19.00	53.19
08 38 19 00-0055	EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	1,702.53 6.00 19.00	53.19
08 38 19 00-0056	Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)		
08 38 19 00-0057	84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0056)		
08 38 19 00-0058	EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,155.12 6.00 19.00	74.86
08 38 19 00-0059	EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,395.57 6.00 19.00	74.86
08 38 19 00-0060	EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,492.77 6.00 19.00	74.86
08 38 19 00-0061	EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,595.09 6.00 19.00	74.86
08 38 19 00-0062	EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,633.70 6.00 19.00	78.80
08 38 19 00-0063	EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	2,843.45 6.00 19.00	78.80
08 38 19 00-0064	EA 84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,032.73 6.00 19.00	78.80
08 38 19 00-0065	EA 88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,068.55 6.00 19.00	78.80

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0066	96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0066)</small>		
08 38 19 00-0067	EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,359.76 6.00 19.00	74.86
08 38 19 00-0068	EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,610.44 6.00 19.00	74.86
08 38 19 00-0069	EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,707.64 6.00 19.00	74.86
08 38 19 00-0070	EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,835.54 6.00 19.00	74.86
08 38 19 00-0071	EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,935.53 6.00 19.00	78.80
08 38 19 00-0072	EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,140.17 6.00 19.00	78.80
08 38 19 00-0073	EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,222.02 6.00 19.00	78.80
08 38 19 00-0074	EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,349.92 6.00 19.00	78.80
08 38 19 00-0075	3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small>		
	Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076	Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077	84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078	EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,150.78 6.00 19.00	43.34
08 38 19 00-0079	EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,304.26 6.00 19.00	43.34
08 38 19 00-0080	EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,349.12 6.00 19.00	45.31
08 38 19 00-0081	EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,364.46 6.00 19.00	45.31
08 38 19 00-0082	EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,383.77 6.00 19.00	47.28
08 38 19 00-0083	EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,527.02 6.00 19.00	47.28
08 38 19 00-0084	EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,656.49 6.00 19.00	53.19
08 38 19 00-0085	EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,674.40 6.00 19.00	53.19
08 38 19 00-0086	96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087	EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,184.04 6.00 19.00	43.34
08 38 19 00-0088	EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,373.32 6.00 19.00	43.34
08 38 19 00-0089	EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,420.74 6.00 19.00	45.31
08 38 19 00-0090	EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,441.20 6.00 19.00	45.31
08 38 19 00-0091	EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,450.28 6.00 19.00	47.28
08 38 19 00-0092	EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,555.15 6.00 19.00	47.28
08 38 19 00-0093	EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,682.07 6.00 19.00	53.19

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,702.53 6.00 19.00	53.19
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,277.91 6.00 19.00	74.86
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,584.86 6.00 19.00	74.86
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,666.71 6.00 19.00	74.86
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,697.41 6.00 19.00	74.86
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,736.01 6.00 19.00	78.80
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,022.50 6.00 19.00	78.80
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,257.83 6.00 19.00	78.80
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,293.64 6.00 19.00	78.80
08 38 19 00-0105			96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,344.41 6.00 19.00	74.86
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,722.99 6.00 19.00	74.86
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,809.96 6.00 19.00	74.86
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,850.88 6.00 19.00	74.86
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,869.03 6.00 19.00	78.80
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,078.78 6.00 19.00	78.80
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,308.99 6.00 19.00	78.80
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,349.92 6.00 19.00	78.80
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) (08 38 19) Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,457.74 41.00 22.00 28.00	43.34
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,593.31 41.00 22.00 28.00	43.34
08 38 19 00-0119	EA		30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,633.05 41.00 22.00 28.00	45.31

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,666.30	45.31	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,726.54	47.28	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,790.48	47.28	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,853.45	53.19	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,896.94	53.19	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact					
Traffic Doors <small>(08 38 19 00-0115)</small>					
08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,572.84	43.34	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,716.09	43.34	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,758.39	45.31	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,776.29	45.31	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,831.41	47.28	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,915.82	47.28	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,968.56	53.19	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,012.05	53.19	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic					
Doors <small>(08 38 19 00-0114)</small>					
08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact					
Traffic Doors <small>(08 38 19 00-0134)</small>					
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,891.81	74.86	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,162.95	74.86	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,234.58	74.86	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,301.08	74.86	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,421.54	78.80	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	3,549.44	78.80	
		<i>For Each 18" x 30" Window, Add</i>	41.00		
		<i>For Each 14" x 16" Window, Add</i>	22.00		
		<i>For Each 15" x 20" Window, Add</i>	28.00		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,651.76 41.00 22.00 28.00	78.80
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,738.73 41.00 22.00 28.00	78.80
08 38 19 00-0144			96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,122.03 41.00 22.00 28.00	74.86
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,408.52 41.00 22.00 28.00	74.86
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,485.25 41.00 22.00 28.00	74.86
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,521.06 41.00 22.00 28.00	74.86
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,631.29 41.00 22.00 28.00	78.80
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,800.12 41.00 22.00 28.00	78.80
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,881.97 41.00 22.00 28.00	78.80
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,968.94 41.00 22.00 28.00	78.80
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) <small>(08 38 19)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,432.16 6.00 19.00	43.34
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,506.34 6.00 19.00	43.34
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,576.77 6.00 19.00	45.31
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,620.26 6.00 19.00	45.31
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,731.65 6.00 19.00	47.28
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,818.62 6.00 19.00	47.28
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,899.50 6.00 19.00	53.19
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,981.35 6.00 19.00	53.19
08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,483.32 6.00 19.00	43.34
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,572.84 6.00 19.00	43.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,620.26	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,681.65	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,800.72	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,905.59	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,981.35	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,058.09	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,613.77	43.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,631.68	43.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,709.79	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,766.06	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,887.69	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,013.03	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,083.67	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,160.41	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,840.65	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,989.01	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,122.03	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,209.00	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,431.77	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,605.71	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,743.84	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,907.55	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,942.97	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,122.03	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,209.00	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,331.78	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,569.90	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,779.65	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,907.55	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,061.03	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,203.88	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,239.69	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,388.05	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,500.60	74.86
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,743.84	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,994.52	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,112.19	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,265.66	78.80
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliaison HFG-10) <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,432.16	43.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,506.34	43.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,576.77	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,620.26	45.31
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,731.65	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,818.62	47.28
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,899.50	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,981.35	53.19
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,483.32	43.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,572.84 6.00 19.00	43.34
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,620.26 6.00 19.00	45.31
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,681.65 6.00 19.00	45.31
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,800.72 6.00 19.00	47.28
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,905.59 6.00 19.00	47.28
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,981.35 6.00 19.00	53.19
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,058.09 6.00 19.00	53.19
08 38 19 00-0230			96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,613.77 6.00 19.00	43.34
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,631.68 6.00 19.00	43.34
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,709.79 6.00 19.00	45.31
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,766.06 6.00 19.00	45.31
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,887.69 6.00 19.00	47.28
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,013.03 6.00 19.00	47.28
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,083.67 6.00 19.00	53.19
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,160.41 6.00 19.00	53.19
08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,840.65 6.00 19.00	74.86
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,989.01 6.00 19.00	74.86
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,122.03 6.00 19.00	74.86
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,209.00 6.00 19.00	74.86
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,431.77 6.00 19.00	78.80
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,605.71 6.00 19.00	78.80
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,743.84 6.00 19.00	78.80
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	3,907.55 6.00 19.00	78.80
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,942.97 6.00 19.00	74.86

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,122.03	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,209.00	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,331.78	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,569.90	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,779.65	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,907.55	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,061.03	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0258		96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors		
		<small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,203.88	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,239.69	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,388.05	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,500.60	74.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,743.84	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,994.52	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,112.19	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,265.66	78.80
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0267		Rigid Impact Traffic Door Accessories		
		<small>(08 38 19)</small>		
08 38 19 00-0268		Bumper Strips For Impact Traffic Doors		
		<small>(08 38 19 00-0267)</small>		
		Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	126.16	31.52
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	138.95	31.52
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	149.19	31.52
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	167.09	31.52
08 38 19 00-0273		Easy Spring Bumpers For Impact Traffic Doors		
		<small>(08 38 19 00-0267)</small>		
		Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	333.36	31.52
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	440.79	31.52
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	647.98	31.52
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	747.74	31.52
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	850.06	31.52
08 38 19 00-0279		Scuff Plates For Impact Traffic Doors		
		<small>(08 38 19 00-0267)</small>		
		Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		12" High, Scuff Plates For Impact Traffic Doors		
		<small>(08 38 19 00-0279)</small>		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	149.19	31.52
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	159.42	31.52
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	172.21	31.52
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	190.11	31.52
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	200.34	31.52
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors		
		<small>(08 38 19 00-0279)</small>		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	200.34	31.52
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	246.39	31.52
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	271.97	31.52
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	307.78	31.52
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	330.80	31.52

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0292	30" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293	SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	246.39	31.52
08 38 19 00-0294	SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	287.31	31.52
08 38 19 00-0295	SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	318.01	31.52
08 38 19 00-0296	SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	374.28	31.52
08 38 19 00-0297	SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	412.65	31.52
08 38 19 00-0298	36" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299	SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	271.97	31.52
08 38 19 00-0300	SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	318.01	31.52
08 38 19 00-0301	SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	369.17	31.52
08 38 19 00-0302	SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	397.31	31.52
08 38 19 00-0303	SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	440.79	31.52
08 38 19 00-0304	48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305	SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	330.80	31.52
08 38 19 00-0306	SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	412.65	31.52
08 38 19 00-0307	SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	440.79	31.52
08 38 19 00-0308	SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	494.51	31.52
08 38 19 00-0309	SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	553.34	31.52
08 38 19 00-0310	Base Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
	Note: Includes two base plates per set.		
08 38 19 00-0311	Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0312	12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0313	SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	144.07	31.52
08 38 19 00-0314	SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	154.30	31.52
08 38 19 00-0315	SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	159.42	31.52
08 38 19 00-0316	SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	182.44	31.52
08 38 19 00-0317	SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	192.67	31.52
08 38 19 00-0318	24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0319	SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	182.44	31.52
08 38 19 00-0320	SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	197.79	31.52
08 38 19 00-0321	SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	213.13	31.52
08 38 19 00-0322	SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	225.92	31.52
08 38 19 00-0323	SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	246.39	31.52
08 38 19 00-0324	30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0325	SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	208.02	31.52
08 38 19 00-0326	SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	220.81	31.52
08 38 19 00-0327	SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	251.50	31.52
08 38 19 00-0328	SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	284.76	31.52
08 38 19 00-0329	SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	300.10	31.52
08 38 19 00-0330	36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0331	SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	220.81	31.52
08 38 19 00-0332	SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	246.39	31.52
08 38 19 00-0333	SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	284.76	31.52
08 38 19 00-0334	SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	315.45	31.52
08 38 19 00-0335	SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	333.36	31.52
08 38 19 00-0336	48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0337	SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	279.64	31.52
08 38 19 00-0338	SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	315.45	31.52
08 38 19 00-0339	SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	364.05	31.52
08 38 19 00-0340	SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	387.07	31.52
08 38 19 00-0341	SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	417.77	31.52
08 38 19 00-0342	Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0343	12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
08 38 19 00-0344	SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	190.11	31.52
08 38 19 00-0345	SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	200.34	31.52
08 38 19 00-0346	SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	231.04	31.52
08 38 19 00-0347	SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	246.39	31.52
08 38 19 00-0348	SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	289.87	31.52

08 Openings
08 30 Specialty Doors and Frames
08 38 Traffic Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0349	24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342</small>)		
08 38 19 00-0350	SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	261.73	31.52
08 38 19 00-0351	SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	307.78	31.52
08 38 19 00-0352	SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	353.82	31.52
08 38 19 00-0353	SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	410.10	31.52
08 38 19 00-0354	SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	461.25	31.52
08 38 19 00-0355	30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342</small>)		
08 38 19 00-0356	SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	297.55	31.52
08 38 19 00-0357	SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	358.94	31.52
08 38 19 00-0358	SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	415.21	31.52
08 38 19 00-0359	SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	474.04	31.52
08 38 19 00-0360	SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	543.11	31.52
08 38 19 00-0361	36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342</small>)		
08 38 19 00-0362	SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	343.59	31.52
08 38 19 00-0363	SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	410.10	31.52
08 38 19 00-0364	SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	486.83	31.52
08 38 19 00-0365	SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	561.01	31.52
08 38 19 00-0366	SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	624.96	31.52
08 38 19 00-0367	48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 <small>38 19 00-0342</small>)		
08 38 19 00-0368	SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	425.44	31.52
08 38 19 00-0369	SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	584.04	31.52
08 38 19 00-0370	SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	624.96	31.52
08 38 19 00-0371	SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	747.74	31.52
08 38 19 00-0372	SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	819.37	31.52
08 38 19 00-0373	One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374	12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375	SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	169.65	31.52
08 38 19 00-0376	SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	182.44	31.52
08 38 19 00-0377	SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	197.79	31.52
08 38 19 00-0378	SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	215.69	31.52
08 38 19 00-0379	SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	243.83	31.52
08 38 19 00-0380	24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381	SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	225.92	31.52
08 38 19 00-0382	SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	256.62	31.52
08 38 19 00-0383	SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	287.31	31.52
08 38 19 00-0384	SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	320.57	31.52
08 38 19 00-0385	SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	358.94	31.52
08 38 19 00-0386	30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387	SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	256.62	31.52
08 38 19 00-0388	SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	294.99	31.52
08 38 19 00-0389	SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	338.47	31.52
08 38 19 00-0390	SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	392.19	31.52
08 38 19 00-0391	SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	428.00	31.52
08 38 19 00-0392	36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393	SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	287.31	31.52
08 38 19 00-0394	SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	338.47	31.52
08 38 19 00-0395	SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	392.19	31.52
08 38 19 00-0396	SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	445.91	31.52
08 38 19 00-0397	SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	484.28	31.52
08 38 19 00-0398	48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	358.94	31.52
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	438.23	31.52
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	484.28	31.52
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	576.36	31.52
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	601.94	31.52

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)				
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	231.25	39.40
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	307.98	39.40
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	589.36	39.40
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)				
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors.....	60.63	19.70
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors.....	78.53	19.70
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	188.52	19.70
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	234.57	19.70
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors.....	96.44	19.70
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)				
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.				
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)				
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)				
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	575.07	59.10
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	673.91	65.01
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	690.49	68.95
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	709.91	74.86
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	727.60	78.80
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	758.92	82.74
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	782.51	86.69
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	798.99	90.62
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)				
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	586.48	59.10
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	687.50	65.01
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	704.31	68.95
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	723.91	74.86
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	741.84	78.80
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	773.76	82.74
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	797.73	86.69
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	814.44	90.62
08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)				
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	601.65	59.10
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	705.56	65.01
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	722.66	68.95
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	738.02	74.86
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	760.77	78.80
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	788.59	82.74
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	817.96	86.69
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	836.08	88.65
08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)				
08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)				
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	812.17	90.62
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	825.99	92.20
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	841.79	94.56
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	864.37	98.50
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	879.29	102.44
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	907.46	103.23
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	926.75	104.41
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	950.30	106.38
08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)				
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	827.92	90.62
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	841.98	92.20
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	858.11	94.56
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	881.04	98.50
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	896.17	102.44
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	924.99	103.23
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	944.70	104.41
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	968.74	106.38
08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)				
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	846.31	90.62
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	857.94	92.20
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	879.77	94.56
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	897.72	98.50
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	918.56	102.44
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	950.82	103.23
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	968.54	104.41

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0470 EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame990.22 106.38

08 40 Entrances, Storefronts, and Curtain Walls (08)**08 42 Entrances (08 40)****08 42 13 Aluminum-Framed Entrances (08 42)****08 42 13 00-0001****Aluminum Framed Entrance Doors (08 42 13)**

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2085 for exit device, 08 71 11 00-2220 for closer.

08 42 13 00-0002 EA 3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors4,635.10 549.74

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

438.25

For 10' High Door, Add

952.73

For 1" Insulated Glazing, Add

66.07

08 42 13 00-0003 EA 3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors4,659.79 549.74

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

441.09

For 10' High Door, Add

958.90

For 1" Insulated Glazing, Add

66.07

08 42 13 00-0004 PR 6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors7,836.91 824.45

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

759.35

For 10' High Door, Add

1,650.77

For 1" Insulated Glazing, Add

132.14

08 42 13 00-0005 PR 7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors9,051.87 824.45

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

899.07

For 10' High Door, Add

1,954.51

For 1" Insulated Glazing, Add

132.14

08 42 13 00-0006 EA 3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors5,153.67 549.74

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

497.89

For 10' High Door, Add

1,082.37

For 1" Insulated Glazing, Add

66.07

08 42 13 00-0007 EA 3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors5,210.47 549.74

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

504.42

For 10' High Door, Add

1,096.57

For 1" Insulated Glazing, Add

66.07

08 42 13 00-0008 PR 6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors8,817.27 824.45

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

872.10

For 10' High Door, Add

1,895.86

For 1" Insulated Glazing, Add

132.14

08 42 13 00-0009 PR 7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors10,003.61 824.45

Note: Including Glazing, Trim And Hardware

For 8' High Door, Add

1,008.52

For 10' High Door, Add

2,192.45

For 1" Insulated Glazing, Add

132.14

08 42 29 Automatic Entrances (08 42)**08 42 29 33 Swinging Automatic Entrances (08 42 29)**

Note: Excludes glazing.

08 42 29 33-0001**Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)**

Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.

08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel3,037.68 412.52

Note: For new storefront or existing concealed operator installations.

08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel5,250.82 550.05

Note: For new storefront or existing concealed operator installations.

08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel2,528.09 330.01

08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel4,560.71 495.02

08 42 29 33-0006**Activation Devices For Door Operators (08 42 29 33)**

08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)407.23 33.00

Note: Includes wiring harness and relays.

08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)358.86 33.00

Note: Includes wiring harness and relays.

08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38)362.71 33.00

Note: Includes wiring harness and relays.

08 42 29 33-0010 EA 4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)138.63 33.00

Note: Excludes wiring from operator to push plate.

08 42 29 33-0011 EA 1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)149.18 33.00

Note: Excludes wiring from operator to push button.

08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)108.49 33.00

Note: Excludes wiring from operator to push button.

08 42 29 33-0013 EA Radio Control System For Door Operator (MS Sedco Clearpath)572.40 82.51

Note: Includes receiver and two push plate transmitters.

For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct -64.00

08 42 29 33-0014 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)899.63 41.25

Note: Includes wiring harness and relays.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 29 33-0015 EA Guard Rail For Door With Operator	177.16	41.25
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08 42 29 33-0016 Low Energy Door Operators (Norton LEO™ 5700 Series) (08 42 29 33)

Note: Operates as mechanical surface close during close cycles, when door is opened manually or if power is turned off. Includes push and pull arms, inverter, motor and Norton 1601 closer body. Excludes activation device and door.

08 42 29 33-0017 EA Single Door, Universal Low Energy Power Door Operator (Norton LEO™ 5741-PC-A)	3,351.19	82.51
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08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13)

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 SF Aluminum Storefront Framing Assembly	37.72	3.96
<i>For Various Color Class I Anodized Finish, Add</i>	1.90	
<i>For Black Color Class I Anodized Finish, Add</i>	5.71	
<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.17	

08 43 19 Stainless-Steel-Framed Storefronts (08 43)

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.

08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly	38.25	4.12
<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.20	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

See CSI section 08 80 00 00-0000 for for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)

08 51 13 00-0004 EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	460.89	75.65
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.70	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	20.09	
<i>For Clear Anodized Finish, Add</i>	16.74	
<i>For Color Anodized Finish, Add</i>	23.44	

08 51 13 00-0005 EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	520.47	80.37
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.73	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.19	
<i>For Clear Anodized Finish, Add</i>	19.33	
<i>For Color Anodized Finish, Add</i>	27.06	

08 51 13 00-0006 EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	571.03	85.11
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.58	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.75	
<i>For Clear Anodized Finish, Add</i>	21.46	
<i>For Color Anodized Finish, Add</i>	30.04	

08 51 13 00-0007 EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	612.62	89.84
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.26	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.77	
<i>For Clear Anodized Finish, Add</i>	23.15	
<i>For Color Anodized Finish, Add</i>	32.40	

08 51 13 00-0008 EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	708.14	94.56
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.01	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.03	
<i>For Clear Anodized Finish, Add</i>	27.53	
<i>For Color Anodized Finish, Add</i>	38.54	

08 51 13 00-0009 SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	23.09	2.84
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.37	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.10	
<i>For Clear Anodized Finish, Add</i>	0.92	
<i>For Color Anodized Finish, Add</i>	1.29	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)

08 51 13 00-0011 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	699.09	75.65
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.46	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.38	
<i>For Clear Anodized Finish, Add</i>	28.65	
<i>For Color Anodized Finish, Add</i>	40.11	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	778.88	80.37
		For 50% Fluoropolymer Finish (Acrynar), Add	12.90	
		For 70% Fluoropolymer Finish (Duranar), Add	38.69	
		For Clear Anodized Finish, Add	32.25	
		For Color Anodized Finish, Add	45.14	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	845.18	85.11
		For 50% Fluoropolymer Finish (Acrynar), Add	14.07	
		For 70% Fluoropolymer Finish (Duranar), Add	42.20	
		For Clear Anodized Finish, Add	35.17	
		For Color Anodized Finish, Add	49.23	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	909.23	89.84
		For 50% Fluoropolymer Finish (Acrynar), Add	15.19	
		For 70% Fluoropolymer Finish (Duranar), Add	45.57	
		For Clear Anodized Finish, Add	37.98	
		For Color Anodized Finish, Add	53.17	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,085.65	94.56
		For 50% Fluoropolymer Finish (Acrynar), Add	18.56	
		For 70% Fluoropolymer Finish (Duranar), Add	55.68	
		For Clear Anodized Finish, Add	46.40	
		For Color Anodized Finish, Add	64.96	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	35.67	2.84
		For 50% Fluoropolymer Finish (Acrynar), Add	0.62	
		For 70% Fluoropolymer Finish (Duranar), Add	1.86	
		For Clear Anodized Finish, Add	1.55	
		For Color Anodized Finish, Add	2.17	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	739.53	75.65
		For 50% Fluoropolymer Finish (Acrynar), Add	12.27	
		For 70% Fluoropolymer Finish (Duranar), Add	36.81	
		For Clear Anodized Finish, Add	30.67	
		For Color Anodized Finish, Add	42.94	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	835.06	80.37
		For 50% Fluoropolymer Finish (Acrynar), Add	14.02	
		For 70% Fluoropolymer Finish (Duranar), Add	42.07	
		For Clear Anodized Finish, Add	35.05	
		For Color Anodized Finish, Add	49.08	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	912.59	85.11
		For 50% Fluoropolymer Finish (Acrynar), Add	15.42	
		For 70% Fluoropolymer Finish (Duranar), Add	46.25	
		For Clear Anodized Finish, Add	38.54	
		For Color Anodized Finish, Add	53.95	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	987.88	89.84
		For 50% Fluoropolymer Finish (Acrynar), Add	16.76	
		For 70% Fluoropolymer Finish (Duranar), Add	50.29	
		For Clear Anodized Finish, Add	41.91	
		For Color Anodized Finish, Add	58.67	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,182.28	94.56
		For 50% Fluoropolymer Finish (Acrynar), Add	20.49	
		For 70% Fluoropolymer Finish (Duranar), Add	61.48	
		For Clear Anodized Finish, Add	51.23	
		For Color Anodized Finish, Add	71.73	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	38.89	2.84
		For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
		For 70% Fluoropolymer Finish (Duranar), Add	2.05	
		For Clear Anodized Finish, Add	1.71	
		For Color Anodized Finish, Add	2.39	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	815.93	75.65
		For 50% Fluoropolymer Finish (Acrynar), Add	13.80	
		For 70% Fluoropolymer Finish (Duranar), Add	41.39	
		For Clear Anodized Finish, Add	34.49	
		For Color Anodized Finish, Add	48.29	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	940.67	80.37
		For 50% Fluoropolymer Finish (Acrynar), Add	16.13	
		For 70% Fluoropolymer Finish (Duranar), Add	48.40	
		For Clear Anodized Finish, Add	40.34	
		For Color Anodized Finish, Add	56.47	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,020.45	85.11
		For 50% Fluoropolymer Finish (Acrynar), Add	17.57	
		For 70% Fluoropolymer Finish (Duranar), Add	52.72	
		For Clear Anodized Finish, Add	43.93	
		For Color Anodized Finish, Add	61.50	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,095.74	89.84
		For 50% Fluoropolymer Finish (Acrynar), Add	18.92	
		For 70% Fluoropolymer Finish (Duranar), Add	56.76	
		For Clear Anodized Finish, Add	47.30	
		For Color Anodized Finish, Add	66.22	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,274.41	94.56
		For 50% Fluoropolymer Finish (Acrynar), Add	22.34	
		For 70% Fluoropolymer Finish (Duranar), Add	67.01	
		For Clear Anodized Finish, Add	55.84	
		For Color Anodized Finish, Add	78.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0030	SF		>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	41.96 0.74 2.23 1.86 2.61	2.84
08 51 13 00-0031			Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032			3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	521.57 7.91 23.73 19.77 27.68	75.65
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	578.89 8.90 26.70 22.25 31.14	80.37
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	627.21 9.71 29.12 24.27 33.98	85.11
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	677.78 10.56 31.68 26.40 36.96	89.84
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	795.78 12.76 38.29 31.91 44.67	94.56
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	26.01 0.43 1.28 1.06 1.49	2.84
08 51 13 00-0039			4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		
08 51 13 00-0040	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	649.65 10.47 31.41 26.18 36.65	75.65
08 51 13 00-0041	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	756.41 12.45 37.35 31.12 43.57	80.37
08 51 13 00-0042	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	842.93 14.02 42.07 35.05 49.08	85.11
08 51 13 00-0043	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	940.69 15.82 47.46 39.55 55.37	89.84
08 51 13 00-0044	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,121.61 19.28 57.84 48.20 67.48	94.56
08 51 13 00-0045	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	36.86 0.64 1.93 1.61 2.25	2.84
08 51 13 00-0046			4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		
08 51 13 00-0047	EA		Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	827.17 14.02 42.07 35.05 49.08	75.65
08 51 13 00-0048	EA		>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	951.91 16.36 49.08 40.90 57.26	80.37

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0049	EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,056.40	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	18.29	
	For 70% Fluoropolymer Finish (Duranar), Add	54.87	
	For Clear Anodized Finish, Add	45.73	
	For Color Anodized Finish, Add	64.02	
08 51 13 00-0050	EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,158.66	89.84
	For 50% Fluoropolymer Finish (Acrynar), Add	20.18	
	For 70% Fluoropolymer Finish (Duranar), Add	60.54	
	For Clear Anodized Finish, Add	50.45	
	For Color Anodized Finish, Add	70.63	
08 51 13 00-0051	EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,406.99	94.56
	For 50% Fluoropolymer Finish (Acrynar), Add	24.99	
	For 70% Fluoropolymer Finish (Duranar), Add	74.96	
	For Clear Anodized Finish, Add	62.47	
	For Color Anodized Finish, Add	87.46	
08 51 13 00-0052	SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	46.37	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	0.83	
	For 70% Fluoropolymer Finish (Duranar), Add	2.50	
	For Clear Anodized Finish, Add	2.08	
	For Color Anodized Finish, Add	2.91	
08 51 13 00-0053	4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		
08 51 13 00-0054	EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,309.19	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	23.50	
	For 70% Fluoropolymer Finish (Duranar), Add	70.51	
	For Clear Anodized Finish, Add	58.76	
	For Color Anodized Finish, Add	82.27	
08 51 13 00-0055	EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,436.16	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	25.89	
	For 70% Fluoropolymer Finish (Duranar), Add	77.66	
	For Clear Anodized Finish, Add	64.72	
	For Color Anodized Finish, Add	90.60	
08 51 13 00-0056	EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,585.60	89.84
	For 50% Fluoropolymer Finish (Acrynar), Add	28.72	
	For 70% Fluoropolymer Finish (Duranar), Add	86.15	
	For Clear Anodized Finish, Add	71.79	
	For Color Anodized Finish, Add	100.51	
08 51 13 00-0057	EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,838.43	94.56
	For 50% Fluoropolymer Finish (Acrynar), Add	33.62	
	For 70% Fluoropolymer Finish (Duranar), Add	100.85	
	For Clear Anodized Finish, Add	84.04	
	For Color Anodized Finish, Add	117.66	
08 51 13 00-0058	SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	60.68	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	1.12	
	For 70% Fluoropolymer Finish (Duranar), Add	3.36	
	For Clear Anodized Finish, Add	2.80	
	For Color Anodized Finish, Add	3.92	
08 51 13 00-0059	5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060	EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,817.03	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	33.66	
	For 70% Fluoropolymer Finish (Duranar), Add	100.98	
	For Clear Anodized Finish, Add	84.15	
	For Color Anodized Finish, Add	117.81	
08 51 13 00-0061	EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,959.73	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	36.36	
	For 70% Fluoropolymer Finish (Duranar), Add	109.07	
	For Clear Anodized Finish, Add	90.89	
	For Color Anodized Finish, Add	127.25	
08 51 13 00-0062	EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,122.66	89.84
	For 50% Fluoropolymer Finish (Acrynar), Add	39.46	
	For 70% Fluoropolymer Finish (Duranar), Add	118.38	
	For Clear Anodized Finish, Add	98.65	
	For Color Anodized Finish, Add	138.11	
08 51 13 00-0063	EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	2,406.94	94.56
	For 50% Fluoropolymer Finish (Acrynar), Add	44.99	
	For 70% Fluoropolymer Finish (Duranar), Add	134.96	
	For Clear Anodized Finish, Add	112.47	
	For Color Anodized Finish, Add	157.45	
08 51 13 00-0064	SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	79.78	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	1.50	
	For 70% Fluoropolymer Finish (Duranar), Add	4.50	
	For Clear Anodized Finish, Add	3.75	
	For Color Anodized Finish, Add	5.25	
08 51 13 00-0065	Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	472.13	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	6.92	
			For 70% Fluoropolymer Finish (Duranar), Add	20.76	
			For Clear Anodized Finish, Add	17.30	
			For Color Anodized Finish, Add	24.22	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	533.95	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	8.00	
			For 70% Fluoropolymer Finish (Duranar), Add	24.00	
			For Clear Anodized Finish, Add	20.00	
			For Color Anodized Finish, Add	28.00	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	580.02	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	8.76	
			For 70% Fluoropolymer Finish (Duranar), Add	26.29	
			For Clear Anodized Finish, Add	21.91	
			For Color Anodized Finish, Add	30.67	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	628.35	89.84
			For 50% Fluoropolymer Finish (Acrynar), Add	9.57	
			For 70% Fluoropolymer Finish (Duranar), Add	28.72	
			For Clear Anodized Finish, Add	23.93	
			For Color Anodized Finish, Add	33.50	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	728.37	94.56
			For 50% Fluoropolymer Finish (Acrynar), Add	11.42	
			For 70% Fluoropolymer Finish (Duranar), Add	34.25	
			For Clear Anodized Finish, Add	28.54	
			For Color Anodized Finish, Add	39.95	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	23.76	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.38	
			For 70% Fluoropolymer Finish (Duranar), Add	1.14	
			For Clear Anodized Finish, Add	0.95	
			For Color Anodized Finish, Add	1.33	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) <small>(08 51 13 00-0065)</small>		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	757.51	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	12.63	
			For 70% Fluoropolymer Finish (Duranar), Add	37.89	
			For Clear Anodized Finish, Add	31.57	
			For Color Anodized Finish, Add	44.20	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	855.28	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	14.43	
			For 70% Fluoropolymer Finish (Duranar), Add	43.28	
			For Clear Anodized Finish, Add	36.07	
			For Color Anodized Finish, Add	50.49	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	932.81	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	15.82	
			For 70% Fluoropolymer Finish (Duranar), Add	47.46	
			For Clear Anodized Finish, Add	39.55	
			For Color Anodized Finish, Add	55.37	
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,008.10	89.84
			For 50% Fluoropolymer Finish (Acrynar), Add	17.17	
			For 70% Fluoropolymer Finish (Duranar), Add	51.50	
			For Clear Anodized Finish, Add	42.92	
			For Color Anodized Finish, Add	60.09	
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,173.29	94.56
			For 50% Fluoropolymer Finish (Acrynar), Add	20.31	
			For 70% Fluoropolymer Finish (Duranar), Add	60.94	
			For Clear Anodized Finish, Add	50.78	
			For Color Anodized Finish, Add	71.10	
08 51 13 00-0080	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	38.59	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.68	
			For 70% Fluoropolymer Finish (Duranar), Add	2.03	
			For Clear Anodized Finish, Add	1.69	
			For Color Anodized Finish, Add	2.37	
08 51 13 00-0081			Two Rolling Sashes, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0082			3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <small>(08 51 13 00-0081)</small>		
08 51 13 00-0083	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	530.55	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	8.09	
			For 70% Fluoropolymer Finish (Duranar), Add	24.27	
			For Clear Anodized Finish, Add	20.22	
			For Color Anodized Finish, Add	28.31	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0084	EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	610.35	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	9.53	
	For 70% Fluoropolymer Finish (Duranar), Add	28.58	
	For Clear Anodized Finish, Add	23.82	
	For Color Anodized Finish, Add	33.35	
08 51 13 00-0085	EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	663.16	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	10.43	
	For 70% Fluoropolymer Finish (Duranar), Add	31.28	
	For Clear Anodized Finish, Add	26.07	
	For Color Anodized Finish, Add	36.49	
08 51 13 00-0086	EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	707.00	89.84
	For 50% Fluoropolymer Finish (Acrynar), Add	11.15	
	For 70% Fluoropolymer Finish (Duranar), Add	33.44	
	For Clear Anodized Finish, Add	27.86	
	For Color Anodized Finish, Add	39.01	
08 51 13 00-0087	EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	820.50	94.56
	For 50% Fluoropolymer Finish (Acrynar), Add	13.26	
	For 70% Fluoropolymer Finish (Duranar), Add	39.77	
	For Clear Anodized Finish, Add	33.14	
	For Color Anodized Finish, Add	46.40	
08 51 13 00-0088	SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	26.82	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	0.44	
	For 70% Fluoropolymer Finish (Duranar), Add	1.33	
	For Clear Anodized Finish, Add	1.10	
	For Color Anodized Finish, Add	1.55	
08 51 13 00-0089	Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0090	4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,382.20	75.65
	For 50% Fluoropolymer Finish (Acrynar), Add	25.12	
	For 70% Fluoropolymer Finish (Duranar), Add	75.37	
	For Clear Anodized Finish, Add	62.81	
	For Color Anodized Finish, Add	87.93	
08 51 13 00-0092	EA >12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,590.65	87.47
	For 50% Fluoropolymer Finish (Acrynar), Add	28.90	
	For 70% Fluoropolymer Finish (Duranar), Add	86.69	
	For Clear Anodized Finish, Add	72.24	
	For Color Anodized Finish, Add	101.14	
08 51 13 00-0093	EA >18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,719.87	92.20
	For 50% Fluoropolymer Finish (Acrynar), Add	31.32	
	For 70% Fluoropolymer Finish (Duranar), Add	93.97	
	For Clear Anodized Finish, Add	78.31	
	For Color Anodized Finish, Add	109.63	
08 51 13 00-0094	EA >24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,081.13	104.01
	For 50% Fluoropolymer Finish (Acrynar), Add	38.16	
	For 70% Fluoropolymer Finish (Duranar), Add	114.47	
	For Clear Anodized Finish, Add	95.39	
	For Color Anodized Finish, Add	133.54	
08 51 13 00-0095	EA >40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,403.63	118.20
	For 50% Fluoropolymer Finish (Acrynar), Add	44.13	
	For 70% Fluoropolymer Finish (Duranar), Add	132.40	
	For Clear Anodized Finish, Add	110.33	
	For Color Anodized Finish, Add	154.46	
08 51 13 00-0096	SF >60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	41.49	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	0.74	
	For 70% Fluoropolymer Finish (Duranar), Add	2.21	
	For Clear Anodized Finish, Add	1.84	
	For Color Anodized Finish, Add	2.57	
08 51 13 00-0097	Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098	2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	366.52	75.65
	For 50% Fluoropolymer Finish (Acrynar), Add	4.81	
	For 70% Fluoropolymer Finish (Duranar), Add	14.43	
	For Clear Anodized Finish, Add	12.02	
	For Color Anodized Finish, Add	16.83	
08 51 13 00-0100	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	419.35	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	5.71	
	For 70% Fluoropolymer Finish (Duranar), Add	17.12	
	For Clear Anodized Finish, Add	14.27	
	For Color Anodized Finish, Add	19.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	442.95 6.02 18.07 15.06 21.08	85.11
08 51	13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	466.56 6.34 19.01 15.84 22.18	89.84
08 51	13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	620.51 9.26 27.77 23.15 32.40	94.56
08 51	13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	20.17 0.31 0.93 0.77 1.08	2.84
08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13					
08 51	13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	465.39 6.79 20.36 16.97 23.75	75.65
08 51	13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	533.95 8.00 24.00 20.00 28.00	80.37
08 51	13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	575.53 8.67 26.02 21.68 30.36	85.11
08 51	13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	619.36 9.39 28.18 23.48 32.87	89.84
08 51	13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	820.50 13.26 39.77 33.14 46.40	94.56
08 51	13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	26.82 0.44 1.33 1.10 1.55	2.84
08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13					
08 51	13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	397.98 5.44 16.31 13.60 19.03	75.65
08 51	13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	466.54 6.65 19.95 16.63 23.28	80.37
08 51	13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	503.62 7.24 21.71 18.09 25.32	85.11
08 51	13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	542.96 7.86 23.59 19.66 27.53	89.84
08 51	13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	732.86 11.51 34.52 28.76 40.27	94.56
08 51	13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	23.90 0.38 1.15 0.96 1.34	2.84

08 Openings**08 50 Windows****08 51 Metal Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0119			4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)		
08 51 13 00-0120	EA		Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	395.73	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	5.39	
			For 70% Fluoropolymer Finish (Duranar), Add	16.18	
			For Clear Anodized Finish, Add	13.48	
			For Color Anodized Finish, Add	18.88	
08 51 13 00-0121	EA		>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	457.55	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	6.47	
			For 70% Fluoropolymer Finish (Duranar), Add	19.41	
			For Clear Anodized Finish, Add	16.18	
			For Color Anodized Finish, Add	22.65	
08 51 13 00-0122	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	494.63	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	7.06	
			For 70% Fluoropolymer Finish (Duranar), Add	21.17	
			For Clear Anodized Finish, Add	17.64	
			For Color Anodized Finish, Add	24.70	
08 51 13 00-0123	EA		>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	533.97	89.84
			For 50% Fluoropolymer Finish (Acrynar), Add	7.69	
			For 70% Fluoropolymer Finish (Duranar), Add	23.06	
			For Clear Anodized Finish, Add	19.21	
			For Color Anodized Finish, Add	26.90	
08 51 13 00-0124	EA		>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	723.87	94.56
			For 50% Fluoropolymer Finish (Acrynar), Add	11.33	
			For 70% Fluoropolymer Finish (Duranar), Add	33.98	
			For Clear Anodized Finish, Add	28.31	
			For Color Anodized Finish, Add	39.64	
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	23.61	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.38	
			For 70% Fluoropolymer Finish (Duranar), Add	1.13	
			For Clear Anodized Finish, Add	0.94	
			For Color Anodized Finish, Add	1.32	
08 51 13 00-0126			Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127			Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	535.50	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	8.19	
			For 70% Fluoropolymer Finish (Duranar), Add	24.57	
			For Clear Anodized Finish, Add	20.47	
			For Color Anodized Finish, Add	28.66	
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	580.91	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	8.94	
			For 70% Fluoropolymer Finish (Duranar), Add	26.82	
			For Clear Anodized Finish, Add	22.35	
			For Color Anodized Finish, Add	31.29	
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	633.95	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	9.84	
			For 70% Fluoropolymer Finish (Duranar), Add	29.53	
			For Clear Anodized Finish, Add	24.61	
			For Color Anodized Finish, Add	34.45	
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	37.54	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.66	
			For 70% Fluoropolymer Finish (Duranar), Add	1.97	
			For Clear Anodized Finish, Add	1.64	
			For Color Anodized Finish, Add	2.30	
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	734.16	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	12.16	
			For 70% Fluoropolymer Finish (Duranar), Add	36.48	
			For Clear Anodized Finish, Add	30.40	
			For Color Anodized Finish, Add	42.57	
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	812.39	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	13.57	
			For 70% Fluoropolymer Finish (Duranar), Add	40.71	
			For Clear Anodized Finish, Add	33.92	
			For Color Anodized Finish, Add	47.49	
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	903.60	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	15.24	
			For 70% Fluoropolymer Finish (Duranar), Add	45.71	
			For Clear Anodized Finish, Add	38.09	
			For Color Anodized Finish, Add	53.32	
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	55.51	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.02	
			For 70% Fluoropolymer Finish (Duranar), Add	3.05	
			For Clear Anodized Finish, Add	2.54	
			For Color Anodized Finish, Add	3.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0138			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		
08 51 13 00-0139	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	808.68	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	13.65	
			For 70% Fluoropolymer Finish (Duranar), Add	40.96	
			For Clear Anodized Finish, Add	34.13	
			For Color Anodized Finish, Add	47.78	
08 51 13 00-0140	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	899.17	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	15.30	
			For 70% Fluoropolymer Finish (Duranar), Add	45.91	
			For Clear Anodized Finish, Add	38.26	
			For Color Anodized Finish, Add	53.56	
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,004.72	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	17.26	
			For 70% Fluoropolymer Finish (Duranar), Add	51.77	
			For Clear Anodized Finish, Add	43.14	
			For Color Anodized Finish, Add	60.40	
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	62.26	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.15	
			For 70% Fluoropolymer Finish (Duranar), Add	3.45	
			For Clear Anodized Finish, Add	2.88	
			For Color Anodized Finish, Add	4.03	
08 51 13 00-0143			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)		
08 51 13 00-0144	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	860.00	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	14.68	
			For 70% Fluoropolymer Finish (Duranar), Add	44.04	
			For Clear Anodized Finish, Add	36.70	
			For Color Anodized Finish, Add	51.37	
08 51 13 00-0145	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	958.96	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	16.50	
			For 70% Fluoropolymer Finish (Duranar), Add	49.50	
			For Clear Anodized Finish, Add	41.25	
			For Color Anodized Finish, Add	57.75	
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	1,074.38	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	18.65	
			For 70% Fluoropolymer Finish (Duranar), Add	55.95	
			For Clear Anodized Finish, Add	46.63	
			For Color Anodized Finish, Add	65.28	
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	66.91	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.24	
			For 70% Fluoropolymer Finish (Duranar), Add	3.73	
			For Clear Anodized Finish, Add	3.11	
			For Color Anodized Finish, Add	4.35	
08 51 13 00-0148			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)		
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	853.37	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	14.55	
			For 70% Fluoropolymer Finish (Duranar), Add	43.64	
			For Clear Anodized Finish, Add	36.36	
			For Color Anodized Finish, Add	50.91	
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	951.26	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	16.35	
			For 70% Fluoropolymer Finish (Duranar), Add	49.04	
			For Clear Anodized Finish, Add	40.86	
			For Color Anodized Finish, Add	57.21	
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,065.39	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	18.47	
			For 70% Fluoropolymer Finish (Duranar), Add	55.41	
			For Clear Anodized Finish, Add	46.18	
			For Color Anodized Finish, Add	64.65	
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	66.30	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.23	
			For 70% Fluoropolymer Finish (Duranar), Add	3.69	
			For Clear Anodized Finish, Add	3.08	
			For Color Anodized Finish, Add	4.31	
08 51 13 00-0153			Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0154			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	752.39 12.53 37.58 31.32 43.84	75.65
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	833.60 13.99 41.98 34.98 48.97	80.37
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	928.32 15.73 47.19 39.32 55.05	85.11
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	57.09 1.05 3.14 2.62 3.67	2.84
08 51 13 00-0159			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,066.95 18.82 56.45 47.04 65.86	75.65
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,200.07 21.32 63.97 53.31 74.63	80.37
08 51 13 00-0162	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,355.26 24.27 72.81 60.67 84.94	85.11
08 51 13 00-0163	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	85.62 1.62 4.85 4.04 5.66	2.84
08 51 13 00-0164			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,133.18 20.14 60.43 50.36 70.50	75.65
08 51 13 00-0166	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,277.22 22.87 68.60 57.16 80.03	80.37
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,445.15 26.07 78.20 65.17 91.23	85.11
08 51 13 00-0168	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	91.47 1.73 5.20 4.34 6.07	2.84
08 51 13 00-0169			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,126.57 20.01 60.03 50.02 70.03	75.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0171	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,269.51	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	22.71	
			For 70% Fluoropolymer Finish (Duranar), Add	68.13	
			For Clear Anodized Finish, Add	56.78	
			For Color Anodized Finish, Add	79.49	
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,436.16	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	25.89	
			For 70% Fluoropolymer Finish (Duranar), Add	77.66	
			For Clear Anodized Finish, Add	64.72	
			For Color Anodized Finish, Add	90.60	
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	91.02	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.73	
			For 70% Fluoropolymer Finish (Duranar), Add	5.18	
			For Clear Anodized Finish, Add	4.31	
			For Color Anodized Finish, Add	6.04	
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,229.22	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	22.06	
			For 70% Fluoropolymer Finish (Duranar), Add	66.19	
			For Clear Anodized Finish, Add	55.16	
			For Color Anodized Finish, Add	77.22	
08 51 13 00-0176	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,389.10	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	25.10	
			For 70% Fluoropolymer Finish (Duranar), Add	75.31	
			For Clear Anodized Finish, Add	62.76	
			For Color Anodized Finish, Add	87.86	
08 51 13 00-0177	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,575.48	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	28.67	
			For 70% Fluoropolymer Finish (Duranar), Add	86.02	
			For Clear Anodized Finish, Add	71.68	
			For Color Anodized Finish, Add	100.35	
08 51 13 00-0178	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	100.23	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.91	
			For 70% Fluoropolymer Finish (Duranar), Add	5.73	
			For Clear Anodized Finish, Add	4.78	
			For Color Anodized Finish, Add	6.69	
08 51 13 00-0179			Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180			Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	616.62	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	9.81	
			For 70% Fluoropolymer Finish (Duranar), Add	29.43	
			For Clear Anodized Finish, Add	24.53	
			For Color Anodized Finish, Add	34.34	
08 51 13 00-0183	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	675.43	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	10.83	
			For 70% Fluoropolymer Finish (Duranar), Add	32.49	
			For Clear Anodized Finish, Add	27.07	
			For Color Anodized Finish, Add	37.90	
08 51 13 00-0184	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	744.06	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	12.04	
			For 70% Fluoropolymer Finish (Duranar), Add	36.13	
			For Clear Anodized Finish, Add	30.11	
			For Color Anodized Finish, Add	42.16	
08 51 13 00-0185	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	44.89	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.80	
			For 70% Fluoropolymer Finish (Duranar), Add	2.41	
			For Clear Anodized Finish, Add	2.01	
			For Color Anodized Finish, Add	2.81	
08 51 13 00-0186			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	917.95	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	15.84	
			For 70% Fluoropolymer Finish (Duranar), Add	47.51	
			For Clear Anodized Finish, Add	39.59	
			For Color Anodized Finish, Add	55.43	
08 51 13 00-0188	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,026.47	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	17.85	
			For 70% Fluoropolymer Finish (Duranar), Add	53.55	
			For Clear Anodized Finish, Add	44.63	
			For Color Anodized Finish, Add	62.48	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0189	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,153.03	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	20.22	
	For 70% Fluoropolymer Finish (Duranar), Add	60.67	
	For Clear Anodized Finish, Add	50.56	
	For Color Anodized Finish, Add	70.78	
08 51 13 00-0190	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	72.14	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	1.35	
	For 70% Fluoropolymer Finish (Duranar), Add	4.04	
	For Clear Anodized Finish, Add	3.37	
	For Color Anodized Finish, Add	4.72	
08 51 13 00-0191	3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	922.92	75.65
	For 50% Fluoropolymer Finish (Acrynar), Add	15.94	
	For 70% Fluoropolymer Finish (Duranar), Add	47.81	
	For Clear Anodized Finish, Add	39.84	
	For Color Anodized Finish, Add	55.78	
08 51 13 00-0193	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,032.26	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	17.97	
	For 70% Fluoropolymer Finish (Duranar), Add	53.90	
	For Clear Anodized Finish, Add	44.91	
	For Color Anodized Finish, Add	62.88	
08 51 13 00-0194	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,159.77	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	20.36	
	For 70% Fluoropolymer Finish (Duranar), Add	61.08	
	For Clear Anodized Finish, Add	50.90	
	For Color Anodized Finish, Add	71.26	
08 51 13 00-0195	SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	72.59	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	1.36	
	For 70% Fluoropolymer Finish (Duranar), Add	4.07	
	For Clear Anodized Finish, Add	3.39	
	For Color Anodized Finish, Add	4.75	
08 51 13 00-0196	4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	974.24	75.65
	For 50% Fluoropolymer Finish (Acrynar), Add	16.96	
	For 70% Fluoropolymer Finish (Duranar), Add	50.89	
	For Clear Anodized Finish, Add	42.41	
	For Color Anodized Finish, Add	59.37	
08 51 13 00-0198	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	1,092.06	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	19.16	
	For 70% Fluoropolymer Finish (Duranar), Add	57.49	
	For Clear Anodized Finish, Add	47.90	
	For Color Anodized Finish, Add	67.07	
08 51 13 00-0199	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	1,229.43	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	21.75	
	For 70% Fluoropolymer Finish (Duranar), Add	65.26	
	For Clear Anodized Finish, Add	54.38	
	For Color Anodized Finish, Add	76.13	
08 51 13 00-0200	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	77.24	2.84
	For 50% Fluoropolymer Finish (Acrynar), Add	1.45	
	For 70% Fluoropolymer Finish (Duranar), Add	4.35	
	For Clear Anodized Finish, Add	3.63	
	For Color Anodized Finish, Add	5.08	
08 51 13 00-0201	Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202	2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	707.68	75.65
	For 50% Fluoropolymer Finish (Acrynar), Add	11.63	
	For 70% Fluoropolymer Finish (Duranar), Add	34.90	
	For Clear Anodized Finish, Add	29.08	
	For Color Anodized Finish, Add	40.71	
08 51 13 00-0204	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	781.51	80.37
	For 50% Fluoropolymer Finish (Acrynar), Add	12.95	
	For 70% Fluoropolymer Finish (Duranar), Add	38.85	
	For Clear Anodized Finish, Add	32.38	
	For Color Anodized Finish, Add	45.33	
08 51 13 00-0205	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	867.65	85.11
	For 50% Fluoropolymer Finish (Acrynar), Add	14.52	
	For 70% Fluoropolymer Finish (Duranar), Add	43.55	
	For Clear Anodized Finish, Add	36.29	
	For Color Anodized Finish, Add	50.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	53.11	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	0.97	
			For 70% Fluoropolymer Finish (Duranar), Add	2.90	
			For Clear Anodized Finish, Add	2.42	
			For Color Anodized Finish, Add	3.39	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,009.00	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	17.66	
			For 70% Fluoropolymer Finish (Duranar), Add	52.98	
			For Clear Anodized Finish, Add	44.15	
			For Color Anodized Finish, Add	61.80	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,132.55	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	19.97	
			For 70% Fluoropolymer Finish (Duranar), Add	59.91	
			For Clear Anodized Finish, Add	49.93	
			For Color Anodized Finish, Add	69.90	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	1,276.62	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	22.70	
			For 70% Fluoropolymer Finish (Duranar), Add	68.09	
			For Clear Anodized Finish, Add	56.74	
			For Color Anodized Finish, Add	79.43	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	80.39	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.51	
			For 70% Fluoropolymer Finish (Duranar), Add	4.54	
			For Clear Anodized Finish, Add	3.78	
			For Color Anodized Finish, Add	5.30	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,119.94	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	19.88	
			For 70% Fluoropolymer Finish (Duranar), Add	59.63	
			For Clear Anodized Finish, Add	49.69	
			For Color Anodized Finish, Add	69.57	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,261.80	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	22.56	
			For 70% Fluoropolymer Finish (Duranar), Add	67.67	
			For Clear Anodized Finish, Add	56.39	
			For Color Anodized Finish, Add	78.95	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	1,427.17	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	25.71	
			For 70% Fluoropolymer Finish (Duranar), Add	77.12	
			For Clear Anodized Finish, Add	64.27	
			For Color Anodized Finish, Add	89.97	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	90.41	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.71	
			For 70% Fluoropolymer Finish (Duranar), Add	5.14	
			For Clear Anodized Finish, Add	4.28	
			For Color Anodized Finish, Add	6.00	
08 51 13 00-0217			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,220.92	75.65
			For 50% Fluoropolymer Finish (Acrynar), Add	21.90	
			For 70% Fluoropolymer Finish (Duranar), Add	65.69	
			For Clear Anodized Finish, Add	54.74	
			For Color Anodized Finish, Add	76.64	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,379.46	80.37
			For 50% Fluoropolymer Finish (Acrynar), Add	24.91	
			For 70% Fluoropolymer Finish (Duranar), Add	74.73	
			For Clear Anodized Finish, Add	62.27	
			For Color Anodized Finish, Add	87.18	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	1,564.24	85.11
			For 50% Fluoropolymer Finish (Acrynar), Add	28.45	
			For 70% Fluoropolymer Finish (Duranar), Add	85.34	
			For Clear Anodized Finish, Add	71.12	
			For Color Anodized Finish, Add	99.57	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	99.56	2.84
			For 50% Fluoropolymer Finish (Acrynar), Add	1.90	
			For 70% Fluoropolymer Finish (Duranar), Add	5.69	
			For Clear Anodized Finish, Add	4.74	
			For Color Anodized Finish, Add	6.64	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 51 13 00-0222		Aluminum Window Accessories <small>(08 51 13)</small>			
08 51 13 00-0223		Aluminum Window Mullions <small>(08 51 13 00-0222)</small>			
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows.....	20.86		3.54
		For 50% Fluoropolymer Finish (Acrynar), Add	0.29		
		For 70% Fluoropolymer Finish (Duranar), Add	0.86		
		For Clear Anodized Finish, Add	0.72		
		For Color Anodized Finish, Add	1.00		
08 51 13 00-0225		Aluminum Window Panning <small>(08 51 13 00-0222)</small>			
		Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.			
08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning.....	217.52		28.78
		For 50% Fluoropolymer Finish (Acrynar), Add	3.39		
		For 70% Fluoropolymer Finish (Duranar), Add	10.17		
		For Clear Anodized Finish, Add	8.48		
		For Color Anodized Finish, Add	11.87		
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning.....	298.54		47.97
		For 50% Fluoropolymer Finish (Acrynar), Add	4.37		
		For 70% Fluoropolymer Finish (Duranar), Add	13.11		
		For Clear Anodized Finish, Add	10.93		
		For Color Anodized Finish, Add	15.30		
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning.....	358.96		71.97
		For 50% Fluoropolymer Finish (Acrynar), Add	4.78		
		For 70% Fluoropolymer Finish (Duranar), Add	14.34		
		For Clear Anodized Finish, Add	11.95		
		For Color Anodized Finish, Add	16.73		
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning.....	423.45		95.96
		For 50% Fluoropolymer Finish (Acrynar), Add	5.27		
		For 70% Fluoropolymer Finish (Duranar), Add	15.81		
		For Clear Anodized Finish, Add	13.18		
		For Color Anodized Finish, Add	18.45		
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning.....	550.40		143.93
		For 50% Fluoropolymer Finish (Acrynar), Add	6.21		
		For 70% Fluoropolymer Finish (Duranar), Add	18.63		
		For Clear Anodized Finish, Add	15.53		
		For Color Anodized Finish, Add	21.74		
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning.....	19.70		6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	0.19		
		For 70% Fluoropolymer Finish (Duranar), Add	0.58		
		For Clear Anodized Finish, Add	0.49		
		For Color Anodized Finish, Add	0.68		
08 51 13 00-0232		Aluminum Window Muntins, Grilles Or Dividers <small>(08 51 13 00-0222)</small>			
08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....	5.65		3.54
		For 50% Fluoropolymer Finish (Acrynar), Add	0.02		
		For 70% Fluoropolymer Finish (Duranar), Add	0.06		
		For Clear Anodized Finish, Add	0.05		
		For Color Anodized Finish, Add	0.06		
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows.....	8.30		3.54
		For 50% Fluoropolymer Finish (Acrynar), Add	0.07		
		For 70% Fluoropolymer Finish (Duranar), Add	0.21		
		For Clear Anodized Finish, Add	0.18		
		For Color Anodized Finish, Add	0.25		
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	16.93		3.54
		For 50% Fluoropolymer Finish (Acrynar), Add	0.10		
		For 70% Fluoropolymer Finish (Duranar), Add	0.31		
		For Clear Anodized Finish, Add	0.26		
		For Color Anodized Finish, Add	0.36		
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	20.55		3.54
		For 50% Fluoropolymer Finish (Acrynar), Add	0.14		
		For 70% Fluoropolymer Finish (Duranar), Add	0.43		
		For Clear Anodized Finish, Add	0.36		
		For Color Anodized Finish, Add	0.50		
08 51 13 00-0237		Other Aluminum Window Accessories <small>(08 51 13 00-0222)</small>			
08 51 13 00-0238	EA	Rot Operator For Casement Aluminum Windows.....	177.13		15.75
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows.....	87.25		15.75
08 51 19		Stainless-Steel Windows <small>(08 51)</small>			
		See CSI section 08 80 00 00-0000 for glazing.			
08 51 19 00-0001		Stainless Steel Windows Types <small>(08 51 19)</small>			
08 51 19 00-0002		Industrial <small>(08 51 19 00-0001)</small>			
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash.....	81.21		4.73
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash.....	60.52		4.73
08 51 19 00-0005		Projected Sash <small>(08 51 19 00-0001)</small>			
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel.....	85.08		4.73
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	94.23		4.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 19 00-0008			Casements (08 51 19 00-0001)		
08 51 19 00-0009	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	92.33	4.73
08 51 19 00-0010	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	79.46	4.73
08 51 19 00-0011	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed	55.19	4.73

08 51 19 00-0012			Other Type Sash (08 51 19 00-0001)		
08 51 19 00-0013	SF		Double Hung Stainless Steel Window Sash	103.35	4.73
08 51 19 00-0014	SF		Single Hung Stainless Steel Window Sash.....	72.26	4.73
08 51 19 00-0015	SF		Stainless Steel Picture Window Sash	59.91	4.73
08 51 19 00-0016	SF		Sliding Stainless Steel Window.....	106.70	4.73

08 51 23 Steel Windows (08 51)
 Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for for glazing.

08 51 23 00-0001			Steel Windows (08 51 23)		
08 51 23 00-0002			Industrial (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash	41.72	4.73
08 51 23 00-0004	SF		Industrial Steel Window, Fixed Sash	37.38	4.73
08 51 23 00-0005	SF		Industrial Steel Window, Operable Security Sash.....	59.50	4.73
08 51 23 00-0006	SF		Industrial Steel Window, Fixed Security Sash.....	50.83	4.73

08 51 23 00-0007			Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel.....	48.18	4.73
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel.....	52.95	4.73

08 51 23 00-0010			Other Type Sash (08 51 23 00-0001)		
08 51 23 00-0011	SF		Double Hung Steel Window Sash	61.37	4.73
08 51 23 00-0012	SF		Steel Picture Window Sash.....	27.41	4.73
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash	63.25	5.91
08 51 23 00-0014	SF		Single Hung Steel Window Sash	43.96	4.73

08 51 23 00-0015			Casements (08 51 23 00-0001)		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed	55.21	2.36
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed	48.00	2.36
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	34.39	3.54

08 51 23 00-0019			Mullions (08 51 23 00-0001)		
08 51 23 00-0020	LF		Open Faced Steel Mullion.....	20.85	3.54
08 51 23 00-0021	LF		Covered Steel Mullions.....	34.48	3.54

08 51 23 00-0022			Removal And Reinstallation Of Metal Window And Frame (08 51 23)		
			Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame.....	12.24	

08 51 66 Metal Window Screens (08 51)

08 51 66 00-0001			Aluminum Window Insect Screens (08 51 66)		
			Note: Includes aluminum frames.		
08 51 66 00-0002	SF		Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	7.44	1.18
08 51 66 00-0003	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	5.08	0.95
08 51 66 00-0004	SF		Repair Aluminum Mesh Screen Window	4.75	

08 51 69 Metal Storm Windows (08 51)

08 51 69 00-0001			Storm Windows (08 51 69)		
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen.....	28.89	2.36

08 52 Wood Windows (08 50)

08 52 11 Wood Windows (08 52)

08 52 11 00-0001			Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)		
			Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002			30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			(08 52 11 00-0001)		
08 52 11 00-0003	EA		20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	239.72	
			For Low-E Insulated Glass, Add	20.28	
			For Aluminum Clad Exterior, Add	21.73	
08 52 11 00-0004	EA		24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	254.55	
			For Low-E Insulated Glass, Add	21.74	
			For Aluminum Clad Exterior, Add	23.29	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	270.43 23.34 25.01	
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	278.89 24.22 25.95	
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	286.30 24.95 26.73	
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	295.81 25.97 27.82	
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	300.13 26.26 28.14	
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	319.10 28.30 30.32	
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	334.97 29.91 32.04	
08 52 11 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	254.55 21.74 23.29	
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	270.43 23.34 25.01	
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	284.10 24.95 26.73	
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	295.81 25.97 27.82	
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	303.22 26.70 28.60	
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	311.69 27.57 29.54	
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	319.10 28.30 30.32	
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	334.97 29.91 32.04	
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.85 31.51 33.76	
08 52 11 00-0022	36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	261.91 22.61 24.23	
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	277.78 24.22 25.95	
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	294.70 25.97 27.82	
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	302.12 26.70 28.60	
08 52 11 00-0027	EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	310.58 27.57 29.54	
08 52 11 00-0028	EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	318.00 28.30 30.32	
08 52 11 00-0029	EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	326.45 29.18 31.26	
08 52 11 00-0030	EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	341.28 30.64 32.82	
08 52 11 00-0031	EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.16 32.24 34.54	
08 52 11 00-0032	38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
	<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	271.53 23.34 25.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.41	
			<i>For Low-E Insulated Glass, Add</i>	24.95	
			<i>For Aluminum Clad Exterior, Add</i>	26.73	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	304.32	
			<i>For Low-E Insulated Glass, Add</i>	26.70	
			<i>For Aluminum Clad Exterior, Add</i>	28.60	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	312.79	
			<i>For Low-E Insulated Glass, Add</i>	27.57	
			<i>For Aluminum Clad Exterior, Add</i>	29.54	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.20	
			<i>For Low-E Insulated Glass, Add</i>	28.30	
			<i>For Aluminum Clad Exterior, Add</i>	30.32	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.66	
			<i>For Low-E Insulated Glass, Add</i>	29.18	
			<i>For Aluminum Clad Exterior, Add</i>	31.26	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.07	
			<i>For Low-E Insulated Glass, Add</i>	29.91	
			<i>For Aluminum Clad Exterior, Add</i>	32.04	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.95	
			<i>For Low-E Insulated Glass, Add</i>	31.51	
			<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.82	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	303.22	
			<i>For Low-E Insulated Glass, Add</i>	26.70	
			<i>For Aluminum Clad Exterior, Add</i>	28.60	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	319.10	
			<i>For Low-E Insulated Glass, Add</i>	28.30	
			<i>For Aluminum Clad Exterior, Add</i>	30.32	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	334.97	
			<i>For Low-E Insulated Glass, Add</i>	29.91	
			<i>For Aluminum Clad Exterior, Add</i>	32.04	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	342.40	
			<i>For Low-E Insulated Glass, Add</i>	30.64	
			<i>For Aluminum Clad Exterior, Add</i>	32.82	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.85	
			<i>For Low-E Insulated Glass, Add</i>	31.51	
			<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	358.27	
			<i>For Low-E Insulated Glass, Add</i>	32.24	
			<i>For Aluminum Clad Exterior, Add</i>	34.54	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	366.72	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.60	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.52	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	310.58	
			<i>For Low-E Insulated Glass, Add</i>	27.57	
			<i>For Aluminum Clad Exterior, Add</i>	29.54	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	326.45	
			<i>For Low-E Insulated Glass, Add</i>	29.18	
			<i>For Aluminum Clad Exterior, Add</i>	31.26	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	341.28	
			<i>For Low-E Insulated Glass, Add</i>	30.64	
			<i>For Aluminum Clad Exterior, Add</i>	32.82	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	349.75	
			<i>For Low-E Insulated Glass, Add</i>	31.51	
			<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	357.16	
			<i>For Low-E Insulated Glass, Add</i>	32.24	
			<i>For Aluminum Clad Exterior, Add</i>	34.54	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	365.62	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	373.03	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	389.95	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.83	
			<i>For Low-E Insulated Glass, Add</i>	37.20	
			<i>For Aluminum Clad Exterior, Add</i>	39.86	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.20	
		<i>For Low-E Insulated Glass, Add</i>	28.30	
		<i>For Aluminum Clad Exterior, Add</i>	30.32	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.07	
		<i>For Low-E Insulated Glass, Add</i>	29.91	
		<i>For Aluminum Clad Exterior, Add</i>	32.04	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.95	
		<i>For Low-E Insulated Glass, Add</i>	31.51	
		<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	359.37	
		<i>For Low-E Insulated Glass, Add</i>	32.24	
		<i>For Aluminum Clad Exterior, Add</i>	34.54	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.82	
		<i>For Low-E Insulated Glass, Add</i>	33.12	
		<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.24	
		<i>For Low-E Insulated Glass, Add</i>	33.85	
		<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.70	
		<i>For Low-E Insulated Glass, Add</i>	34.72	
		<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.62	
		<i>For Low-E Insulated Glass, Add</i>	36.47	
		<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.49	
		<i>For Low-E Insulated Glass, Add</i>	38.08	
		<i>For Aluminum Clad Exterior, Add</i>	40.80	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0071)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.07	
		<i>For Low-E Insulated Glass, Add</i>	29.91	
		<i>For Aluminum Clad Exterior, Add</i>	32.04	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.95	
		<i>For Low-E Insulated Glass, Add</i>	31.51	
		<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.82	
		<i>For Low-E Insulated Glass, Add</i>	33.12	
		<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.24	
		<i>For Low-E Insulated Glass, Add</i>	33.85	
		<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.70	
		<i>For Low-E Insulated Glass, Add</i>	34.72	
		<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.17	
		<i>For Low-E Insulated Glass, Add</i>	35.60	
		<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.62	
		<i>For Low-E Insulated Glass, Add</i>	36.47	
		<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.49	
		<i>For Low-E Insulated Glass, Add</i>	38.08	
		<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	432.37	
		<i>For Low-E Insulated Glass, Add</i>	39.68	
		<i>For Aluminum Clad Exterior, Add</i>	42.52	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0081)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.85	
		<i>For Low-E Insulated Glass, Add</i>	31.51	
		<i>For Aluminum Clad Exterior, Add</i>	33.76	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	366.72	
		<i>For Low-E Insulated Glass, Add</i>	33.12	
		<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.60	
		<i>For Low-E Insulated Glass, Add</i>	34.72	
		<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	391.06	
		<i>For Low-E Insulated Glass, Add</i>	35.60	
		<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.52	
		<i>For Low-E Insulated Glass, Add</i>	36.47	
		<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	406.94	
		<i>For Low-E Insulated Glass, Add</i>	37.20	
		<i>For Aluminum Clad Exterior, Add</i>	39.86	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.39	
		<i>For Low-E Insulated Glass, Add</i>	38.08	
		<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	431.27	
		<i>For Low-E Insulated Glass, Add</i>	39.68	
		<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.11	
		<i>For Low-E Insulated Glass, Add</i>	41.14	
		<i>For Aluminum Clad Exterior, Add</i>	44.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0093	EA		20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	357.16	
			<i>For Low-E Insulated Glass, Add</i>	32.24	
			<i>For Aluminum Clad Exterior, Add</i>	34.54	
08 52 11 00-0094	EA		24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	373.03	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Aluminum Clad Exterior, Add</i>	36.26	
08 52 11 00-0095	EA		28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	389.95	
			<i>For Low-E Insulated Glass, Add</i>	35.60	
			<i>For Aluminum Clad Exterior, Add</i>	38.14	
08 52 11 00-0096	EA		30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	398.42	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0097	EA		32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.83	
			<i>For Low-E Insulated Glass, Add</i>	37.20	
			<i>For Aluminum Clad Exterior, Add</i>	39.86	
08 52 11 00-0098	EA		34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.29	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0099	EA		36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	421.70	
			<i>For Low-E Insulated Glass, Add</i>	38.81	
			<i>For Aluminum Clad Exterior, Add</i>	41.58	
08 52 11 00-0100	EA		40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	437.58	
			<i>For Low-E Insulated Glass, Add</i>	40.41	
			<i>For Aluminum Clad Exterior, Add</i>	43.30	
08 52 11 00-0101	EA		44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	453.46	
			<i>For Low-E Insulated Glass, Add</i>	42.02	
			<i>For Aluminum Clad Exterior, Add</i>	45.02	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0103	EA		20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	367.82	
			<i>For Low-E Insulated Glass, Add</i>	33.12	
			<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0104	EA		24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.70	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0105	EA		28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.62	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0106	EA		30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.04	
			<i>For Low-E Insulated Glass, Add</i>	37.20	
			<i>For Aluminum Clad Exterior, Add</i>	39.86	
08 52 11 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.49	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	423.91	
			<i>For Low-E Insulated Glass, Add</i>	38.81	
			<i>For Aluminum Clad Exterior, Add</i>	41.58	
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	432.37	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	447.21	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	463.08	
			<i>For Low-E Insulated Glass, Add</i>	42.74	
			<i>For Aluminum Clad Exterior, Add</i>	45.80	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.70	
			<i>For Low-E Insulated Glass, Add</i>	34.72	
			<i>For Aluminum Clad Exterior, Add</i>	37.20	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	400.62	
			<i>For Low-E Insulated Glass, Add</i>	36.47	
			<i>For Aluminum Clad Exterior, Add</i>	39.08	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.49	
			<i>For Low-E Insulated Glass, Add</i>	38.08	
			<i>For Aluminum Clad Exterior, Add</i>	40.80	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	423.91	
			<i>For Low-E Insulated Glass, Add</i>	38.81	
			<i>For Aluminum Clad Exterior, Add</i>	41.58	
08 52 11 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	432.37	
			<i>For Low-E Insulated Glass, Add</i>	39.68	
			<i>For Aluminum Clad Exterior, Add</i>	42.52	
08 52 11 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	439.79	
			<i>For Low-E Insulated Glass, Add</i>	40.41	
			<i>For Aluminum Clad Exterior, Add</i>	43.30	
08 52 11 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	447.21	
			<i>For Low-E Insulated Glass, Add</i>	41.14	
			<i>For Aluminum Clad Exterior, Add</i>	44.08	
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	463.08	
			<i>For Low-E Insulated Glass, Add</i>	42.74	
			<i>For Aluminum Clad Exterior, Add</i>	45.80	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	478.95 44.35 47.52	
08 52 11 00-0122			70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.52 36.47 39.08	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	415.39 38.08 40.80	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	431.27 39.68 42.52	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	438.69 40.41 43.30	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	446.11 41.14 44.08	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	457.66 42.45 45.48	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	463.07 42.90 45.96	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	477.85 44.35 47.52	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	494.76 46.10 49.39	
08 52 11 00-0132			74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	416.49 38.08 40.80	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	432.37 39.68 42.52	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	447.21 41.14 44.08	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	455.67 42.02 45.02	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	463.08 42.74 45.80	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	471.54 43.62 46.74	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	478.95 44.35 47.52	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	495.87 46.10 49.39	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	511.75 47.71 51.11	
08 52 11 00-0142			78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	436.79 39.68 42.52	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	451.62 41.14 44.08	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	467.49 42.74 45.80	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	475.95 43.62 46.74	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	483.37 44.35 47.52	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	491.83 45.22 48.45	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	500.28 46.10 49.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	516.16	
			<i>For Low-E Insulated Glass, Add</i>	47.71	
			<i>For Aluminum Clad Exterior, Add</i>	51.11	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	532.03	
			<i>For Low-E Insulated Glass, Add</i>	49.31	
			<i>For Aluminum Clad Exterior, Add</i>	52.83	

08 52 11 00-0152 **Removal And Reinstallation Of Wood Window And Frame** (08 52 11)
 Note: Includes storage, cleaning and supply materials.

08 52 11 00-0153	SF		Removal And Reinstallation Of Wood Windows And Frames.....	24.58	
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08 52 16 Plastic-Clad Wood Windows (08 52)

08 52 16 00-0001 **Double Hung Wood Clad Windows** (08 52 16)

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0002 **Double Hung Wood Clad Windows (Andersen 200 TW Series)** (08 52 16 00-0001)

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 **35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** (08 52 16 00-0002)

08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	317.48	36.25
			<i>For Low-E Insulated Glass, Add</i>	29.40	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.00	
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	336.52	37.83
			<i>For Low-E Insulated Glass, Add</i>	31.30	
			<i>For Tempered Clear Insulated Glass, Add</i>	52.17	
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	354.23	39.40
			<i>For Low-E Insulated Glass, Add</i>	33.05	
			<i>For Tempered Clear Insulated Glass, Add</i>	55.09	
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	371.95	40.98
			<i>For Low-E Insulated Glass, Add</i>	34.80	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.00	

08 52 16 00-0008 **41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** (08 52 16 00-0002)

08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	344.71	38.62
			<i>For Low-E Insulated Glass, Add</i>	32.10	
			<i>For Tempered Clear Insulated Glass, Add</i>	53.50	
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	363.75	40.19
			<i>For Low-E Insulated Glass, Add</i>	34.01	
			<i>For Tempered Clear Insulated Glass, Add</i>	56.68	
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	381.48	41.77
			<i>For Low-E Insulated Glass, Add</i>	35.75	
			<i>For Tempered Clear Insulated Glass, Add</i>	59.59	
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	399.20	43.34
			<i>For Low-E Insulated Glass, Add</i>	37.50	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.50	

08 52 16 00-0013 **47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** (08 52 16 00-0002)

08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	371.95	40.98
			<i>For Low-E Insulated Glass, Add</i>	34.80	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.00	
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	389.68	42.56
			<i>For Low-E Insulated Glass, Add</i>	36.55	
			<i>For Tempered Clear Insulated Glass, Add</i>	60.91	
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	408.72	44.13
			<i>For Low-E Insulated Glass, Add</i>	38.46	
			<i>For Tempered Clear Insulated Glass, Add</i>	64.09	
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	426.43	45.71
			<i>For Low-E Insulated Glass, Add</i>	40.20	
			<i>For Tempered Clear Insulated Glass, Add</i>	67.00	

08 52 16 00-0018 **53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)** (08 52 16 00-0002)

08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	399.20	43.34
			<i>For Low-E Insulated Glass, Add</i>	37.50	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.50	
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	416.92	44.92
			<i>For Low-E Insulated Glass, Add</i>	39.25	
			<i>For Tempered Clear Insulated Glass, Add</i>	65.42	
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	434.63	46.49
			<i>For Low-E Insulated Glass, Add</i>	41.00	
			<i>For Tempered Clear Insulated Glass, Add</i>	68.33	
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	453.67	48.07
			<i>For Low-E Insulated Glass, Add</i>	42.90	
			<i>For Tempered Clear Insulated Glass, Add</i>	71.51	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0023			56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	394.44	43.34
			For Low-E Insulated Glass, Add	37.02	
			For Tempered Clear Insulated Glass, Add	61.71	
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	412.15	44.52
			For Low-E Insulated Glass, Add	38.77	
			For Tempered Clear Insulated Glass, Add	64.62	
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	431.20	46.49
			For Low-E Insulated Glass, Add	40.68	
			For Tempered Clear Insulated Glass, Add	67.80	
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	448.91	48.07
			For Low-E Insulated Glass, Add	42.43	
			For Tempered Clear Insulated Glass, Add	70.71	
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	466.63	49.64
			For Low-E Insulated Glass, Add	44.18	
			For Tempered Clear Insulated Glass, Add	73.63	
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	484.34	51.22
			For Low-E Insulated Glass, Add	45.92	
			For Tempered Clear Insulated Glass, Add	76.54	
08 52 16 00-0030			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	408.72	44.13
			For Low-E Insulated Glass, Add	38.46	
			For Tempered Clear Insulated Glass, Add	64.09	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	426.43	45.71
			For Low-E Insulated Glass, Add	40.20	
			For Tempered Clear Insulated Glass, Add	67.00	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	444.15	47.28
			For Low-E Insulated Glass, Add	41.95	
			For Tempered Clear Insulated Glass, Add	69.92	
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	461.87	48.86
			For Low-E Insulated Glass, Add	43.70	
			For Tempered Clear Insulated Glass, Add	72.83	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	479.58	50.43
			For Low-E Insulated Glass, Add	45.45	
			For Tempered Clear Insulated Glass, Add	75.74	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	498.62	52.01
			For Low-E Insulated Glass, Add	47.35	
			For Tempered Clear Insulated Glass, Add	78.92	
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	453.67	48.07
			For Low-E Insulated Glass, Add	42.90	
			For Tempered Clear Insulated Glass, Add	71.51	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	471.39	49.64
			For Low-E Insulated Glass, Add	44.65	
			For Tempered Clear Insulated Glass, Add	74.42	
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	489.11	51.22
			For Low-E Insulated Glass, Add	46.40	
			For Tempered Clear Insulated Glass, Add	77.33	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	506.82	52.80
			For Low-E Insulated Glass, Add	48.15	
			For Tempered Clear Insulated Glass, Add	80.25	
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	479.58	50.43
			For Low-E Insulated Glass, Add	45.45	
			For Tempered Clear Insulated Glass, Add	75.74	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	498.62	52.01
			For Low-E Insulated Glass, Add	47.35	
			For Tempered Clear Insulated Glass, Add	78.92	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	516.36	53.58
			For Low-E Insulated Glass, Add	49.10	
			For Tempered Clear Insulated Glass, Add	81.84	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	534.07	55.16
			For Low-E Insulated Glass, Add	50.85	
			For Tempered Clear Insulated Glass, Add	84.75	
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	396.14	36.25
			For Tempered Low-E Insulated Glass, Add	64.89	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	420.48	37.44
			For Tempered Low-E Insulated Glass, Add	69.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.14 73.63	39.01
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	459.64 76.01	40.19
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	471.80 78.13	40.98
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.97 80.25	41.77
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.47 82.63	42.16
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	43.74
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.31
08 52 16 00-0058			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.48 69.12	37.83
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.14 73.63	39.01
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	471.80 78.13	40.59
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	483.97 80.25	41.77
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.47 82.63	42.56
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	509.64 84.75	43.34
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	43.74
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.31
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	46.89
08 52 16 00-0068			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.14 73.63	39.40
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	471.80 78.13	40.59
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.47 82.63	42.16
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	509.64 84.75	43.34
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	44.13
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	535.31 89.25	44.92
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.31
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	46.89
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.46
08 52 16 00-0078			48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	471.80 78.13	40.98
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.47 82.63	42.16
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	43.74
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	535.31 89.25	44.92
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.71
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.64 93.49	46.49
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	46.89
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.46
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.04
08 52 16 00-0088			52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.47 82.63	42.56

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0090	EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	43.74
08 52 16 00-0091	EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.31
08 52 16 00-0092	EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.64 93.49	46.49
08 52 16 00-0093	EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	47.28
08 52 16 00-0094	EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.30 97.99	48.07
08 52 16 00-0095	EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.46
08 52 16 00-0096	EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.04
08 52 16 00-0097	EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	51.61
08 52 16 00-0098	56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0099	EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.81 86.87	44.13
08 52 16 00-0100	EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.31
08 52 16 00-0101	EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	46.89
08 52 16 00-0102	EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.30 97.99	48.07
08 52 16 00-0103	EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.86
08 52 16 00-0104	EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.97 102.49	49.64
08 52 16 00-0105	EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.04
08 52 16 00-0106	EA 41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	51.61
08 52 16 00-0107	EA 45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.19
08 52 16 00-0108	60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0109	EA 21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	547.47 91.37	45.71
08 52 16 00-0110	EA 25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	46.89
08 52 16 00-0111	EA 29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.46
08 52 16 00-0112	EA 31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	610.97 102.49	49.64
08 52 16 00-0113	EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.43
08 52 16 00-0114	EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	636.63 107.00	51.22
08 52 16 00-0115	EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	51.61
08 52 16 00-0116	EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.19
08 52 16 00-0117	EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	698.81 117.85	54.76
08 52 16 00-0118	64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0119	EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	573.13 95.87	47.28
08 52 16 00-0120	EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.46
08 52 16 00-0121	EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.04
08 52 16 00-0122	EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	636.63 107.00	51.22
08 52 16 00-0123	EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	52.01
08 52 16 00-0124	EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	660.96 111.23	52.80
08 52 16 00-0125	EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.19
08 52 16 00-0126	EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	698.81 117.85	54.76
08 52 16 00-0127	EA 45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.47 122.36	56.34
08 52 16 00-0128	68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.80 100.37	48.86
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.04
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	51.61
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	660.96 111.23	52.80
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.58
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.64 115.74	54.37
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	698.81 117.85	54.76
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.47 122.36	56.34
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.13 126.86	57.92
08 52 16 00-0138			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	623.14 104.61	50.43
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	51.61
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.19
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.64 115.74	54.37
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	698.81 117.85	55.16
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	712.30 120.24	55.95
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.47 122.36	56.34
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.13 126.86	57.92
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	775.79 131.36	59.50
08 52 16 00-0148			76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	648.80 109.11	52.01
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	674.46 113.62	53.19
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	698.81 117.85	54.76
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	712.30 120.24	55.95
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.47 122.36	56.73
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	737.96 124.74	57.52
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.13 126.86	57.92
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	775.79 131.36	59.50
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	800.13 135.60	61.08
08 52 16 00-0158			84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,013.97 180.89	55.16
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,050.22 187.51	56.34
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,086.48 194.13	57.92
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,103.95 197.31	59.10
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,122.73 200.75	59.89
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,140.20 203.93	60.68
08 52 16 00-0165	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,157.66 207.10	61.08
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,193.92 213.73	62.65
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,230.17 220.35	64.23

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0168			88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,050.22	56.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	187.51	
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,086.48	57.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	194.13	
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,122.73	59.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.75	
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,140.20	60.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	203.93	
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,157.66	61.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.10	
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,176.46	62.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	210.55	
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,193.92	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	213.73	
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,230.17	64.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	220.35	
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,266.44	65.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	226.97	
08 52 16 00-0178			Casement Wood Clad Windows (08 52 16)		
			Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
08 52 16 00-0179			Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180			One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0181			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	307.18	29.94
			<i>For Tempered Clear Insulated Glass, Add</i>	49.62	
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	324.94	30.73
			<i>For Tempered Clear Insulated Glass, Add</i>	52.69	
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	344.76	32.31
			<i>For Tempered Clear Insulated Glass, Add</i>	56.03	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	363.03	33.88
			<i>For Tempered Clear Insulated Glass, Add</i>	59.05	
08 52 16 00-0186			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	329.58	31.52
			<i>For Tempered Clear Insulated Glass, Add</i>	53.46	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	347.33	32.31
			<i>For Tempered Clear Insulated Glass, Add</i>	56.54	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	367.15	33.88
			<i>For Tempered Clear Insulated Glass, Add</i>	59.88	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	376.89	35.47
			<i>For Tempered Clear Insulated Glass, Add</i>	61.19	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	399.93	37.04
			<i>For Tempered Clear Insulated Glass, Add</i>	65.33	
08 52 16 00-0192			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	369.72	33.88
			<i>For Tempered Clear Insulated Glass, Add</i>	60.39	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	388.75	35.47
			<i>For Tempered Clear Insulated Glass, Add</i>	63.72	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	408.58	36.65
			<i>For Tempered Clear Insulated Glass, Add</i>	67.06	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	439.95	38.22
			<i>For Tempered Clear Insulated Glass, Add</i>	72.70	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	469.84	39.40
			<i>For Tempered Clear Insulated Glass, Add</i>	78.21	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	499.03	40.19
			<i>For Tempered Clear Insulated Glass, Add</i>	83.73	
08 52 16 00-0199			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	396.74	36.25
			<i>For Tempered Clear Insulated Glass, Add</i>	65.01	
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	414.49	37.04
			<i>For Tempered Clear Insulated Glass, Add</i>	68.08	
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	434.32	38.62
			<i>For Tempered Clear Insulated Glass, Add</i>	71.42	
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	479.79	40.19
			<i>For Tempered Clear Insulated Glass, Add</i>	79.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	511.13 85.68	41.77
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	540.47 90.91	43.34
08 52 16 00-0206			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	435.11 71.42	39.40
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	454.14 74.75	40.19
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	473.98 78.09	41.77
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	536.77 90.02	43.34
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	561.27 94.44	44.92
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	598.08 101.18	46.49
08 52 16 00-0213			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	461.34 76.04	40.98
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	479.11 79.11	41.77
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	498.94 82.45	43.34
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	576.48 97.33	44.92
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	613.13 104.19	46.49
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	637.14 108.36	48.07
08 52 16 00-0220			59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0221	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	498.94 82.45	43.34
08 52 16 00-0222	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	517.97 85.78	44.92
08 52 16 00-0223	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.80 89.12	46.10
08 52 16 00-0224	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	633.29 107.59	47.68
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	659.22 112.30	48.86
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	693.95 118.62	50.43
08 52 16 00-0227			64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	525.95 87.07	45.71
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	543.72 90.15	46.49
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	563.54 93.48	48.07
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	673.14 114.77	49.64
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	697.26 119.12	51.22
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	733.80 125.80	52.80
08 52 16 00-0234			71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	563.54 93.48	48.07
08 52 16 00-0236	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	582.57 96.81	49.64
08 52 16 00-0237	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	602.40 100.15	50.83
08 52 16 00-0238	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	729.96 125.03	52.40
08 52 16 00-0239	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	759.61 130.49	53.58
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	790.64 136.06	55.16

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0241		Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)			
08 52 16 00-0242		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	552.24		38.62
		For Tempered Clear Insulated Glass, Add	95.00		
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	628.01		41.77
		For Tempered Clear Insulated Glass, Add	108.89		
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	715.85		44.92
		For Tempered Clear Insulated Glass, Add	125.20		
08 52 16 00-0246		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	596.09		40.19
		For Tempered Clear Insulated Glass, Add	103.14		
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	671.86		43.34
		For Tempered Clear Insulated Glass, Add	117.03		
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	759.70		46.49
		For Tempered Clear Insulated Glass, Add	133.34		
08 52 16 00-0250		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	590.64		40.19
		For Tempered Clear Insulated Glass, Add	102.05		
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	667.99		43.34
		For Tempered Clear Insulated Glass, Add	116.42		
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	748.68		46.49
		For Tempered Clear Insulated Glass, Add	131.30		
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	842.19		49.25
		For Tempered Clear Insulated Glass, Add	148.74		
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	904.80		51.61
		For Tempered Clear Insulated Glass, Add	160.31		
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,009.22		55.16
		For Tempered Clear Insulated Glass, Add	179.78		
08 52 16 00-0257		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	644.61		42.16
		For Tempered Clear Insulated Glass, Add	112.06		
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	721.95		44.92
		For Tempered Clear Insulated Glass, Add	126.42		
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	802.64		48.07
		For Tempered Clear Insulated Glass, Add	141.30		
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	896.15		51.22
		For Tempered Clear Insulated Glass, Add	158.74		
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	965.58		53.58
		For Tempered Clear Insulated Glass, Add	171.68		
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,259.40		57.13
		For Tempered Clear Insulated Glass, Add	229.03		
08 52 16 00-0264		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	724.01		45.31
		For Tempered Clear Insulated Glass, Add	126.68		
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	802.64		48.07
		For Tempered Clear Insulated Glass, Add	141.30		
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	883.33		51.22
		For Tempered Clear Insulated Glass, Add	156.18		
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	976.85		54.37
		For Tempered Clear Insulated Glass, Add	173.62		
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,043.31		56.73
		For Tempered Clear Insulated Glass, Add	185.97		
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,143.87		60.29
		For Tempered Clear Insulated Glass, Add	204.66		
08 52 16 00-0271		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)			
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	777.18		46.89
		For Tempered Clear Insulated Glass, Add	136.68		
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	854.53		49.64
		For Tempered Clear Insulated Glass, Add	151.05		
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	925.70		52.80
		For Tempered Clear Insulated Glass, Add	164.02		
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,028.74		55.95
		For Tempered Clear Insulated Glass, Add	183.37		
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,098.41		58.31
		For Tempered Clear Insulated Glass, Add	196.36		
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,197.04		61.86
		For Tempered Clear Insulated Glass, Add	214.66		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0278			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	855.81	49.64
			<i>For Tempered Clear Insulated Glass, Add</i>	151.30	
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	933.14	52.80
			<i>For Tempered Clear Insulated Glass, Add</i>	165.67	
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,013.84	55.95
			<i>For Tempered Clear Insulated Glass, Add</i>	180.55	
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,107.37	58.70
			<i>For Tempered Clear Insulated Glass, Add</i>	197.99	
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,177.03	61.08
			<i>For Tempered Clear Insulated Glass, Add</i>	210.98	
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,274.37	64.62
			<i>For Tempered Clear Insulated Glass, Add</i>	229.03	
08 52 16 00-0285			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	909.77	51.61
			<i>For Tempered Clear Insulated Glass, Add</i>	161.31	
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	987.11	54.37
			<i>For Tempered Clear Insulated Glass, Add</i>	175.67	
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,069.09	57.52
			<i>For Tempered Clear Insulated Glass, Add</i>	190.81	
08 52 16 00-0289	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,162.60	60.68
			<i>For Tempered Clear Insulated Glass, Add</i>	208.25	
08 52 16 00-0290			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0291	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	988.40	54.37
			<i>For Tempered Clear Insulated Glass, Add</i>	175.93	
08 52 16 00-0292	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,065.73	57.52
			<i>For Tempered Clear Insulated Glass, Add</i>	190.29	
08 52 16 00-0293	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,146.43	60.68
			<i>For Tempered Clear Insulated Glass, Add</i>	205.17	
08 52 16 00-0294	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,239.95	63.44
			<i>For Tempered Clear Insulated Glass, Add</i>	222.62	
08 52 16 00-0295			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small>		
08 52 16 00-0296			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0297	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	877.52	50.83
			<i>For Tempered Clear Insulated Glass, Add</i>	155.17	
08 52 16 00-0298	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,021.29	55.95
			<i>For Tempered Clear Insulated Glass, Add</i>	181.88	
08 52 16 00-0299			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0300	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	931.47	52.40
			<i>For Tempered Clear Insulated Glass, Add</i>	165.33	
08 52 16 00-0301	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,065.73	57.52
			<i>For Tempered Clear Insulated Glass, Add</i>	190.14	
08 52 16 00-0302			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0303	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	896.41	51.22
			<i>For Tempered Clear Insulated Glass, Add</i>	158.79	
08 52 16 00-0304	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,011.78	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	180.29	
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,154.13	60.68
			<i>For Tempered Clear Insulated Glass, Add</i>	206.71	
08 52 16 00-0306			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	947.76	53.58
			<i>For Tempered Clear Insulated Glass, Add</i>	168.28	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,067.01 190.55	57.13
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,208.08 216.72	62.26
08 52 16 00-0310			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,146.43 205.17	60.29
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,287.50 231.34	65.41
08 52 16 00-0313			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,199.60 215.18	61.86
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,340.67 241.34	66.98
08 52 16 00-0316			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,276.93 229.54	64.62
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,419.29 255.96	70.13
08 52 16 00-0319			Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	366.82 61.54	29.94
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	388.43 65.39	30.73
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.42 69.56	32.31
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	434.46 73.34	33.88
08 52 16 00-0326			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	394.03 66.35	31.52
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.63 70.20	32.31
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	439.62 74.37	33.88
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	451.01 76.02	35.47
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	479.21 81.18	37.04
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	442.82 75.01	33.88
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	466.03 79.18	35.47
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	490.03 83.35	36.65
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	528.45 90.40	38.22
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	565.23 97.29	39.40
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	601.32 104.19	40.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	475.62	36.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.78	
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	497.22	37.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.63	
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	521.21	38.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.80	
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	577.27	40.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.38	
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	615.84	41.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.62	
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	651.74	43.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.17	

08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	522.00	39.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.80	
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	545.20	40.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.97	
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	569.22	41.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.14	
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	646.91	43.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.04	
08 52 16 00-0351	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	676.95	44.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.58	
08 52 16 00-0352	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	722.17	46.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.99	

08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0354	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	554.01	40.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.57	
08 52 16 00-0355	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	575.63	41.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.42	
08 52 16 00-0356	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	599.62	43.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.59	
08 52 16 00-0357	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	695.76	44.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.18	
08 52 16 00-0358	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	740.98	46.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.76	
08 52 16 00-0359	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	770.21	48.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.97	

08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	599.62	43.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.59	
08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	622.82	44.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.75	
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	646.81	46.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.92	
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	765.40	47.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.01	
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	797.22	48.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.90	
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	839.84	50.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.80	

08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	632.41	45.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.36	
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	654.02	46.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.21	
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	678.01	48.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.37	
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	814.23	49.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	142.99	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	843.78	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	148.43	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	888.67	52.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.77	

08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	678.01 116.37	48.07
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	701.21 120.54	49.64
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	725.20 124.71	50.83
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	883.86 155.81	52.40
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	920.34 162.63	53.58
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	958.33 169.60	55.16
08 52 16 00-0381			Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382			24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	666.23 117.80	38.62
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	759.37 135.17	41.77
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	867.59 155.55	44.92
08 52 16 00-0386			28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	720.26 127.98	40.19
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	813.40 145.34	43.34
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	921.61 165.72	46.49
08 52 16 00-0390			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	713.44 126.61	40.19
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	808.75 144.57	43.34
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	908.04 163.17	46.49
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,023.36 184.97	49.25
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,100.44 199.44	51.61
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,229.18 223.77	55.16
08 52 16 00-0397			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	779.92 139.12	42.16
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	875.22 157.08	44.92
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	974.50 175.67	48.07
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,089.82 197.48	51.22
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,175.41 213.65	53.58
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,540.92 285.33	57.13
08 52 16 00-0404			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	877.60 157.40	45.31
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	974.50 175.67	48.07
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,073.79 194.27	51.22
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,189.12 216.07	54.37
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,271.01 231.51	56.73
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,394.93 254.87	60.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	943.28	46.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.90	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,038.58	49.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	187.86	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,128.34	52.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	204.55	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,253.19	55.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	228.26	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,339.10	58.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	244.49	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,460.60	61.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	267.38	
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,040.18	49.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	188.18	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,135.47	52.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	206.13	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,234.77	55.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	224.73	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,350.10	58.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	246.54	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,435.99	61.08
			<i>For Tempered Low-E Insulated Glass, Add</i>	262.77	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,555.89	64.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	285.33	
08 52 16 00-0425			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,106.65	51.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.68	
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,201.95	54.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.64	
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,302.84	57.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	237.56	
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,418.15	60.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	259.36	
08 52 16 00-0430			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0381)</small>		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,203.55	54.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.96	
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,298.84	57.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.92	
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,398.14	60.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	255.51	
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,513.45	63.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	277.32	
08 52 16 00-0435			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0436			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,069.10	50.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.49	
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,243.88	55.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	226.40	
08 52 16 00-0439			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,133.38	52.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	205.72	
08 52 16 00-0441	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,298.63	57.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.72	
08 52 16 00-0442			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,090.15	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	197.54	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,232.38		55.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	224.41		
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,407.75		60.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	257.44		
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,153.35		53.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	209.39		
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,300.44		57.13
		<i>For Tempered Low-E Insulated Glass, Add</i>	237.24		
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,474.21		62.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	269.94		
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,398.14		60.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	255.51		
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,571.91		65.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	288.22		
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,463.81		61.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	268.02		
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,637.59		66.98
		<i>For Tempered Low-E Insulated Glass, Add</i>	300.72		
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,559.10		64.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	285.97		
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,734.48		70.13
		<i>For Tempered Low-E Insulated Glass, Add</i>	319.00		
08 52 16 00-0459		Awning Wood Clad Windows (08 52 16)			
		Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.			
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459)			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)			
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	332.53		32.31
		<i>For Tempered Clear Insulated Glass, Add</i>	53.58		
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	356.20		33.88
		<i>For Tempered Clear Insulated Glass, Add</i>	57.69		
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	375.61		35.06
		<i>For Tempered Clear Insulated Glass, Add</i>	61.10		
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	400.20		36.65
		<i>For Tempered Clear Insulated Glass, Add</i>	65.38		
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	428.50		38.62
		<i>For Tempered Clear Insulated Glass, Add</i>	70.26		
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	472.01		41.77
		<i>For Tempered Clear Insulated Glass, Add</i>	77.69		
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	499.53		43.34
		<i>For Tempered Clear Insulated Glass, Add</i>	82.57		
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	539.67		46.49
		<i>For Tempered Clear Insulated Glass, Add</i>	89.49		
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	554.59		48.07
		<i>For Tempered Clear Insulated Glass, Add</i>	91.69		
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	594.29		50.83
		<i>For Tempered Clear Insulated Glass, Add</i>	98.53		
08 52 16 00-0473		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	350.92 56.79	33.88
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	376.52 61.28	35.47
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	393.21 64.14	36.25
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	420.52 68.97	37.83
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	448.83 73.85	40.19
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	491.05 81.03	42.95
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	518.57 85.90	44.92
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	559.99 93.09	47.28
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	573.41 94.98	49.64
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	614.38 102.07	52.01
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	950.35 167.22	57.52
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.95 60.76	35.47
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	397.64 64.87	37.04
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	413.76 67.62	37.83
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	441.62 72.56	39.40
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	469.93 77.44	41.77
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	513.44 84.88	44.52
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	540.95 89.75	46.49
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	582.38 96.93	48.86
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	594.29 98.53	51.22
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	633.96 105.36	53.58
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,000.29 176.57	59.10
08 52 16 00-0497			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.27 60.00	37.04
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	409.76 66.66	38.62
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	433.23 70.89	39.40
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	476.84 78.98	40.98
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	520.55 86.93	43.34
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	584.56 98.47	46.10
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	626.19 106.17	48.07
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	689.42 117.71	50.43
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	712.68 121.58	52.80
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	773.92 132.72	55.16
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,027.46 181.38	60.68
08 52 16 00-0509			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	433.23 70.89	39.40
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	458.43 75.45	40.59
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	493.14 81.76	42.16
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	531.88 88.72	44.13

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	588.22	47.28
		<i>For Tempered Clear Insulated Glass, Add</i>	98.73	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.27	48.86
		<i>For Tempered Clear Insulated Glass, Add</i>	105.91	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	682.82	52.01
		<i>For Tempered Clear Insulated Glass, Add</i>	115.92	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	721.58	53.58
		<i>For Tempered Clear Insulated Glass, Add</i>	122.88	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	778.22	56.34
		<i>For Tempered Clear Insulated Glass, Add</i>	133.11	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,095.97	61.47
		<i>For Tempered Clear Insulated Glass, Add</i>	194.61	
08 52 16 00-0520		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	493.14	42.16
		<i>For Tempered Clear Insulated Glass, Add</i>	81.76	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	542.64	43.74
		<i>For Tempered Clear Insulated Glass, Add</i>	91.03	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	586.34	45.71
		<i>For Tempered Clear Insulated Glass, Add</i>	98.99	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	650.35	48.86
		<i>For Tempered Clear Insulated Glass, Add</i>	110.53	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	693.26	50.43
		<i>For Tempered Clear Insulated Glass, Add</i>	118.48	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	755.22	53.58
		<i>For Tempered Clear Insulated Glass, Add</i>	129.77	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	658.69	55.16
		<i>For Tempered Clear Insulated Glass, Add</i>	109.67	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	707.25	57.92
		<i>For Tempered Clear Insulated Glass, Add</i>	118.28	
08 52 16 00-0529		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	578.64	45.71
		<i>For Tempered Clear Insulated Glass, Add</i>	97.45	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	651.84	48.07
		<i>For Tempered Clear Insulated Glass, Add</i>	111.30	
08 52 16 00-0532		48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	688.83	48.86
		<i>For Tempered Clear Insulated Glass, Add</i>	118.22	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	763.31	51.22
		<i>For Tempered Clear Insulated Glass, Add</i>	132.33	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	872.23	53.98
		<i>For Tempered Clear Insulated Glass, Add</i>	152.85	
08 52 16 00-0536		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	853.70	53.19
		<i>For Tempered Clear Insulated Glass, Add</i>	149.46	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	918.90	55.16
		<i>For Tempered Clear Insulated Glass, Add</i>	161.71	
08 52 16 00-0539		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	934.13	53.58
		<i>For Tempered Clear Insulated Glass, Add</i>	165.39	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	966.17	57.92
		<i>For Tempered Clear Insulated Glass, Add</i>	170.07	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,069.76	59.89
		<i>For Tempered Clear Insulated Glass, Add</i>	190.00	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,175.47	63.05
		<i>For Tempered Clear Insulated Glass, Add</i>	209.88	
08 52 16 00-0544		Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0545		17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	292.77	32.31
		<i>For Tempered Clear Insulated Glass, Add</i>	45.63	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	315.16	33.88
		<i>For Tempered Clear Insulated Glass, Add</i>	49.48	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	329.92	35.06
		<i>For Tempered Clear Insulated Glass, Add</i>	51.96	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	354.03	36.65
		<i>For Tempered Clear Insulated Glass, Add</i>	56.15	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	379.76	38.62
		<i>For Tempered Clear Insulated Glass, Add</i>	60.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	419.43 67.18	41.77
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	443.10 71.28	43.34
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	480.67 77.69	46.49
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	506.42 82.06	48.07
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	543.99 88.47	50.83
08 52 16 00-0556			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	310.52 48.71	33.88
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.91 52.56	35.47
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	346.44 54.79	36.25
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.06 59.48	37.83
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	398.80 63.84	40.19
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	437.18 70.26	42.95
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	462.13 74.62	44.92
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	498.42 80.77	47.28
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	525.45 85.39	49.64
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	561.74 91.55	52.01
08 52 16 00-0567			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0568	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	330.35 52.04	35.47
08 52 16 00-0569	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	352.75 55.89	37.04
08 52 16 00-0570	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	364.81 57.83	37.83
08 52 16 00-0571	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	391.60 62.56	39.40
08 52 16 00-0572	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	417.35 66.92	41.77
08 52 16 00-0573	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	455.72 73.33	44.52
08 52 16 00-0574	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	480.67 77.69	46.49
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	518.25 84.11	48.86
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	543.99 88.47	51.22
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	581.59 94.88	53.58
08 52 16 00-0578			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	332.22 51.79	37.04
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	362.31 57.17	38.62
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	378.84 60.01	39.40
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.75 62.56	40.98
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	451.29 73.08	43.34
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	502.48 82.06	46.10
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	536.41 88.21	48.07
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	586.81 97.19	50.43
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	622.81 103.60	52.80
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	673.23 112.58	55.16
08 52 16 00-0589			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	378.84 60.01	39.40
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	399.69 63.71	40.59
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	427.87 68.71	42.16
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	460.09 74.37	44.13
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	506.64 82.42	47.28
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	538.07 88.07	48.86
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	583.84 96.12	52.01
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	614.98 101.56	53.58
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	660.74 109.61	56.34
08 52 16 00-0599			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	427.87 68.71	42.16
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	469.53 76.41	43.74
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	504.25 82.57	45.71
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	556.73 91.80	48.86
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	590.66 97.96	50.43
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	641.07 106.94	53.58
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	675.80 113.09	55.16
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	726.20 122.07	57.92
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	396.02 66.28	32.31
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	424.82 71.41	33.88
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	448.49 75.67	35.06
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	478.44 81.03	36.65
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	512.83 87.12	38.62
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	565.64 96.42	41.77
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	599.25 102.51	43.34
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	648.05 111.17	46.49
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	665.71 113.91	48.07
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	713.96 122.46	50.83
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	418.41 70.29	33.88
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	449.63 75.90	35.47
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	469.90 79.48	36.25
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	503.24 85.52	37.83
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	537.64 91.61	40.19
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	588.84 100.59	42.95
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	622.45 106.68	44.92
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	672.86 115.66	47.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	688.65 118.03	49.64
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	738.48 126.89	52.01
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,155.88 208.32	57.52

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)

08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	446.42 75.26	35.47
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	475.23 80.39	37.04
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	494.80 83.83	37.83
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	528.84 90.01	39.40
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	563.24 96.10	41.77
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	616.04 105.40	44.52
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	649.65 111.49	46.49
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	700.05 120.47	48.86
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	713.96 122.46	51.22
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	762.17 131.00	53.58
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,217.51 220.02	59.10

08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)

08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	444.77 74.30	37.04
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	489.60 82.63	38.62
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	518.35 87.91	39.40
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	572.07 98.02	40.98
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	625.72 107.96	43.34
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	704.16 122.39	46.10
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	755.41 132.01	48.07
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	833.06 146.44	50.43
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	861.15 151.27	52.80
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,075.95 193.12	55.16
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,250.70 226.03	60.68

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)

08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	518.35 87.91	39.40
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	549.26 93.62	40.59
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.85 101.51	42.16
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	639.30 110.21	44.13
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	708.15 122.72	47.28
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	756.17 131.69	48.86
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	824.23 144.20	52.01
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	871.69 152.90	53.58
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	941.11 165.68	56.34
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,335.73 242.56	61.47

08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	591.85 101.51	42.16
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	652.94 113.09	43.74
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	706.58 123.03	45.71
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	785.02 137.46	48.86
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	837.87 147.40	50.43
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	913.94 161.51	53.58
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	792.29 136.39	55.16
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	851.62 147.16	57.92
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	693.02 121.11	45.71
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	789.83 138.42	48.86
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	833.12 147.08	48.86
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	925.24 164.72	51.22
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,059.80 190.37	53.98
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,037.04 186.13	53.19
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,117.56 201.45	55.16
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,137.38 206.04	53.58
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,175.26 211.88	57.92
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,303.77 236.80	59.89
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,434.33 261.65	63.05
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	346.32 56.34	32.31
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	373.52 61.15	33.88
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	391.38 64.25	35.06
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.72 69.49	36.65
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	451.91 74.94	38.62
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.91 83.27	41.77
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	528.71 88.40	43.34
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.30 96.42	46.49
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	605.50 101.87	48.07
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	651.09 109.89	50.83
08 52 16 00-0704			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	367.92 60.19	33.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	395.12	35.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.00	
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	411.43	36.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.79	
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	443.92	37.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.65	
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	475.12	40.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.11	
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	521.51	42.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.12	
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	551.91	44.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.57	
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	595.90	47.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.27	
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	628.70	49.64
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.04	
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	672.69	52.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.74	
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	391.91	35.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.36	
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	419.12	37.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.17	
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	433.61	37.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.59	
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	466.31	39.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.50	
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	497.51	41.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.95	
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	543.90	44.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.97	
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	574.30	46.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.42	
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	619.89	48.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.44	
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	651.09	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.89	
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	696.70	53.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.90	
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	393.47	37.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.04	
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	430.28	38.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.77	
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	450.36	39.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.31	
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	469.46	40.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.50	
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	539.14	43.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	90.65	
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	601.56	46.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.87	
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	643.18	48.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.57	
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	704.81	50.43
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.79	
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	748.83	52.80
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.81	
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	810.47	55.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.03	
08 52 16 00-0737			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	450.36	39.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.31	
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	475.84	40.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.94	
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	510.27	42.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.19	
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	549.56	44.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.26	
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	606.17	47.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.32	
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	644.67	48.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.39	
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	700.50	52.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.45	
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	738.44	53.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.25	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
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08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	794.26 136.31	56.34
08 52 16 00-0747		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	510.27 85.19	42.16
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	561.56 94.82	43.74
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	603.97 102.51	45.71
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	667.99 114.06	48.86
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	709.62 121.75	50.43
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	771.25 132.97	53.58
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	813.68 140.67	55.16
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	875.30 151.89	57.92
08 52 16 00-0756		Horizontal Sliding Wood Clad Windows (08 52 16)		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0757		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0756)		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	411.99 65.85	41.77
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	378.77 60.15	38.62
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	443.63 71.23	44.13
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	443.63 71.23	44.13
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.49 82.31	48.86
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	573.34 93.39	53.19
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	638.20 104.47	57.92
08 52 16 00-0768		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	476.85 76.93	46.49
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	540.12 87.69	51.22
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	604.98 98.77	55.55
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	725.25 120.94	60.29
08 52 16 00-0773		47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.49 82.31	48.86
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	573.34 93.39	53.58
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	638.20 104.47	57.92
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	703.06 115.55	62.65
08 52 16 00-0778		53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	604.98	55.95
			<i>For Tempered Clear Insulated Glass, Add</i>	98.77	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	669.84	60.29
			<i>For Tempered Clear Insulated Glass, Add</i>	109.85	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	734.70	65.01
			<i>For Tempered Clear Insulated Glass, Add</i>	120.94	
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	638.20	58.31
			<i>For Tempered Clear Insulated Glass, Add</i>	104.47	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	703.06	62.65
			<i>For Tempered Clear Insulated Glass, Add</i>	115.55	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	768.04	67.38
			<i>For Tempered Clear Insulated Glass, Add</i>	126.66	
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	934.21	38.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.24	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,113.04	44.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	205.11	
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,127.29	44.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.96	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,307.70	48.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	242.15	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,486.53	53.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,665.36	57.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,217.50	46.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	225.06	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,396.32	51.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	258.93	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,576.74	55.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	293.13	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,755.57	60.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	327.00	
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,307.70	48.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	242.15	
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,486.53	53.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,665.36	57.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,845.77	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	344.10	
08 52 16 00-0805			59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0806	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,486.53	53.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	276.03	
08 52 16 00-0807	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,665.36	58.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	309.90	
08 52 16 00-0808	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,845.77	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	344.10	
08 52 16 00-0809	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,024.60	67.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	377.97	
08 52 16 00-0810			Picture Wood Clad Windows <small>(08 52 16)</small>		
			Note: Picture windows are fixed windows.		
08 52 16 00-0811			Picture Wood Clad Windows For Awning And Casement Windows <small>(08 52 16 00-0810)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0812			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0811)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	324.25	31.52
			<i>For Tempered Clear Insulated Glass, Add</i>	52.24	
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	380.03	34.67
			<i>For Tempered Clear Insulated Glass, Add</i>	62.14	
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	403.89	36.25
			<i>For Tempered Clear Insulated Glass, Add</i>	66.28	
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	438.17	39.40
			<i>For Tempered Clear Insulated Glass, Add</i>	72.03	
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	461.67	40.98
			<i>For Tempered Clear Insulated Glass, Add</i>	75.94	
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	495.96	44.13
			<i>For Tempered Clear Insulated Glass, Add</i>	81.70	
08 52 16 00-0820			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	359.02	38.62
			<i>For Tempered Clear Insulated Glass, Add</i>	56.36	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	416.20	40.98
			<i>For Tempered Clear Insulated Glass, Add</i>	67.01	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	500.43	43.74
			<i>For Tempered Clear Insulated Glass, Add</i>	82.59	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	555.52	45.31
			<i>For Tempered Clear Insulated Glass, Add</i>	92.98	
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	637.66	48.07
			<i>For Tempered Clear Insulated Glass, Add</i>	108.30	
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	694.84	50.04
			<i>For Tempered Clear Insulated Glass, Add</i>	118.95	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,036.69	52.80
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	416.20	40.98
			<i>For Tempered Clear Insulated Glass, Add</i>	67.01	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	473.39	42.56
			<i>For Tempered Clear Insulated Glass, Add</i>	77.66	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	557.61	45.71
			<i>For Tempered Clear Insulated Glass, Add</i>	93.24	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	612.70	47.28
			<i>For Tempered Clear Insulated Glass, Add</i>	103.63	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	694.84	50.43
			<i>For Tempered Clear Insulated Glass, Add</i>	118.95	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	752.01	52.01
			<i>For Tempered Clear Insulated Glass, Add</i>	129.60	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	834.16	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	144.92	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	500.43	44.13
			<i>For Tempered Clear Insulated Glass, Add</i>	82.59	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	557.61	45.71
			<i>For Tempered Clear Insulated Glass, Add</i>	93.24	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	641.83	48.86
			<i>For Tempered Clear Insulated Glass, Add</i>	108.82	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	696.92	50.43
			<i>For Tempered Clear Insulated Glass, Add</i>	119.21	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	779.06	53.58
			<i>For Tempered Clear Insulated Glass, Add</i>	134.54	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	836.25	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	145.18	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	918.38	58.31
			<i>For Tempered Clear Insulated Glass, Add</i>	160.51	
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	555.52	45.71
			<i>For Tempered Clear Insulated Glass, Add</i>	92.98	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	612.70	47.28
			<i>For Tempered Clear Insulated Glass, Add</i>	103.63	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	696.92	50.43
			<i>For Tempered Clear Insulated Glass, Add</i>	119.21	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	752.01	52.01
			<i>For Tempered Clear Insulated Glass, Add</i>	129.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	834.16	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	144.92	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	891.35	56.73
			<i>For Tempered Clear Insulated Glass, Add</i>	155.57	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,050.09	59.89
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	637.66	48.07
			<i>For Tempered Clear Insulated Glass, Add</i>	108.30	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	694.84	50.43
			<i>For Tempered Clear Insulated Glass, Add</i>	118.95	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	779.06	53.19
			<i>For Tempered Clear Insulated Glass, Add</i>	134.54	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	834.16	54.76
			<i>For Tempered Clear Insulated Glass, Add</i>	144.92	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	916.29	57.52
			<i>For Tempered Clear Insulated Glass, Add</i>	160.25	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	973.47	59.50
			<i>For Tempered Clear Insulated Glass, Add</i>	170.90	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,055.60	62.26
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	694.84	50.43
			<i>For Tempered Clear Insulated Glass, Add</i>	118.95	
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	752.01	52.01
			<i>For Tempered Clear Insulated Glass, Add</i>	129.60	
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	836.25	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	145.18	
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	891.35	56.73
			<i>For Tempered Clear Insulated Glass, Add</i>	155.57	
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,050.09	59.89
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0866			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0867	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	776.97	52.80
			<i>For Tempered Clear Insulated Glass, Add</i>	134.28	
08 52 16 00-0868	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	834.16	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	144.92	
08 52 16 00-0869	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	918.38	57.92
			<i>For Tempered Clear Insulated Glass, Add</i>	160.51	
08 52 16 00-0870	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	973.47	59.50
			<i>For Tempered Clear Insulated Glass, Add</i>	170.90	
08 52 16 00-0871	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,055.60	62.26
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0872			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0811)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0874	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	385.52	31.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.49	
08 52 16 00-0875	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	452.90	34.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.71	
08 52 16 00-0876	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	481.62	36.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.82	
08 52 16 00-0877	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	522.65	39.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.93	
08 52 16 00-0878	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	550.74	40.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.76	
08 52 16 00-0879	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	591.77	44.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.86	
08 52 16 00-0880			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	425.12	38.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.58	
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	494.79	40.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.73	
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	597.29	43.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.96	
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	664.57	45.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.79	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	764.68	48.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.71	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.35	50.04
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,255.10	52.80
		<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
08 52 16 00-0888		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	494.79	40.98
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.73	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	564.47	42.56
		<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	666.97	45.71
		<i>For Tempered Low-E Insulated Glass, Add</i>	115.11	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	734.24	47.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	127.94	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.35	50.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	904.02	52.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,004.14	55.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
08 52 16 00-0896		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	597.29	44.13
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.96	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	666.97	45.71
		<i>For Tempered Low-E Insulated Glass, Add</i>	115.11	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	769.46	48.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.35	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	836.74	50.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.18	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.85	53.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	166.09	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,006.53	55.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.24	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,106.63	58.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	198.16	
08 52 16 00-0904		52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	664.57	45.71
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.79	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	734.24	47.28
		<i>For Tempered Low-E Insulated Glass, Add</i>	127.94	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	836.74	50.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.18	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	904.02	52.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,004.14	55.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,073.81	56.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	192.07	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,268.50	59.89
		<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
08 52 16 00-0912		59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	764.68	48.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.71	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.35	50.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.85	53.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	166.09	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,004.14	54.76
		<i>For Tempered Low-E Insulated Glass, Add</i>	178.92	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,104.24	57.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	197.84	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,173.91	59.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.98	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,274.01	62.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	229.90	
08 52 16 00-0920		64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	834.35	50.43
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.85	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	904.02	52.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,006.53 179.24	55.16
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,073.81 192.07	56.73
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,268.50 229.90	59.89
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	934.45 165.77	52.80
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,004.14 178.92	55.16
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,106.63 198.16	57.92
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,173.91 210.98	59.50
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,274.01 229.90	62.26
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	460.75 72.45	49.25
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43
08 52 16 00-0937			47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0938	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43
08 52 16 00-0939	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89
08 52 16 00-0940			53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0941	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	537.44 84.95	56.34
08 52 16 00-0942	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	549.75 86.94	57.52
08 52 16 00-0943			56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0944	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	460.75 72.45	49.64
08 52 16 00-0945	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	537.44 84.95	56.34
08 52 16 00-0946			59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0947	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43
08 52 16 00-0948	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	549.75 86.94	57.52
08 52 16 00-0949	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89
08 52 16 00-0950	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	600.39 95.18	62.26
08 52 16 00-0951			65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0952	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	600.39 95.18	62.26
08 52 16 00-0953			71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0954	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0955			Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956			48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	518.71 88.93	37.04
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	725.93 126.43	47.28
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	757.50 132.11	48.46
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	804.83 140.64	50.83
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	836.40 146.32	52.80
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	900.95 157.97	55.55
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	965.50 169.62	59.10
08 52 16 00-0964			52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	551.69 94.89	38.62
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	757.50 132.11	48.86
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	790.48 138.08	50.04
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	836.40 146.32	52.40
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	869.39 152.29	54.37
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	933.93 163.93	57.13
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	998.48 175.58	60.68
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	583.25 100.58	40.19
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	790.48 138.08	50.43
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	822.04 143.76	51.61
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	869.39 152.29	53.98
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	900.95 157.97	55.95
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	965.50 169.62	58.70
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,031.47 181.55	62.26
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	616.25 106.54	41.77
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	822.04 143.76	52.01
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	855.02 149.73	53.19
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	900.95 157.97	55.55
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	933.93 163.93	57.52
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	998.48 175.58	60.29
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,063.03 187.23	63.83
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	647.82 112.23	43.34
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	855.02 149.73	53.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	888.01 155.69	54.76
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	933.93 163.93	57.13
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	965.50 169.62	59.10
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,031.47 181.55	61.86
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.01 193.20	65.41
08 52 16 00-0996			68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	680.80 118.19	44.92
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	888.01 155.69	55.16
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	919.58 161.38	56.34
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	965.50 169.62	58.70
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	998.48 175.58	60.68
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,063.03 187.23	63.44
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,127.58 198.88	66.98
08 52 16 00-1004			72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	712.36 123.87	46.49
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	919.58 161.38	56.73
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	952.56 167.34	57.92
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	998.48 175.58	60.29
08 52 16 00-1009	EA		51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,031.47 181.55	62.26
08 52 16 00-1010	EA		59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,096.01 193.20	65.01
08 52 16 00-1011	EA		67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,160.56 204.85	68.56
08 52 16 00-1012			76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small>		
08 52 16 00-1013	EA		12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	745.34 129.84	48.07
08 52 16 00-1014	EA		37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	952.56 167.34	58.31
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	984.12 173.03	59.50
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,031.47 181.55	61.86
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,063.03 187.23	63.83
08 52 16 00-1018	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,127.58 198.88	66.59
08 52 16 00-1019	EA		67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,192.12 210.53	70.13
08 52 16 00-1020			Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-1021			Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022			35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	460.75 72.45	49.25
08 52 16 00-1024	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43
08 52 16 00-1025			47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1027	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89
08 52 16 00-1028			53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1029	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.44 84.95	56.34
08 52 16 00-1030	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	549.75 86.94	57.52
08 52 16 00-1031			56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1032	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	460.75 72.45	49.64
08 52 16 00-1033	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.44 84.95	56.34
08 52 16 00-1034			59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1035	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	473.05 74.44	50.43
08 52 16 00-1036	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	549.75 86.94	57.52
08 52 16 00-1037	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89
08 52 16 00-1038	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	600.39 95.18	62.26
08 52 16 00-1039			65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1040	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	600.39 95.18	62.26
08 52 16 00-1041			71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1042	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	574.36 90.92	59.89
08 52 16 00-1043			Basement Wood Clad Windows (08 52 16) Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044			Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	242.45	31.52
08 52 16 00-1046	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	255.92	31.52
08 52 16 00-1047	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	267.77	31.52
08 52 16 00-1048			Factory Installed Grilles For Wood Clad Windows (08 52 16)		
08 52 16 00-1049			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	35.05	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.66	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	70.11	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	88.56	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	125.45	
08 52 16 00-1055			Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	56.08	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.65	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	112.17	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	141.69	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	200.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-1061			Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	67.30	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	99.18	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	134.60	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	170.03	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	240.87	

08 52 16 00-1067			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	80.77	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	119.01	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	161.52	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	204.03	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	289.04	

08 52 66 Wood Window Screens (08 52)

08 52 66 00-0001			Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows.....	37.43	7.13
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows.....	44.05	7.13
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows.....	47.36	7.13
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	53.99	7.13
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	67.23	7.13
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	73.85	7.13
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	80.47	7.13
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	87.09	7.13
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	2.62	0.14

08 53 Plastic Windows (08 50)

08 53 13 Vinyl Windows (08 53)

08 53 13 00-0001			Single Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0002			New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0001)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.					
08 53 13 00-0003			34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0004	EA		24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	200.88	36.25
			For Colored Vinyl, Add	12.84	
			For Tinted Glass, Add	15.41	
			For Low-E Insulated Glass, Add	32.10	
			For Obscure Glass, Add	35.30	
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	211.18	37.83
			For Colored Vinyl, Add	13.55	
			For Tinted Glass, Add	16.26	
			For Low-E Insulated Glass, Add	33.88	
			For Obscure Glass, Add	37.27	
08 53 13 00-0006	EA		30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	215.51	38.62
			For Colored Vinyl, Add	13.83	
			For Tinted Glass, Add	16.59	
			For Low-E Insulated Glass, Add	34.57	
			For Obscure Glass, Add	38.03	
08 53 13 00-0007	EA		32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	220.22	39.40
			For Colored Vinyl, Add	14.14	
			For Tinted Glass, Add	16.97	
			For Low-E Insulated Glass, Add	35.36	
			For Obscure Glass, Add	38.89	
08 53 13 00-0008	EA		36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	232.12	40.98
			For Colored Vinyl, Add	15.02	
			For Tinted Glass, Add	18.02	
			For Low-E Insulated Glass, Add	37.54	
			For Obscure Glass, Add	41.30	
08 53 13 00-0009	EA		44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	251.65	44.13
			For Colored Vinyl, Add	16.34	
			For Tinted Glass, Add	19.61	
			For Low-E Insulated Glass, Add	40.85	
			For Obscure Glass, Add	44.93	

08 53 13 00-0010			36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
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08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	204.97	37.04
			For Colored Vinyl, Add	13.09	
			For Tinted Glass, Add	15.71	
			For Low-E Insulated Glass, Add	32.73	
			For Obscure Glass, Add	36.00	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.27	37.83
			For Colored Vinyl, Add	13.81	
			For Tinted Glass, Add	16.57	
			For Low-E Insulated Glass, Add	34.51	
			For Obscure Glass, Add	37.96	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.61	39.40
			For Colored Vinyl, Add	14.08	
			For Tinted Glass, Add	16.90	
			For Low-E Insulated Glass, Add	35.20	
			For Obscure Glass, Add	38.72	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	224.31	40.19
			For Colored Vinyl, Add	14.39	
			For Tinted Glass, Add	17.27	
			For Low-E Insulated Glass, Add	35.99	
			For Obscure Glass, Add	39.58	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.22	41.77
			For Colored Vinyl, Add	15.27	
			For Tinted Glass, Add	18.32	
			For Low-E Insulated Glass, Add	38.17	
			For Obscure Glass, Add	41.99	
08 53 13 00-0016	EA		44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	255.75	44.92
			For Colored Vinyl, Add	16.59	
			For Tinted Glass, Add	19.91	
			For Low-E Insulated Glass, Add	41.48	
			For Obscure Glass, Add	45.63	
08 53 13 00-0017			38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.94	37.83
			For Colored Vinyl, Add	13.33	
			For Tinted Glass, Add	15.99	
			For Low-E Insulated Glass, Add	33.32	
			For Obscure Glass, Add	36.65	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.25	39.40
			For Colored Vinyl, Add	14.05	
			For Tinted Glass, Add	16.85	
			For Low-E Insulated Glass, Add	35.11	
			For Obscure Glass, Add	38.62	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	223.74	40.19
			For Colored Vinyl, Add	14.34	
			For Tinted Glass, Add	17.20	
			For Low-E Insulated Glass, Add	35.84	
			For Obscure Glass, Add	39.43	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	228.45	40.98
			For Colored Vinyl, Add	14.65	
			For Tinted Glass, Add	17.58	
			For Low-E Insulated Glass, Add	36.63	
			For Obscure Glass, Add	40.29	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	240.54	42.56
			For Colored Vinyl, Add	15.54	
			For Tinted Glass, Add	18.65	
			For Low-E Insulated Glass, Add	38.86	
			For Obscure Glass, Add	42.74	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	260.30	45.71
			For Colored Vinyl, Add	16.89	
			For Tinted Glass, Add	20.27	
			For Low-E Insulated Glass, Add	42.22	
			For Obscure Glass, Add	46.44	
08 53 13 00-0024			44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	221.08	40.19
			For Colored Vinyl, Add	14.07	
			For Tinted Glass, Add	16.89	
			For Low-E Insulated Glass, Add	35.18	
			For Obscure Glass, Add	38.70	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	231.41	41.77
			For Colored Vinyl, Add	14.79	
			For Tinted Glass, Add	17.74	
			For Low-E Insulated Glass, Add	36.97	
			For Obscure Glass, Add	40.66	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.42	42.56
			For Colored Vinyl, Add	15.13	
			For Tinted Glass, Add	18.16	
			For Low-E Insulated Glass, Add	37.83	
			For Obscure Glass, Add	41.61	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.13	43.34
			For Colored Vinyl, Add	15.44	
			For Tinted Glass, Add	18.53	
			For Low-E Insulated Glass, Add	38.61	
			For Obscure Glass, Add	42.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.73	44.92
			For Colored Vinyl, Add	16.39	
			For Tinted Glass, Add	19.67	
			For Low-E Insulated Glass, Add	40.97	
			For Obscure Glass, Add	45.07	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	274.16	48.07
			For Colored Vinyl, Add	17.80	
			For Tinted Glass, Add	21.36	
			For Low-E Insulated Glass, Add	44.51	
			For Obscure Glass, Add	48.96	
08 53 13 00-0031			46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.18	40.98
			For Colored Vinyl, Add	14.32	
			For Tinted Glass, Add	17.19	
			For Low-E Insulated Glass, Add	35.81	
			For Obscure Glass, Add	39.39	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.50	42.56
			For Colored Vinyl, Add	15.04	
			For Tinted Glass, Add	18.05	
			For Low-E Insulated Glass, Add	37.60	
			For Obscure Glass, Add	41.36	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	240.68	43.34
			For Colored Vinyl, Add	15.40	
			For Tinted Glass, Add	18.48	
			For Low-E Insulated Glass, Add	38.50	
			For Obscure Glass, Add	42.35	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	245.38	44.13
			For Colored Vinyl, Add	15.71	
			For Tinted Glass, Add	18.85	
			For Low-E Insulated Glass, Add	39.28	
			For Obscure Glass, Add	43.21	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.14	45.71
			For Colored Vinyl, Add	16.67	
			For Tinted Glass, Add	20.01	
			For Low-E Insulated Glass, Add	41.68	
			For Obscure Glass, Add	45.85	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	278.82	48.86
			For Colored Vinyl, Add	18.11	
			For Tinted Glass, Add	21.73	
			For Low-E Insulated Glass, Add	45.28	
			For Obscure Glass, Add	49.81	
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	229.33	41.77
			For Colored Vinyl, Add	14.58	
			For Tinted Glass, Add	17.49	
			For Low-E Insulated Glass, Add	36.45	
			For Obscure Glass, Add	40.09	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	239.64	43.34
			For Colored Vinyl, Add	15.30	
			For Tinted Glass, Add	18.35	
			For Low-E Insulated Glass, Add	38.24	
			For Obscure Glass, Add	42.06	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	244.98	44.13
			For Colored Vinyl, Add	15.67	
			For Tinted Glass, Add	18.81	
			For Low-E Insulated Glass, Add	39.18	
			For Obscure Glass, Add	43.10	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.68	44.92
			For Colored Vinyl, Add	15.98	
			For Tinted Glass, Add	19.18	
			For Low-E Insulated Glass, Add	39.96	
			For Obscure Glass, Add	43.96	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	262.63	46.49
			For Colored Vinyl, Add	16.96	
			For Tinted Glass, Add	20.36	
			For Low-E Insulated Glass, Add	42.41	
			For Obscure Glass, Add	46.65	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	283.52	49.64
			For Colored Vinyl, Add	18.42	
			For Tinted Glass, Add	22.11	
			For Low-E Insulated Glass, Add	46.06	
			For Obscure Glass, Add	50.66	
08 53 13 00-0045			50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.30	42.56
			For Colored Vinyl, Add	14.82	
			For Tinted Glass, Add	17.78	
			For Low-E Insulated Glass, Add	37.05	
			For Obscure Glass, Add	40.75	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0047	EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	243.61	44.13
	For Colored Vinyl, Add	15.54	
	For Tinted Glass, Add	18.64	
	For Low-E Insulated Glass, Add	38.84	
	For Obscure Glass, Add	42.72	
08 53 13 00-0048	EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.14	44.92
	For Colored Vinyl, Add	15.93	
	For Tinted Glass, Add	19.12	
	For Low-E Insulated Glass, Add	39.83	
	For Obscure Glass, Add	43.81	
08 53 13 00-0049	EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.83	45.71
	For Colored Vinyl, Add	16.24	
	For Tinted Glass, Add	19.49	
	For Low-E Insulated Glass, Add	40.61	
	For Obscure Glass, Add	44.67	
08 53 13 00-0050	EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	266.94	47.28
	For Colored Vinyl, Add	17.24	
	For Tinted Glass, Add	20.69	
	For Low-E Insulated Glass, Add	43.10	
	For Obscure Glass, Add	47.40	
08 53 13 00-0051	EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	288.05	50.43
	For Colored Vinyl, Add	18.72	
	For Tinted Glass, Add	22.46	
	For Low-E Insulated Glass, Add	46.80	
	For Obscure Glass, Add	51.48	
08 53 13 00-0052	52" Height, New Construction, Single Hung Vinyl Windows (Silver Line		
	2200) (08 53 13 00-0002)		
08 53 13 00-0053	EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.30	43.34
	For Colored Vinyl, Add	15.06	
	For Tinted Glass, Add	18.07	
	For Low-E Insulated Glass, Add	37.65	
	For Obscure Glass, Add	41.42	
08 53 13 00-0054	EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	247.60	44.92
	For Colored Vinyl, Add	15.78	
	For Tinted Glass, Add	18.93	
	For Low-E Insulated Glass, Add	39.44	
	For Obscure Glass, Add	43.38	
08 53 13 00-0055	EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.31	45.71
	For Colored Vinyl, Add	16.19	
	For Tinted Glass, Add	19.43	
	For Low-E Insulated Glass, Add	40.48	
	For Obscure Glass, Add	44.52	
08 53 13 00-0056	EA 32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	258.01	46.49
	For Colored Vinyl, Add	16.50	
	For Tinted Glass, Add	19.80	
	For Low-E Insulated Glass, Add	41.26	
	For Obscure Glass, Add	45.38	
08 53 13 00-0057	EA 36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	271.30	48.07
	For Colored Vinyl, Add	17.52	
	For Tinted Glass, Add	21.02	
	For Low-E Insulated Glass, Add	43.79	
	For Obscure Glass, Add	48.17	
08 53 13 00-0058	EA 44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	292.64	51.22
	For Colored Vinyl, Add	19.02	
	For Tinted Glass, Add	22.82	
	For Low-E Insulated Glass, Add	47.55	
	For Obscure Glass, Add	52.31	
08 53 13 00-0059	54" Height, New Construction, Single Hung Vinyl Windows (Silver Line		
	2200) (08 53 13 00-0002)		
08 53 13 00-0060	EA 24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.29	44.13
	For Colored Vinyl, Add	15.30	
	For Tinted Glass, Add	18.36	
	For Low-E Insulated Glass, Add	38.26	
	For Obscure Glass, Add	42.08	
08 53 13 00-0061	EA 28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.59	45.71
	For Colored Vinyl, Add	16.02	
	For Tinted Glass, Add	19.22	
	For Low-E Insulated Glass, Add	40.05	
	For Obscure Glass, Add	44.05	
08 53 13 00-0062	EA 30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	257.47	46.49
	For Colored Vinyl, Add	16.45	
	For Tinted Glass, Add	19.74	
	For Low-E Insulated Glass, Add	41.12	
	For Obscure Glass, Add	45.23	
08 53 13 00-0063	EA 32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	262.16	47.28
	For Colored Vinyl, Add	16.76	
	For Tinted Glass, Add	20.11	
	For Low-E Insulated Glass, Add	41.90	
	For Obscure Glass, Add	46.09	
08 53 13 00-0064	EA 36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	275.61	48.86
	For Colored Vinyl, Add	17.79	
	For Tinted Glass, Add	21.35	
	For Low-E Insulated Glass, Add	44.48	
	For Obscure Glass, Add	48.92	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	297.17		52.01
		For Colored Vinyl, Add	19.32		
		For Tinted Glass, Add	23.18		
		For Low-E Insulated Glass, Add	48.29		
		For Obscure Glass, Add	53.12		
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	253.58		46.49
		For Colored Vinyl, Add	16.06		
		For Tinted Glass, Add	19.27		
		For Low-E Insulated Glass, Add	40.15		
		For Obscure Glass, Add	44.16		
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	263.88		48.07
		For Colored Vinyl, Add	16.77		
		For Tinted Glass, Add	20.13		
		For Low-E Insulated Glass, Add	41.94		
		For Obscure Glass, Add	46.13		
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	270.23		48.86
		For Colored Vinyl, Add	17.25		
		For Tinted Glass, Add	20.70		
		For Low-E Insulated Glass, Add	43.13		
		For Obscure Glass, Add	47.44		
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	274.93		49.64
		For Colored Vinyl, Add	17.56		
		For Tinted Glass, Add	21.08		
		For Low-E Insulated Glass, Add	43.91		
		For Obscure Glass, Add	48.30		
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	288.91		51.22
		For Colored Vinyl, Add	18.65		
		For Tinted Glass, Add	22.38		
		For Low-E Insulated Glass, Add	46.62		
		For Obscure Glass, Add	51.28		
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	311.16		54.37
		For Colored Vinyl, Add	20.24		
		For Tinted Glass, Add	24.29		
		For Low-E Insulated Glass, Add	50.60		
		For Obscure Glass, Add	55.66		
08 53 13 00-0073		62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	257.56		47.28
		For Colored Vinyl, Add	16.30		
		For Tinted Glass, Add	19.56		
		For Low-E Insulated Glass, Add	40.75		
		For Obscure Glass, Add	44.83		
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	267.87		48.86
		For Colored Vinyl, Add	17.02		
		For Tinted Glass, Add	20.42		
		For Low-E Insulated Glass, Add	42.54		
		For Obscure Glass, Add	46.79		
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	274.43		49.64
		For Colored Vinyl, Add	17.51		
		For Tinted Glass, Add	21.02		
		For Low-E Insulated Glass, Add	43.79		
		For Obscure Glass, Add	48.16		
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	279.12		50.43
		For Colored Vinyl, Add	17.83		
		For Tinted Glass, Add	21.39		
		For Low-E Insulated Glass, Add	44.57		
		For Obscure Glass, Add	49.02		
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	293.26		52.01
		For Colored Vinyl, Add	18.93		
		For Tinted Glass, Add	22.71		
		For Low-E Insulated Glass, Add	47.31		
		For Obscure Glass, Add	52.04		
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	315.76		55.16
		For Colored Vinyl, Add	20.54		
		For Tinted Glass, Add	24.65		
		For Low-E Insulated Glass, Add	51.36		
		For Obscure Glass, Add	56.49		
08 53 13 00-0080		66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>			
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	265.67		48.86
		For Colored Vinyl, Add	16.80		
		For Tinted Glass, Add	20.16		
		For Low-E Insulated Glass, Add	41.99		
		For Obscure Glass, Add	46.19		
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	275.98		50.43
		For Colored Vinyl, Add	17.51		
		For Tinted Glass, Add	21.01		
		For Low-E Insulated Glass, Add	43.78		
		For Obscure Glass, Add	48.16		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	282.86	51.22
			For Colored Vinyl, Add	18.04	
			For Tinted Glass, Add	21.65	
			For Low-E Insulated Glass, Add	45.11	
			For Obscure Glass, Add	49.62	
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	287.55	52.01
			For Colored Vinyl, Add	18.35	
			For Tinted Glass, Add	22.02	
			For Low-E Insulated Glass, Add	45.89	
			For Obscure Glass, Add	50.47	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	302.07	53.58
			For Colored Vinyl, Add	19.49	
			For Tinted Glass, Add	23.39	
			For Low-E Insulated Glass, Add	48.72	
			For Obscure Glass, Add	53.59	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	324.98	56.73
			For Colored Vinyl, Add	21.15	
			For Tinted Glass, Add	25.38	
			For Low-E Insulated Glass, Add	52.88	
			For Obscure Glass, Add	58.16	
08 53 13 00-0087			72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	277.96	51.22
			For Colored Vinyl, Add	17.55	
			For Tinted Glass, Add	21.06	
			For Low-E Insulated Glass, Add	43.88	
			For Obscure Glass, Add	48.27	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	288.27	52.80
			For Colored Vinyl, Add	18.27	
			For Tinted Glass, Add	21.92	
			For Low-E Insulated Glass, Add	45.67	
			For Obscure Glass, Add	50.24	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	295.16	53.58
			For Colored Vinyl, Add	18.80	
			For Tinted Glass, Add	22.56	
			For Low-E Insulated Glass, Add	47.00	
			For Obscure Glass, Add	51.69	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	299.85	54.37
			For Colored Vinyl, Add	19.11	
			For Tinted Glass, Add	22.93	
			For Low-E Insulated Glass, Add	47.78	
			For Obscure Glass, Add	52.55	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	314.35	55.95
			For Colored Vinyl, Add	20.25	
			For Tinted Glass, Add	24.29	
			For Low-E Insulated Glass, Add	50.61	
			For Obscure Glass, Add	55.67	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	337.26	59.10
			For Colored Vinyl, Add	21.91	
			For Tinted Glass, Add	26.29	
			For Low-E Insulated Glass, Add	54.77	
			For Obscure Glass, Add	60.24	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	288.74	41.37
			For Colored Vinyl, Add	20.60	
			For Tinted Glass, Add	24.72	
			For Low-E Insulated Glass, Add	51.50	
			For Obscure Glass, Add	56.65	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	316.47	45.31
			For Colored Vinyl, Add	22.59	
			For Tinted Glass, Add	27.10	
			For Low-E Insulated Glass, Add	56.46	
			For Obscure Glass, Add	62.11	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	342.19	49.25
			For Colored Vinyl, Add	24.37	
			For Tinted Glass, Add	29.24	
			For Low-E Insulated Glass, Add	60.92	
			For Obscure Glass, Add	67.01	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	360.85	53.19
			For Colored Vinyl, Add	25.45	
			For Tinted Glass, Add	30.54	
			For Low-E Insulated Glass, Add	63.62	
			For Obscure Glass, Add	69.98	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	380.32	57.13
			For Colored Vinyl, Add	26.61	
			For Tinted Glass, Add	31.93	
			For Low-E Insulated Glass, Add	66.52	
			For Obscure Glass, Add	73.17	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	412.39	61.08
			For Colored Vinyl, Add	29.03	
			For Tinted Glass, Add	34.83	
			For Low-E Insulated Glass, Add	72.56	
			For Obscure Glass, Add	79.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	3.44	0.51
			For Colored Vinyl, Add	0.24	
			For Tinted Glass, Add	0.29	
			For Low-E Insulated Glass, Add	0.61	
			For Obscure Glass, Add	0.67	
08 53 13 00-0102			Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103			New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104			34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	278.42	36.25
			For Colored Vinyl, Add	20.59	
			For Tinted Glass, Add	24.71	
			For Low-E Insulated Glass, Add	51.48	
			For Obscure Glass, Add	56.63	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	288.72	37.83
			For Colored Vinyl, Add	21.31	
			For Tinted Glass, Add	25.57	
			For Low-E Insulated Glass, Add	53.27	
			For Obscure Glass, Add	58.59	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	293.72	38.62
			For Colored Vinyl, Add	21.65	
			For Tinted Glass, Add	25.98	
			For Low-E Insulated Glass, Add	54.13	
			For Obscure Glass, Add	59.54	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	298.42	39.40
			For Colored Vinyl, Add	21.96	
			For Tinted Glass, Add	26.35	
			For Low-E Insulated Glass, Add	54.91	
			For Obscure Glass, Add	60.40	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	309.66	40.98
			For Colored Vinyl, Add	22.77	
			For Tinted Glass, Add	27.33	
			For Low-E Insulated Glass, Add	56.93	
			For Obscure Glass, Add	62.62	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.32	44.13
			For Colored Vinyl, Add	24.01	
			For Tinted Glass, Add	28.81	
			For Low-E Insulated Glass, Add	60.02	
			For Obscure Glass, Add	66.02	
08 53 13 00-0111			36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112	EA		24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	282.51	37.04
			For Colored Vinyl, Add	20.84	
			For Tinted Glass, Add	25.01	
			For Low-E Insulated Glass, Add	52.11	
			For Obscure Glass, Add	57.32	
08 53 13 00-0113	EA		28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	292.81	38.62
			For Colored Vinyl, Add	21.56	
			For Tinted Glass, Add	25.87	
			For Low-E Insulated Glass, Add	53.90	
			For Obscure Glass, Add	59.29	
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	297.82	39.40
			For Colored Vinyl, Add	21.90	
			For Tinted Glass, Add	26.28	
			For Low-E Insulated Glass, Add	54.76	
			For Obscure Glass, Add	60.23	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	302.51	40.19
			For Colored Vinyl, Add	22.21	
			For Tinted Glass, Add	26.66	
			For Low-E Insulated Glass, Add	55.54	
			For Obscure Glass, Add	61.09	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	313.77	41.77
			For Colored Vinyl, Add	23.02	
			For Tinted Glass, Add	27.63	
			For Low-E Insulated Glass, Add	57.56	
			For Obscure Glass, Add	63.31	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.42	44.92
			For Colored Vinyl, Add	24.26	
			For Tinted Glass, Add	29.11	
			For Low-E Insulated Glass, Add	60.65	
			For Obscure Glass, Add	66.71	
08 53 13 00-0118			38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	286.24	37.83
			For Colored Vinyl, Add	21.06	
			For Tinted Glass, Add	25.27	
			For Low-E Insulated Glass, Add	52.65	
			For Obscure Glass, Add	57.91	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0120	EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	296.55	39.40
	For Colored Vinyl, Add	21.78	
	For Tinted Glass, Add	26.13	
	For Low-E Insulated Glass, Add	54.44	
	For Obscure Glass, Add	59.88	
08 53 13 00-0121	EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.69	40.19
	For Colored Vinyl, Add	22.13	
	For Tinted Glass, Add	26.56	
	For Low-E Insulated Glass, Add	55.33	
	For Obscure Glass, Add	60.86	
08 53 13 00-0122	EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	306.39	40.98
	For Colored Vinyl, Add	22.44	
	For Tinted Glass, Add	26.93	
	For Low-E Insulated Glass, Add	56.11	
	For Obscure Glass, Add	61.72	
08 53 13 00-0123	EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	317.84	42.56
	For Colored Vinyl, Add	23.27	
	For Tinted Glass, Add	27.93	
	For Low-E Insulated Glass, Add	58.18	
	For Obscure Glass, Add	64.00	
08 53 13 00-0124	EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	336.69	45.71
	For Colored Vinyl, Add	24.53	
	For Tinted Glass, Add	29.43	
	For Low-E Insulated Glass, Add	61.32	
	For Obscure Glass, Add	67.45	
08 53 13 00-0125	44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	298.80	40.19
	For Colored Vinyl, Add	21.84	
	For Tinted Glass, Add	26.21	
	For Low-E Insulated Glass, Add	54.61	
	For Obscure Glass, Add	60.07	
08 53 13 00-0127	EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	309.13	41.77
	For Colored Vinyl, Add	22.56	
	For Tinted Glass, Add	27.07	
	For Low-E Insulated Glass, Add	56.40	
	For Obscure Glass, Add	62.04	
08 53 13 00-0128	EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	313.44	42.56
	For Colored Vinyl, Add	22.83	
	For Tinted Glass, Add	27.40	
	For Low-E Insulated Glass, Add	57.08	
	For Obscure Glass, Add	62.79	
08 53 13 00-0129	EA 32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.15	43.34
	For Colored Vinyl, Add	23.15	
	For Tinted Glass, Add	27.78	
	For Low-E Insulated Glass, Add	57.87	
	For Obscure Glass, Add	63.65	
08 53 13 00-0130	EA 36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	330.02	44.92
	For Colored Vinyl, Add	24.02	
	For Tinted Glass, Add	28.82	
	For Low-E Insulated Glass, Add	60.05	
	For Obscure Glass, Add	66.05	
08 53 13 00-0131	EA 44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	349.89	48.07
	For Colored Vinyl, Add	25.38	
	For Tinted Glass, Add	30.45	
	For Low-E Insulated Glass, Add	63.44	
	For Obscure Glass, Add	69.78	
08 53 13 00-0132	46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA 24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	302.52	40.98
	For Colored Vinyl, Add	22.06	
	For Tinted Glass, Add	26.47	
	For Low-E Insulated Glass, Add	55.14	
	For Obscure Glass, Add	60.66	
08 53 13 00-0134	EA 28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	312.84	42.56
	For Colored Vinyl, Add	22.77	
	For Tinted Glass, Add	27.33	
	For Low-E Insulated Glass, Add	56.93	
	For Obscure Glass, Add	62.63	
08 53 13 00-0135	EA 30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	317.38	43.34
	For Colored Vinyl, Add	23.07	
	For Tinted Glass, Add	27.68	
	For Low-E Insulated Glass, Add	57.67	
	For Obscure Glass, Add	63.44	
08 53 13 00-0136	EA 32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	322.07	44.13
	For Colored Vinyl, Add	23.38	
	For Tinted Glass, Add	28.06	
	For Low-E Insulated Glass, Add	58.45	
	For Obscure Glass, Add	64.30	
08 53 13 00-0137	EA 36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	334.09	45.71
	For Colored Vinyl, Add	24.27	
	For Tinted Glass, Add	29.12	
	For Low-E Insulated Glass, Add	60.67	
	For Obscure Glass, Add	66.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0138	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	354.56	48.86
			For Colored Vinyl, Add	25.69	
			For Tinted Glass, Add	30.82	
			For Low-E Insulated Glass, Add	64.21	
			For Obscure Glass, Add	70.63	
08 53 13 00-0139			48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	306.29	41.77
			For Colored Vinyl, Add	22.28	
			For Tinted Glass, Add	26.73	
			For Low-E Insulated Glass, Add	55.69	
			For Obscure Glass, Add	61.26	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	316.59	43.34
			For Colored Vinyl, Add	22.99	
			For Tinted Glass, Add	27.59	
			For Low-E Insulated Glass, Add	57.48	
			For Obscure Glass, Add	63.22	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	321.25	44.13
			For Colored Vinyl, Add	23.30	
			For Tinted Glass, Add	27.96	
			For Low-E Insulated Glass, Add	58.25	
			For Obscure Glass, Add	64.07	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	325.95	44.92
			For Colored Vinyl, Add	23.61	
			For Tinted Glass, Add	28.33	
			For Low-E Insulated Glass, Add	59.03	
			For Obscure Glass, Add	64.93	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	338.17	46.49
			For Colored Vinyl, Add	24.52	
			For Tinted Glass, Add	29.42	
			For Low-E Insulated Glass, Add	61.30	
			For Obscure Glass, Add	67.42	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	359.17	49.64
			For Colored Vinyl, Add	25.99	
			For Tinted Glass, Add	31.19	
			For Low-E Insulated Glass, Add	64.97	
			For Obscure Glass, Add	71.47	
08 53 13 00-0146			50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	309.99	42.56
			For Colored Vinyl, Add	22.49	
			For Tinted Glass, Add	26.99	
			For Low-E Insulated Glass, Add	56.22	
			For Obscure Glass, Add	61.84	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	320.30	44.13
			For Colored Vinyl, Add	23.20	
			For Tinted Glass, Add	27.84	
			For Low-E Insulated Glass, Add	58.01	
			For Obscure Glass, Add	63.81	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	325.17	44.92
			For Colored Vinyl, Add	23.53	
			For Tinted Glass, Add	28.24	
			For Low-E Insulated Glass, Add	58.83	
			For Obscure Glass, Add	64.72	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	329.86	45.71
			For Colored Vinyl, Add	23.85	
			For Tinted Glass, Add	28.61	
			For Low-E Insulated Glass, Add	59.61	
			For Obscure Glass, Add	65.57	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	342.24	47.28
			For Colored Vinyl, Add	24.77	
			For Tinted Glass, Add	29.72	
			For Low-E Insulated Glass, Add	61.92	
			For Obscure Glass, Add	68.11	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	363.82	50.43
			For Colored Vinyl, Add	26.30	
			For Tinted Glass, Add	31.56	
			For Low-E Insulated Glass, Add	65.74	
			For Obscure Glass, Add	72.31	
08 53 13 00-0153			52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	313.73	43.34
			For Colored Vinyl, Add	22.70	
			For Tinted Glass, Add	27.24	
			For Low-E Insulated Glass, Add	56.76	
			For Obscure Glass, Add	62.44	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	324.04	44.92
			For Colored Vinyl, Add	23.42	
			For Tinted Glass, Add	28.10	
			For Low-E Insulated Glass, Add	58.55	
			For Obscure Glass, Add	64.41	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	329.03	45.71
		<i>For Colored Vinyl, Add</i>	23.76	
		<i>For Tinted Glass, Add</i>	28.51	
		<i>For Low-E Insulated Glass, Add</i>	59.41	
		<i>For Obscure Glass, Add</i>	65.35	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	333.74	46.49
		<i>For Colored Vinyl, Add</i>	24.08	
		<i>For Tinted Glass, Add</i>	28.89	
		<i>For Low-E Insulated Glass, Add</i>	60.19	
		<i>For Obscure Glass, Add</i>	66.21	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	346.66	48.07
		<i>For Colored Vinyl, Add</i>	25.05	
		<i>For Tinted Glass, Add</i>	30.06	
		<i>For Low-E Insulated Glass, Add</i>	62.63	
		<i>For Obscure Glass, Add</i>	68.89	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	368.40	51.22
		<i>For Colored Vinyl, Add</i>	26.60	
		<i>For Tinted Glass, Add</i>	31.92	
		<i>For Low-E Insulated Glass, Add</i>	66.49	
		<i>For Obscure Glass, Add</i>	73.14	
08 53 13 00-0160		54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	317.48	44.13
		<i>For Colored Vinyl, Add</i>	22.92	
		<i>For Tinted Glass, Add</i>	27.51	
		<i>For Low-E Insulated Glass, Add</i>	57.31	
		<i>For Obscure Glass, Add</i>	63.04	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	327.78	45.71
		<i>For Colored Vinyl, Add</i>	23.64	
		<i>For Tinted Glass, Add</i>	28.36	
		<i>For Low-E Insulated Glass, Add</i>	59.09	
		<i>For Obscure Glass, Add</i>	65.00	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.97	46.49
		<i>For Colored Vinyl, Add</i>	24.00	
		<i>For Tinted Glass, Add</i>	28.80	
		<i>For Low-E Insulated Glass, Add</i>	60.00	
		<i>For Obscure Glass, Add</i>	65.99	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	337.67	47.28
		<i>For Colored Vinyl, Add</i>	24.31	
		<i>For Tinted Glass, Add</i>	29.17	
		<i>For Low-E Insulated Glass, Add</i>	60.78	
		<i>For Obscure Glass, Add</i>	66.86	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	351.08	48.86
		<i>For Colored Vinyl, Add</i>	25.34	
		<i>For Tinted Glass, Add</i>	30.40	
		<i>For Low-E Insulated Glass, Add</i>	63.34	
		<i>For Obscure Glass, Add</i>	69.68	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	373.00	52.01
		<i>For Colored Vinyl, Add</i>	26.90	
		<i>For Tinted Glass, Add</i>	32.28	
		<i>For Low-E Insulated Glass, Add</i>	67.25	
		<i>For Obscure Glass, Add</i>	73.97	
08 53 13 00-0167		60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	328.72	46.49
		<i>For Colored Vinyl, Add</i>	23.57	
		<i>For Tinted Glass, Add</i>	28.29	
		<i>For Low-E Insulated Glass, Add</i>	58.93	
		<i>For Obscure Glass, Add</i>	64.83	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	339.02	48.07
		<i>For Colored Vinyl, Add</i>	24.29	
		<i>For Tinted Glass, Add</i>	29.15	
		<i>For Low-E Insulated Glass, Add</i>	60.72	
		<i>For Obscure Glass, Add</i>	66.79	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	345.39	48.86
		<i>For Colored Vinyl, Add</i>	24.77	
		<i>For Tinted Glass, Add</i>	29.72	
		<i>For Low-E Insulated Glass, Add</i>	61.92	
		<i>For Obscure Glass, Add</i>	68.11	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	350.10	49.64
		<i>For Colored Vinyl, Add</i>	25.08	
		<i>For Tinted Glass, Add</i>	30.10	
		<i>For Low-E Insulated Glass, Add</i>	62.70	
		<i>For Obscure Glass, Add</i>	68.97	
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.27	51.22
		<i>For Colored Vinyl, Add</i>	26.18	
		<i>For Tinted Glass, Add</i>	31.42	
		<i>For Low-E Insulated Glass, Add</i>	65.46	
		<i>For Obscure Glass, Add</i>	72.00	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	386.85	54.37
		<i>For Colored Vinyl, Add</i>	27.81	
		<i>For Tinted Glass, Add</i>	33.37	
		<i>For Low-E Insulated Glass, Add</i>	69.53	
		<i>For Obscure Glass, Add</i>	76.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	332.45	47.28
			For Colored Vinyl, Add	23.79	
			For Tinted Glass, Add	28.55	
			For Low-E Insulated Glass, Add	59.47	
			For Obscure Glass, Add	65.42	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	342.75	48.86
			For Colored Vinyl, Add	24.50	
			For Tinted Glass, Add	29.40	
			For Low-E Insulated Glass, Add	61.26	
			For Obscure Glass, Add	67.39	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	349.61	49.64
			For Colored Vinyl, Add	25.03	
			For Tinted Glass, Add	30.04	
			For Low-E Insulated Glass, Add	62.58	
			For Obscure Glass, Add	68.84	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	354.31	50.43
			For Colored Vinyl, Add	25.35	
			For Tinted Glass, Add	30.41	
			For Low-E Insulated Glass, Add	63.36	
			For Obscure Glass, Add	69.70	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	368.64	52.01
			For Colored Vinyl, Add	26.46	
			For Tinted Glass, Add	31.76	
			For Low-E Insulated Glass, Add	66.16	
			For Obscure Glass, Add	72.77	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	391.85	55.16
			For Colored Vinyl, Add	28.15	
			For Tinted Glass, Add	33.78	
			For Low-E Insulated Glass, Add	70.38	
			For Obscure Glass, Add	77.42	

08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	340.63	48.86
			For Colored Vinyl, Add	24.29	
			For Tinted Glass, Add	29.15	
			For Low-E Insulated Glass, Add	60.73	
			For Obscure Glass, Add	66.80	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	350.94	50.43
			For Colored Vinyl, Add	25.01	
			For Tinted Glass, Add	30.01	
			For Low-E Insulated Glass, Add	62.52	
			For Obscure Glass, Add	68.77	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	358.06	51.22
			For Colored Vinyl, Add	25.56	
			For Tinted Glass, Add	30.67	
			For Low-E Insulated Glass, Add	63.91	
			For Obscure Glass, Add	70.30	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	362.76	52.01
			For Colored Vinyl, Add	25.88	
			For Tinted Glass, Add	31.05	
			For Low-E Insulated Glass, Add	64.69	
			For Obscure Glass, Add	71.16	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	377.50	53.58
			For Colored Vinyl, Add	27.03	
			For Tinted Glass, Add	32.44	
			For Low-E Insulated Glass, Add	67.58	
			For Obscure Glass, Add	74.34	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	401.54	56.73
			For Colored Vinyl, Add	28.81	
			For Tinted Glass, Add	34.57	
			For Low-E Insulated Glass, Add	72.02	
			For Obscure Glass, Add	79.22	

08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	352.92	51.22
			For Colored Vinyl, Add	25.05	
			For Tinted Glass, Add	30.06	
			For Low-E Insulated Glass, Add	62.62	
			For Obscure Glass, Add	68.88	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	363.23	52.80
			For Colored Vinyl, Add	25.76	
			For Tinted Glass, Add	30.92	
			For Low-E Insulated Glass, Add	64.41	
			For Obscure Glass, Add	70.85	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	370.36	53.58
			For Colored Vinyl, Add	26.32	
			For Tinted Glass, Add	31.58	
			For Low-E Insulated Glass, Add	65.80	
			For Obscure Glass, Add	72.37	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0192	EA 32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	375.06	54.37
	For Colored Vinyl, Add	26.63	
	For Tinted Glass, Add	31.96	
	For Low-E Insulated Glass, Add	66.58	
	For Obscure Glass, Add	73.24	
08 53 13 00-0193	EA 36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	389.78	55.95
	For Colored Vinyl, Add	27.79	
	For Tinted Glass, Add	33.35	
	For Low-E Insulated Glass, Add	69.47	
	For Obscure Glass, Add	76.42	
08 53 13 00-0194	EA 44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	413.81	59.10
	For Colored Vinyl, Add	29.56	
	For Tinted Glass, Add	35.47	
	For Low-E Insulated Glass, Add	73.90	
	For Obscure Glass, Add	81.29	
08 53 13 00-0195	Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	340.24	41.37
	For Colored Vinyl, Add	25.75	
	For Tinted Glass, Add	30.90	
	For Low-E Insulated Glass, Add	64.38	
	For Obscure Glass, Add	70.81	
08 53 13 00-0197	EA >73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	375.03	45.31
	For Colored Vinyl, Add	28.44	
	For Tinted Glass, Add	34.13	
	For Low-E Insulated Glass, Add	71.10	
	For Obscure Glass, Add	78.21	
08 53 13 00-0198	EA >83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	407.80	49.25
	For Colored Vinyl, Add	30.93	
	For Tinted Glass, Add	37.12	
	For Low-E Insulated Glass, Add	77.33	
	For Obscure Glass, Add	85.06	
08 53 13 00-0199	EA >93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	432.11	53.19
	For Colored Vinyl, Add	32.57	
	For Tinted Glass, Add	39.09	
	For Low-E Insulated Glass, Add	81.43	
	For Obscure Glass, Add	89.58	
08 53 13 00-0200	EA >101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	457.93	57.13
	For Colored Vinyl, Add	34.37	
	For Tinted Glass, Add	41.24	
	For Low-E Insulated Glass, Add	85.92	
	For Obscure Glass, Add	94.51	
08 53 13 00-0201	EA >110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	497.05	61.08
	For Colored Vinyl, Add	37.49	
	For Tinted Glass, Add	44.99	
	For Low-E Insulated Glass, Add	93.73	
	For Obscure Glass, Add	103.10	
08 53 13 00-0202	UI >120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	4.14	0.51
	For Colored Vinyl, Add	0.31	
	For Tinted Glass, Add	0.37	
	For Low-E Insulated Glass, Add	0.78	
	For Obscure Glass, Add	0.86	
08 53 13 00-0203	Casement Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0204	New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0203)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205	One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206	24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA 17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	253.13	29.94
	For Colored Vinyl, Add	19.40	
	For Tinted Glass, Add	23.28	
	For Low-E Insulated Glass, Add	48.51	
	For Obscure Glass, Add	53.36	
08 53 13 00-0208	EA 20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	262.05	30.73
	For Colored Vinyl, Add	20.06	
	For Tinted Glass, Add	24.07	
	For Low-E Insulated Glass, Add	50.15	
	For Obscure Glass, Add	55.16	
08 53 13 00-0209	EA 24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	271.75	32.31
	For Colored Vinyl, Add	20.71	
	For Tinted Glass, Add	24.86	
	For Low-E Insulated Glass, Add	51.78	
	For Obscure Glass, Add	56.96	
08 53 13 00-0210	EA 28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	288.66	33.88
	For Colored Vinyl, Add	22.09	
	For Tinted Glass, Add	26.51	
	For Low-E Insulated Glass, Add	55.22	
	For Obscure Glass, Add	60.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	268.48	31.52
			For Colored Vinyl, Add	20.62	
			For Tinted Glass, Add	24.75	
			For Low-E Insulated Glass, Add	51.56	
			For Obscure Glass, Add	56.71	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	278.14	32.31
			For Colored Vinyl, Add	21.35	
			For Tinted Glass, Add	25.62	
			For Low-E Insulated Glass, Add	53.38	
			For Obscure Glass, Add	58.72	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	288.56	33.88
			For Colored Vinyl, Add	22.08	
			For Tinted Glass, Add	26.49	
			For Low-E Insulated Glass, Add	55.20	
			For Obscure Glass, Add	60.72	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	306.37	35.47
			For Colored Vinyl, Add	23.55	
			For Tinted Glass, Add	28.25	
			For Low-E Insulated Glass, Add	58.86	
			For Obscure Glass, Add	64.75	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	287.09	33.88
			For Colored Vinyl, Add	21.93	
			For Tinted Glass, Add	26.32	
			For Low-E Insulated Glass, Add	54.83	
			For Obscure Glass, Add	60.31	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	297.11	35.47
			For Colored Vinyl, Add	22.70	
			For Tinted Glass, Add	27.24	
			For Low-E Insulated Glass, Add	56.75	
			For Obscure Glass, Add	62.42	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	307.95	36.65
			For Colored Vinyl, Add	23.47	
			For Tinted Glass, Add	28.16	
			For Low-E Insulated Glass, Add	58.67	
			For Obscure Glass, Add	64.53	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	326.46	38.22
			For Colored Vinyl, Add	25.00	
			For Tinted Glass, Add	30.00	
			For Low-E Insulated Glass, Add	62.51	
			For Obscure Glass, Add	68.76	
08 53 13 00-0221			40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	303.67	36.25
			For Colored Vinyl, Add	23.20	
			For Tinted Glass, Add	27.84	
			For Low-E Insulated Glass, Add	57.99	
			For Obscure Glass, Add	63.79	
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	314.21	37.04
			For Colored Vinyl, Add	24.01	
			For Tinted Glass, Add	28.82	
			For Low-E Insulated Glass, Add	60.04	
			For Obscure Glass, Add	66.04	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	325.55	38.62
			For Colored Vinyl, Add	24.83	
			For Tinted Glass, Add	29.80	
			For Low-E Insulated Glass, Add	62.08	
			For Obscure Glass, Add	68.29	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	345.51	40.19
			For Colored Vinyl, Add	26.51	
			For Tinted Glass, Add	31.82	
			For Low-E Insulated Glass, Add	66.29	
			For Obscure Glass, Add	72.91	
08 53 13 00-0226			48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	322.73	39.40
			For Colored Vinyl, Add	24.47	
			For Tinted Glass, Add	29.37	
			For Low-E Insulated Glass, Add	61.18	
			For Obscure Glass, Add	67.30	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	333.72	40.19
			For Colored Vinyl, Add	25.34	
			For Tinted Glass, Add	30.40	
			For Low-E Insulated Glass, Add	63.34	
			For Obscure Glass, Add	69.67	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0229	EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	345.53	41.77
	For Colored Vinyl, Add	26.20	
	For Tinted Glass, Add	31.44	
	For Low-E Insulated Glass, Add	65.50	
	For Obscure Glass, Add	72.05	
08 53 13 00-0230	EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	367.41	43.34
	For Colored Vinyl, Add	28.07	
	For Tinted Glass, Add	33.69	
	For Low-E Insulated Glass, Add	70.18	
	For Obscure Glass, Add	77.20	
08 53 13 00-0231	52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	338.58	40.98
	For Colored Vinyl, Add	25.74	
	For Tinted Glass, Add	30.89	
	For Low-E Insulated Glass, Add	64.36	
	For Obscure Glass, Add	70.79	
08 53 13 00-0233	EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	350.19	41.77
	For Colored Vinyl, Add	26.67	
	For Tinted Glass, Add	32.00	
	For Low-E Insulated Glass, Add	66.66	
	For Obscure Glass, Add	73.33	
08 53 13 00-0234	EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	362.55	43.34
	For Colored Vinyl, Add	27.59	
	For Tinted Glass, Add	33.10	
	For Low-E Insulated Glass, Add	68.97	
	For Obscure Glass, Add	75.86	
08 53 13 00-0235	EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	384.79	44.92
	For Colored Vinyl, Add	29.50	
	For Tinted Glass, Add	35.39	
	For Low-E Insulated Glass, Add	73.74	
	For Obscure Glass, Add	81.11	
08 53 13 00-0236	60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237	EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	356.81	43.34
	For Colored Vinyl, Add	27.01	
	For Tinted Glass, Add	32.41	
	For Low-E Insulated Glass, Add	67.53	
	For Obscure Glass, Add	74.28	
08 53 13 00-0238	EA 20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	368.98	44.92
	For Colored Vinyl, Add	27.99	
	For Tinted Glass, Add	33.59	
	For Low-E Insulated Glass, Add	69.98	
	For Obscure Glass, Add	76.98	
08 53 13 00-0239	EA 24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	381.95	46.10
	For Colored Vinyl, Add	28.98	
	For Tinted Glass, Add	34.77	
	For Low-E Insulated Glass, Add	72.44	
	For Obscure Glass, Add	79.68	
08 53 13 00-0240	EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	404.53	47.68
	For Colored Vinyl, Add	30.92	
	For Tinted Glass, Add	37.10	
	For Low-E Insulated Glass, Add	77.30	
	For Obscure Glass, Add	85.02	
08 53 13 00-0241	64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242	EA 17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	373.13	45.71
	For Colored Vinyl, Add	28.25	
	For Tinted Glass, Add	33.90	
	For Low-E Insulated Glass, Add	70.63	
	For Obscure Glass, Add	77.69	
08 53 13 00-0243	EA 20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	385.62	46.49
	For Colored Vinyl, Add	29.26	
	For Tinted Glass, Add	35.12	
	For Low-E Insulated Glass, Add	73.16	
	For Obscure Glass, Add	80.47	
08 53 13 00-0244	EA 24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	399.39	48.07
	For Colored Vinyl, Add	30.33	
	For Tinted Glass, Add	36.39	
	For Low-E Insulated Glass, Add	75.81	
	For Obscure Glass, Add	83.39	
08 53 13 00-0245	EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	421.47	49.64
	For Colored Vinyl, Add	32.22	
	For Tinted Glass, Add	38.66	
	For Low-E Insulated Glass, Add	80.55	
	For Obscure Glass, Add	88.60	
08 53 13 00-0246	72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	393.31	48.07
			For Colored Vinyl, Add	29.72	
			For Tinted Glass, Add	35.66	
			For Low-E Insulated Glass, Add	74.29	
			For Obscure Glass, Add	81.72	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	406.41	49.64
			For Colored Vinyl, Add	30.79	
			For Tinted Glass, Add	36.95	
			For Low-E Insulated Glass, Add	76.98	
			For Obscure Glass, Add	84.68	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	419.62	50.83
			For Colored Vinyl, Add	31.80	
			For Tinted Glass, Add	38.16	
			For Low-E Insulated Glass, Add	79.49	
			For Obscure Glass, Add	87.44	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	441.43	52.40
			For Colored Vinyl, Add	33.66	
			For Tinted Glass, Add	40.40	
			For Low-E Insulated Glass, Add	84.16	
			For Obscure Glass, Add	92.57	
08 53 13 00-0251			Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252			36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	501.62	40.19
			For Colored Vinyl, Add	42.13	
			For Tinted Glass, Add	50.55	
			For Low-E Insulated Glass, Add	105.31	
			For Obscure Glass, Add	115.84	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	520.37	43.34
			For Colored Vinyl, Add	43.45	
			For Tinted Glass, Add	52.14	
			For Low-E Insulated Glass, Add	108.62	
			For Obscure Glass, Add	119.48	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	539.91	46.49
			For Colored Vinyl, Add	44.77	
			For Tinted Glass, Add	53.73	
			For Low-E Insulated Glass, Add	111.93	
			For Obscure Glass, Add	123.12	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	561.92	49.25
			For Colored Vinyl, Add	46.34	
			For Tinted Glass, Add	55.61	
			For Low-E Insulated Glass, Add	115.86	
			For Obscure Glass, Add	127.44	
08 53 13 00-0257			40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	531.05	42.16
			For Colored Vinyl, Add	44.67	
			For Tinted Glass, Add	53.61	
			For Low-E Insulated Glass, Add	111.68	
			For Obscure Glass, Add	122.85	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	550.88	44.92
			For Colored Vinyl, Add	46.10	
			For Tinted Glass, Add	55.32	
			For Low-E Insulated Glass, Add	115.26	
			For Obscure Glass, Add	126.79	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	571.51	48.07
			For Colored Vinyl, Add	47.54	
			For Tinted Glass, Add	57.04	
			For Low-E Insulated Glass, Add	118.84	
			For Obscure Glass, Add	130.73	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	592.85	51.22
			For Colored Vinyl, Add	49.04	
			For Tinted Glass, Add	58.85	
			For Low-E Insulated Glass, Add	122.60	
			For Obscure Glass, Add	134.86	
08 53 13 00-0262			48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	563.33	45.31
			For Colored Vinyl, Add	47.27	
			For Tinted Glass, Add	56.73	
			For Low-E Insulated Glass, Add	118.18	
			For Obscure Glass, Add	130.00	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	583.94	48.07
			For Colored Vinyl, Add	48.78	
			For Tinted Glass, Add	58.54	
			For Low-E Insulated Glass, Add	121.95	
			For Obscure Glass, Add	134.15	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0265	EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	605.36	51.22
	<i>For Colored Vinyl, Add</i>	50.29	
	<i>For Tinted Glass, Add</i>	60.35	
	<i>For Low-E Insulated Glass, Add</i>	125.73	
	<i>For Obscure Glass, Add</i>	138.30	
08 53 13 00-0266	EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	628.54	54.37
	<i>For Colored Vinyl, Add</i>	51.98	
	<i>For Tinted Glass, Add</i>	62.37	
	<i>For Low-E Insulated Glass, Add</i>	129.95	
	<i>For Obscure Glass, Add</i>	142.94	
08 53 13 00-0267	52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268	EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	592.40	46.89
	<i>For Colored Vinyl, Add</i>	49.86	
	<i>For Tinted Glass, Add</i>	59.84	
	<i>For Low-E Insulated Glass, Add</i>	124.66	
	<i>For Obscure Glass, Add</i>	137.12	
08 53 13 00-0269	EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	614.06	49.64
	<i>For Colored Vinyl, Add</i>	51.48	
	<i>For Tinted Glass, Add</i>	61.77	
	<i>For Low-E Insulated Glass, Add</i>	128.69	
	<i>For Obscure Glass, Add</i>	141.56	
08 53 13 00-0270	EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	636.51	52.80
	<i>For Colored Vinyl, Add</i>	53.09	
	<i>For Tinted Glass, Add</i>	63.71	
	<i>For Low-E Insulated Glass, Add</i>	132.73	
	<i>For Obscure Glass, Add</i>	146.00	
08 53 13 00-0271	EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	660.05	55.95
	<i>For Colored Vinyl, Add</i>	54.82	
	<i>For Tinted Glass, Add</i>	65.78	
	<i>For Low-E Insulated Glass, Add</i>	137.04	
	<i>For Obscure Glass, Add</i>	150.74	
08 53 13 00-0272	60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273	EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	623.84	49.64
	<i>For Colored Vinyl, Add</i>	52.46	
	<i>For Tinted Glass, Add</i>	62.95	
	<i>For Low-E Insulated Glass, Add</i>	131.14	
	<i>For Obscure Glass, Add</i>	144.25	
08 53 13 00-0274	EA 40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	646.54	52.80
	<i>For Colored Vinyl, Add</i>	54.17	
	<i>For Tinted Glass, Add</i>	65.01	
	<i>For Low-E Insulated Glass, Add</i>	135.44	
	<i>For Obscure Glass, Add</i>	148.98	
08 53 13 00-0275	EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	670.03	55.95
	<i>For Colored Vinyl, Add</i>	55.89	
	<i>For Tinted Glass, Add</i>	67.07	
	<i>For Low-E Insulated Glass, Add</i>	139.73	
	<i>For Obscure Glass, Add</i>	153.70	
08 53 13 00-0276	EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	693.91	58.70
	<i>For Colored Vinyl, Add</i>	57.65	
	<i>For Tinted Glass, Add</i>	69.18	
	<i>For Low-E Insulated Glass, Add</i>	144.12	
	<i>For Obscure Glass, Add</i>	158.53	
08 53 13 00-0277	64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0278	EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	654.55	51.61
	<i>For Colored Vinyl, Add</i>	55.13	
	<i>For Tinted Glass, Add</i>	66.16	
	<i>For Low-E Insulated Glass, Add</i>	137.83	
	<i>For Obscure Glass, Add</i>	151.61	
08 53 13 00-0279	EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	677.26	54.37
	<i>For Colored Vinyl, Add</i>	56.85	
	<i>For Tinted Glass, Add</i>	68.22	
	<i>For Low-E Insulated Glass, Add</i>	142.13	
	<i>For Obscure Glass, Add</i>	156.34	
08 53 13 00-0280	EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	700.65	57.52
	<i>For Colored Vinyl, Add</i>	58.56	
	<i>For Tinted Glass, Add</i>	70.27	
	<i>For Low-E Insulated Glass, Add</i>	146.40	
	<i>For Obscure Glass, Add</i>	161.04	
08 53 13 00-0281	EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	724.61	60.68
	<i>For Colored Vinyl, Add</i>	60.33	
	<i>For Tinted Glass, Add</i>	72.39	
	<i>For Low-E Insulated Glass, Add</i>	150.82	
	<i>For Obscure Glass, Add</i>	165.90	
08 53 13 00-0282	72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	688.57	54.37
			For Colored Vinyl, Add	57.98	
			For Tinted Glass, Add	69.58	
			For Low-E Insulated Glass, Add	144.96	
			For Obscure Glass, Add	159.45	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	711.27	57.52
			For Colored Vinyl, Add	59.70	
			For Tinted Glass, Add	71.64	
			For Low-E Insulated Glass, Add	149.25	
			For Obscure Glass, Add	164.18	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	734.78	60.68
			For Colored Vinyl, Add	61.42	
			For Tinted Glass, Add	73.71	
			For Low-E Insulated Glass, Add	153.55	
			For Obscure Glass, Add	168.91	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	758.65	63.44
			For Colored Vinyl, Add	63.18	
			For Tinted Glass, Add	75.81	
			For Low-E Insulated Glass, Add	157.95	
			For Obscure Glass, Add	173.74	
08 53 13 00-0287			Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288			36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	619.71	51.22
			For Colored Vinyl, Add	51.73	
			For Tinted Glass, Add	62.07	
			For Low-E Insulated Glass, Add	129.32	
			For Obscure Glass, Add	142.25	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	649.39	55.16
			For Colored Vinyl, Add	53.91	
			For Tinted Glass, Add	64.69	
			For Low-E Insulated Glass, Add	134.77	
			For Obscure Glass, Add	148.24	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	702.20	61.08
			For Colored Vinyl, Add	58.01	
			For Tinted Glass, Add	69.61	
			For Low-E Insulated Glass, Add	145.02	
			For Obscure Glass, Add	159.52	
08 53 13 00-0292			40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	660.00	53.58
			For Colored Vinyl, Add	55.36	
			For Tinted Glass, Add	66.43	
			For Low-E Insulated Glass, Add	138.41	
			For Obscure Glass, Add	152.25	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	689.89	57.13
			For Colored Vinyl, Add	57.56	
			For Tinted Glass, Add	69.08	
			For Low-E Insulated Glass, Add	143.91	
			For Obscure Glass, Add	158.30	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	745.65	63.05
			For Colored Vinyl, Add	61.96	
			For Tinted Glass, Add	74.35	
			For Low-E Insulated Glass, Add	154.89	
			For Obscure Glass, Add	170.38	
08 53 13 00-0296			48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	698.24	56.73
			For Colored Vinyl, Add	58.48	
			For Tinted Glass, Add	70.17	
			For Low-E Insulated Glass, Add	146.19	
			For Obscure Glass, Add	160.81	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	733.28	60.29
			For Colored Vinyl, Add	61.27	
			For Tinted Glass, Add	73.53	
			For Low-E Insulated Glass, Add	153.18	
			For Obscure Glass, Add	168.50	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	791.56	66.20
			For Colored Vinyl, Add	65.92	
			For Tinted Glass, Add	79.10	
			For Low-E Insulated Glass, Add	164.79	
			For Obscure Glass, Add	181.27	
08 53 13 00-0300			52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	736.48	58.31
	For Colored Vinyl, Add	61.99	
	For Tinted Glass, Add	74.38	
	For Low-E Insulated Glass, Add	154.96	
	For Obscure Glass, Add	170.46	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	773.84	62.26
	For Colored Vinyl, Add	64.93	
	For Tinted Glass, Add	77.92	
	For Low-E Insulated Glass, Add	162.34	
	For Obscure Glass, Add	178.57	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	840.15	67.77
	For Colored Vinyl, Add	70.46	
	For Tinted Glass, Add	84.55	
	For Low-E Insulated Glass, Add	176.15	
	For Obscure Glass, Add	193.77	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	777.06	61.08
	For Colored Vinyl, Add	65.49	
	For Tinted Glass, Add	78.59	
	For Low-E Insulated Glass, Add	163.73	
	For Obscure Glass, Add	180.10	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	815.96	65.01
	For Colored Vinyl, Add	68.59	
	For Tinted Glass, Add	82.31	
	For Low-E Insulated Glass, Add	171.49	
	For Obscure Glass, Add	188.63	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	891.10	70.53
	For Colored Vinyl, Add	75.00	
	For Tinted Glass, Add	90.00	
	For Low-E Insulated Glass, Add	187.51	
	For Obscure Glass, Add	206.26	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309	EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	820.63	63.05
	For Colored Vinyl, Add	69.46	
	For Tinted Glass, Add	83.35	
	For Low-E Insulated Glass, Add	173.64	
	For Obscure Glass, Add	191.00	
08 53 13 00-0310	EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	859.52	66.98
	For Colored Vinyl, Add	72.56	
	For Tinted Glass, Add	87.07	
	For Low-E Insulated Glass, Add	181.39	
	For Obscure Glass, Add	199.53	
08 53 13 00-0311	EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	934.64	72.50
	For Colored Vinyl, Add	78.97	
	For Tinted Glass, Add	94.76	
	For Low-E Insulated Glass, Add	197.41	
	For Obscure Glass, Add	217.15	
08 53 13 00-0312	72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313	EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	865.86	65.80
	For Colored Vinyl, Add	73.43	
	For Tinted Glass, Add	88.11	
	For Low-E Insulated Glass, Add	183.57	
	For Obscure Glass, Add	201.92	
08 53 13 00-0314	EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	904.74	69.74
	For Colored Vinyl, Add	76.53	
	For Tinted Glass, Add	91.83	
	For Low-E Insulated Glass, Add	191.32	
	For Obscure Glass, Add	210.45	
08 53 13 00-0315	EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	979.87	75.25
	For Colored Vinyl, Add	82.94	
	For Tinted Glass, Add	99.52	
	For Low-E Insulated Glass, Add	207.34	
	For Obscure Glass, Add	228.07	
08 53 13 00-0316	Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317	One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA Up To 53" U1, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	323.37	33.49
	For Colored Vinyl, Add	25.64	
	For Tinted Glass, Add	30.77	
	For Low-E Insulated Glass, Add	64.10	
	For Obscure Glass, Add	70.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	366.93	37.44
			For Colored Vinyl, Add	29.21	
			For Tinted Glass, Add	35.05	
			For Low-E Insulated Glass, Add	73.02	
			For Obscure Glass, Add	80.32	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	406.45	41.37
			For Colored Vinyl, Add	32.37	
			For Tinted Glass, Add	38.85	
			For Low-E Insulated Glass, Add	80.93	
			For Obscure Glass, Add	89.02	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	441.95	45.31
			For Colored Vinyl, Add	35.13	
			For Tinted Glass, Add	42.16	
			For Low-E Insulated Glass, Add	87.83	
			For Obscure Glass, Add	96.62	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	473.41	49.25
			For Colored Vinyl, Add	37.49	
			For Tinted Glass, Add	44.99	
			For Low-E Insulated Glass, Add	93.73	
			For Obscure Glass, Add	103.10	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	493.18	53.19
			For Colored Vinyl, Add	38.68	
			For Tinted Glass, Add	46.42	
			For Low-E Insulated Glass, Add	96.70	
			For Obscure Glass, Add	106.37	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	4.85	0.51
			For Colored Vinyl, Add	0.38	
			For Tinted Glass, Add	0.46	
			For Low-E Insulated Glass, Add	0.96	
			For Obscure Glass, Add	1.05	
08 53 13 00-0325			Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	531.52	41.37
			For Colored Vinyl, Add	44.88	
			For Tinted Glass, Add	53.85	
			For Low-E Insulated Glass, Add	112.20	
			For Obscure Glass, Add	123.41	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	584.15	45.31
			For Colored Vinyl, Add	49.35	
			For Tinted Glass, Add	59.22	
			For Low-E Insulated Glass, Add	123.38	
			For Obscure Glass, Add	135.72	
08 53 13 00-0328	EA		>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	632.75	49.25
			For Colored Vinyl, Add	53.43	
			For Tinted Glass, Add	64.11	
			For Low-E Insulated Glass, Add	133.56	
			For Obscure Glass, Add	146.92	
08 53 13 00-0329	EA		>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	666.22	53.19
			For Colored Vinyl, Add	55.98	
			For Tinted Glass, Add	67.18	
			For Low-E Insulated Glass, Add	139.96	
			For Obscure Glass, Add	153.96	
08 53 13 00-0330	EA		>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	701.82	57.13
			For Colored Vinyl, Add	58.76	
			For Tinted Glass, Add	70.51	
			For Low-E Insulated Glass, Add	146.89	
			For Obscure Glass, Add	161.58	
08 53 13 00-0331	EA		>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	738.93	61.08
			For Colored Vinyl, Add	61.68	
			For Tinted Glass, Add	74.01	
			For Low-E Insulated Glass, Add	154.20	
			For Obscure Glass, Add	169.62	
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.16	0.51
			For Colored Vinyl, Add	0.51	
			For Tinted Glass, Add	0.62	
			For Low-E Insulated Glass, Add	1.29	
			For Obscure Glass, Add	1.41	
08 53 13 00-0333			Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) <small>(08 53 13 00-0316)</small>		
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	553.59	41.37
			For Colored Vinyl, Add	47.09	
			For Tinted Glass, Add	56.50	
			For Low-E Insulated Glass, Add	117.71	
			For Obscure Glass, Add	129.48	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	608.64	45.31
			For Colored Vinyl, Add	51.80	
			For Tinted Glass, Add	62.16	
			For Low-E Insulated Glass, Add	129.51	
			For Obscure Glass, Add	142.46	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	660.86	49.25
			For Colored Vinyl, Add	56.24	
			For Tinted Glass, Add	67.48	
			For Low-E Insulated Glass, Add	140.59	
			For Obscure Glass, Add	154.65	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0337	EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	696.76	53.19
	For Colored Vinyl, Add	59.04	
	For Tinted Glass, Add	70.85	
	For Low-E Insulated Glass, Add	147.60	
	For Obscure Glass, Add	162.35	
08 53 13 00-0338	EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	735.08	57.13
	For Colored Vinyl, Add	62.08	
	For Tinted Glass, Add	74.50	
	For Low-E Insulated Glass, Add	155.21	
	For Obscure Glass, Add	170.73	
08 53 13 00-0339	EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	775.21	61.08
	For Colored Vinyl, Add	65.31	
	For Tinted Glass, Add	78.37	
	For Low-E Insulated Glass, Add	163.27	
	For Obscure Glass, Add	179.59	
08 53 13 00-0340	UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.46	0.51
	For Colored Vinyl, Add	0.54	
	For Tinted Glass, Add	0.65	
	For Low-E Insulated Glass, Add	1.36	
	For Obscure Glass, Add	1.50	
08 53 13 00-0341	Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342	New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341) Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343	Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344	17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0345	EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	324.98	32.31
	For Colored Vinyl, Add	26.04	
	For Tinted Glass, Add	31.24	
	For Low-E Insulated Glass, Add	65.09	
	For Obscure Glass, Add	71.60	
08 53 13 00-0346	EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	340.22	33.88
	For Colored Vinyl, Add	27.25	
	For Tinted Glass, Add	32.69	
	For Low-E Insulated Glass, Add	68.11	
	For Obscure Glass, Add	74.92	
08 53 13 00-0347	EA 36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	363.88	36.65
	For Colored Vinyl, Add	29.06	
	For Tinted Glass, Add	34.87	
	For Low-E Insulated Glass, Add	72.65	
	For Obscure Glass, Add	79.91	
08 53 13 00-0348	EA 40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	379.22	38.62
	For Colored Vinyl, Add	30.20	
	For Tinted Glass, Add	36.24	
	For Low-E Insulated Glass, Add	75.50	
	For Obscure Glass, Add	83.05	
08 53 13 00-0349	EA 48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	404.37	41.77
	For Colored Vinyl, Add	32.08	
	For Tinted Glass, Add	38.50	
	For Low-E Insulated Glass, Add	80.21	
	For Obscure Glass, Add	88.23	
08 53 13 00-0350	20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0351	EA 24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	342.46	33.88
	For Colored Vinyl, Add	27.55	
	For Tinted Glass, Add	33.06	
	For Low-E Insulated Glass, Add	68.87	
	For Obscure Glass, Add	75.76	
08 53 13 00-0352	EA 28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	357.70	35.47
	For Colored Vinyl, Add	28.76	
	For Tinted Glass, Add	34.51	
	For Low-E Insulated Glass, Add	71.89	
	For Obscure Glass, Add	79.08	
08 53 13 00-0353	EA 36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	383.04	37.83
	For Colored Vinyl, Add	30.74	
	For Tinted Glass, Add	36.89	
	For Low-E Insulated Glass, Add	76.85	
	For Obscure Glass, Add	84.53	
08 53 13 00-0354	EA 40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	398.40	40.19
	For Colored Vinyl, Add	31.88	
	For Tinted Glass, Add	38.26	
	For Low-E Insulated Glass, Add	79.70	
	For Obscure Glass, Add	87.67	
08 53 13 00-0355	EA 48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	425.19	42.95
	For Colored Vinyl, Add	33.93	
	For Tinted Glass, Add	40.71	
	For Low-E Insulated Glass, Add	84.82	
	For Obscure Glass, Add	93.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	353.99	35.47
			For Colored Vinyl, Add	28.39	
			For Tinted Glass, Add	34.06	
			For Low-E Insulated Glass, Add	70.97	
			For Obscure Glass, Add	78.06	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	369.25	37.04
			For Colored Vinyl, Add	29.60	
			For Tinted Glass, Add	35.52	
			For Low-E Insulated Glass, Add	73.99	
			For Obscure Glass, Add	81.39	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	395.42	39.40
			For Colored Vinyl, Add	31.66	
			For Tinted Glass, Add	37.99	
			For Low-E Insulated Glass, Add	79.16	
			For Obscure Glass, Add	87.07	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	412.14	41.77
			For Colored Vinyl, Add	32.94	
			For Tinted Glass, Add	39.53	
			For Low-E Insulated Glass, Add	82.35	
			For Obscure Glass, Add	90.59	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	439.27	44.52
			For Colored Vinyl, Add	35.02	
			For Tinted Glass, Add	42.03	
			For Low-E Insulated Glass, Add	87.56	
			For Obscure Glass, Add	96.31	
08 53 13 00-0362			28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	365.56	37.04
			For Colored Vinyl, Add	29.23	
			For Tinted Glass, Add	35.07	
			For Low-E Insulated Glass, Add	73.07	
			For Obscure Glass, Add	80.37	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	380.80	38.62
			For Colored Vinyl, Add	30.44	
			For Tinted Glass, Add	36.52	
			For Low-E Insulated Glass, Add	76.09	
			For Obscure Glass, Add	83.70	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	407.82	40.98
			For Colored Vinyl, Add	32.59	
			For Tinted Glass, Add	39.10	
			For Low-E Insulated Glass, Add	81.47	
			For Obscure Glass, Add	89.61	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	425.80	43.34
			For Colored Vinyl, Add	33.99	
			For Tinted Glass, Add	40.79	
			For Low-E Insulated Glass, Add	84.98	
			For Obscure Glass, Add	93.47	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	453.34	46.10
			For Colored Vinyl, Add	36.11	
			For Tinted Glass, Add	43.34	
			For Low-E Insulated Glass, Add	90.29	
			For Obscure Glass, Add	99.31	
08 53 13 00-0368			36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	431.80	43.74
			For Colored Vinyl, Add	34.43	
			For Tinted Glass, Add	41.32	
			For Low-E Insulated Glass, Add	86.08	
			For Obscure Glass, Add	94.69	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	449.79	45.71
			For Colored Vinyl, Add	35.84	
			For Tinted Glass, Add	43.01	
			For Low-E Insulated Glass, Add	89.60	
			For Obscure Glass, Add	98.55	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	479.01	48.86
			For Colored Vinyl, Add	38.13	
			For Tinted Glass, Add	45.76	
			For Low-E Insulated Glass, Add	95.33	
			For Obscure Glass, Add	104.86	
08 53 13 00-0372			Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" U/I, Replacement, Awning Vinyl Window (Silver Line 7400).....	339.39	33.49
			For Colored Vinyl, Add	27.24	
			For Tinted Glass, Add	32.69	
			For Low-E Insulated Glass, Add	68.10	
			For Obscure Glass, Add	74.91	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0374	EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	392.32	37.44
	For Colored Vinyl, Add	31.75	
	For Tinted Glass, Add	38.10	
	For Low-E Insulated Glass, Add	79.37	
	For Obscure Glass, Add	87.30	
08 53 13 00-0375	EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	443.24	41.37
	For Colored Vinyl, Add	36.05	
	For Tinted Glass, Add	43.26	
	For Low-E Insulated Glass, Add	90.13	
	For Obscure Glass, Add	99.14	
08 53 13 00-0376	EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	492.14	45.31
	For Colored Vinyl, Add	40.15	
	For Tinted Glass, Add	48.18	
	For Low-E Insulated Glass, Add	100.38	
	For Obscure Glass, Add	110.42	
08 53 13 00-0377	EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	539.02	49.25
	For Colored Vinyl, Add	44.05	
	For Tinted Glass, Add	52.86	
	For Low-E Insulated Glass, Add	110.13	
	For Obscure Glass, Add	121.14	
08 53 13 00-0378	EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	564.43	53.19
	For Colored Vinyl, Add	45.81	
	For Tinted Glass, Add	54.97	
	For Low-E Insulated Glass, Add	114.51	
	For Obscure Glass, Add	125.96	
08 53 13 00-0379	UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	5.56	0.51
	For Colored Vinyl, Add	0.45	
	For Tinted Glass, Add	0.54	
	For Low-E Insulated Glass, Add	1.14	
	For Obscure Glass, Add	1.25	
08 53 13 00-0380	Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0381	New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382	20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0383	EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	198.12	38.62
	For Colored Vinyl, Add	12.17	
	For Tinted Glass, Add	14.60	
	For Low-E Insulated Glass, Add	30.42	
	For Obscure Glass, Add	33.46	
08 53 13 00-0384	EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	219.52	43.34
	For Colored Vinyl, Add	13.36	
	For Tinted Glass, Add	16.03	
	For Low-E Insulated Glass, Add	33.41	
	For Obscure Glass, Add	36.75	
08 53 13 00-0385	EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	230.20	45.31
	For Colored Vinyl, Add	13.96	
	For Tinted Glass, Add	16.75	
	For Low-E Insulated Glass, Add	34.90	
	For Obscure Glass, Add	38.38	
08 53 13 00-0386	EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	240.90	47.68
	For Colored Vinyl, Add	14.56	
	For Tinted Glass, Add	17.47	
	For Low-E Insulated Glass, Add	36.39	
	For Obscure Glass, Add	40.03	
08 53 13 00-0387	EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	248.02	49.64
	For Colored Vinyl, Add	14.95	
	For Tinted Glass, Add	17.94	
	For Low-E Insulated Glass, Add	37.38	
	For Obscure Glass, Add	41.12	
08 53 13 00-0388	EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	262.28	52.40
	For Colored Vinyl, Add	15.75	
	For Tinted Glass, Add	18.90	
	For Low-E Insulated Glass, Add	39.37	
	For Obscure Glass, Add	43.31	
08 53 13 00-0389	24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0390	EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	207.99	40.19
	For Colored Vinyl, Add	12.84	
	For Tinted Glass, Add	15.41	
	For Low-E Insulated Glass, Add	32.10	
	For Obscure Glass, Add	35.31	
08 53 13 00-0391	EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	229.92	44.92
	For Colored Vinyl, Add	14.09	
	For Tinted Glass, Add	16.90	
	For Low-E Insulated Glass, Add	35.22	
	For Obscure Glass, Add	38.74	
08 53 13 00-0392	EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	240.95	46.89
	For Colored Vinyl, Add	14.72	
	For Tinted Glass, Add	17.66	
	For Low-E Insulated Glass, Add	36.80	
	For Obscure Glass, Add	40.47	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	251.87		49.25
		<i>For Colored Vinyl, Add</i>	15.34		
		<i>For Tinted Glass, Add</i>	18.40		
		<i>For Low-E Insulated Glass, Add</i>	38.34		
		<i>For Obscure Glass, Add</i>	42.18		
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	259.17		51.22
		<i>For Colored Vinyl, Add</i>	15.75		
		<i>For Tinted Glass, Add</i>	18.90		
		<i>For Low-E Insulated Glass, Add</i>	39.38		
		<i>For Obscure Glass, Add</i>	43.32		
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	273.81		53.98
		<i>For Colored Vinyl, Add</i>	16.59		
		<i>For Tinted Glass, Add</i>	19.90		
		<i>For Low-E Insulated Glass, Add</i>	41.46		
		<i>For Obscure Glass, Add</i>	45.61		
08 53 13 00-0396		36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	237.76		44.92
		<i>For Colored Vinyl, Add</i>	14.87		
		<i>For Tinted Glass, Add</i>	17.85		
		<i>For Low-E Insulated Glass, Add</i>	37.18		
		<i>For Obscure Glass, Add</i>	40.90		
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	261.44		49.64
		<i>For Colored Vinyl, Add</i>	16.29		
		<i>For Tinted Glass, Add</i>	19.55		
		<i>For Low-E Insulated Glass, Add</i>	40.74		
		<i>For Obscure Glass, Add</i>	44.81		
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	273.31		51.61
		<i>For Colored Vinyl, Add</i>	17.01		
		<i>For Tinted Glass, Add</i>	20.41		
		<i>For Low-E Insulated Glass, Add</i>	42.52		
		<i>For Obscure Glass, Add</i>	46.77		
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	285.15		53.98
		<i>For Colored Vinyl, Add</i>	17.72		
		<i>For Tinted Glass, Add</i>	21.26		
		<i>For Low-E Insulated Glass, Add</i>	44.30		
		<i>For Obscure Glass, Add</i>	48.73		
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	293.06		55.16
		<i>For Colored Vinyl, Add</i>	18.20		
		<i>For Tinted Glass, Add</i>	21.83		
		<i>For Low-E Insulated Glass, Add</i>	45.49		
		<i>For Obscure Glass, Add</i>	50.04		
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	308.87		58.70
		<i>For Colored Vinyl, Add</i>	19.15		
		<i>For Tinted Glass, Add</i>	22.97		
		<i>For Low-E Insulated Glass, Add</i>	47.86		
		<i>For Obscure Glass, Add</i>	52.65		
08 53 13 00-0403		42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	252.64		47.28
		<i>For Colored Vinyl, Add</i>	15.89		
		<i>For Tinted Glass, Add</i>	19.06		
		<i>For Low-E Insulated Glass, Add</i>	39.72		
		<i>For Obscure Glass, Add</i>	43.69		
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	277.22		52.01
		<i>For Colored Vinyl, Add</i>	17.40		
		<i>For Tinted Glass, Add</i>	20.88		
		<i>For Low-E Insulated Glass, Add</i>	43.50		
		<i>For Obscure Glass, Add</i>	47.85		
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	289.53		53.98
		<i>For Colored Vinyl, Add</i>	18.16		
		<i>For Tinted Glass, Add</i>	21.79		
		<i>For Low-E Insulated Glass, Add</i>	45.39		
		<i>For Obscure Glass, Add</i>	49.93		
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	301.82		56.34
		<i>For Colored Vinyl, Add</i>	18.91		
		<i>For Tinted Glass, Add</i>	22.70		
		<i>For Low-E Insulated Glass, Add</i>	47.28		
		<i>For Obscure Glass, Add</i>	52.01		
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	309.99		58.31
		<i>For Colored Vinyl, Add</i>	19.42		
		<i>For Tinted Glass, Add</i>	23.30		
		<i>For Low-E Insulated Glass, Add</i>	48.54		
		<i>For Obscure Glass, Add</i>	53.39		
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	326.38		61.08
		<i>For Colored Vinyl, Add</i>	20.42		
		<i>For Tinted Glass, Add</i>	24.51		
		<i>For Low-E Insulated Glass, Add</i>	51.06		
		<i>For Obscure Glass, Add</i>	56.17		
08 53 13 00-0410		44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	257.61	48.07
		For Colored Vinyl, Add	16.23	
		For Tinted Glass, Add	19.47	
		For Low-E Insulated Glass, Add	40.57	
		For Obscure Glass, Add	44.62	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	282.48	52.80
		For Colored Vinyl, Add	17.77	
		For Tinted Glass, Add	21.32	
		For Low-E Insulated Glass, Add	44.42	
		For Obscure Glass, Add	48.86	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	294.92	54.76
		For Colored Vinyl, Add	18.54	
		For Tinted Glass, Add	22.25	
		For Low-E Insulated Glass, Add	46.35	
		For Obscure Glass, Add	50.98	
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	307.36	57.13
		For Colored Vinyl, Add	19.31	
		For Tinted Glass, Add	23.17	
		For Low-E Insulated Glass, Add	48.28	
		For Obscure Glass, Add	53.10	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	315.66	59.10
		For Colored Vinyl, Add	19.82	
		For Tinted Glass, Add	23.79	
		For Low-E Insulated Glass, Add	49.56	
		For Obscure Glass, Add	54.52	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	332.22	61.86
		For Colored Vinyl, Add	20.85	
		For Tinted Glass, Add	25.02	
		For Low-E Insulated Glass, Add	52.13	
		For Obscure Glass, Add	57.34	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	262.58	48.86
		For Colored Vinyl, Add	16.57	
		For Tinted Glass, Add	19.88	
		For Low-E Insulated Glass, Add	41.41	
		For Obscure Glass, Add	45.55	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	287.73	53.58
		For Colored Vinyl, Add	18.14	
		For Tinted Glass, Add	21.76	
		For Low-E Insulated Glass, Add	45.34	
		For Obscure Glass, Add	49.87	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	300.32	55.55
		For Colored Vinyl, Add	18.92	
		For Tinted Glass, Add	22.71	
		For Low-E Insulated Glass, Add	47.30	
		For Obscure Glass, Add	52.03	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	312.89	57.92
		For Colored Vinyl, Add	19.71	
		For Tinted Glass, Add	23.65	
		For Low-E Insulated Glass, Add	49.26	
		For Obscure Glass, Add	54.19	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	321.28	59.89
		For Colored Vinyl, Add	20.23	
		For Tinted Glass, Add	24.27	
		For Low-E Insulated Glass, Add	50.57	
		For Obscure Glass, Add	55.63	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	338.06	62.65
		For Colored Vinyl, Add	21.28	
		For Tinted Glass, Add	25.53	
		For Low-E Insulated Glass, Add	53.19	
		For Obscure Glass, Add	58.51	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	267.53	49.64
		For Colored Vinyl, Add	16.90	
		For Tinted Glass, Add	20.28	
		For Low-E Insulated Glass, Add	42.26	
		For Obscure Glass, Add	46.48	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	293.00	54.37
		For Colored Vinyl, Add	18.50	
		For Tinted Glass, Add	22.20	
		For Low-E Insulated Glass, Add	46.26	
		For Obscure Glass, Add	50.89	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	305.73	56.34
		For Colored Vinyl, Add	19.30	
		For Tinted Glass, Add	23.16	
		For Low-E Insulated Glass, Add	48.26	
		For Obscure Glass, Add	53.09	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	318.44	58.70
		For Colored Vinyl, Add	20.10	
		For Tinted Glass, Add	24.12	
		For Low-E Insulated Glass, Add	50.26	
		For Obscure Glass, Add	55.28	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	326.93		60.68
		For Colored Vinyl, Add	20.64		
		For Tinted Glass, Add	24.76		
		For Low-E Insulated Glass, Add	51.59		
		For Obscure Glass, Add	56.75		
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	343.91		63.44
		For Colored Vinyl, Add	21.70		
		For Tinted Glass, Add	26.04		
		For Low-E Insulated Glass, Add	54.26		
		For Obscure Glass, Add	59.69		
08 53 13 00-0431		50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	272.50		50.43
		For Colored Vinyl, Add	17.24		
		For Tinted Glass, Add	20.69		
		For Low-E Insulated Glass, Add	43.11		
		For Obscure Glass, Add	47.42		
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	298.24		55.16
		For Colored Vinyl, Add	18.87		
		For Tinted Glass, Add	22.64		
		For Low-E Insulated Glass, Add	47.18		
		For Obscure Glass, Add	51.89		
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	311.11		57.13
		For Colored Vinyl, Add	19.69		
		For Tinted Glass, Add	23.62		
		For Low-E Insulated Glass, Add	49.21		
		For Obscure Glass, Add	54.13		
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	323.98		59.50
		For Colored Vinyl, Add	20.50		
		For Tinted Glass, Add	24.60		
		For Low-E Insulated Glass, Add	51.25		
		For Obscure Glass, Add	56.37		
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	332.57		61.47
		For Colored Vinyl, Add	21.04		
		For Tinted Glass, Add	25.25		
		For Low-E Insulated Glass, Add	52.61		
		For Obscure Glass, Add	57.87		
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	349.74		64.23
		For Colored Vinyl, Add	22.13		
		For Tinted Glass, Add	26.56		
		For Low-E Insulated Glass, Add	55.33		
		For Obscure Glass, Add	60.86		
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	277.45		51.22
		For Colored Vinyl, Add	17.58		
		For Tinted Glass, Add	21.10		
		For Low-E Insulated Glass, Add	43.95		
		For Obscure Glass, Add	48.35		
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	303.50		55.95
		For Colored Vinyl, Add	19.24		
		For Tinted Glass, Add	23.09		
		For Low-E Insulated Glass, Add	48.10		
		For Obscure Glass, Add	52.91		
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	316.52		57.92
		For Colored Vinyl, Add	20.07		
		For Tinted Glass, Add	24.08		
		For Low-E Insulated Glass, Add	50.17		
		For Obscure Glass, Add	55.19		
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	329.55		60.29
		For Colored Vinyl, Add	20.90		
		For Tinted Glass, Add	25.08		
		For Low-E Insulated Glass, Add	52.25		
		For Obscure Glass, Add	57.47		
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	338.22		62.26
		For Colored Vinyl, Add	21.45		
		For Tinted Glass, Add	25.74		
		For Low-E Insulated Glass, Add	53.63		
		For Obscure Glass, Add	58.99		
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	355.59		65.01
		For Colored Vinyl, Add	22.56		
		For Tinted Glass, Add	27.07		
		For Low-E Insulated Glass, Add	56.39		
		For Obscure Glass, Add	62.03		
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>			
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	282.42		52.01
		For Colored Vinyl, Add	17.92		
		For Tinted Glass, Add	21.50		
		For Low-E Insulated Glass, Add	44.80		
		For Obscure Glass, Add	49.28		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	308.75	56.73
		For Colored Vinyl, Add	19.61	
		For Tinted Glass, Add	23.53	
		For Low-E Insulated Glass, Add	49.02	
		For Obscure Glass, Add	53.92	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	321.93	58.70
		For Colored Vinyl, Add	20.45	
		For Tinted Glass, Add	24.54	
		For Low-E Insulated Glass, Add	51.13	
		For Obscure Glass, Add	56.24	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	335.09	61.08
		For Colored Vinyl, Add	21.30	
		For Tinted Glass, Add	25.55	
		For Low-E Insulated Glass, Add	53.24	
		For Obscure Glass, Add	58.56	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	343.87	63.05
		For Colored Vinyl, Add	21.86	
		For Tinted Glass, Add	26.23	
		For Low-E Insulated Glass, Add	54.65	
		For Obscure Glass, Add	60.11	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	361.42	65.80
		For Colored Vinyl, Add	22.98	
		For Tinted Glass, Add	27.58	
		For Low-E Insulated Glass, Add	57.46	
		For Obscure Glass, Add	63.20	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.24	54.37
		For Colored Vinyl, Add	19.83	
		For Tinted Glass, Add	23.79	
		For Low-E Insulated Glass, Add	49.57	
		For Obscure Glass, Add	54.53	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	324.53	59.10
		For Colored Vinyl, Add	20.71	
		For Tinted Glass, Add	24.85	
		For Low-E Insulated Glass, Add	51.78	
		For Obscure Glass, Add	56.96	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	338.14	61.08
		For Colored Vinyl, Add	21.60	
		For Tinted Glass, Add	25.92	
		For Low-E Insulated Glass, Add	54.00	
		For Obscure Glass, Add	59.40	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	351.73	63.44
		For Colored Vinyl, Add	22.49	
		For Tinted Glass, Add	26.98	
		For Low-E Insulated Glass, Add	56.22	
		For Obscure Glass, Add	61.84	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.81	65.41
		For Colored Vinyl, Add	23.08	
		For Tinted Glass, Add	27.69	
		For Low-E Insulated Glass, Add	57.70	
		For Obscure Glass, Add	63.47	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	378.95	68.16
		For Colored Vinyl, Add	24.26	
		For Tinted Glass, Add	29.11	
		For Low-E Insulated Glass, Add	60.66	
		For Obscure Glass, Add	66.72	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) (08 53 13 00-0380)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	310.81	41.37
		For Colored Vinyl, Add	22.81	
		For Tinted Glass, Add	27.37	
		For Low-E Insulated Glass, Add	57.02	
		For Obscure Glass, Add	62.72	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	341.57	45.31
		For Colored Vinyl, Add	25.10	
		For Tinted Glass, Add	30.11	
		For Low-E Insulated Glass, Add	62.74	
		For Obscure Glass, Add	69.01	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	370.31	49.25
		For Colored Vinyl, Add	27.18	
		For Tinted Glass, Add	32.62	
		For Low-E Insulated Glass, Add	67.95	
		For Obscure Glass, Add	74.75	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	391.39	53.19
		For Colored Vinyl, Add	28.50	
		For Tinted Glass, Add	34.20	
		For Low-E Insulated Glass, Add	71.25	
		For Obscure Glass, Add	78.38	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	413.58	57.13
		For Colored Vinyl, Add	29.93	
		For Tinted Glass, Add	35.92	
		For Low-E Insulated Glass, Add	74.83	
		For Obscure Glass, Add	82.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	448.67	61.08
			For Colored Vinyl, Add	32.65	
			For Tinted Glass, Add	39.18	
			For Low-E Insulated Glass, Add	81.63	
			For Obscure Glass, Add	89.80	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	3.74	0.51
			For Colored Vinyl, Add	0.27	
			For Tinted Glass, Add	0.33	
			For Low-E Insulated Glass, Add	0.68	
			For Obscure Glass, Add	0.75	
08 53 13 00-0467			Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468			New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	183.99	31.52
			For Colored Vinyl, Add	12.09	
			For Tinted Glass, Add	14.51	
			For Low-E Insulated Glass, Add	30.24	
			For Obscure Glass, Add	33.26	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	198.10	31.52
			For Colored Vinyl, Add	13.51	
			For Tinted Glass, Add	16.21	
			For Low-E Insulated Glass, Add	33.76	
			For Obscure Glass, Add	37.14	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	206.16	31.52
			For Colored Vinyl, Add	14.31	
			For Tinted Glass, Add	17.17	
			For Low-E Insulated Glass, Add	35.78	
			For Obscure Glass, Add	39.36	
08 53 13 00-0472			Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	232.80	30.73
			For Colored Vinyl, Add	17.13	
			For Tinted Glass, Add	20.56	
			For Low-E Insulated Glass, Add	42.83	
			For Obscure Glass, Add	47.12	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window.....	259.38	35.47
			For Colored Vinyl, Add	18.85	
			For Tinted Glass, Add	22.62	
			For Low-E Insulated Glass, Add	47.12	
			For Obscure Glass, Add	51.83	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window	4.45	0.51
			For Colored Vinyl, Add	0.34	
			For Tinted Glass, Add	0.41	
			For Low-E Insulated Glass, Add	0.86	
			For Obscure Glass, Add	0.94	
08 53 13 00-0476			Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477			Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	28.22	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	36.28	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	46.73	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	55.16	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	67.80	
08 53 13 00-0484			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	64.13	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	76.96	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	97.12	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	120.94	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	144.76	
08 53 66			Vinyl Window Screens (08 53)		
08 53 66 00-0001			Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows	32.58	7.13
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows	43.58	7.13
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows	47.24	7.13
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows	54.57	7.13
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows	71.06	7.13

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows.....	78.39	7.13
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows.....	89.39	7.13
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows.....	96.72	7.13
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows.....	2.92	0.14

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows** (08 56)**08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame** (08 56 19)

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,158.16	494.52
		<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
		<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,471.75	535.72
		<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
		<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,654.18	576.94
		<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
		<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,565.54	659.36
		<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
		<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	6,183.33	989.04
		<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
		<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	

08 56 49 Radiation Shielding Windows (08 56)**08 56 49 00-0001 Lead Lined Window Frames** (08 56 49)

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	35.78	5.91
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	40.42	5.91

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen** (08 56 56 00-0001)

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	19.02	3.71
		<i>For Painted Steel, Add</i>	1.41	
		<i>For Galvanized Steel, Add</i>	2.81	
		<i>For Aluminum, Add</i>	5.63	
		<i>For Stainless Steel, Add</i>	24.62	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	19.42	3.71
		<i>For Painted Steel, Add</i>	1.45	
		<i>For Galvanized Steel, Add</i>	2.89	
		<i>For Aluminum, Add</i>	5.79	
		<i>For Stainless Steel, Add</i>	25.32	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	21.28	3.71
		<i>For Painted Steel, Add</i>	1.63	
		<i>For Galvanized Steel, Add</i>	3.27	
		<i>For Aluminum, Add</i>	6.53	
		<i>For Stainless Steel, Add</i>	28.58	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	25.25	3.71
		<i>For Painted Steel, Add</i>	2.03	
		<i>For Galvanized Steel, Add</i>	4.06	
		<i>For Aluminum, Add</i>	8.12	
		<i>For Stainless Steel, Add</i>	35.53	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	26.63	4.53
		<i>For Painted Steel, Add</i>	2.00	
		<i>For Galvanized Steel, Add</i>	4.01	
		<i>For Aluminum, Add</i>	8.02	
		<i>For Stainless Steel, Add</i>	35.07	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	27.25	4.53
		<i>For Painted Steel, Add</i>	2.07	
		<i>For Galvanized Steel, Add</i>	4.13	
		<i>For Aluminum, Add</i>	8.26	
		<i>For Stainless Steel, Add</i>	36.16	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	29.91	4.53
		<i>For Painted Steel, Add</i>	2.33	
		<i>For Galvanized Steel, Add</i>	4.66	
		<i>For Aluminum, Add</i>	9.33	
		<i>For Stainless Steel, Add</i>	40.81	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	35.48	4.53
		<i>For Painted Steel, Add</i>	2.89	
		<i>For Galvanized Steel, Add</i>	5.78	
		<i>For Aluminum, Add</i>	11.56	
		<i>For Stainless Steel, Add</i>	50.56	

08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)

Note: Wire cloth has from 10 to 12 strands per 1".

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)					
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen (08 56 56 00-0012)	12.51	2.47
			For Painted Steel, Add	0.42	
			For Galvanized Steel, Add	1.26	
			For Aluminum, Add	2.52	
			For Stainless Steel, Add	10.49	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen (08 56 56 00-0012)	13.08	2.47
			For Painted Steel, Add	0.45	
			For Galvanized Steel, Add	1.34	
			For Aluminum, Add	2.69	
			For Stainless Steel, Add	11.20	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen (08 56 56 00-0012)	13.96	2.47
			For Painted Steel, Add	0.49	
			For Galvanized Steel, Add	1.48	
			For Aluminum, Add	2.95	
			For Stainless Steel, Add	12.30	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen (08 56 56 00-0012)	15.66	2.47
			For Painted Steel, Add	0.58	
			For Galvanized Steel, Add	1.73	
			For Aluminum, Add	3.46	
			For Stainless Steel, Add	14.43	
08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)					
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen (08 56 56 00-0012)	16.91	3.29
			For Painted Steel, Add	0.60	
			For Galvanized Steel, Add	1.79	
			For Aluminum, Add	3.59	
			For Stainless Steel, Add	14.95	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen (08 56 56 00-0012)	17.78	3.29
			For Painted Steel, Add	0.64	
			For Galvanized Steel, Add	1.92	
			For Aluminum, Add	3.85	
			For Stainless Steel, Add	16.04	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen (08 56 56 00-0012)	18.99	3.29
			For Painted Steel, Add	0.70	
			For Galvanized Steel, Add	2.11	
			For Aluminum, Add	4.21	
			For Stainless Steel, Add	17.55	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen (08 56 56 00-0012)	21.41	3.29
			For Painted Steel, Add	0.82	
			For Galvanized Steel, Add	2.47	
			For Aluminum, Add	4.94	
			For Stainless Steel, Add	20.58	
08 56 56 00-0023 Expanded Metal Security Screen (08 56 56)					
Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.					
08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)					
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	23.80	6.18
			For Painted Steel, Add	0.82	
			For Galvanized Steel, Add	2.46	
			For Aluminum, Add	4.91	
			For Stainless Steel, Add	20.48	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	27.79	7.42
			For Painted Steel, Add	0.94	
			For Galvanized Steel, Add	2.81	
			For Aluminum, Add	5.62	
			For Stainless Steel, Add	23.40	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	31.12	9.07
			For Painted Steel, Add	1.02	
			For Galvanized Steel, Add	3.06	
			For Aluminum, Add	6.12	
			For Stainless Steel, Add	25.51	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	36.51	10.71
			For Painted Steel, Add	1.17	
			For Galvanized Steel, Add	3.50	
			For Aluminum, Add	7.00	
			For Stainless Steel, Add	29.15	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	33.98	10.30
			For Painted Steel, Add	1.08	
			For Galvanized Steel, Add	3.24	
			For Aluminum, Add	6.49	
			For Stainless Steel, Add	27.03	
08 56 56 00-0030	SF		3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0023)	42.85	13.19
			For Painted Steel, Add	1.36	
			For Galvanized Steel, Add	4.08	
			For Aluminum, Add	8.16	
			For Stainless Steel, Add	33.99	
08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)					
08 56 56 00-0032	SF		1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen (08 56 56 00-0023)	24.75	7.42
			For Painted Steel, Add	0.78	
			For Galvanized Steel, Add	2.35	
			For Aluminum, Add	4.70	
			For Stainless Steel, Add	19.60	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	37.42	9.07
		<i>For Painted Steel, Add</i>	1.34	
		<i>For Galvanized Steel, Add</i>	4.01	
		<i>For Aluminum, Add</i>	8.01	
		<i>For Stainless Steel, Add</i>	33.39	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	41.49	10.30
		<i>For Painted Steel, Add</i>	1.46	
		<i>For Galvanized Steel, Add</i>	4.37	
		<i>For Aluminum, Add</i>	8.74	
		<i>For Stainless Steel, Add</i>	36.41	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	44.83	11.54
		<i>For Painted Steel, Add</i>	1.54	
		<i>For Galvanized Steel, Add</i>	4.62	
		<i>For Aluminum, Add</i>	9.25	
		<i>For Stainless Steel, Add</i>	38.53	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	48.89	13.19
		<i>For Painted Steel, Add</i>	1.66	
		<i>For Galvanized Steel, Add</i>	4.98	
		<i>For Aluminum, Add</i>	9.97	
		<i>For Stainless Steel, Add</i>	41.54	
08 56 56 00-0037	SF	3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	56.04	14.42
		<i>For Painted Steel, Add</i>	1.94	
		<i>For Galvanized Steel, Add</i>	5.81	
		<i>For Aluminum, Add</i>	11.62	
		<i>For Stainless Steel, Add</i>	48.41	
08 56 56 00-0038		Perforated Metal Security Screen <small>(08 56 56)</small>		
08 56 56 00-0039		Perforated Metal, Inoperable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	21.25	3.71
		<i>For Painted Steel, Add</i>	0.82	
		<i>For Galvanized Steel, Add</i>	2.45	
		<i>For Aluminum, Add</i>	4.89	
		<i>For Stainless Steel, Add</i>	16.30	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	21.89	3.71
		<i>For Painted Steel, Add</i>	0.85	
		<i>For Galvanized Steel, Add</i>	2.54	
		<i>For Aluminum, Add</i>	5.08	
		<i>For Stainless Steel, Add</i>	16.94	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	24.07	3.71
		<i>For Painted Steel, Add</i>	0.96	
		<i>For Galvanized Steel, Add</i>	2.87	
		<i>For Aluminum, Add</i>	5.74	
		<i>For Stainless Steel, Add</i>	19.12	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	28.19	3.71
		<i>For Painted Steel, Add</i>	1.16	
		<i>For Galvanized Steel, Add</i>	3.49	
		<i>For Aluminum, Add</i>	6.97	
		<i>For Stainless Steel, Add</i>	23.24	
08 56 56 00-0044		Perforated Metal, Operable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	29.75	4.53
		<i>For Painted Steel, Add</i>	1.16	
		<i>For Galvanized Steel, Add</i>	3.47	
		<i>For Aluminum, Add</i>	6.95	
		<i>For Stainless Steel, Add</i>	23.16	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	30.88	4.53
		<i>For Painted Steel, Add</i>	1.21	
		<i>For Galvanized Steel, Add</i>	3.64	
		<i>For Aluminum, Add</i>	7.29	
		<i>For Stainless Steel, Add</i>	24.29	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	33.70	4.53
		<i>For Painted Steel, Add</i>	1.36	
		<i>For Galvanized Steel, Add</i>	4.07	
		<i>For Aluminum, Add</i>	8.13	
		<i>For Stainless Steel, Add</i>	27.11	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	39.59	4.53
		<i>For Painted Steel, Add</i>	1.65	
		<i>For Galvanized Steel, Add</i>	4.95	
		<i>For Aluminum, Add</i>	9.90	
		<i>For Stainless Steel, Add</i>	33.00	
08 56 56 00-0049		Removal And Reinstallation Of Security Screens And Guards <small>(08 56 56)</small>		
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	10.36	
08 56 56 00-0051	SF	Remove And Reinstall Exterior Security Window Guards.....	7.82	
		See CSI section 01 22 23 00-0001 for lifting equipment, 05 05 19 00-0001 for anchors.		

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)**08 62 23 Tubular Skylights** (08 62)

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

08 62 23 00-0001	Aluminum Framed Solar Tube Skylights <small>(08 62 23)</small> Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002	31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0003	EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	896.19	128.92
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	707.09	
08 62 23 00-0004	EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	947.08	132.14
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	707.74	
08 62 23 00-0005	EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	996.47	135.36
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	708.38	
08 62 23 00-0006	EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,066.61	138.59
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	709.03	
08 62 23 00-0007	EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,127.86	141.81
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	709.67	
08 62 23 00-0008	EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,177.25	145.03
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	710.32	
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,226.65	148.26
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	710.96	
08 62 23 00-0010	EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,308.63	151.48
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	711.61	
08 62 23 00-0011	EA 10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,358.03	154.70
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	712.25	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,408.91	157.93
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	712.90	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,458.30	161.16
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	713.54	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,540.28	164.37
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	714.18	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,589.69	167.60
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	714.83	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,639.08	170.82
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	715.47	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,688.48	174.04
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	716.12	
08 62 23 00-0018		31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,096.14	128.92
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	707.09	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,166.28	132.14
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	707.74	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,236.41	135.36
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	708.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,306.54	138.59
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	709.03	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,421.11	141.81
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	709.67	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,491.24	145.03
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	710.32	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,561.38	148.26
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	710.96	
08 62 23 00-0026	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,675.94	151.48
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	711.61	
08 62 23 00-0027	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,746.08	154.70
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	712.25	
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,816.21	157.93
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	712.90	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,886.34	161.16
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	713.54	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,000.90	164.37
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	714.18	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,071.05	167.60
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	714.83	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0032	EA 15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,141.18	170.82
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	715.47	
08 62 23 00-0033	EA 16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,211.30	174.04
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	716.12	
08 62 23 00-0034	55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA 2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,473.47	145.03
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	710.32	
08 62 23 00-0036	EA 3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,571.75	148.26
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	710.96	
08 62 23 00-0037	EA 4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,671.50	151.48
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	711.61	
08 62 23 00-0038	EA 5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,769.77	154.70
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	712.25	
08 62 23 00-0039	EA 6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,927.30	157.93
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	712.90	
08 62 23 00-0040	EA 7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,025.56	161.16
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	713.54	
08 62 23 00-0041	EA 8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,123.83	164.37
	<i>For Class 3 Hail Rated, Add</i>	10.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
	<i>For FM Approved, Add</i>	36.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
	<i>For Single Blade Louver, Add</i>	714.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,282.85	167.60
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	714.83	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,381.11	170.82
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	715.47	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,479.38	174.04
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	716.12	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,577.66	177.27
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	716.76	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,735.18	180.49
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	717.41	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,833.45	183.71
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	718.05	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,933.21	186.94
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	718.70	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,031.48	190.16
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	719.34	

08 63 Metal-Framed Skylights (08 60)

08 63 13 Domed Metal-Framed Skylights (08 63)

- 08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)
- 08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)
- 08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)
- 08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	307.92	64.46
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08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	358.86	64.46
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	495.76	72.52
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	561.37	80.58
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	385.05	64.46
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	476.84	72.52
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	508.85	72.52
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	587.56	80.58
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	688.08	88.63
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	482.66	72.52
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	533.72	80.58
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	594.84	80.58
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	654.61	88.63
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	726.02	96.69
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	819.27	104.75
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	577.38	80.58
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	635.69	88.63
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	727.48	96.69
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	765.31	96.69
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	887.67	104.75

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	380.69	64.46
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	430.17	64.46
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	552.51	72.52
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	619.58	80.58
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	437.44	64.46
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	517.59	72.52
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	552.51	72.52
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	637.04	80.58
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	717.19	88.63
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	523.41	72.52
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	580.29	80.58
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	619.58	80.58
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	682.26	88.63
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	740.57	96.69
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	835.28	104.75
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	625.40	80.58
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	688.08	88.63
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	758.04	96.69
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	798.78	96.69
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	909.50	104.75

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

08 63 13 00-0046		High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.				
08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	386.51	64.46
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	441.81	64.46
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	568.52	72.52
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	452.00	64.46
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	537.96	72.52
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	568.52	72.52
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	654.51	80.58
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	536.51	72.52
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	591.93	80.58
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	638.50	80.58
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	701.18	88.63
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	763.86	96.69
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	642.86	80.58
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	711.37	88.63
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	781.32	96.69
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	822.07	96.69

08 63 13 00-0063		FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.				
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	396.70	64.46
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	457.82	64.46
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	583.08	72.52
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	671.97	80.58
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	466.55	64.46
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	551.06	72.52
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	583.08	72.52
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	676.34	80.58
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	552.51	72.52
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	607.94	80.58
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	658.87	80.58
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	723.01	88.63
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	787.14	96.69
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	664.69	80.58
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	733.19	88.63
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	804.61	96.69
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	848.26	96.69

08 63 13 00-0081		Curb Top Inserts <small>(08 63 13 00-0003)</small>		
Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.				
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		

08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	117.78	32.23
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	168.79	36.26
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	292.20	48.34

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	270.81		44.31
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	333.67		48.34
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>			
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	178.50		32.23
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	285.80		36.26
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	503.99		48.34
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	495.93		44.31
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	626.92		48.34
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>			
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	237.75		32.23
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	396.88		36.26
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	764.67		48.34
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	706.25		44.31
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	899.45		48.34
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>			
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>			
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.					
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	281.73		64.46
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	344.30		64.46
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	441.91		72.52
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	561.37		80.58
08 63 13 00-0106		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>			
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.					
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	395.24		64.46
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	460.73		64.46
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	548.15		72.52
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	658.87		80.58
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>			
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>			
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.					
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	335.57		64.46
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	452.10		72.52
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	538.08		80.58
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	421.54		72.52
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	452.10		72.52
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	555.55		80.58
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	657.52		88.63
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	494.42		80.58
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	538.08		80.58
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	602.22		88.63
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	661.99		96.69
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	787.25		104.75
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	619.68		88.63
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	705.65		96.69
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	750.76		96.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	871.66	104.75
08 63 13 00-0129			Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	385.05	64.46
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	437.44	64.46
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	559.79	72.52
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	447.63	64.46
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	501.58	72.52
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	529.23	72.52
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	559.79	72.52
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	647.23	80.58
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	530.68	72.52
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	586.11	80.58
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	629.77	80.58
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	690.99	88.63
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	752.22	96.69
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	632.68	80.58
08 63 13 00-0144	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	701.18	88.63
08 63 13 00-0145	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	769.68	96.69
08 63 13 00-0146	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	808.97	96.69
08 63 13 00-0147			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	433.08	64.46
08 63 13 00-0149	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	578.71	72.52
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	545.24	72.52
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	578.71	72.52
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	670.52	80.58
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	603.57	80.58
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	651.60	80.58
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	717.19	88.63
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	775.50	96.69
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	727.37	88.63
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	798.78	96.69
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	840.99	96.69
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small> Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163			10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,893.17	96.69

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		1,760.74	96.69
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		1,990.68	96.69
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>			
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,473.84	96.69
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,347.22	96.69
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,606.27	96.69
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>			
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,641.19	96.69
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,511.67	96.69
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,770.72	96.69
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>			
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		1,901.90	96.69
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		1,769.47	96.69
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,003.77	96.69
08 63 13 00-0180		25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,485.48	96.69
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,355.96	96.69
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,620.82	96.69
08 63 13 00-0184		30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,649.93	96.69
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,520.40	96.69
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight		2,785.27	96.69
08 66 Wood-Framed Skylights <small>(08 60)</small>					
08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) <small>(08 66)</small>			
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)		511.23	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		78.56	
		<i>For Aluminum Shingle Flashing, Add</i>		62.85	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)		524.06	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		81.77	
		<i>For Aluminum Shingle Flashing, Add</i>		65.41	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)		493.60	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		74.15	
		<i>For Aluminum Shingle Flashing, Add</i>		59.32	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)		533.68	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		84.17	
		<i>For Aluminum Shingle Flashing, Add</i>		67.34	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)		567.34	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		92.59	
		<i>For Aluminum Shingle Flashing, Add</i>		74.07	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)		621.85	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		106.21	
		<i>For Aluminum Shingle Flashing, Add</i>		84.97	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)		690.79	98.50
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>		123.45	
		<i>For Aluminum Shingle Flashing, Add</i>		98.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0009	EA		27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	493.60 74.15 59.32	98.50
08 66 00 00-0010	EA		28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	575.36 94.59 75.67	98.50
08 66 00 00-0011	EA		28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	621.85 106.21 84.97	98.50
08 66 00 00-0012	EA		28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	674.76 119.44 95.55	98.50
08 66 00 00-0013	EA		28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	745.30 137.08 109.66	98.50
08 66 00 00-0014	EA		38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	511.23 78.56 62.85	98.50
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	533.68 84.17 67.34	98.50
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	575.36 94.59 75.67	98.50
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	722.86 131.47 105.17	98.50
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	524.06 81.77 65.41	98.50
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	567.34 92.59 74.07	98.50
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	621.85 106.21 84.97	98.50
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	722.86 131.47 105.17	98.50
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	621.85 106.21 84.97	98.50
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	674.76 119.44 95.55	98.50
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	690.79 123.45 98.76	98.50
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)..... For Tempered Laminated Low-E Insulated Glass, Add For Aluminum Shingle Flashing, Add	745.30 137.08 109.66	98.50

08 70 Hardware (08)

08 71 Door Hardware (08 70)

08 71 11 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	PR		Hinges <small>(08 71 11)</small> Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.	68.10	5.51
08 71 11 00-0002	PR		Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0001)</small> Note: US26D (BHMA 626) satin chrome finish.	74.86	7.88
08 71 11 00-0003	PR		Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.	81.28	8.66
08 71 11 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	68.10 5.45 6.00	5.51
08 71 11 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	74.86 6.07 6.00	7.88
08 71 11 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	81.28 5.08 6.00	8.66
08 71 11 00-0007	PR		Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.	79.70	5.51
08 71 11 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	79.70 6.99 6.00	5.51

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	89.36 6.99 6.00	7.88
08 71 11 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	89.18 6.18 6.00	8.66
08 71 11 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	104.19 7.23 6.00	10.24
08 71 11 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	104.97 7.34 6.00	10.24
08 71 11 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	113.96 8.60 6.00	13.16
08 71 11 00-0014			Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	91.73	5.51
08 71 11 00-0016	PR		4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	101.39	7.88
08 71 11 00-0017	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	102.27	8.66
08 71 11 00-0018	PR		5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	118.63	10.24
08 71 11 00-0019			Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR		4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	115.44	8.66
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	9.86 6.00	
08 71 11 00-0021	PR		5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	130.68	10.24
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	10.94 6.00	
08 71 11 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	147.22	10.24
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	13.26 6.00	
08 71 11 00-0023			Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	118.72	8.66
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	10.32 6.00	
08 71 11 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	139.99	10.24
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	12.24 6.00	
08 71 11 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	114.76	8.66
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	9.76 6.00	
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	132.48	13.16
			<i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	11.19 6.00	
08 71 11 00-0029			Mortised, Wrought Steel Hinges (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0030			Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0029) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0031	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	38.83	5.51
			<i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	-1.82 1.14 -1.09 5.00 1.36 6.00	
08 71 11 00-0032	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	49.43	7.88
			<i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	-2.01 1.25 -1.20 5.52 1.50 6.00	
08 71 11 00-0033	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	57.26	8.66
			<i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	-2.45 1.53 -1.47 6.73 1.83 6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0034			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0029)</small>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0035	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	62.88	5.51
			For Primed For Paint Finish, Deduct	-6.63	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.14	
			For Satin Brass Plated Clear Coated Finish, Deduct	-3.98	
			For Stainless Steel, Add	18.23	
			For Heavy Duty, Add	4.97	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0036	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	76.93	7.88
			For Primed For Paint Finish, Deduct	-7.51	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	4.69	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.50	
			For Stainless Steel, Add	20.64	
			For Heavy Duty, Add	5.63	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	95.03	8.66
			For Primed For Paint Finish, Deduct	-10.00	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.25	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.00	
			For Stainless Steel, Add	27.50	
			For Heavy Duty, Add	7.50	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	107.40	10.24
			For Primed For Paint Finish, Deduct	-10.97	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.86	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.58	
			For Stainless Steel, Add	30.18	
			For Heavy Duty, Add	8.23	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	115.14	10.24
			For Primed For Paint Finish, Deduct	-12.52	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.83	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.51	
			For Stainless Steel, Add	34.44	
			For Heavy Duty, Add	9.39	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	138.75	10.24
			For Primed For Paint Finish, Deduct	-17.24	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	10.78	
			For Satin Brass Plated Clear Coated Finish, Deduct	-10.35	
			For Stainless Steel, Add	47.42	
			For Heavy Duty, Add	12.93	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041			Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 11 00-0029)</small>		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0042	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	76.77	5.51
			For Primed For Paint Finish, Deduct	-9.41	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.88	
			For Satin Brass Plated Clear Coated Finish, Deduct	-5.64	
			For Stainless Steel, Add	25.87	
			For Heavy Duty, Add	7.05	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0043	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	92.70	7.88
			For Primed For Paint Finish, Deduct	-10.66	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	6.66	
			For Satin Brass Plated Clear Coated Finish, Deduct	-6.40	
			For Stainless Steel, Add	29.32	
			For Heavy Duty, Add	8.00	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0044	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	104.60	8.66
			For Primed For Paint Finish, Deduct	-11.91	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	7.45	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.15	
			For Stainless Steel, Add	32.76	
			For Heavy Duty, Add	8.94	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0045	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	118.37	10.24
			For Primed For Paint Finish, Deduct	-13.17	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.23	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.90	
			For Stainless Steel, Add	36.21	
			For Heavy Duty, Add	9.88	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0046			Half Surface, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0029)</small>		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0047	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	106.81	8.66
			For Primed For Paint Finish, Deduct	-13.48	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.43	
			For Satin Brass Plated Clear Coated Finish, Deduct	-8.09	
			For Stainless Steel, Add	37.08	
			For Heavy Duty, Add	10.11	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-0048	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	119.62	8.66
	<i>For Primed For Paint Finish, Deduct</i>	-14.92	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.32	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.95	
	<i>For Stainless Steel, Add</i>	41.02	
	<i>For Heavy Duty, Add</i>	11.19	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	138.75	10.24
	<i>For Primed For Paint Finish, Deduct</i>	-17.24	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.78	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.35	
	<i>For Stainless Steel, Add</i>	47.42	
	<i>For Heavy Duty, Add</i>	12.93	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0050	Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0029)		
	Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0051	PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	96.65	8.66
	<i>For Primed For Paint Finish, Deduct</i>	-10.32	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.45	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.19	
	<i>For Stainless Steel, Add</i>	28.39	
	<i>For Heavy Duty, Add</i>	7.74	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0052	Blank Butt Hinges (08 71 11 00-0029)		
08 71 11 00-0053	PR 3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge.....	20.66	3.54
	<i>For Primed For Paint Finish, Deduct</i>	-1.31	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	0.82	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-0.79	
	<i>For Stainless Steel, Add</i>	3.61	
	<i>For Heavy Duty, Add</i>	0.99	
	<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0054	Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0029)		
	Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0055	PR 3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	79.05	5.51
	<i>For Primed For Paint Finish, Deduct</i>	-9.86	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.16	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.92	
	<i>For Stainless Steel, Add</i>	27.12	
08 71 11 00-0056	PR 4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	103.90	7.88
	<i>For Primed For Paint Finish, Deduct</i>	-12.90	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.06	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.74	
	<i>For Stainless Steel, Add</i>	35.48	
08 71 11 00-0057	PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	139.90	8.66
	<i>For Primed For Paint Finish, Deduct</i>	-18.97	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	11.86	
	<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-11.38	
	<i>For Stainless Steel, Add</i>	52.18	
08 71 11 00-0058	Offset And Pivot Hinges (08 71 11 00-0001)		
	Note: Satin chrome plated, US26D.		
08 71 11 00-0059	Offset Swing Clear Hinges (08 71 11 00-0058)		
	Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0060	EA 4-1/2", Swing Clear, Offset Hinges.....	142.98	2.45
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	25.30	
	<i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	40.74	
08 71 11 00-0061	Offset Pivot Hinges (08 71 11 00-0058)		
08 71 11 00-0062	3/4" Offset Pivot Hinges (08 71 11 00-0061)		
08 71 11 00-0063	3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064	Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065	200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066	EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	102.62	7.88
08 71 11 00-0067	EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	138.16	7.88
08 71 11 00-0068	EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.91	7.88
08 71 11 00-0069	EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.91	7.88
08 71 11 00-0070	EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.91	7.88
08 71 11 00-0071	EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.91	7.88
08 71 11 00-0072	EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.91	7.88
08 71 11 00-0073	EA Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	112.89	7.88
08 71 11 00-0074	EA Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	143.70	7.88
08 71 11 00-0075	EA Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	164.23	7.88
08 71 11 00-0076	EA Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	164.23	7.88
08 71 11 00-0077	EA Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	164.23	7.88
08 71 11 00-0078	EA Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	164.23	7.88
08 71 11 00-0079	EA Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	164.23	7.88
08 71 11 00-0080	EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	102.62	7.88

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0081	EA			Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	138.16	7.88
08 71 11 00-0082	EA			Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.91	7.88
08 71 11 00-0083	EA			Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.91	7.88
08 71 11 00-0084	EA			Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.91	7.88
08 71 11 00-0085	EA			Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.91	7.88
08 71 11 00-0086	EA			Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.91	7.88

08 71 11 00-0087 500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)

08 71 11 00-0088	EA			Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	106.56	9.85
08 71 11 00-0089	EA			Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	142.10	9.85
08 71 11 00-0090	EA			Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.85	9.85
08 71 11 00-0091	EA			Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.85	9.85
08 71 11 00-0092	EA			Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.85	9.85
08 71 11 00-0093	EA			Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.85	9.85
08 71 11 00-0094	EA			Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	161.85	9.85

08 71 11 00-0095 600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)

08 71 11 00-0096	EA			Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	106.56	9.85
08 71 11 00-0097	EA			Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.10	9.85
08 71 11 00-0098	EA			Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.85	9.85
08 71 11 00-0099	EA			Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.85	9.85
08 71 11 00-0100	EA			Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.85	9.85
08 71 11 00-0101	EA			Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.85	9.85
08 71 11 00-0102	EA			Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	161.85	9.85

08 71 11 00-0103 700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)

08 71 11 00-0104	EA			Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	106.56	9.85
08 71 11 00-0105	EA			Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.10	9.85
08 71 11 00-0106	EA			Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.85	9.85
08 71 11 00-0107	EA			Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.85	9.85
08 71 11 00-0108	EA			Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.85	9.85
08 71 11 00-0109	EA			Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.85	9.85
08 71 11 00-0110	EA			Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	161.85	9.85

08 71 11 00-0111 Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)

08 71 11 00-0112 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)

08 71 11 00-0113	EA			Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	127.89	7.88
08 71 11 00-0114	EA			Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	157.91	7.88
08 71 11 00-0115	EA			Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.23	7.88
08 71 11 00-0116	EA			Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.23	7.88
08 71 11 00-0117	EA			Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.23	7.88
08 71 11 00-0118	EA			Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.23	7.88
08 71 11 00-0119	EA			Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	179.23	7.88

08 71 11 00-0120 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)

08 71 11 00-0121	EA			Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	142.10	9.85
08 71 11 00-0122	EA			Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	151.58	9.85
08 71 11 00-0123	EA			Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	168.17	9.85
08 71 11 00-0124	EA			Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	168.17	9.85
08 71 11 00-0125	EA			Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	168.17	9.85
08 71 11 00-0126	EA			Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	168.17	9.85
08 71 11 00-0127	EA			Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	168.17	9.85

08 71 11 00-0128 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)

08 71 11 00-0129	EA			Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	142.10	9.85
08 71 11 00-0130	EA			Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	151.58	9.85
08 71 11 00-0131	EA			Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	168.17	9.85
08 71 11 00-0132	EA			Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	168.17	9.85
08 71 11 00-0133	EA			Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	168.17	9.85
08 71 11 00-0134	EA			Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	168.17	9.85
08 71 11 00-0135	EA			Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	168.17	9.85

08 71 11 00-0136 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)

08 71 11 00-0137	EA			Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	142.10	9.85
08 71 11 00-0138	EA			Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	151.58	9.85
08 71 11 00-0139	EA			Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	168.17	9.85
08 71 11 00-0140	EA			Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	168.17	9.85
08 71 11 00-0141	EA			Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	168.17	9.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0142	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	168.17		9.85
08 71 11 00-0143	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	168.17		9.85
08 71 11 00-0144		Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)			
08 71 11 00-0145		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)			
08 71 11 00-0146	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	112.89		7.88
08 71 11 00-0147	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	143.70		7.88
08 71 11 00-0148	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	164.23		7.88
08 71 11 00-0149	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	164.23		7.88
08 71 11 00-0150	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	164.23		7.88
08 71 11 00-0151	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	164.23		7.88
08 71 11 00-0152	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	164.23		7.88
08 71 11 00-0153	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	112.89		7.88
08 71 11 00-0154	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	143.70		7.88
08 71 11 00-0155	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	164.23		7.88
08 71 11 00-0156	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	164.23		7.88
08 71 11 00-0157	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	164.23		7.88
08 71 11 00-0158	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	164.23		7.88
08 71 11 00-0159	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	164.23		7.88
08 71 11 00-0160	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	97.89		7.88
08 71 11 00-0161	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	133.43		7.88
08 71 11 00-0162	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.96		7.88
08 71 11 00-0163	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.96		7.88
08 71 11 00-0164	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.96		7.88
08 71 11 00-0165	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.96		7.88
08 71 11 00-0166	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	153.96		7.88
08 71 11 00-0167		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)			
08 71 11 00-0168	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	172.12		9.85
08 71 11 00-0169	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	183.17		9.85
08 71 11 00-0170	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	183.17		9.85
08 71 11 00-0171	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	183.17		9.85
08 71 11 00-0172	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	183.17		9.85
08 71 11 00-0173	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	183.17		9.85
08 71 11 00-0174	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	186.33		9.85
08 71 11 00-0175		600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)			
08 71 11 00-0176	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	147.64		9.85
08 71 11 00-0177	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	161.85		9.85
08 71 11 00-0178	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	172.12		9.85
08 71 11 00-0179	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	172.12		9.85
08 71 11 00-0180	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	172.12		9.85
08 71 11 00-0181	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	172.12		9.85
08 71 11 00-0182	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	172.12		9.85
08 71 11 00-0183		700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)			
08 71 11 00-0184	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	340.32		9.85
08 71 11 00-0185	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	365.59		9.85
08 71 11 00-0186	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	405.88		9.85
08 71 11 00-0187	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	405.88		9.85
08 71 11 00-0188	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	405.88		9.85
08 71 11 00-0189	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	405.88		9.85
08 71 11 00-0190	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	405.88		9.85
08 71 11 00-0191		Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0062)			
08 71 11 00-0192		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0191)			
08 71 11 00-0193		500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)			
08 71 11 00-0194	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	202.14		9.85
08 71 11 00-0195	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	239.23		9.85
08 71 11 00-0196	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	269.25		9.85
08 71 11 00-0197	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	269.25		9.85
08 71 11 00-0198	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	269.25		9.85
08 71 11 00-0199		600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)			
08 71 11 00-0200	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	202.14		9.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0201	EA		Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	239.23	9.85
08 71 11 00-0202	EA		Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	269.25	9.85
08 71 11 00-0203	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	269.25	9.85
08 71 11 00-0204	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	269.25	9.85
08 71 11 00-0205			700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0206	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	202.14	9.85
08 71 11 00-0207	EA		Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	239.23	9.85
08 71 11 00-0208	EA		Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	269.25	9.85
08 71 11 00-0209	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	269.25	9.85
08 71 11 00-0210	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	269.25	9.85
08 71 11 00-0211			1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0212	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	212.38	11.82
08 71 11 00-0213	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	243.17	11.82
08 71 11 00-0214	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	257.40	11.82
08 71 11 00-0215	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	257.40	11.82
08 71 11 00-0216	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	257.40	11.82
08 71 11 00-0217			1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0218	EA		Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	212.38	11.82
08 71 11 00-0219	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	243.17	11.82
08 71 11 00-0220	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	257.40	11.82
08 71 11 00-0221	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	257.40	11.82
08 71 11 00-0222	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	257.40	11.82
08 71 11 00-0223			Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0191)</small>		
08 71 11 00-0224			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0225	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	208.44	9.85
08 71 11 00-0226	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	243.19	9.85
08 71 11 00-0227	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	253.46	9.85
08 71 11 00-0228	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	253.46	9.85
08 71 11 00-0229	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	253.46	9.85
08 71 11 00-0230			600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0231	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	208.44	9.85
08 71 11 00-0232	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	243.19	9.85
08 71 11 00-0233	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	253.46	9.85
08 71 11 00-0234	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	253.46	9.85
08 71 11 00-0235	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	253.46	9.85
08 71 11 00-0236			700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0237	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	208.44	9.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0238	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	243.19	9.85
08 71 11 00-0239	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	253.46	9.85
08 71 11 00-0240	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	253.46	9.85
08 71 11 00-0241	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	253.46	9.85
08 71 11 00-0242			1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0243	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	232.92	11.82
08 71 11 00-0244	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	268.45	11.82
08 71 11 00-0245	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	277.92	11.82
08 71 11 00-0246	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	277.92	11.82
08 71 11 00-0247	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	277.92	11.82
08 71 11 00-0248			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0249	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	232.92	11.82
08 71 11 00-0250	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	268.45	11.82
08 71 11 00-0251	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	277.92	11.82
08 71 11 00-0252	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	277.92	11.82
08 71 11 00-0253	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	277.92	11.82
08 71 11 00-0254			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0191)</small>		
08 71 11 00-0255			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0256	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	232.93	9.85
08 71 11 00-0257	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	289.00	9.85
08 71 11 00-0258	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	310.32	9.85
08 71 11 00-0259	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	310.32	9.85
08 71 11 00-0260	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	310.32	9.85
08 71 11 00-0261			600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0262	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	228.98	9.85
08 71 11 00-0263	EA		Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	243.19	9.85
08 71 11 00-0264	EA		Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	279.52	9.85
08 71 11 00-0265	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	279.52	9.85
08 71 11 00-0266	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	279.52	9.85
08 71 11 00-0267			1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0268	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	262.92	11.82
08 71 11 00-0269	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	292.94	11.82
08 71 11 00-0270	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	303.99	11.82
08 71 11 00-0271	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	303.99	11.82
08 71 11 00-0272	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	303.99	11.82
08 71 11 00-0273			1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0274	EA		Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	374.28	11.82
08 71 11 00-0275	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	399.55	11.82
08 71 11 00-0276	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	409.82	11.82
08 71 11 00-0277	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	409.82	11.82
08 71 11 00-0278	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	409.82	11.82
08 71 11 00-0279			1-1/2" Offset Pivot Hinges (08 71 11 00-0061)		
08 71 11 00-0280			Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0279)		
08 71 11 00-0281			Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0282			400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0283	EA		Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	239.23	9.85
08 71 11 00-0284	EA		Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	258.98	9.85
08 71 11 00-0285	EA		Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	273.98	9.85
08 71 11 00-0286	EA		Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	273.98	9.85
08 71 11 00-0287	EA		Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	273.98	9.85
08 71 11 00-0288			500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0289	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	239.23	9.85
08 71 11 00-0290	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	258.98	9.85
08 71 11 00-0291	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	273.98	9.85
08 71 11 00-0292	EA		Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	273.98	9.85
08 71 11 00-0293	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	273.98	9.85
08 71 11 00-0294			Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0295			400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0294)		
08 71 11 00-0296	EA		Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	248.71	9.85
08 71 11 00-0297	EA		Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	279.52	9.85
08 71 11 00-0298	EA		Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	294.52	9.85
08 71 11 00-0299	EA		Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	294.52	9.85
08 71 11 00-0300	EA		Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	294.52	9.85
08 71 11 00-0301			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0294)		
08 71 11 00-0302	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	248.71	9.85
08 71 11 00-0303	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	279.52	9.85
08 71 11 00-0304	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	294.52	9.85
08 71 11 00-0305	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	294.52	9.85
08 71 11 00-0306	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	294.52	9.85
08 71 11 00-0307			Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0308			400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0307)		
08 71 11 00-0309	EA		Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	243.19	9.85
08 71 11 00-0310	EA		Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	279.52	9.85
08 71 11 00-0311	EA		Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	294.52	9.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0312	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	294.52		9.85
08 71 11 00-0313	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	294.52		9.85
08 71 11 00-0314		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0307)			
08 71 11 00-0315	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	395.61		9.85
08 71 11 00-0316	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	436.67		9.85
08 71 11 00-0317	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	446.94		9.85
08 71 11 00-0318	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	446.94		9.85
08 71 11 00-0319	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	446.94		9.85
08 71 11 00-0320		Center Hung Pivot Hinges (08 71 11 00-0058)			
08 71 11 00-0321		Top Mount, Center Hung Pivot Hinges (08 71 11 00-0320)			
08 71 11 00-0322		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0323	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	123.16		7.88
08 71 11 00-0324	EA	Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0325	EA	Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0326	EA	Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0327	EA	Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0328	EA	Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0329	EA	Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	133.43		7.88
08 71 11 00-0330		500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0331	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	127.10		9.85
08 71 11 00-0332	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0333	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0334	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0335	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0336	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0337	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	137.37		9.85
08 71 11 00-0338		600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0339	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	127.10		9.85
08 71 11 00-0340	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0341	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0342	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0343	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0344	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0345	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	137.37		9.85
08 71 11 00-0346		1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0347	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	202.11		11.82
08 71 11 00-0348	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	236.87		11.82
08 71 11 00-0349	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	273.19		11.82
08 71 11 00-0350	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	273.19		11.82
08 71 11 00-0351	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	273.19		11.82
08 71 11 00-0352	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	273.19		11.82
08 71 11 00-0353	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	273.19		11.82
08 71 11 00-0354		Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0320)			
08 71 11 00-0355		300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)			
08 71 11 00-0356	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	93.14		7.88
08 71 11 00-0357	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.16		7.88
08 71 11 00-0358	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.16		7.88
08 71 11 00-0359	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.16		7.88
08 71 11 00-0360	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.16		7.88
08 71 11 00-0361	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.16		7.88
08 71 11 00-0362	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	123.16		7.88
08 71 11 00-0363		500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0354)			
08 71 11 00-0364	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	137.37		9.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0365	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0366	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0367	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0368	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0369	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0370	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	142.10	9.85
08 71 11 00-0371	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	137.37	9.85
08 71 11 00-0372	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0373	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0374	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0375	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0376	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0377	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	142.10	9.85
08 71 11 00-0378			600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)		
08 71 11 00-0379	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	279.52	9.85
08 71 11 00-0380	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	294.52	9.85
08 71 11 00-0381	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	310.32	9.85
08 71 11 00-0382	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	310.32	9.85
08 71 11 00-0383	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	310.32	9.85
08 71 11 00-0384	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	310.32	9.85
08 71 11 00-0385	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	310.32	9.85
08 71 11 00-0386			1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)		
08 71 11 00-0387	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	516.43	11.82
08 71 11 00-0388	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	531.43	11.82
08 71 11 00-0389	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	551.97	11.82
08 71 11 00-0390	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	551.97	11.82
08 71 11 00-0391	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	551.97	11.82
08 71 11 00-0392	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	551.97	11.82
08 71 11 00-0393	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	551.97	11.82
08 71 11 00-0394			Continuous Barrel-Type Hinge (08 71 11 00-0001)		
08 71 11 00-0395	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	19.73	3.15
			<i>For Stainless Steel, Add</i>	3.92	
			<i>For Brass Or Nickel, Add</i>	4.27	
			<i>For Aluminum, Add</i>	1.40	
			<i>For Medium Gauge, Deduct</i>	-1.42	
08 71 11 00-0396	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	20.21	3.15
			<i>For Stainless Steel, Add</i>	4.18	
			<i>For Brass Or Nickel, Add</i>	4.56	
			<i>For Aluminum, Add</i>	1.49	
			<i>For Medium Gauge, Deduct</i>	-1.52	
08 71 11 00-0397	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	21.16	3.15
			<i>For Stainless Steel, Add</i>	4.70	
			<i>For Brass Or Nickel, Add</i>	5.13	
			<i>For Aluminum, Add</i>	1.68	
			<i>For Medium Gauge, Deduct</i>	-1.71	
08 71 11 00-0398	LF		3" Wide, Steel, Continuous Barrel-Type Hinge.....	22.23	3.15
			<i>For Stainless Steel, Add</i>	5.29	
			<i>For Brass Or Nickel, Add</i>	5.77	
			<i>For Aluminum, Add</i>	1.89	
			<i>For Medium Gauge, Deduct</i>	-1.92	
08 71 11 00-0399			Continuous Geared Hinges (08 71 11 00-0001)		
08 71 11 00-0400	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	42.10	3.15
			<i>For Bronze Finish, Add</i>	11.06	
			<i>For Heavy Duty, Add</i>	7.88	
08 71 11 00-0401	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	45.55	3.15
			<i>For Bronze Finish, Add</i>	12.35	
			<i>For Heavy Duty, Add</i>	8.80	
08 71 11 00-0402	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	28.28	3.15
			<i>For Bronze Finish, Add</i>	5.88	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD) <i>For Bronze Finish, Add</i>	33.28 7.75	3.15
08 71 11 00-0404			Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)		
08 71 11 00-0405	PR	2"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	99.41 17.24	5.51
08 71 11 00-0406	PR	3"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	107.33 17.25	7.09
08 71 11 00-0407	PR	4"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	119.12 18.19	8.66
08 71 11 00-0408	PR	5"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	156.06 25.16	10.24
08 71 11 00-0409	PR	6"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	174.57 27.71	11.82
08 71 11 00-0410	PR	7"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	210.01 34.33	13.40
08 71 11 00-0411	PR	8"	Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	285.23 50.49	37.44
08 71 11 00-0412			Security Hinges (08 71 11 00-0001)		
08 71 11 00-0413	EA	4-1/2" x 4-1/2"	Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	34.06	5.51
08 71 11 00-0414			Concealed Circuit Electric Hinge Option (08 71 11 00-0001) Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0415	EA	4 Wire	Concealed Circuit Electric Hinge Option.....	211.34	
08 71 11 00-0416	EA	6 Wire	Concealed Circuit Electric Hinge Option.....	249.52	
08 71 11 00-0417	EA	8 Wire	Concealed Circuit Electric Hinge Option.....	287.70	
08 71 11 00-0418			Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0419	PR		Hinge Filler Plates For Door Frames.....	14.80	3.94
08 71 11 00-0420			Door Trim (08 71 11)		
08 71 11 00-0421			Floor Stops, Wall Stops And Bumpers (08 71 11 00-0420)		
08 71 11 00-0422			Floor Stops (08 71 11 00-0421)		
08 71 11 00-0423			Aluminum Floor Stops (08 71 11 00-0422)		
08 71 11 00-0424	EA	1-5/16"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	21.71	9.85
08 71 11 00-0425	EA	1"	Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	23.70	9.85
08 71 11 00-0426	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	24.46	9.85
08 71 11 00-0427	EA	2-1/8"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	36.04	9.85
08 71 11 00-0428	EA	3"	Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	37.42	9.85
08 71 11 00-0429			Brass Floor Stops (08 71 11 00-0422)		
08 71 11 00-0430	EA	1"	Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	23.98	9.85
08 71 11 00-0431	EA	1"	Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	24.74	9.85
08 71 11 00-0432	EA	1"	Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	24.74	9.85
08 71 11 00-0433	EA	1"	Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	25.04	9.85
08 71 11 00-0434	EA	1"	Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	25.43	9.85
08 71 11 00-0435	EA	1"	Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	25.43	9.85
08 71 11 00-0436	EA	1"	Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	25.43	9.85
08 71 11 00-0437	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	24.46	9.85
08 71 11 00-0438	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	25.61	9.85
08 71 11 00-0439	EA	1-3/8"	Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	25.61	9.85
08 71 11 00-0440	EA	1-3/8"	Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	26.06	9.85
08 71 11 00-0441	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	26.45	9.85
08 71 11 00-0442	EA	1-3/8"	Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	26.45	9.85
08 71 11 00-0443	EA	1-3/8"	Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	28.27	9.85
08 71 11 00-0444	EA	1"	Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	25.69	9.85
08 71 11 00-0445	EA	1"	Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	25.69	9.85
08 71 11 00-0446	EA	1"	Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	26.95	9.85
08 71 11 00-0447	EA	1"	Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	26.95	9.85
08 71 11 00-0448	EA	1"	Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	26.95	9.85
08 71 11 00-0449	EA	1"	Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	26.95	9.85
08 71 11 00-0450	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	26.56	9.85
08 71 11 00-0451	EA	1-11/32"	Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	26.56	9.85
08 71 11 00-0452	EA	1-11/32"	Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	27.79	9.85
08 71 11 00-0453	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	27.79	9.85
08 71 11 00-0454	EA	1-11/32"	Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	27.79	9.85
08 71 11 00-0455	EA	1-11/32"	Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	27.79	9.85
08 71 11 00-0456	EA	2-1/8"	Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	37.16	9.85
08 71 11 00-0457	EA	2-1/8"	Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	37.70	9.85
08 71 11 00-0458	EA	2-1/8"	Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	39.03	9.85
08 71 11 00-0459	EA	2-1/8"	Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	40.10	9.85
08 71 11 00-0460	EA	2-1/8"	Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	40.10	9.85
08 71 11 00-0461	EA	2-1/8"	Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	44.47	9.85
08 71 11 00-0462	EA	2-1/8"	Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	44.47	9.85
08 71 11 00-0463	EA	3"	Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	42.85	9.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0464	EA		3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	43.63	9.85
08 71 11 00-0465	EA		3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	43.63	9.85
08 71 11 00-0466	EA		3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	43.63	9.85
08 71 11 00-0467	EA		3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	43.63	9.85
08 71 11 00-0468	EA		3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	49.62	9.85
08 71 11 00-0469	EA		3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	49.62	9.85
08 71 11 00-0470	EA		1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	30.64	9.85
08 71 11 00-0471	EA		1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	31.64	9.85
08 71 11 00-0472	EA		1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	33.89	9.85
08 71 11 00-0473	EA		1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	33.89	9.85
08 71 11 00-0474	EA		1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	33.89	9.85
08 71 11 00-0475	EA		1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	34.56	9.85
08 71 11 00-0476			Steel Floor Stops <small>(08 71 11 00-0422)</small>		
08 71 11 00-0477	EA		2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	26.75	9.85
08 71 11 00-0478	EA		1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	63.82	9.85
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0479	EA		3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	66.97	9.85
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0480			Wall Stops <small>(08 71 11 00-0421)</small>		
08 71 11 00-0481			Aluminum Wall Stops <small>(08 71 11 00-0480)</small>		
08 71 11 00-0482	EA		3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	10.63	3.94
08 71 11 00-0483	EA		3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	15.55	5.91
08 71 11 00-0484			Brass Wall Stops <small>(08 71 11 00-0480)</small>		
08 71 11 00-0485	EA		3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	17.42	3.94
08 71 11 00-0486	EA		3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	17.42	3.94
08 71 11 00-0487	EA		3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	17.42	3.94
08 71 11 00-0488	EA		3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	20.38	3.94
08 71 11 00-0489	EA		3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	20.66	3.94
08 71 11 00-0490	EA		3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	20.66	3.94
08 71 11 00-0491	EA		3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	20.66	3.94
08 71 11 00-0492	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	47.08	5.91
08 71 11 00-0493	EA		3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	48.12	5.91
08 71 11 00-0494	EA		3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	48.12	5.91
08 71 11 00-0495	EA		3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	48.12	5.91
08 71 11 00-0496	EA		3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	48.12	5.91
08 71 11 00-0497	EA		3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	48.12	5.91
08 71 11 00-0498	EA		3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	39.74	5.91
08 71 11 00-0499	EA		3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	45.37	5.91
08 71 11 00-0500	EA		3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	45.37	5.91
08 71 11 00-0501	EA		3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	45.37	5.91
08 71 11 00-0502	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	45.37	5.91
08 71 11 00-0503	EA		3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	46.71	5.91
08 71 11 00-0504	EA		3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	46.71	5.91
08 71 11 00-0505	EA		3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	74.53	5.91
08 71 11 00-0506			Steel Wall Stops <small>(08 71 11 00-0480)</small>		
08 71 11 00-0507	EA		3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	8.46	3.94
08 71 11 00-0508			Hinge Pin Door Stops <small>(08 71 11 00-0421)</small>		
08 71 11 00-0509			Aluminum Hinge Pin Door Stops <small>(08 71 11 00-0508)</small>		
08 71 11 00-0510	EA		Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	17.47	7.88
08 71 11 00-0511			Brass Hinge Pin Door Stops <small>(08 71 11 00-0508)</small>		
08 71 11 00-0512	EA		Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	17.80	7.88
08 71 11 00-0513	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	19.85	7.88
08 71 11 00-0514	EA		Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	24.80	7.88
08 71 11 00-0515	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	24.80	7.88
08 71 11 00-0516	EA		Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	24.80	7.88
08 71 11 00-0517	EA		Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	27.12	7.88
08 71 11 00-0518	EA		Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	27.12	7.88
08 71 11 00-0519	EA		Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	27.12	7.88
08 71 11 00-0520	EA		Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	27.12	7.88
08 71 11 00-0521			Wall Bumpers <small>(08 71 11 00-0421)</small>		
08 71 11 00-0522			Brass Wall Bumpers <small>(08 71 11 00-0521)</small>		
08 71 11 00-0523	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.94	9.85
08 71 11 00-0524	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.94	9.85
08 71 11 00-0525	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	22.94	9.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	23.22		9.85
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	23.22		9.85
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	23.22		9.85
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	23.22		9.85
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	32.74		9.85
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.32		9.85
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.32		9.85
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.32		9.85
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.32		9.85
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.32		9.85
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	35.90		9.85
08 71 11 00-0537		Rubber Wall Bumpers (08 71 11 00-0521)			
08 71 11 00-0538	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	21.91		9.85
08 71 11 00-0539		Holders (08 71 11 00-0420)			
08 71 11 00-0540		Plunger Type Door Holders (08 71 11 00-0539)			
08 71 11 00-0541		Aluminum Plunger Type Door Holders (08 71 11 00-0540)			
08 71 11 00-0542	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	49.65		5.91
08 71 11 00-0543		Brass Plunger Type Door Holders (08 71 11 00-0540)			
08 71 11 00-0544	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0545	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0546	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0547	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0548	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0549	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0550	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	80.06		5.91
08 71 11 00-0551		Kick Down Door Holders (08 71 11 00-0539)			
08 71 11 00-0552		Aluminum Kick Down Door Holders (08 71 11 00-0551)			
08 71 11 00-0553	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	18.00		5.91
08 71 11 00-0554		Brass Kick Down Door Holders (08 71 11 00-0551)			
08 71 11 00-0555	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	36.90		5.91
08 71 11 00-0556	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	36.90		5.91
08 71 11 00-0557	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	36.90		5.91
08 71 11 00-0558	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	41.84		5.91
08 71 11 00-0559	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	41.84		5.91
08 71 11 00-0560	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	41.84		5.91
08 71 11 00-0561	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	43.08		5.91
08 71 11 00-0562		Steel Kick Down Door Holders (08 71 11 00-0551)			
08 71 11 00-0563	EA	Steel Kick Down Door Holder (Ives FS544)	21.81		5.91
08 71 11 00-0564		Floor Mounted Door Holders (08 71 11 00-0539)			
08 71 11 00-0565		Brass Floor Mounted Door Holders (08 71 11 00-0564)			
08 71 11 00-0566	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	72.33		11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	72.33		11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	88.72		11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78		
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53		
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	88.72	11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	88.72	11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	88.72	11.82
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	

08 71 11 00-0572 Wall Mounted Door Holders (08 71 11 00-0539)

08 71 11 00-0573 Aluminum Wall Mounted Door Holders (08 71 11 00-0572)

08 71 11 00-0574	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	63.06	6.90
08 71 11 00-0575	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	93.03	11.82

08 71 11 00-0576 Brass Wall Mounted Door Holders (08 71 11 00-0572)

08 71 11 00-0577	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	58.09	6.90
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	66.98	6.90
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	66.98	6.90
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	66.98	6.90
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	66.98	6.90
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	66.98	6.90
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	69.06	6.90
08 71 11 00-0584	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	65.53	6.90
08 71 11 00-0585	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.65	6.90
08 71 11 00-0586	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.65	6.90
08 71 11 00-0587	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.65	6.90
08 71 11 00-0588	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.65	6.90
08 71 11 00-0589	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	77.65	6.90
08 71 11 00-0590	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	105.12	11.82
08 71 11 00-0591	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	110.56	11.82
08 71 11 00-0592	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	110.56	11.82
08 71 11 00-0593	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	110.56	11.82
08 71 11 00-0594	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	110.56	11.82
08 71 11 00-0595	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	110.56	11.82

08 71 11 00-0596 Overhead Door Holders (08 71 11 00-0539)

08 71 11 00-0597 Surface Mounted, Overhead Door Holders (08 71 11 00-0596)

08 71 11 00-0598	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	327.15	19.70
		For Hold Open, Add	35.84	
08 71 11 00-0599	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	372.90	19.70
		For Hold Open, Add	42.44	
08 71 11 00-0600	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	372.90	19.70
		For Hold Open, Add	42.44	
08 71 11 00-0601	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	372.90	19.70
		For Hold Open, Add	42.44	
08 71 11 00-0602	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	371.35	19.70
		For Hold Open, Add	42.21	
08 71 11 00-0603	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Stop (ABH 8021).....	235.97	19.70

08 71 11 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0596)

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	258.06	19.70
08 71 11 00-0606	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	367.30	19.70
08 71 11 00-0607	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	414.92	19.70
08 71 11 00-0608	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	414.92	19.70
08 71 11 00-0609	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	414.92	19.70

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders (08 71 11 00-0596)

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	355.79	19.70
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	355.79	19.70
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	374.46	19.70
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	390.33	19.70
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	390.33	19.70

08 71 11 00-0616 Bolts (08 71 11 00-0420)

08 71 11 00-0617 Brass Surface Bolts (08 71 11 00-0616)

08 71 11 00-0618	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	105.97	9.85
08 71 11 00-0619	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	113.16	9.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0620	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	113.16	9.85
08 71 11 00-0621		Steel Surface Bolts (08 71 11 00-0616)		
08 71 11 00-0622	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	50.26	9.85
08 71 11 00-0623	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	50.26	9.85
08 71 11 00-0624	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	50.26	9.85
08 71 11 00-0625	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	56.55	9.85
08 71 11 00-0626	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	57.45	9.85
08 71 11 00-0627	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	59.24	9.85
08 71 11 00-0628	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	58.34	9.85
08 71 11 00-0629	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	61.05	9.85
08 71 11 00-0630	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	64.64	9.85
08 71 11 00-0631	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	67.33	9.85
08 71 11 00-0632	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	103.28	9.85
08 71 11 00-0633		Door Viewer (08 71 11 00-0420)		
08 71 11 00-0634		Brass Door Viewer (08 71 11 00-0633)		
08 71 11 00-0635	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	28.27	9.85
08 71 11 00-0636	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	28.27	9.85
08 71 11 00-0637	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	28.27	9.85
08 71 11 00-0638	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	32.29	9.85
08 71 11 00-0639	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	32.29	9.85
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	32.29	9.85
08 71 11 00-0641	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	37.24	9.85
08 71 11 00-0642	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	37.24	9.85
08 71 11 00-0643		Door Knockers (08 71 11 00-0420)		
08 71 11 00-0644		Brass Door Knockers (08 71 11 00-0643)		
08 71 11 00-0645	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	40.66	9.85
08 71 11 00-0646	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	44.47	9.85
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	44.47	9.85
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	44.47	9.85
08 71 11 00-0649	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	58.94	9.85
08 71 11 00-0650	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	68.14	9.85
08 71 11 00-0651		Hasps (08 71 11 00-0420)		
08 71 11 00-0652	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	20.07	7.43
08 71 11 00-0653	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	21.38	7.88
08 71 11 00-0654	EA	6", Zinc Plated Finish, Steel Hasp Assembly.....	26.85	8.87
08 71 11 00-0655	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	100.33	10.63
08 71 11 00-0656		Flush Bolts (08 71 11 00-0420)		
08 71 11 00-0657		Flush Bolts For Metal Doors (08 71 11 00-0656)		
08 71 11 00-0658		Brass Flush Bolts For Metal Doors (08 71 11 00-0657)		
08 71 11 00-0659		Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0658) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0660	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	39.48	9.85
08 71 11 00-0661		Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0659) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0662	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	91.41	9.85
08 71 11 00-0663	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	91.41	9.85
08 71 11 00-0664	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	167.40	15.76
08 71 11 00-0665	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	163.46	13.79
08 71 11 00-0666	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	169.93	14.77
08 71 11 00-0667		Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0658) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0668	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	90.61	9.85
08 71 11 00-0669	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	167.40	15.76
08 71 11 00-0670	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	163.46	13.79
08 71 11 00-0671	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	169.93	14.77
08 71 11 00-0672		Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0657)		
08 71 11 00-0673		Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0672) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0674	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T).....	91.41	9.85
08 71 11 00-0675	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	91.41	9.85
08 71 11 00-0676	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	167.40	15.76
08 71 11 00-0677	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32).....	163.46	13.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0678	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	169.93	14.77
08 71 11 00-0679			Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0672) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0680	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	90.61	9.85
08 71 11 00-0681	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	167.40	15.76
08 71 11 00-0682	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	163.46	13.79
08 71 11 00-0683	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	169.93	14.77
08 71 11 00-0684			Flush Bolts For Wood Doors (08 71 11 00-0656)		
08 71 11 00-0685			Brass Flush Bolts For Wood Doors (08 71 11 00-0684)		
08 71 11 00-0686			Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0687	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	46.20	9.85
08 71 11 00-0688			Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0689	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	94.91	9.85
08 71 11 00-0690	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B).....	94.91	9.85
08 71 11 00-0691	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	174.95	15.76
08 71 11 00-0692	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	171.01	13.79
08 71 11 00-0693			Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0694	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	94.21	9.85
08 71 11 00-0695	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	174.95	15.76
08 71 11 00-0696	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	171.01	13.79
08 71 11 00-0697			Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0684)		
08 71 11 00-0698			Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0697) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0699	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	94.91	9.85
08 71 11 00-0700	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	94.91	9.85
08 71 11 00-0701	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	174.95	15.76
08 71 11 00-0702	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	171.01	13.79
08 71 11 00-0703			Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0697) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0704	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	94.21	9.85
08 71 11 00-0705	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	174.95	15.76
08 71 11 00-0706	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	171.01	13.79
08 71 11 00-0707			Dust Proof Strikes (08 71 11 00-0656)		
08 71 11 00-0708	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	34.99	7.88
08 71 11 00-0709	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	34.99	7.88
08 71 11 00-0710	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	34.99	7.88
08 71 11 00-0711	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	34.99	7.88
08 71 11 00-0712	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	34.99	7.88
08 71 11 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	40.02	7.88
08 71 11 00-0714	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	40.02	7.88
08 71 11 00-0715	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	40.02	7.88
08 71 11 00-0716	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	40.02	7.88
08 71 11 00-0717	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	40.02	7.88
08 71 11 00-0718			Roller Bumpers (08 71 11 00-0420)		
08 71 11 00-0719			Brass Roller Bumpers (08 71 11 00-0718)		
08 71 11 00-0720	EA		5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	35.94	5.91
08 71 11 00-0721	EA		5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	41.95	5.91
08 71 11 00-0722	EA		5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	41.95	5.91
08 71 11 00-0723	EA		4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	34.59	5.91
08 71 11 00-0724	EA		4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.16	5.91
08 71 11 00-0725	EA		4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.16	5.91
08 71 11 00-0726	EA		4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	39.16	5.91
08 71 11 00-0727	EA		6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	36.03	5.91
08 71 11 00-0728	EA		6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	39.27	5.91
08 71 11 00-0729	EA		6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.79	5.91
08 71 11 00-0730	EA		6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.79	5.91
08 71 11 00-0731	EA		6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.79	5.91
08 71 11 00-0732	EA		6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	40.79	5.91
08 71 11 00-0733	EA		6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	40.79	5.91

08 Openings**08 70 Hardware****08 71 Door Hardware**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0734			Other Door Trim (08 71 11 00-0420)		
08 71 11 00-0735			Coat And Hat Hooks (08 71 11 00-0734)		
08 71 11 00-0736			Aluminum Coat And Hat Hooks (08 71 11 00-0735)		
08 71 11 00-0737	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	13.55	5.91
08 71 11 00-0738	EA		1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	13.55	5.91
08 71 11 00-0739	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	13.66	5.91
08 71 11 00-0740	EA		1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	13.47	5.91
08 71 11 00-0741	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	13.47	5.91
08 71 11 00-0742	EA		1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	13.47	5.91
08 71 11 00-0743	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	13.66	5.91
08 71 11 00-0744	EA		1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	14.22	5.91
08 71 11 00-0745	EA		1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	14.22	5.91
08 71 11 00-0746	EA		1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	14.22	5.91
08 71 11 00-0747	EA		1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	14.22	5.91
08 71 11 00-0748	EA		1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	14.22	5.91
08 71 11 00-0749			Brass Coat And Hat Hooks (08 71 11 00-0735)		
08 71 11 00-0750	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	16.60	5.91
08 71 11 00-0751	EA		1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	16.89	5.91
08 71 11 00-0752	EA		1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	17.36	5.91
08 71 11 00-0753	EA		1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	17.36	5.91
08 71 11 00-0754	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	17.66	5.91
08 71 11 00-0755	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	18.61	5.91
08 71 11 00-0756	EA		1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	19.94	5.91
08 71 11 00-0757	EA		1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	19.94	5.91
08 71 11 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	19.94	5.91
08 71 11 00-0759	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	20.24	5.91
08 71 11 00-0760			Door Plates And Pulls (08 71 11)		
08 71 11 00-0761			Kick Plate (08 71 11 00-0760) Note: Ives 8400.		
08 71 11 00-0762			Aluminum Base Material Kick Plate (08 71 11 00-0761)		
08 71 11 00-0763			Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0762)		
08 71 11 00-0764	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	38.50	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0765	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	39.87	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0766	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	41.21	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0767	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	42.56	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0768	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.51	6.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0769	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	46.83	6.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0770	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.20	6.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0771	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	49.54	6.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0772	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.47	6.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0773	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.82	6.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0774	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.16	6.70
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0775	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.11	7.09
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0776	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.46	7.09
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0777	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.80	7.09
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0778	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	42.24	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0779	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	43.93	5.91
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0780	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	45.60 1.76 11.40	5.91
08 71 11 00-0781	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	47.29 1.76 11.40	5.91
08 71 11 00-0782	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	50.57 1.76 11.40	6.30
08 71 11 00-0783	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	52.25 1.76 11.40	6.30
08 71 11 00-0784	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	53.95 1.76 11.40	6.30
08 71 11 00-0785	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	55.63 1.76 11.40	6.30
08 71 11 00-0786	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	58.89 1.76 11.40	6.70
08 71 11 00-0787	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	60.57 1.76 11.40	6.70
08 71 11 00-0788	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	62.27 1.76 11.40	6.70
08 71 11 00-0789	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.55 1.76 11.40	7.09
08 71 11 00-0790	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.21 1.76 11.40	7.09
08 71 11 00-0791	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.91 1.76 11.40	7.09
08 71 11 00-0792	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	45.95 1.76 11.40	5.91
08 71 11 00-0793	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	47.96 1.76 11.40	5.91
08 71 11 00-0794	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	50.02 1.76 11.40	5.91
08 71 11 00-0795	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	52.01 1.76 11.40	5.91
08 71 11 00-0796	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	55.63 1.76 11.40	6.30
08 71 11 00-0797	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	57.65 1.76 11.40	6.30
08 71 11 00-0798	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	59.67 1.76 11.40	6.30
08 71 11 00-0799	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.71 1.76 11.40	6.30
08 71 11 00-0800	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.30 1.76 11.40	6.70
08 71 11 00-0801	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.33 1.76 11.40	6.70
08 71 11 00-0802	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	69.36 1.76 11.40	6.70
08 71 11 00-0803	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	72.97 1.76 11.40	7.09
08 71 11 00-0804	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	74.99 1.76 11.40	7.09
08 71 11 00-0805	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.03 1.76 11.40	7.09
08 71 11 00-0806	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	51.22 1.76 11.40	6.30
08 71 11 00-0807	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	53.59 1.76 11.40	6.30
08 71 11 00-0808	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	55.98 1.76 11.40	6.30
08 71 11 00-0809	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	58.35 1.76 11.40	6.30

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 71 11 00-0810	EA 14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.27	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0811	EA 14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.63	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0812	EA 14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.00	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0813	EA 14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.36	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0814	EA 14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.31	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0815	EA 14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.66	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0816	EA 14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.03	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0817	EA 14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.96	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0818	EA 14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.34	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0819	EA 14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.71	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0820	EA 16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.96	6.30
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0821	EA 16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.65	6.30
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0822	EA 16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.37	6.30
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0823	EA 16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.06	6.30
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0824	EA 16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.63	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0825	EA 16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.05	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0826	EA 16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.76	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0827	EA 16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.45	6.70
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0828	EA 16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.72	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0829	EA 16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.44	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0830	EA 16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.14	7.09
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0831	EA 16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.40	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0832	EA 16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.11	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0833	EA 16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.83	7.48
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0834	EA 18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.81	6.30
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0835	EA 18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	64.04	6.30
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0836	EA 18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.28	6.30
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0837	EA 18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	70.52	6.30
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0838	EA 18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.31	6.70
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0839	EA 18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.55	6.70
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0840	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.78 6.30 11.40	6.70
08 71 11 00-0841	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.02 6.30 11.40	6.70
08 71 11 00-0842	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.84 6.30 11.40	7.09
08 71 11 00-0843	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.07 6.30 11.40	7.09
08 71 11 00-0844	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.31 6.30 11.40	7.09
08 71 11 00-0845	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.12 6.30 11.40	7.48
08 71 11 00-0846	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.35 6.30 11.40	7.48
08 71 11 00-0847	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.59 6.30 11.40	7.48
08 71 11 00-0848	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.33 6.30 11.40	6.70
08 71 11 00-0849	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.93 6.30 11.40	6.70
08 71 11 00-0850	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.52 6.30 11.40	6.70
08 71 11 00-0851	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.11 6.30 11.40	6.70
08 71 11 00-0852	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.29 6.30 11.40	7.09
08 71 11 00-0853	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.88 6.30 11.40	7.09
08 71 11 00-0854	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.48 6.30 11.40	7.09
08 71 11 00-0855	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.07 6.30 11.40	7.09
08 71 11 00-0856	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.24 6.30 11.40	7.48
08 71 11 00-0857	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.83 6.30 11.40	7.48
08 71 11 00-0858	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.43 6.30 11.40	7.48
08 71 11 00-0859	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.60 6.30 11.40	7.88
08 71 11 00-0860	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.20 6.30 11.40	7.88
08 71 11 00-0861	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.79 6.30 11.40	7.88
08 71 11 00-0862	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.28 6.30 11.40	6.70
08 71 11 00-0863	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.24 6.30 11.40	6.70
08 71 11 00-0864	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.19 6.30 11.40	6.70
08 71 11 00-0865	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.14 6.30 11.40	6.70
08 71 11 00-0866	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.69 6.30 11.40	7.09
08 71 11 00-0867	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.64 6.30 11.40	7.09
08 71 11 00-0868	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.59 6.30 11.40	7.09
08 71 11 00-0869	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.55 6.30 11.40	7.09

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0870	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	105.07	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0871	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	109.02	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0872	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	112.97	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0873	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	118.51	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0874	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	122.46	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0875	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	126.41	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0876	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.24	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0877	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.55	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0878	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.87	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0879	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	87.18	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0880	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	93.07	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0881	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	97.38	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0882	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	101.69	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0883	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	106.02	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0884	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	111.90	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0885	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	116.21	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0886	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	120.52	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0887	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	126.41	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0888	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.74	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0889	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.05	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-0890 Brass Base Material Kick Plate (08 71 11 00-0761)**08 71 11 00-0891 Bright/Satin Brass Finish, Brass Kick Plate** (08 71 11 00-0890)

08 71 11 00-0892	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	72.83	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0893	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	77.29	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0894	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	81.78	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0895	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	86.24	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0896	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	92.29	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0897	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	96.78	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0898	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	101.25	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0899	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	105.72	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0900	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.75 1.76 11.40	6.70
08 71 11 00-0901	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.22 1.76 11.40	6.70
08 71 11 00-0902	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.69 1.76 11.40	6.70
08 71 11 00-0903	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.73 1.76 11.40	7.09
08 71 11 00-0904	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.23 1.76 11.40	7.09
08 71 11 00-0905	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.69 1.76 11.40	7.09
08 71 11 00-0906	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.14 1.76 11.40	5.91
08 71 11 00-0907	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.71 1.76 11.40	5.91
08 71 11 00-0908	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.31 1.76 11.40	5.91
08 71 11 00-0909	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.90 1.76 11.40	5.91
08 71 11 00-0910	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.05 1.76 11.40	6.30
08 71 11 00-0911	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.65 1.76 11.40	6.30
08 71 11 00-0912	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.25 1.76 11.40	6.30
08 71 11 00-0913	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.84 1.76 11.40	6.30
08 71 11 00-0914	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.98 1.76 11.40	6.70
08 71 11 00-0915	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.58 1.76 11.40	6.70
08 71 11 00-0916	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.18 1.76 11.40	6.70
08 71 11 00-0917	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.33 1.76 11.40	7.09
08 71 11 00-0918	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.93 1.76 11.40	7.09
08 71 11 00-0919	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.52 1.76 11.40	7.09
08 71 11 00-0920	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.40 1.76 11.40	5.91
08 71 11 00-0921	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.14 1.76 11.40	5.91
08 71 11 00-0922	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.83 1.76 11.40	5.91
08 71 11 00-0923	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.54 1.76 11.40	5.91
08 71 11 00-0924	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.84 1.76 11.40	6.30
08 71 11 00-0925	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.54 1.76 11.40	6.30
08 71 11 00-0926	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.25 1.76 11.40	6.30
08 71 11 00-0927	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.94 1.76 11.40	6.30
08 71 11 00-0928	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.25 1.76 11.40	6.70
08 71 11 00-0929	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.94 1.76 11.40	6.70

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0930	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	167.65	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0931	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	175.93	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0932	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	182.63	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0933	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	189.36	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0934	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	111.30	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0935	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	119.12	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0936	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	126.94	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0937	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	134.78	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0938	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	144.18	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0939	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	152.01	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0940	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	159.82	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0941	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	167.65	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0942	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	177.06	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0943	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	184.88	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0944	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	192.69	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0945	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	202.09	7.48
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0946	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	209.93	7.48
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0947	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	217.76	7.48
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0948	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	154.83	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0949	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	166.64	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0950	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	178.42	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0951	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	190.18	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0952	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	203.53	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0953	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	215.33	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0954	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	227.12	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0955	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	238.87	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0956	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	252.26	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0957	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	264.06	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0958	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	275.84	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0959	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	289.17	7.48
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0960	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.95 1.76 11.40	7.48
08 71 11 00-0961	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.75 1.76 11.40	7.48
08 71 11 00-0962	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.78 6.30 11.40	6.30
08 71 11 00-0963	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.00 6.30 11.40	6.30
08 71 11 00-0964	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.22 6.30 11.40	6.30
08 71 11 00-0965	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.47 6.30 11.40	6.30
08 71 11 00-0966	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.27 6.30 11.40	6.70
08 71 11 00-0967	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.48 6.30 11.40	6.70
08 71 11 00-0968	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.74 6.30 11.40	6.70
08 71 11 00-0969	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	264.95 6.30 11.40	6.70
08 71 11 00-0970	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.79 6.30 11.40	7.09
08 71 11 00-0971	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.02 6.30 11.40	7.09
08 71 11 00-0972	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	306.23 6.30 11.40	7.09
08 71 11 00-0973	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.06 6.30 11.40	7.48
08 71 11 00-0974	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.27 6.30 11.40	7.48
08 71 11 00-0975	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.49 6.30 11.40	7.48
08 71 11 00-0976	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.52 6.30 11.40	6.70
08 71 11 00-0977	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.21 6.30 11.40	6.70
08 71 11 00-0978	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.93 6.30 11.40	6.70
08 71 11 00-0979	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.60 6.30 11.40	6.70
08 71 11 00-0980	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.90 6.30 11.40	7.09
08 71 11 00-0981	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.61 6.30 11.40	7.09
08 71 11 00-0982	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.30 6.30 11.40	7.09
08 71 11 00-0983	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.02 6.30 11.40	7.09
08 71 11 00-0984	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.26 6.30 11.40	7.48
08 71 11 00-0985	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.98 6.30 11.40	7.48
08 71 11 00-0986	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.69 6.30 11.40	7.48
08 71 11 00-0987	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.96 6.30 11.40	7.88
08 71 11 00-0988	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.68 6.30 11.40	7.88
08 71 11 00-0989	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	384.35 6.30 11.40	7.88

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0990	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.70 6.30 11.40	6.70
08 71 11 00-0991	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.85 6.30 11.40	6.70
08 71 11 00-0992	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.02 6.30 11.40	6.70
08 71 11 00-0993	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.20 6.30 11.40	6.70
08 71 11 00-0994	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.95 6.30 11.40	7.09
08 71 11 00-0995	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.13 6.30 11.40	7.09
08 71 11 00-0996	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.30 6.30 11.40	7.09
08 71 11 00-0997	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.49 6.30 11.40	7.09
08 71 11 00-0998	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.21 6.30 11.40	7.48
08 71 11 00-0999	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.38 6.30 11.40	7.48
08 71 11 00-1000	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.56 6.30 11.40	7.48
08 71 11 00-1001	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	387.31 6.30 11.40	7.88
08 71 11 00-1002	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.49 6.30 11.40	7.88
08 71 11 00-1003	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.63 6.30 11.40	7.88
08 71 11 00-1004	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.85 6.30 11.40	6.70
08 71 11 00-1005	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.48 6.30 11.40	6.70
08 71 11 00-1006	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.14 6.30 11.40	6.70
08 71 11 00-1007	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.79 6.30 11.40	6.70
08 71 11 00-1008	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.02 6.30 11.40	7.09
08 71 11 00-1009	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.65 6.30 11.40	7.09
08 71 11 00-1010	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.29 6.30 11.40	7.09
08 71 11 00-1011	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	346.90 6.30 11.40	7.09
08 71 11 00-1012	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	365.14 6.30 11.40	7.48
08 71 11 00-1013	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.77 6.30 11.40	7.48
08 71 11 00-1014	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.42 6.30 11.40	7.48
08 71 11 00-1015	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.63 6.30 11.40	7.88
08 71 11 00-1016	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.30 6.30 11.40	7.88
08 71 11 00-1017	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	454.93 6.30 11.40	7.88
08 71 11 00-1018			Bright/Satin Chrome Finish, Brass Kick Plate (08 71 11 00-0990)		
08 71 11 00-1019	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.89 1.76 11.40	5.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1020	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.82 1.76 11.40	5.91
08 71 11 00-1021	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.75 1.76 11.40	5.91
08 71 11 00-1022	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.68 1.76 11.40	5.91
08 71 11 00-1023	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.20 1.76 11.40	6.30
08 71 11 00-1024	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.11 1.76 11.40	6.30
08 71 11 00-1025	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.05 1.76 11.40	6.30
08 71 11 00-1026	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.98 1.76 11.40	6.30
08 71 11 00-1027	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.48 1.76 11.40	6.70
08 71 11 00-1028	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.43 1.76 11.40	6.70
08 71 11 00-1029	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.36 1.76 11.40	6.70
08 71 11 00-1030	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.88 1.76 11.40	7.09
08 71 11 00-1031	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.81 1.76 11.40	7.09
08 71 11 00-1032	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.74 1.76 11.40	7.09
08 71 11 00-1033	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.45 1.76 11.40	5.91
08 71 11 00-1034	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.62 1.76 11.40	5.91
08 71 11 00-1035	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.78 1.76 11.40	5.91
08 71 11 00-1036	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.94 1.76 11.40	5.91
08 71 11 00-1037	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.70 1.76 11.40	6.30
08 71 11 00-1038	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.86 1.76 11.40	6.30
08 71 11 00-1039	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.02 1.76 11.40	6.30
08 71 11 00-1040	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.19 1.76 11.40	6.30
08 71 11 00-1041	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.92 1.76 11.40	6.70
08 71 11 00-1042	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.08 1.76 11.40	6.70
08 71 11 00-1043	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.24 1.76 11.40	6.70
08 71 11 00-1044	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.98 1.76 11.40	7.09
08 71 11 00-1045	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.15 1.76 11.40	7.09
08 71 11 00-1046	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.31 1.76 11.40	7.09
08 71 11 00-1047	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.01 1.76 11.40	5.91
08 71 11 00-1048	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.40 1.76 11.40	5.91
08 71 11 00-1049	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.82 1.76 11.40	5.91

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1050	EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	127.21 1.76 11.40	5.91
08 71 11 00-1051	EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	136.19 1.76 11.40	6.30
08 71 11 00-1052	EA 12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.59 1.76 11.40	6.30
08 71 11 00-1053	EA 12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	150.98 1.76 11.40	6.30
08 71 11 00-1054	EA 12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.38 1.76 11.40	6.30
08 71 11 00-1055	EA 12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.34 1.76 11.40	6.70
08 71 11 00-1056	EA 12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	174.73 1.76 11.40	6.70
08 71 11 00-1057	EA 12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.14 1.76 11.40	6.70
08 71 11 00-1058	EA 12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.11 1.76 11.40	7.09
08 71 11 00-1059	EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	198.53 1.76 11.40	7.09
08 71 11 00-1060	EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	205.92 1.76 11.40	7.09
08 71 11 00-1061	EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.14 1.76 11.40	6.30
08 71 11 00-1062	EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.79 1.76 11.40	6.30
08 71 11 00-1063	EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.43 1.76 11.40	6.30
08 71 11 00-1064	EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.05 1.76 11.40	6.30
08 71 11 00-1065	EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	156.24 1.76 11.40	6.70
08 71 11 00-1066	EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	164.88 1.76 11.40	6.70
08 71 11 00-1067	EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.50 1.76 11.40	6.70
08 71 11 00-1068	EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	182.14 1.76 11.40	6.70
08 71 11 00-1069	EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	192.37 1.76 11.40	7.09
08 71 11 00-1070	EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	200.99 1.76 11.40	7.09
08 71 11 00-1071	EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.61 1.76 11.40	7.09
08 71 11 00-1072	EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.25 1.76 11.40	7.48
08 71 11 00-1073	EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	228.44 1.76 11.40	7.48
08 71 11 00-1074	EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.07 1.76 11.40	7.48
08 71 11 00-1075	EA 16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.88 1.76 11.40	6.30
08 71 11 00-1076	EA 16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.04 1.76 11.40	6.30
08 71 11 00-1077	EA 16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	196.19 1.76 11.40	6.30
08 71 11 00-1078	EA 16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.34 1.76 11.40	6.30
08 71 11 00-1079	EA 16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	224.06 1.76 11.40	6.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1080	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.21 1.76 11.40	6.70
08 71 11 00-1081	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.37 1.76 11.40	6.70
08 71 11 00-1082	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.52 1.76 11.40	6.70
08 71 11 00-1083	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.25 1.76 11.40	7.09
08 71 11 00-1084	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.40 1.76 11.40	7.09
08 71 11 00-1085	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	304.55 1.76 11.40	7.09
08 71 11 00-1086	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.27 1.76 11.40	7.48
08 71 11 00-1087	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.41 1.76 11.40	7.48
08 71 11 00-1088	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.56 1.76 11.40	7.48
08 71 11 00-1089	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.49 6.30 11.40	6.30
08 71 11 00-1090	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.26 6.30 11.40	6.30
08 71 11 00-1091	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.99 6.30 11.40	6.30
08 71 11 00-1092	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.76 6.30 11.40	6.30
08 71 11 00-1093	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.07 6.30 11.40	6.70
08 71 11 00-1094	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.82 6.30 11.40	6.70
08 71 11 00-1095	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.57 6.30 11.40	6.70
08 71 11 00-1096	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.32 6.30 11.40	6.70
08 71 11 00-1097	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.64 6.30 11.40	7.09
08 71 11 00-1098	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	323.41 6.30 11.40	7.09
08 71 11 00-1099	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	338.17 6.30 11.40	7.09
08 71 11 00-1100	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	354.48 6.30 11.40	7.48
08 71 11 00-1101	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.25 6.30 11.40	7.48
08 71 11 00-1102	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	383.98 6.30 11.40	7.48
08 71 11 00-1103	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.08 6.30 11.40	6.70
08 71 11 00-1104	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.50 6.30 11.40	6.70
08 71 11 00-1105	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.87 6.30 11.40	6.70
08 71 11 00-1106	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.28 6.30 11.40	6.70
08 71 11 00-1107	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.23 6.30 11.40	7.09
08 71 11 00-1108	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	290.62 6.30 11.40	7.09
08 71 11 00-1109	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.02 6.30 11.40	7.09

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1110	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	323.41	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1111	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	341.39	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1112	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	357.76	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1113	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	374.15	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1114	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	392.13	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1115	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	408.52	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1116	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	424.92	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1117	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	225.11	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1118	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	243.17	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1119	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	261.19	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1120	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	279.21	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1121	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	298.84	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1122	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	316.86	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1123	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	334.89	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1124	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	352.91	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1125	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	372.53	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1126	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	390.55	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1127	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	408.59	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1128	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	428.19	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1129	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	446.21	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1130	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	464.26	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1131	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	243.17	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1132	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	262.82	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1133	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	282.49	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1134	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	302.16	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1135	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	323.41	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1136	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	343.08	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1137	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	362.78	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1138	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	382.41	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1139	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	403.65	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1140	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.34 6.30 11.40	7.48
08 71 11 00-1141	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	443.01 6.30 11.40	7.48
08 71 11 00-1142	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	464.26 6.30 11.40	7.88
08 71 11 00-1143	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	483.92 6.30 11.40	7.88
08 71 11 00-1144	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	503.59 6.30 11.40	7.88
08 71 11 00-1145 Satin/Dark Bronze Finish, Brass Kick Plate (08 71 11 00-0890)					
08 71 11 00-1146	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.85 1.76 11.40	5.91
08 71 11 00-1147	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.85 1.76 11.40	5.91
08 71 11 00-1148	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.89 1.76 11.40	5.91
08 71 11 00-1149	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.88 1.76 11.40	5.91
08 71 11 00-1150	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.50 1.76 11.40	6.30
08 71 11 00-1151	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.51 1.76 11.40	6.30
08 71 11 00-1152	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.54 1.76 11.40	6.30
08 71 11 00-1153	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.55 1.76 11.40	6.30
08 71 11 00-1154	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.12 1.76 11.40	6.70
08 71 11 00-1155	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.16 1.76 11.40	6.70
08 71 11 00-1156	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.17 1.76 11.40	6.70
08 71 11 00-1157	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.78 1.76 11.40	7.09
08 71 11 00-1158	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.79 1.76 11.40	7.09
08 71 11 00-1159	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.81 1.76 11.40	7.09
08 71 11 00-1160	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.64 1.76 11.40	5.91
08 71 11 00-1161	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.92 1.76 11.40	5.91
08 71 11 00-1162	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.18 1.76 11.40	5.91
08 71 11 00-1163	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.45 1.76 11.40	5.91
08 71 11 00-1164	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.30 1.76 11.40	6.30
08 71 11 00-1165	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.59 1.76 11.40	6.30
08 71 11 00-1166	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.84 1.76 11.40	6.30
08 71 11 00-1167	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.12 1.76 11.40	6.30
08 71 11 00-1168	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.97 1.76 11.40	6.70
08 71 11 00-1169	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.24 1.76 11.40	6.70

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1170	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	158.50	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1171	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	166.38	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1172	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	172.64	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1173	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	178.91	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1174	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	106.44	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1175	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	113.97	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1176	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	121.49	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1177	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	129.02	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1178	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	138.12	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1179	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	145.66	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1180	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	153.19	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1181	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	160.71	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1182	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	169.81	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1183	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.33	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1184	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.84	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1185	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	193.95	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1186	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	201.50	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1187	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.02	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1188	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	121.81	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1189	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	130.60	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1190	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	139.38	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1191	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.15	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1192	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	158.50	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1193	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	167.29	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1194	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	176.07	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1195	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.84	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1196	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	195.21	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1197	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	203.99	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1198	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.77	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1199	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.13	7.48
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1200	EA	14" x 46"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.94 1.76 11.40	7.48
08 71 11 00-1201	EA	14" x 48"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	240.71 1.76 11.40	7.48
08 71 11 00-1202	EA	16" x 22"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.88 1.76 11.40	6.30
08 71 11 00-1203	EA	16" x 24"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.04 1.76 11.40	6.30
08 71 11 00-1204	EA	16" x 26"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	196.19 1.76 11.40	6.30
08 71 11 00-1205	EA	16" x 28"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.34 1.76 11.40	6.30
08 71 11 00-1206	EA	16" x 30"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	224.06 1.76 11.40	6.70
08 71 11 00-1207	EA	16" x 32"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.21 1.76 11.40	6.70
08 71 11 00-1208	EA	16" x 34"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	250.37 1.76 11.40	6.70
08 71 11 00-1209	EA	16" x 36"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	263.52 1.76 11.40	6.70
08 71 11 00-1210	EA	16" x 38"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	278.25 1.76 11.40	7.09
08 71 11 00-1211	EA	16" x 40"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	291.40 1.76 11.40	7.09
08 71 11 00-1212	EA	16" x 42"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	304.55 1.76 11.40	7.09
08 71 11 00-1213	EA	16" x 44"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	319.27 1.76 11.40	7.48
08 71 11 00-1214	EA	16" x 46"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	332.41 1.76 11.40	7.48
08 71 11 00-1215	EA	16" x 48"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	345.56 1.76 11.40	7.48
08 71 11 00-1216	EA	18" x 22"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.49 6.30 11.40	6.30
08 71 11 00-1217	EA	18" x 24"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	202.26 6.30 11.40	6.30
08 71 11 00-1218	EA	18" x 26"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	216.99 6.30 11.40	6.30
08 71 11 00-1219	EA	18" x 28"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.76 6.30 11.40	6.30
08 71 11 00-1220	EA	18" x 30"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	248.07 6.30 11.40	6.70
08 71 11 00-1221	EA	18" x 32"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	262.82 6.30 11.40	6.70
08 71 11 00-1222	EA	18" x 34"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	277.57 6.30 11.40	6.70
08 71 11 00-1223	EA	18" x 36"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	292.32 6.30 11.40	6.70
08 71 11 00-1224	EA	18" x 38"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	308.64 6.30 11.40	7.09
08 71 11 00-1225	EA	18" x 40"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.41 6.30 11.40	7.09
08 71 11 00-1226	EA	18" x 42"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	338.17 6.30 11.40	7.09
08 71 11 00-1227	EA	18" x 44"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	354.48 6.30 11.40	7.48
08 71 11 00-1228	EA	18" x 46"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	369.25 6.30 11.40	7.48
08 71 11 00-1229	EA	18" x 48"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	383.98 6.30 11.40	7.48

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1230	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	207.08	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1231	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.50	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1232	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	239.87	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1233	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	256.28	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1234	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	274.23	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1235	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	290.62	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1236	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	307.02	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1237	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.41	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1238	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	341.39	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1239	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.76	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1240	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	374.15	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1241	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	392.13	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1242	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	408.52	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1243	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	424.92	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1244	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	225.11	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1245	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.17	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1246	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	261.19	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1247	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.21	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1248	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.84	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1249	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	316.86	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1250	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	334.89	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1251	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	352.91	7.09
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1252	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.53	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1253	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	390.55	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1254	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	408.59	7.48
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1255	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	428.19	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1256	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.21	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1257	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	464.26	7.88
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1258	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.17	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1259	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.82	6.70
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1260	EA	24" x 26"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	282.49 6.30 11.40	6.70
08 71 11 00-1261	EA	24" x 28"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	302.16 6.30 11.40	6.70
08 71 11 00-1262	EA	24" x 30"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.41 6.30 11.40	7.09
08 71 11 00-1263	EA	24" x 32"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	343.08 6.30 11.40	7.09
08 71 11 00-1264	EA	24" x 34"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	362.78 6.30 11.40	7.09
08 71 11 00-1265	EA	24" x 36"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	382.41 6.30 11.40	7.09
08 71 11 00-1266	EA	24" x 38"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	403.65 6.30 11.40	7.48
08 71 11 00-1267	EA	24" x 40"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	423.34 6.30 11.40	7.48
08 71 11 00-1268	EA	24" x 42"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	443.01 6.30 11.40	7.48
08 71 11 00-1269	EA	24" x 44"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	464.26 6.30 11.40	7.88
08 71 11 00-1270	EA	24" x 46"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	483.92 6.30 11.40	7.88
08 71 11 00-1271	EA	24" x 48"	0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	503.59 6.30 11.40	7.88
08 71 11 00-1272			Satin Nickel Finish, Brass Kick Plate (08 71 11 00-0890)		
08 71 11 00-1273	EA	8" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	78.85 1.76 11.40	5.91
08 71 11 00-1274	EA	8" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	83.85 1.76 11.40	5.91
08 71 11 00-1275	EA	8" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	88.89 1.76 11.40	5.91
08 71 11 00-1276	EA	8" x 28"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.88 1.76 11.40	5.91
08 71 11 00-1277	EA	8" x 30"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	100.50 1.76 11.40	6.30
08 71 11 00-1278	EA	8" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.51 1.76 11.40	6.30
08 71 11 00-1279	EA	8" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	110.54 1.76 11.40	6.30
08 71 11 00-1280	EA	8" x 36"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.55 1.76 11.40	6.30
08 71 11 00-1281	EA	8" x 38"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.12 1.76 11.40	6.70
08 71 11 00-1282	EA	8" x 40"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	127.16 1.76 11.40	6.70
08 71 11 00-1283	EA	8" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	132.17 1.76 11.40	6.70
08 71 11 00-1284	EA	8" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.78 1.76 11.40	7.09
08 71 11 00-1285	EA	8" x 46"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.79 1.76 11.40	7.09
08 71 11 00-1286	EA	8" x 48"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	148.81 1.76 11.40	7.09
08 71 11 00-1287	EA	10" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.64 1.76 11.40	5.91
08 71 11 00-1288	EA	10" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.92 1.76 11.40	5.91
08 71 11 00-1289	EA	10" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.18 1.76 11.40	5.91

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1290	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	111.45	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1291	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	119.30	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1292	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	125.59	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1293	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.84	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1294	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.12	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1295	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	145.97	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1296	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	152.24	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1297	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	158.50	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1298	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	166.38	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1299	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	172.64	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1300	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	178.91	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1301	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	106.44	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1302	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	113.97	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1303	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	121.49	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1304	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	129.02	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1305	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	138.12	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1306	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	145.66	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1307	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	153.19	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1308	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	160.71	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1309	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	169.81	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1310	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	177.33	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1311	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	184.84	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1312	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	193.95	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1313	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	201.50	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1314	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	209.02	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1315	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	121.81	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1316	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	130.60	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1317	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	139.38	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1318	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	148.15	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1319	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	158.50	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1320	EA	14" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.29 1.76 11.40	6.70
08 71 11 00-1321	EA	14" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.07 1.76 11.40	6.70
08 71 11 00-1322	EA	14" x 36"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	184.84 1.76 11.40	6.70
08 71 11 00-1323	EA	14" x 38"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	195.21 1.76 11.40	7.09
08 71 11 00-1324	EA	14" x 40"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	203.99 1.76 11.40	7.09
08 71 11 00-1325	EA	14" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	212.77 1.76 11.40	7.09
08 71 11 00-1326	EA	14" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	223.13 1.76 11.40	7.48
08 71 11 00-1327	EA	14" x 46"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.94 1.76 11.40	7.48
08 71 11 00-1328	EA	14" x 48"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	240.71 1.76 11.40	7.48
08 71 11 00-1329	EA	16" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	169.88 1.76 11.40	6.30
08 71 11 00-1330	EA	16" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.04 1.76 11.40	6.30
08 71 11 00-1331	EA	16" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	196.19 1.76 11.40	6.30
08 71 11 00-1332	EA	16" x 28"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.34 1.76 11.40	6.30
08 71 11 00-1333	EA	16" x 30"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	224.06 1.76 11.40	6.70
08 71 11 00-1334	EA	16" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.21 1.76 11.40	6.70
08 71 11 00-1335	EA	16" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	250.37 1.76 11.40	6.70
08 71 11 00-1336	EA	16" x 36"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	263.52 1.76 11.40	6.70
08 71 11 00-1337	EA	16" x 38"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	278.25 1.76 11.40	7.09
08 71 11 00-1338	EA	16" x 40"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	291.40 1.76 11.40	7.09
08 71 11 00-1339	EA	16" x 42"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	304.55 1.76 11.40	7.09
08 71 11 00-1340	EA	16" x 44"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	319.27 1.76 11.40	7.48
08 71 11 00-1341	EA	16" x 46"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	332.41 1.76 11.40	7.48
08 71 11 00-1342	EA	16" x 48"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	345.56 1.76 11.40	7.48
08 71 11 00-1343	EA	18" x 22"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.49 6.30 11.40	6.30
08 71 11 00-1344	EA	18" x 24"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	202.26 6.30 11.40	6.30
08 71 11 00-1345	EA	18" x 26"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	216.99 6.30 11.40	6.30
08 71 11 00-1346	EA	18" x 28"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.76 6.30 11.40	6.30
08 71 11 00-1347	EA	18" x 30"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	248.07 6.30 11.40	6.70
08 71 11 00-1348	EA	18" x 32"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	262.82 6.30 11.40	6.70
08 71 11 00-1349	EA	18" x 34"	0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	277.57 6.30 11.40	6.70

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1350	EA 18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	292.32 6.30 11.40	6.70
08 71 11 00-1351	EA 18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	308.64 6.30 11.40	7.09
08 71 11 00-1352	EA 18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.41 6.30 11.40	7.09
08 71 11 00-1353	EA 18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	338.17 6.30 11.40	7.09
08 71 11 00-1354	EA 18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	354.48 6.30 11.40	7.48
08 71 11 00-1355	EA 18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	369.25 6.30 11.40	7.48
08 71 11 00-1356	EA 18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	383.98 6.30 11.40	7.48
08 71 11 00-1357	EA 20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	207.08 6.30 11.40	6.70
08 71 11 00-1358	EA 20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	223.50 6.30 11.40	6.70
08 71 11 00-1359	EA 20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	239.87 6.30 11.40	6.70
08 71 11 00-1360	EA 20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	256.28 6.30 11.40	6.70
08 71 11 00-1361	EA 20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	274.23 6.30 11.40	7.09
08 71 11 00-1362	EA 20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	290.62 6.30 11.40	7.09
08 71 11 00-1363	EA 20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	307.02 6.30 11.40	7.09
08 71 11 00-1364	EA 20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	323.41 6.30 11.40	7.09
08 71 11 00-1365	EA 20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	341.39 6.30 11.40	7.48
08 71 11 00-1366	EA 20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	357.76 6.30 11.40	7.48
08 71 11 00-1367	EA 20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	374.15 6.30 11.40	7.48
08 71 11 00-1368	EA 20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	392.13 6.30 11.40	7.88
08 71 11 00-1369	EA 20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	408.52 6.30 11.40	7.88
08 71 11 00-1370	EA 20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	424.92 6.30 11.40	7.88
08 71 11 00-1371	EA 22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	225.11 6.30 11.40	6.70
08 71 11 00-1372	EA 22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	243.17 6.30 11.40	6.70
08 71 11 00-1373	EA 22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	261.19 6.30 11.40	6.70
08 71 11 00-1374	EA 22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	279.21 6.30 11.40	6.70
08 71 11 00-1375	EA 22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	298.84 6.30 11.40	7.09
08 71 11 00-1376	EA 22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	316.86 6.30 11.40	7.09
08 71 11 00-1377	EA 22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	334.89 6.30 11.40	7.09
08 71 11 00-1378	EA 22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	352.91 6.30 11.40	7.09
08 71 11 00-1379	EA 22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	372.53 6.30 11.40	7.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1380	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	390.55	7.48
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1381	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	408.59	7.48
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1382	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	428.19	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1383	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	446.21	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1384	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	464.26	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1385	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	243.17	6.70
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1386	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	262.82	6.70
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1387	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	282.49	6.70
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1388	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	302.16	6.70
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1389	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	323.41	7.09
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1390	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	343.08	7.09
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1391	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	362.78	7.09
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1392	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	382.41	7.09
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1393	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	403.65	7.48
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1394	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	423.34	7.48
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1395	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	443.01	7.48
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1396	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	464.26	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1397	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	483.92	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1398	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	.....	503.59	7.88
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1399		Stainless Base Material Kick Plate (08 71 11 00-0761)			
08 71 11 00-1400		Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1399)			
08 71 11 00-1401	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	40.87	5.91
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1402	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	42.45	5.91
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1403	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	43.99	5.91
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1404	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	45.60	5.91
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1405	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	48.73	6.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1406	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	50.27	6.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1407	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	51.88	6.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1408	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	53.43	6.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1409	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	56.57	6.70
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1410	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.15	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1411	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.70	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1412	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.85	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1413	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.42	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1414	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.98	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1415	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.18	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1416	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	47.15	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1417	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.11	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1418	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.06	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1419	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.61	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1420	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.58	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1421	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.52	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1422	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.47	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1423	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.03	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1424	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.97	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1425	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.92	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1426	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.47	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1427	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.43	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1428	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.38	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1429	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.50	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1430	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.85	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1431	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.20	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1432	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.55	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1433	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.47	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1434	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.83	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1435	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.17	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1436	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.53	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1437	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.43	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1438	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.80	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1439	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.17	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1440	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.08 1.76 11.40	7.09
08 71 11 00-1441	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.44 1.76 11.40	7.09
08 71 11 00-1442	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.78 1.76 11.40	7.09
08 71 11 00-1443	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.39 1.76 11.40	6.30
08 71 11 00-1444	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.13 1.76 11.40	6.30
08 71 11 00-1445	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.89 1.76 11.40	6.30
08 71 11 00-1446	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.62 1.76 11.40	6.30
08 71 11 00-1447	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.92 1.76 11.40	6.70
08 71 11 00-1448	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.67 1.76 11.40	6.70
08 71 11 00-1449	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.41 1.76 11.40	6.70
08 71 11 00-1450	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.17 1.76 11.40	6.70
08 71 11 00-1451	EA		14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.50 1.76 11.40	7.09
08 71 11 00-1452	EA		14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.21 1.76 11.40	7.09
08 71 11 00-1453	EA		14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.96 1.76 11.40	7.09
08 71 11 00-1454	EA		14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.29 1.76 11.40	7.48
08 71 11 00-1455	EA		14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.02 1.76 11.40	7.48
08 71 11 00-1456	EA		14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.78 1.76 11.40	7.48
08 71 11 00-1457	EA		16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.96 1.76 11.40	6.30
08 71 11 00-1458	EA		16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.46 1.76 11.40	6.30
08 71 11 00-1459	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.82 1.76 11.40	6.30
08 71 11 00-1460	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.17 1.76 11.40	6.30
08 71 11 00-1461	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.08 1.76 11.40	6.70
08 71 11 00-1462	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.44 1.76 11.40	6.70
08 71 11 00-1463	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.81 1.76 11.40	6.70
08 71 11 00-1464	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.15 1.76 11.40	6.70
08 71 11 00-1465	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.08 1.76 11.40	7.09
08 71 11 00-1466	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.45 1.76 11.40	7.09
08 71 11 00-1467	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.81 1.76 11.40	7.09
08 71 11 00-1468	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.01 1.76 11.40	7.48
08 71 11 00-1469	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.08 1.76 11.40	7.48

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1470	EA 16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.44 1.76 11.40	7.48
08 71 11 00-1471	EA 18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.79 6.30 11.40	6.30
08 71 11 00-1472	EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.49 6.30 11.40	6.30
08 71 11 00-1473	EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.16 6.30 11.40	6.30
08 71 11 00-1474	EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.85 6.30 11.40	6.30
08 71 11 00-1475	EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.12 6.30 11.40	6.70
08 71 11 00-1476	EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.80 6.30 11.40	6.70
08 71 11 00-1477	EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.49 6.30 11.40	6.70
08 71 11 00-1478	EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.16 6.30 11.40	6.70
08 71 11 00-1479	EA 18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.44 6.30 11.40	7.09
08 71 11 00-1480	EA 18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.13 6.30 11.40	7.09
08 71 11 00-1481	EA 18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.80 6.30 11.40	7.09
08 71 11 00-1482	EA 18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.08 6.30 11.40	7.48
08 71 11 00-1483	EA 18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.78 6.30 11.40	7.48
08 71 11 00-1484	EA 18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.45 6.30 11.40	7.48
08 71 11 00-1485	EA 20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.87 6.30 11.40	6.70
08 71 11 00-1486	EA 20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.96 6.30 11.40	6.70
08 71 11 00-1487	EA 20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.07 6.30 11.40	6.70
08 71 11 00-1488	EA 20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.15 6.30 11.40	6.70
08 71 11 00-1489	EA 20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.84 6.30 11.40	7.09
08 71 11 00-1490	EA 20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.94 6.30 11.40	7.09
08 71 11 00-1491	EA 20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.02 6.30 11.40	7.09
08 71 11 00-1492	EA 20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.13 6.30 11.40	7.09
08 71 11 00-1493	EA 20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.79 6.30 11.40	7.48
08 71 11 00-1494	EA 20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.90 6.30 11.40	7.48
08 71 11 00-1495	EA 20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.01 6.30 11.40	7.48
08 71 11 00-1496	EA 20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.66 6.30 11.40	7.88
08 71 11 00-1497	EA 20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.77 6.30 11.40	7.88
08 71 11 00-1498	EA 20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.87 6.30 11.40	7.88
08 71 11 00-1499	EA 22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.37 6.30 11.40	6.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1500	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	80.90 6.30 11.40	6.70
08 71 11 00-1501	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	85.38 6.30 11.40	6.70
08 71 11 00-1502	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	89.91 6.30 11.40	6.70
08 71 11 00-1503	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.97 6.30 11.40	7.09
08 71 11 00-1504	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	100.50 6.30 11.40	7.09
08 71 11 00-1505	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	104.99 6.30 11.40	7.09
08 71 11 00-1506	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.51 6.30 11.40	7.09
08 71 11 00-1507	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.57 6.30 11.40	7.48
08 71 11 00-1508	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.08 6.30 11.40	7.48
08 71 11 00-1509	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	124.61 6.30 11.40	7.48
08 71 11 00-1510	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.67 6.30 11.40	7.88
08 71 11 00-1511	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.20 6.30 11.40	7.88
08 71 11 00-1512	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.68 6.30 11.40	7.88
08 71 11 00-1513	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	80.90 6.30 11.40	6.70
08 71 11 00-1514	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	85.80 6.30 11.40	6.70
08 71 11 00-1515	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	90.73 6.30 11.40	6.70
08 71 11 00-1516	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.63 6.30 11.40	6.70
08 71 11 00-1517	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	102.13 6.30 11.40	7.09
08 71 11 00-1518	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	107.05 6.30 11.40	7.09
08 71 11 00-1519	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	111.96 6.30 11.40	7.09
08 71 11 00-1520	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.88 6.30 11.40	7.09
08 71 11 00-1521	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	123.37 6.30 11.40	7.48
08 71 11 00-1522	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.29 6.30 11.40	7.48
08 71 11 00-1523	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.20 6.30 11.40	7.48
08 71 11 00-1524	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.68 6.30 11.40	7.88
08 71 11 00-1525	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.62 6.30 11.40	7.88
08 71 11 00-1526	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	149.55 6.30 11.40	7.88
08 71 11 00-1527			Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1399)		
08 71 11 00-1528	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.34 1.76 11.40	5.91
08 71 11 00-1529	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	66.96 1.76 11.40	5.91

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1530	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	70.56	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1531	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.17	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1532	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	79.34	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1533	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	82.97	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1534	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.56	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1535	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	90.19	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1536	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	95.34	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1537	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	98.96	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1538	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	102.59	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1539	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.76	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1540	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.37	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1541	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	114.97	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1542	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	73.26	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1543	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	77.76	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1544	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	82.29	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1545	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.80	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1546	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	92.88	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1547	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.39	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1548	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.92	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1549	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.43	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1550	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.50	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1551	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.01	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1552	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.54	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1553	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.60	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1554	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.13	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1555	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.64	7.09
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1556	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.18	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1557	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	88.61	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1558	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.02	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1559	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	99.44	5.91
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1560	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.43	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1561	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.82	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1562	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.25	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1563	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.66	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1564	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	129.65	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1565	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.06	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1566	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	140.46	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1567	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.47	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1568	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	152.87	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1569	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.29	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1570	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.70	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1571	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.02	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1572	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.34	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1573	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	113.65	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1574	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.54	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1575	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.84	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1576	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.16	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1577	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	140.46	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1578	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.38	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1579	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.69	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1580	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	161.01	7.09	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1581	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.90	7.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1582	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.19	7.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1583	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	181.50	7.48	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1584	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	104.61	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1585	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.82	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1586	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.07	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1587	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.27	6.30	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1588	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	135.06	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1589	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.28	6.70	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1590	EA 16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.49	6.70
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1591	EA 16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.71	6.70
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1592	EA 16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.51	7.09
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1593	EA 16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.71	7.09
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1594	EA 16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.93	7.09
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1595	EA 16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.72	7.48
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1596	EA 16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	195.96	7.48
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1597	EA 16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.18	7.48
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1598	EA 18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	115.60	6.30
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1599	EA 18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.85	6.30
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1600	EA 18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.03	6.30
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1601	EA 18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	140.28	6.30
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1602	EA 18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	150.06	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1603	EA 18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	158.25	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1604	EA 18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.50	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1605	EA 18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.38	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1606	EA 18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.51	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1607	EA 18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.73	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1608	EA 18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.94	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1609	EA 18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	210.73	7.48
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1610	EA 18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.94	7.48
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1611	EA 18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.16	7.48
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1612	EA 20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.24	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1613	EA 20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.35	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1614	EA 20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.49	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1615	EA 20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.61	6.70
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1616	EA 20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.32	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1617	EA 20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.47	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1618	EA 20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	183.58	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1619	EA 20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.73	7.09
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1620	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.40 6.30 11.40	7.48
08 71 11 00-1621	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.55 6.30 11.40	7.48
08 71 11 00-1622	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.68 6.30 11.40	7.48
08 71 11 00-1623	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.38 6.30 11.40	7.88
08 71 11 00-1624	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.52 6.30 11.40	7.88
08 71 11 00-1625	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.63 6.30 11.40	7.88
08 71 11 00-1626	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.27 6.30 11.40	6.70
08 71 11 00-1627	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.31 6.30 11.40	6.70
08 71 11 00-1628	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.35 6.30 11.40	6.70
08 71 11 00-1629	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.38 6.30 11.40	6.70
08 71 11 00-1630	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.02 6.30 11.40	7.09
08 71 11 00-1631	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.07 6.30 11.40	7.09
08 71 11 00-1632	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.12 6.30 11.40	7.09
08 71 11 00-1633	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.16 6.30 11.40	7.09
08 71 11 00-1634	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.76 6.30 11.40	7.48
08 71 11 00-1635	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.80 6.30 11.40	7.48
08 71 11 00-1636	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.84 6.30 11.40	7.48
08 71 11 00-1637	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.46 6.30 11.40	7.88
08 71 11 00-1638	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.52 6.30 11.40	7.88
08 71 11 00-1639	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.56 6.30 11.40	7.88
08 71 11 00-1640	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.31 6.30 11.40	6.70
08 71 11 00-1641	EA		24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.25 6.30 11.40	6.70
08 71 11 00-1642	EA		24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.22 6.30 11.40	6.70
08 71 11 00-1643	EA		24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.17 6.30 11.40	6.70
08 71 11 00-1644	EA		24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.73 6.30 11.40	7.09
08 71 11 00-1645	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.66 6.30 11.40	7.09
08 71 11 00-1646	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.62 6.30 11.40	7.09
08 71 11 00-1647	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.59 6.30 11.40	7.09
08 71 11 00-1648	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	238.12 6.30 11.40	7.48
08 71 11 00-1649	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.05 6.30 11.40	7.48

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1650	EA 24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	260.02 6.30 11.40	7.48
08 71 11 00-1651	EA 24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.56 6.30 11.40	7.88
08 71 11 00-1652	EA 24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.53 6.30 11.40	7.88
08 71 11 00-1653	EA 24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.47 6.30 11.40	7.88
08 71 11 00-1654	Plastic Kick Plate (08 71 11 00-0761)		
08 71 11 00-1655	Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1654) Note: With four beveled edges.		
08 71 11 00-1656	EA 8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	36.32	5.91
08 71 11 00-1657	EA 8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	37.46	5.91
08 71 11 00-1658	EA 8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	38.63	5.91
08 71 11 00-1659	EA 8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	39.78	5.91
08 71 11 00-1660	EA 8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.52	6.30
08 71 11 00-1661	EA 8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.67	6.30
08 71 11 00-1662	EA 8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.81	6.30
08 71 11 00-1663	EA 8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.98	6.30
08 71 11 00-1664	EA 8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.10	6.70
08 71 11 00-1665	EA 8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.83	6.70
08 71 11 00-1666	EA 8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.01	6.70
08 71 11 00-1667	EA 8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.74	7.09
08 71 11 00-1668	EA 8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.90	7.09
08 71 11 00-1669	EA 8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.05	7.09
08 71 11 00-1670	EA 10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	39.49	5.91
08 71 11 00-1671	EA 10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.94	5.91
08 71 11 00-1672	EA 10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.37	5.91
08 71 11 00-1673	EA 10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.80	5.91
08 71 11 00-1674	EA 10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.84	6.30
08 71 11 00-1675	EA 10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.26	6.30
08 71 11 00-1676	EA 10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.72	6.30
08 71 11 00-1677	EA 10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.15	6.30
08 71 11 00-1678	EA 10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.17	6.70
08 71 11 00-1679	EA 10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.60	6.70
08 71 11 00-1680	EA 10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.06	6.70
08 71 11 00-1681	EA 10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.07	7.09
08 71 11 00-1682	EA 10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.52	7.09
08 71 11 00-1683	EA 10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.95	7.09
08 71 11 00-1684	EA 12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.67	5.91
08 71 11 00-1685	EA 12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.40	5.91
08 71 11 00-1686	EA 12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.11	5.91
08 71 11 00-1687	EA 12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.86	5.91
08 71 11 00-1688	EA 12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.15	6.30
08 71 11 00-1689	EA 12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.90	6.30
08 71 11 00-1690	EA 12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.63	6.30
08 71 11 00-1691	EA 12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.36	6.30
08 71 11 00-1692	EA 12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.63	6.70
08 71 11 00-1693	EA 12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.37	6.70
08 71 11 00-1694	EA 12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.12	6.70
08 71 11 00-1695	EA 12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.41	7.09
08 71 11 00-1696	EA 12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.16	7.09
08 71 11 00-1697	EA 12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.87	7.09
08 71 11 00-1698	EA 14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.41	6.30
08 71 11 00-1699	EA 14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.44	6.30
08 71 11 00-1700	EA 14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.44	6.30
08 71 11 00-1701	EA 14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.47	6.30
08 71 11 00-1702	EA 14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.06	6.70
08 71 11 00-1703	EA 14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.06	6.70
08 71 11 00-1704	EA 14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.09	6.70
08 71 11 00-1705	EA 14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.12	6.70
08 71 11 00-1706	EA 14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.70	7.09
08 71 11 00-1707	EA 14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.73	7.09
08 71 11 00-1708	EA 14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.75	7.09
08 71 11 00-1709	EA 14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.32	7.48
08 71 11 00-1710	EA 14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.35	7.48
08 71 11 00-1711	EA 14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.35	7.48
08 71 11 00-1712	EA 16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.38	6.30
08 71 11 00-1713	EA 16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.04	6.30
08 71 11 00-1714	EA 16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.66	6.30
08 71 11 00-1715	EA 16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.32	6.30
08 71 11 00-1716	EA 16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.55	6.70
08 71 11 00-1717	EA 16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.19	6.70
08 71 11 00-1718	EA 16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.85	6.70
08 71 11 00-1719	EA 16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.49	6.70
08 71 11 00-1720	EA 16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.73	7.09
08 71 11 00-1721	EA 16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.37	7.09
08 71 11 00-1722	EA 16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.03	7.09
08 71 11 00-1723	EA 16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.26	7.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1724	EA	16" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.88	7.48
08 71 11 00-1725	EA	16" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.54	7.48
08 71 11 00-1726	EA	18" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.01	6.30
08 71 11 00-1727	EA	18" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.00	6.30
08 71 11 00-1728	EA	18" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.97	6.30
08 71 11 00-1729	EA	18" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.97	6.30
08 71 11 00-1730	EA	18" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	137.70	6.70
08 71 11 00-1731	EA	18" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.49	6.70
08 71 11 00-1732	EA	18" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.48	6.70
08 71 11 00-1733	EA	18" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.45	6.70
08 71 11 00-1734	EA	18" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.03	7.09
08 71 11 00-1735	EA	18" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.01	7.09
08 71 11 00-1736	EA	18" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.98	7.09
08 71 11 00-1737	EA	18" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.54	7.48
08 71 11 00-1738	EA	18" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.51	7.48
08 71 11 00-1739	EA	18" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.51	7.48
08 71 11 00-1740	EA	20" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.23	6.70
08 71 11 00-1741	EA	20" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.55	6.70
08 71 11 00-1742	EA	20" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.85	6.70
08 71 11 00-1743	EA	20" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.17	6.70
08 71 11 00-1744	EA	20" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.07	7.09
08 71 11 00-1745	EA	20" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.37	7.09
08 71 11 00-1746	EA	20" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.69	7.09
08 71 11 00-1747	EA	20" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.01	7.09
08 71 11 00-1748	EA	20" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.88	7.48
08 71 11 00-1749	EA	20" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.20	7.48
08 71 11 00-1750	EA	20" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.50	7.48
08 71 11 00-1751	EA	20" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	104.40	7.88
08 71 11 00-1752	EA	20" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.72	7.88
08 71 11 00-1753	EA	20" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.02	7.88
08 71 11 00-1754	EA	22" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.89	6.70
08 71 11 00-1755	EA	22" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.51	6.70
08 71 11 00-1756	EA	22" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.16	6.70
08 71 11 00-1757	EA	22" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.79	6.70
08 71 11 00-1758	EA	22" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.04	7.09
08 71 11 00-1759	EA	22" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.69	7.09
08 71 11 00-1760	EA	22" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.32	7.09
08 71 11 00-1761	EA	22" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.97	7.09
08 71 11 00-1762	EA	22" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.17	7.48
08 71 11 00-1763	EA	22" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.82	7.48
08 71 11 00-1764	EA	22" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	106.48	7.48
08 71 11 00-1765	EA	22" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.68	7.88
08 71 11 00-1766	EA	22" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	115.34	7.88
08 71 11 00-1767	EA	22" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	118.96	7.88
08 71 11 00-1768	EA	24" x 22"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.51	6.70
08 71 11 00-1769	EA	24" x 24"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.49	6.70
08 71 11 00-1770	EA	24" x 26"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.48	6.70
08 71 11 00-1771	EA	24" x 28"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.45	6.70
08 71 11 00-1772	EA	24" x 30"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.01	7.09
08 71 11 00-1773	EA	24" x 32"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.97	7.09
08 71 11 00-1774	EA	24" x 34"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.95	7.09
08 71 11 00-1775	EA	24" x 36"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.94	7.09
08 71 11 00-1776	EA	24" x 38"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.48	7.48
08 71 11 00-1777	EA	24" x 40"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	109.44	7.48
08 71 11 00-1778	EA	24" x 42"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.42	7.48
08 71 11 00-1779	EA	24" x 44"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	118.96	7.88
08 71 11 00-1780	EA	24" x 46"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.97	7.88
08 71 11 00-1781	EA	24" x 48"	1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.94	7.88

08 71 11 00-1782 Mop Plate (08 71 11 00-0760)
 Note: Ives 8400.

08 71 11 00-1783 Aluminum Base Material Mop Plate (08 71 11 00-1782)

08 71 11 00-1784 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1783)

08 71 11 00-1785	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	31.86	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1786	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	32.69	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1787	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.48	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1788	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.31	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1789	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.07	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1790	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.86	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1791	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.69	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1792	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.48	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1793	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.66	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1794	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.47	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1795	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.27	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1796	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.65	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1797	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.48	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1798	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.27	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1799	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.33	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1800	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.54	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1801	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.77	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1802	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	39.98	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1803	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.15	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1804	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	43.35	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1805	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.60	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1806	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.80	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1807	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.37	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1808	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.59	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1809	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	50.82	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1810	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	53.60	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1811	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	54.83	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1812	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.03	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1813 Brass Base Material Mop Plate (08 71 11 00-1792)

08 71 11 00-1814 Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1813)

08 71 11 00-1815	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	49.01	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1816	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	51.41	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1817	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	53.77	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1818	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	56.15	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1819	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	59.46	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1820	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	61.82	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1821	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	64.20	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1822	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	66.57 1.76 11.40	5.99
08 71 11 00-1823	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	70.30 1.76 11.40	6.30
08 71 11 00-1824	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	72.67 1.76 11.40	6.30
08 71 11 00-1825	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	75.03 1.76 11.40	6.30
08 71 11 00-1826	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	78.98 1.76 11.40	6.70
08 71 11 00-1827	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.35 1.76 11.40	6.70
08 71 11 00-1828	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	83.74 1.76 11.40	6.70
08 71 11 00-1829	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	62.08 1.76 11.40	5.76
08 71 11 00-1830	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.63 1.76 11.40	5.76
08 71 11 00-1831	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	69.19 1.76 11.40	5.76
08 71 11 00-1832	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	72.74 1.76 11.40	5.76
08 71 11 00-1833	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.24 1.76 11.40	5.99
08 71 11 00-1834	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	80.82 1.76 11.40	5.99
08 71 11 00-1835	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	84.36 1.76 11.40	5.99
08 71 11 00-1836	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	87.93 1.76 11.40	5.99
08 71 11 00-1837	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.82 1.76 11.40	6.30
08 71 11 00-1838	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.40 1.76 11.40	6.30
08 71 11 00-1839	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.96 1.76 11.40	6.30
08 71 11 00-1840	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.08 1.76 11.40	6.70
08 71 11 00-1841	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.64 1.76 11.40	6.70
08 71 11 00-1842	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	112.19 1.76 11.40	6.70
08 71 11 00-1843			Bright/Satin Chrome Finish, Brass Mop Plate (08 71 11 00-1813)		
08 71 11 00-1844	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	51.48 1.76 11.40	5.76
08 71 11 00-1845	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	54.07 1.76 11.40	5.76
08 71 11 00-1846	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	56.67 1.76 11.40	5.76
08 71 11 00-1847	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	59.26 1.76 11.40	5.76
08 71 11 00-1848	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	62.79 1.76 11.40	5.99
08 71 11 00-1849	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.39 1.76 11.40	5.99
08 71 11 00-1850	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.99 1.76 11.40	5.99
08 71 11 00-1851	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	70.57 1.76 11.40	5.99

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1852	EA 4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.52 1.76 11.40	6.30
08 71 11 00-1853	EA 4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.13 1.76 11.40	6.30
08 71 11 00-1854	EA 4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.73 1.76 11.40	6.30
08 71 11 00-1855	EA 4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.90 1.76 11.40	6.70
08 71 11 00-1856	EA 4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.48 1.76 11.40	6.70
08 71 11 00-1857	EA 4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.08 1.76 11.40	6.70
08 71 11 00-1858	EA 6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.75 1.76 11.40	5.76
08 71 11 00-1859	EA 6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.63 1.76 11.40	5.76
08 71 11 00-1860	EA 6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.53 1.76 11.40	5.76
08 71 11 00-1861	EA 6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.44 1.76 11.40	5.76
08 71 11 00-1862	EA 6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.25 1.76 11.40	5.99
08 71 11 00-1863	EA 6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.16 1.76 11.40	5.99
08 71 11 00-1864	EA 6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.04 1.76 11.40	5.99
08 71 11 00-1865	EA 6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.94 1.76 11.40	5.99
08 71 11 00-1866	EA 6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.20 1.76 11.40	6.30
08 71 11 00-1867	EA 6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.07 1.76 11.40	6.30
08 71 11 00-1868	EA 6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.98 1.76 11.40	6.30
08 71 11 00-1869	EA 6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.42 1.76 11.40	6.70
08 71 11 00-1870	EA 6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.33 1.76 11.40	6.70
08 71 11 00-1871	EA 6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.22 1.76 11.40	6.70
08 71 11 00-1872	Satin/Dark Bronze Finish, Brass Mop Plate (08 71 11 00-1813)		
08 71 11 00-1873	EA 4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.95 1.76 11.40	5.76
08 71 11 00-1874	EA 4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.58 1.76 11.40	5.76
08 71 11 00-1875	EA 4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.23 1.76 11.40	5.76
08 71 11 00-1876	EA 4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.86 1.76 11.40	5.76
08 71 11 00-1877	EA 4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.44 1.76 11.40	5.99
08 71 11 00-1878	EA 4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.09 1.76 11.40	5.99
08 71 11 00-1879	EA 4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.73 1.76 11.40	5.99
08 71 11 00-1880	EA 4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.38 1.76 11.40	5.99
08 71 11 00-1881	EA 4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.34 1.76 11.40	6.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1882	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.99 1.76 11.40	6.30
08 71 11 00-1883	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.63 1.76 11.40	6.30
08 71 11 00-1884	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.85 1.76 11.40	6.70
08 71 11 00-1885	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.49 1.76 11.40	6.70
08 71 11 00-1886	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.11 1.76 11.40	6.70
08 71 11 00-1887	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.45 1.76 11.40	5.76
08 71 11 00-1888	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.44 1.76 11.40	5.76
08 71 11 00-1889	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.39 1.76 11.40	5.76
08 71 11 00-1890	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.05 1.76 11.40	5.76
08 71 11 00-1891	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.24 1.76 11.40	5.99
08 71 11 00-1892	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.19 1.76 11.40	5.99
08 71 11 00-1893	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.14 1.76 11.40	5.99
08 71 11 00-1894	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.09 1.76 11.40	5.99
08 71 11 00-1895	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.43 1.76 11.40	6.30
08 71 11 00-1896	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.38 1.76 11.40	6.30
08 71 11 00-1897	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.33 1.76 11.40	6.30
08 71 11 00-1898	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.85 1.76 11.40	6.70
08 71 11 00-1899	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.81 1.76 11.40	6.70
08 71 11 00-1900	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.76 1.76 11.40	6.70
08 71 11 00-1901			Satin Nickel Finish, Brass Mop Plate <small>(08 71 11 00-1813)</small>		
08 71 11 00-1902	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.51 1.76 11.40	5.76
08 71 11 00-1903	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.17 1.76 11.40	5.76
08 71 11 00-1904	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.88 1.76 11.40	5.76
08 71 11 00-1905	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.57 1.76 11.40	5.76
08 71 11 00-1906	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.20 1.76 11.40	5.99
08 71 11 00-1907	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.88 1.76 11.40	5.99
08 71 11 00-1908	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.57 1.76 11.40	5.99
08 71 11 00-1909	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.26 1.76 11.40	5.99
08 71 11 00-1910	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.32 1.76 11.40	6.30
08 71 11 00-1911	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.00 1.76 11.40	6.30

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1912	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	81.68	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1913	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	85.95	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1914	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	88.65	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1915	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	91.31	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1916	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	67.29	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1917	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.32	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1918	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	75.35	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1919	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	79.39	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1920	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	84.36	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1921	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	88.39	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1922	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	92.42	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1923	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	96.46	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1924	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	101.84	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1925	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	105.89	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1926	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	109.92	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1927	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	115.52	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1928	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	119.55	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1929	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	123.59	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1930		Stainless Base Material Mop Plate (08 71 11 00-1782)		
08 71 11 00-1931		Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1930)		
08 71 11 00-1932	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	32.44	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1933	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	33.28	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1934	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	34.15	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1935	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	35.01	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1936	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.82	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1937	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.69	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1938	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.53	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1939	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	39.40	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1940	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.61	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1941	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.48	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1942	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.35 1.76 11.40	6.30
08 71 11 00-1943	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.76 1.76 11.40	6.70
08 71 11 00-1944	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.63 1.76 11.40	6.70
08 71 11 00-1945	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.49 1.76 11.40	6.70
08 71 11 00-1946	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.15 1.76 11.40	5.76
08 71 11 00-1947	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.46 1.76 11.40	5.76
08 71 11 00-1948	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.75 1.76 11.40	5.76
08 71 11 00-1949	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.06 1.76 11.40	5.76
08 71 11 00-1950	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.27 1.76 11.40	5.99
08 71 11 00-1951	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.57 1.76 11.40	5.99
08 71 11 00-1952	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.87 1.76 11.40	5.99
08 71 11 00-1953	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.16 1.76 11.40	5.99
08 71 11 00-1954	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.82 1.76 11.40	6.30
08 71 11 00-1955	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.10 1.76 11.40	6.30
08 71 11 00-1956	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.39 1.76 11.40	6.30
08 71 11 00-1957	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.27 1.76 11.40	6.70
08 71 11 00-1958	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.54 1.76 11.40	6.70
08 71 11 00-1959	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.85 1.76 11.40	6.70
08 71 11 00-1960			Bright Stainless Finish, Stainless Mop Plate <small>(08 71 11 00-1930)</small>		
08 71 11 00-1961	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.03 1.76 11.40	5.76
08 71 11 00-1962	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.96 1.76 11.40	5.76
08 71 11 00-1963	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.89 1.76 11.40	5.76
08 71 11 00-1964	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.79 1.76 11.40	5.76
08 71 11 00-1965	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.66 1.76 11.40	5.99
08 71 11 00-1966	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.57 1.76 11.40	5.99
08 71 11 00-1967	EA		4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.50 1.76 11.40	5.99
08 71 11 00-1968	EA		4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.43 1.76 11.40	5.99
08 71 11 00-1969	EA		4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.68 1.76 11.40	6.30
08 71 11 00-1970	EA		4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.61 1.76 11.40	6.30
08 71 11 00-1971	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.54 1.76 11.40	6.30

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 71 11 00-1972	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	69.02	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1973	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	70.95	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1974	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	72.85	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1975	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	54.58	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1976	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	57.49	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1977	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.37	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1978	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	63.25	5.76
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1979	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	67.05	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1980	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	69.93	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1981	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	72.81	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1982	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.69	5.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1983	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	79.93	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1984	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	82.81	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1985	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	85.69	6.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1986	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	90.14	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1987	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	93.00	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1988	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	95.88	6.70
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1989 Plastic Mop Plate (08 71 11 00-1782)

08 71 11 00-1990 Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-1989)

Note: With four beveled edges.

08 71 11 00-1991	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	30.83	5.76
		Note: 4 sides beveled.		
08 71 11 00-1992	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	31.55	5.76
		Note: 4 sides beveled.		
08 71 11 00-1993	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	32.28	5.76
		Note: 4 sides beveled.		
08 71 11 00-1994	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	33.00	5.76
		Note: 4 sides beveled.		
08 71 11 00-1995	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	34.65	5.99
		Note: 4 sides beveled.		
08 71 11 00-1996	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	35.37	5.99
		Note: 4 sides beveled.		
08 71 11 00-1997	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	36.09	5.99
		Note: 4 sides beveled.		
08 71 11 00-1998	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	36.82	5.99
		Note: 4 sides beveled.		
08 71 11 00-1999	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	38.88	6.30
		Note: 4 sides beveled.		
08 71 11 00-2000	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	39.60	6.30
		Note: 4 sides beveled.		
08 71 11 00-2001	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	40.31	6.30
		Note: 4 sides beveled.		
08 71 11 00-2002	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	42.60	6.70
		Note: 4 sides beveled.		
08 71 11 00-2003	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	43.33	6.70
		Note: 4 sides beveled.		
08 71 11 00-2004	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	44.05	6.70
		Note: 4 sides beveled.		
08 71 11 00-2005	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	34.79	5.76
		Note: 4 sides beveled.		
08 71 11 00-2006	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	35.88	5.76
		Note: 4 sides beveled.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2007	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	36.95	5.76
08 71 11 00-2008	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	38.02	5.76
08 71 11 00-2009	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	40.05	5.99
08 71 11 00-2010	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	41.13	5.99
08 71 11 00-2011	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	42.20	5.99
08 71 11 00-2012	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	43.27	5.99
08 71 11 00-2013	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	45.71	6.30
08 71 11 00-2014	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	46.79	6.30
08 71 11 00-2015	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	47.86	6.30
08 71 11 00-2016	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	50.52	6.70
08 71 11 00-2017	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	51.59	6.70
08 71 11 00-2018	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	52.67	6.70
08 71 11 00-2019			Armor Door Plate (08 71 11 00-0760) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2020	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	16.88	0.99
08 71 11 00-2021	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	16.01	0.77
08 71 11 00-2022	SF		4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	18.69	0.99
08 71 11 00-2023	SF		>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	17.82	0.77
08 71 11 00-2024	SF		4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	36.81	0.99
08 71 11 00-2025	SF		>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	35.94	0.77
08 71 11 00-2026			Pull Handle And Plates (08 71 11 00-0760)		
08 71 11 00-2027			Pull Handle (08 71 11 00-2026)		
08 71 11 00-2028	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6).....	39.06	6.50
			<i>For Stainless Steel, Add</i>	5.49	
			<i>For Brass, Add</i>	7.44	
			<i>For Bronze Anodized, Add</i>	2.35	
08 71 11 00-2029	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8).....	40.75	6.50
			<i>For Stainless Steel, Add</i>	6.20	
			<i>For Brass, Add</i>	8.41	
			<i>For Bronze Anodized, Add</i>	2.66	
08 71 11 00-2030	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10).....	43.42	6.50
			<i>For Stainless Steel, Add</i>	7.32	
			<i>For Brass, Add</i>	9.93	
			<i>For Bronze Anodized, Add</i>	3.14	
08 71 11 00-2031	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8).....	44.91	6.50
			<i>For Stainless Steel, Add</i>	7.94	
			<i>For Brass, Add</i>	10.78	
			<i>For Bronze Anodized, Add</i>	3.40	
08 71 11 00-2032	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10).....	47.59	6.50
			<i>For Stainless Steel, Add</i>	9.07	
			<i>For Brass, Add</i>	12.31	
			<i>For Bronze Anodized, Add</i>	3.89	
08 71 11 00-2033	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12).....	51.06	6.50
			<i>For Stainless Steel, Add</i>	10.53	
			<i>For Brass, Add</i>	14.28	
			<i>For Bronze Anodized, Add</i>	4.51	
08 71 11 00-2034	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6).....	40.88	6.50
			<i>For Stainless Steel, Add</i>	6.25	
			<i>For Brass, Add</i>	8.48	
			<i>For Bronze Anodized, Add</i>	2.68	
08 71 11 00-2035	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8).....	44.58	6.50
			<i>For Stainless Steel, Add</i>	7.80	
			<i>For Brass, Add</i>	10.59	
			<i>For Bronze Anodized, Add</i>	3.34	
08 71 11 00-2036	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10).....	45.19	6.50
			<i>For Stainless Steel, Add</i>	8.06	
			<i>For Brass, Add</i>	10.94	
			<i>For Bronze Anodized, Add</i>	3.45	
08 71 11 00-2037	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	82.53	6.50
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	10.68	
			<i>For Brass, Add</i>	9.84	
08 71 11 00-2038	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	84.82	6.50
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	11.12	
			<i>For Brass, Add</i>	10.23	
08 71 11 00-2039	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	89.42	6.50
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	11.99	
			<i>For Brass, Add</i>	11.04	
08 71 11 00-2040	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	116.05	6.50
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	17.02	
			<i>For Brass, Add</i>	15.67	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2041		Pull Plate (08 71 11 00-2026)		
08 71 11 00-2042	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	56.92	4.93
		For Stainless Steel, Add	21.96	
		For Brass, Add	27.92	
		For Bronze Anodized, Add	6.70	
08 71 11 00-2043	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	58.22	4.93
		For Stainless Steel, Add	22.73	
		For Brass, Add	28.89	
		For Bronze Anodized, Add	6.93	
08 71 11 00-2044	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	61.17	4.93
		For Stainless Steel, Add	24.47	
		For Brass, Add	31.10	
		For Bronze Anodized, Add	7.46	
08 71 11 00-2045		Push Bars And Plates (08 71 11 00-0760)		
08 71 11 00-2046		Push Bars (08 71 11 00-2045)		
08 71 11 00-2047	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	178.14	4.93
		Note: Up to 34" wide. All finishes.		
08 71 11 00-2048	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	145.74	4.93
		For Brass Push Bar, Add	21.93	
08 71 11 00-2049	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	151.03	4.93
		For Brass Push Bar, Add	22.85	
08 71 11 00-2050	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	282.37	4.93
		For Brass Push Bar, Add	45.70	
08 71 11 00-2051		Push Plates (08 71 11 00-2045)		
08 71 11 00-2052		Aluminum Push Plates (08 71 11 00-2051)		
08 71 11 00-2053		Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2052)		
		Note: Ives 8200 Series.		
08 71 11 00-2054	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.05	4.93
08 71 11 00-2055	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.05	4.93
08 71 11 00-2056	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.05	4.93
08 71 11 00-2057	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	31.42	4.93
08 71 11 00-2058		Stainless Steel Push Plates (08 71 11 00-2051)		
08 71 11 00-2059		Satin Finish, Stainless Steel Push Plates (08 71 11 00-2058)		
		Note: Ives 8200 Series.		
08 71 11 00-2060	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	29.05	4.93
08 71 11 00-2061	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	30.87	4.93
08 71 11 00-2062	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	35.03	4.93
08 71 11 00-2063	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	41.17	4.93
08 71 11 00-2064		Brass Push Plates (08 71 11 00-2051)		
08 71 11 00-2065		Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2064)		
		Note: Ives 8200 Series.		
08 71 11 00-2066	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	34.61	4.93
08 71 11 00-2067	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	39.28	4.93
08 71 11 00-2068	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	50.53	4.93
08 71 11 00-2069	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	57.92	4.93
08 71 11 00-2070		Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2064)		
		Note: Ives 8200 Series.		
08 71 11 00-2071	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	38.34	4.93
08 71 11 00-2072	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	42.14	4.93
08 71 11 00-2073	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	52.44	4.93
08 71 11 00-2074	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	62.60	4.93
08 71 11 00-2075		Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2064)		
		Note: Ives 8200 Series.		
08 71 11 00-2076	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	38.34	4.93
08 71 11 00-2077	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	42.14	4.93
08 71 11 00-2078	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	54.26	4.93
08 71 11 00-2079	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	63.61	4.93
08 71 11 00-2080		Satin Nickel Finish, Brass Push Plates (08 71 11 00-2064)		
		Note: Ives 8200 Series.		
08 71 11 00-2081	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware.....	38.34	4.93
08 71 11 00-2082	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	43.09	4.93
08 71 11 00-2083	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	57.14	4.93
08 71 11 00-2084	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware.....	66.49	4.93
08 71 11 00-2085		Exit Devices (08 71 11)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2086			Push Bar Exit Device, Von Duprin Series 22 <small>(08 71 11 00-2085)</small> Note: Grade 1, BHMA 156.3.		
08 71 11 00-2087	EA		3' Push Bar, Rim Type, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.	566.58	88.65
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2088	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.	631.91	88.65
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2089	EA		3' Push Bar, Surface Vertical Rods, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.	825.34	106.38
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2090	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.	988.06	98.50
			<i>For 4' Push Bar, Add</i>	13.00	
08 71 11 00-2091	EA		Dummy Trim (Von Duprin Series 22, 210DT) Note: Anodized finish: aluminum or dark brown.	76.32	14.77
08 71 11 00-2092	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) Note: Anodized finish: aluminum or dark brown.	171.93	19.70
08 71 11 00-2093	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) Note: Anodized finish: aluminum or dark brown.	319.11	29.55
08 71 11 00-2094	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) Note: Anodized finish: aluminum or dark brown.	316.10	29.55
08 71 11 00-2095	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) Note: Anodized finish: aluminum or dark brown.	315.35	29.55
08 71 11 00-2096	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) Note: Anodized finish: aluminum or dark brown.	245.28	29.55
08 71 11 00-2097	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO) Note: Anodized finish: aluminum or dark brown.	99.32	11.82
08 71 11 00-2098	EA		Dummy Trim (Von Duprin Series 22, 230DT) Note: Anodized finish: aluminum or dark brown.	114.73	14.77
08 71 11 00-2099	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) Note: Anodized finish: aluminum or dark brown.	211.86	19.70
08 71 11 00-2100	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) Note: Anodized finish: aluminum or dark brown.	242.28	29.55
08 71 11 00-2101	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) Note: Anodized finish: aluminum or dark brown.	241.52	29.55
08 71 11 00-2102			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 11 00-2085)</small> Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2103	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 33/35.	1,076.38	88.65
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	86.01	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	165.05	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	31.92	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	245.27	
08 71 11 00-2104	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,464.92	106.38
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	120.96	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	232.11	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	44.89	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	344.92	
08 71 11 00-2105	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,493.54	106.38
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	123.89	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	237.74	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	45.97	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	353.28	
08 71 11 00-2106	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,518.81	122.14
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	122.04	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	234.18	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	45.29	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	348.00	
08 71 11 00-2107	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,592.63	122.14
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	129.60	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	248.69	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	48.09	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	369.56	
08 71 11 00-2108	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,695.84	122.14
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	140.17	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	268.97	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	52.01	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	399.69	
08 71 11 00-2109	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,769.66	122.14
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	147.73	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	283.48	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	54.82	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	421.25	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2110	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	241.29 39.67 7.67 58.95	14.77
08 71 11 00-2111	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	303.76 48.85 9.45 72.59	19.70
08 71 11 00-2112	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	485.31 84.52 16.35 125.60	19.70
08 71 11 00-2113	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	607.64 103.92 20.10 154.42	29.55
08 71 11 00-2114	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	583.53 99.18 19.18 147.38	29.55
08 71 11 00-2115	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	572.23 96.96 18.75 144.08	29.55
08 71 11 00-2116	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	577.51 98.00 18.95 145.62	29.55

08 71 11 00-2117 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2085)

Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

08 71 11 00-2118	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	951.33 13.00 43.61 69.35 110.81 226.63 71.49 105.09 47.65 199.49 132.78 121.99 461.68 61.63 222.36	88.65
08 71 11 00-2119	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,076.38 13.00 51.24 81.48 130.20 266.27 84.00 123.48 461.68 61.63 222.36	88.65
08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,034.94 13.00 48.71 77.46 123.77 253.13 79.85 117.38 47.65 199.49 132.78 121.99 461.68 61.63 222.36	88.65

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2121 EA 3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F).....	1,156.98	88.65
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.15	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.30	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	142.69	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	291.82	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	92.06	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	135.32	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2122 EA 3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	1,351.17	106.38
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	65.12	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.55	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	165.46	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	338.39	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.75	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	156.92	
For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
For Special Center Case Dogging (SD), Add	199.49	
For Cylinder Dogging Indicator (CI), Add	132.78	
For Dogging Indicator (DI), Add	121.99	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2123 EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F).....	1,520.67	106.38
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	75.46	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	119.99	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	191.73	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	392.12	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	123.70	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	181.84	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2124 EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947).....	1,422.38	122.14
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.87	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.25	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.78	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	347.23	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.54	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.02	
For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
For Special Center Case Dogging (SD), Add	199.49	
For Cylinder Dogging Indicator (CI), Add	132.78	
For Dogging Indicator (DI), Add	121.99	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2125 EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	1,595.65	122.14
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	117.98	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.06	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	196.64	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	402.15	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.86	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	186.49	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2126 EA 3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948).....	1,599.41	122.14
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.33	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.42	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.22	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	403.34	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.24	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	187.04	
For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
For Special Center Case Dogging (SD), Add	199.49	
For Cylinder Dogging Indicator (CI), Add	132.78	
For Dogging Indicator (DI), Add	121.99	
For Quiet Electric Latch Retraction (QEL), Add	461.68	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
For Safety Glow Touchpad, Add	222.36	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F).....	1,772.68	122.14
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	134.45	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	140.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	224.08	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	458.27	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	144.57	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	212.51	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC).....	1,548.18	122.14
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	113.57	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.45	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	189.28	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	387.10	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.12	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	179.51	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Cylinder Dogging Indicator (CI), Add	132.78	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	1,743.30	122.14
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	131.71	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	137.38	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	219.52	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	448.96	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	141.63	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	208.19	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2130	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957).....	1,681.13	106.38
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.24	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	135.55	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	216.60	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	442.99	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.74	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	205.42	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Cylinder Dogging Indicator (CI), Add	132.78	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2131	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F).....	1,793.38	106.38
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	92.09	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.44	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.00	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	478.57	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	150.97	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	221.92	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Cylinder Dogging Indicator (CI), Add	132.78	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2132	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	1,340.38	110.33
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	38.66	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.35	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	161.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	331.23	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.49	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	153.60	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Cylinder Dogging Indicator (CI), Add	132.78	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2133	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	1,467.69	110.33
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.37	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	181.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	371.58	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	117.22	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	172.31	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2134	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	1,475.86	122.14
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	106.84	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	111.44	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	178.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	364.18	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	114.88	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	168.88	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2135	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849-F/9949-F)	1,602.42	122.14
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.61	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.71	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	404.30	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.54	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	187.48	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2136	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	1,606.94	122.14
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	119.03	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	124.15	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	198.39	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	405.73	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.99	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	188.15	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2137	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	1,832.94	122.14
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.05	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.07	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	233.42	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	477.37	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	150.59	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	221.37	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
			For Special Center Case Dogging (SD), Add	199.49	
			For Cylinder Dogging Indicator (CI), Add	132.78	
			For Dogging Indicator (DI), Add	121.99	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2138	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99).....	2,086.07	102.44
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	280.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	573.85	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	181.03	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	67.34	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.67	
			For Center Case Dogging (CD-CX), Add	215.37	
			For Quiet Electric Latch Retraction (QEL), Add	461.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
			For Safety Glow Touchpad, Add	222.36	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	2,211.13	102.44
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	299.97	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	613.50	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	193.53	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.99	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.90	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2140	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	2,483.00	126.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	331.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	678.45	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	214.02	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	79.62	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.46	
		For Center Case Dogging (CD-CX), Add	215.37	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	2,610.32	126.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	351.47	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	718.81	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	226.75	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	84.35	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	94.78	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2142	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	1,347.81	102.44
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	166.16	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	339.82	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	107.20	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.88	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.53	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	1,472.86	102.44
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	185.54	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	379.46	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.71	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.53	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.71	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2144	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	1,744.74	126.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.30	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	444.42	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.20	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	52.15	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.47	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.65	
		For Special Center Case Dogging (SD), Add	199.49	
		For Dogging Indicator (DI), Add	121.99	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	1,872.05	126.08
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	237.04	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	484.78	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.93	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.89	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.78	
		For Quiet Electric Latch Retraction (QEL), Add	461.68	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.63	
		For Safety Glow Touchpad, Add	222.36	
08 71 11 00-2146	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	111.57	11.82
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.40	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.60	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2147	EA		Dummy Trim (Von Duprin Series 98/99, 990DT) 163.92		14.77
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.60	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	21.17	
08 71 11 00-2148	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) 262.40		19.70
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.33	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.23	
08 71 11 00-2149	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) 188.58		19.70
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.68	
08 71 11 00-2150	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) 440.42		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.85	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.27	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	61.48	
08 71 11 00-2151	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) 366.60		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.63	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.93	
08 71 11 00-2152	EA		Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE) 366.60		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.63	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.93	
08 71 11 00-2153	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) 376.89		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.94	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.41	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.68	
08 71 11 00-2154	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL) 303.06		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.73	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.12	
08 71 11 00-2155	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT) 303.06		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.73	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	38.12	
08 71 11 00-2156	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) 366.73		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.64	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.96	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.95	
08 71 11 00-2157	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K) 292.91		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.42	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.63	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.40	
08 71 11 00-2158	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE) 292.91		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.42	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.63	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.40	
08 71 11 00-2159	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL) 361.01		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.47	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.70	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	47.98	
08 71 11 00-2160	EA		Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL) 287.19		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.25	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.38	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.43	
08 71 11 00-2161	EA		Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT) 287.19		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.25	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.38	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.43	
08 71 11 00-2162	EA		Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP) 329.88		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.53	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.30	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	42.68	
08 71 11 00-2163	EA		Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP) 256.05		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.32	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.98	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.13	
08 71 11 00-2164	EA		Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE) 256.05		29.55
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.32	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.98	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.13	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2165	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	276.17	29.55
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.92	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.88	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	33.55	
08 71 11 00-2166		Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2085)		
08 71 11 00-2167	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	734.94	29.55
08 71 11 00-2168	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	521.98	29.55
		For Battery Backup (Includes Board And 2 Batteries), Add	56.01	
		For Fire Alarm Interface, Add	28.00	
		For 2 Relay Panic Device Control Board, Add	64.97	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	76.17	
		For 4 Relay Output Board, Add	62.73	
		For 4 Relay Logic Board, Add	172.04	
		For Fused 8 Zone Distribution Board, Add	22.40	
08 71 11 00-2169	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	487.57	29.55
08 71 11 00-2170	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	268.96	29.55
		For Battery Backup (Includes Board And 2 Batteries), Add	56.01	
		For Fire Alarm Interface, Add	28.00	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	76.17	
		For 4 Relay Output Board, Add	62.73	
		For 4 Relay Logic Board, Add	172.04	
		For Fused 8 Zone Distribution Board, Add	22.40	
08 71 11 00-2171	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	437.24	29.55
		For Battery Backup (Includes Board And 2 Batteries), Add	56.01	
		For Fire Alarm Interface, Add	28.00	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	76.17	
		For 4 Relay Output Board, Add	62.73	
		For 4 Relay Logic Board, Add	172.04	
		For Fused 8 Zone Distribution Board, Add	22.40	
08 71 11 00-2172	EA	Request to Exit Push Pad Monitor Switch (RX)	160.74	19.70
08 71 11 00-2173		Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2085)		
08 71 11 00-2174	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....	425.33	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-346.53	
08 71 11 00-2175	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....	452.45	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-373.65	
08 71 11 00-2176	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....	744.98	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-666.18	
08 71 11 00-2177	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	730.37	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-635.81	
08 71 11 00-2178	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	757.49	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-662.93	
08 71 11 00-2179	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	817.01	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-722.45	
08 71 11 00-2180	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	615.17	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-536.37	
08 71 11 00-2181	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	643.05	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-564.25	
08 71 11 00-2182	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	699.55	19.70
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-620.75	
08 71 11 00-2183	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	949.59	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-855.03	
08 71 11 00-2184	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	977.47	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-882.91	
08 71 11 00-2185	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	1,853.37	23.64
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-1,758.81	
08 71 11 00-2186	EA	Mullion Stabilizer Set (Von Duprin 154)	88.02	15.76
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	-56.50	
08 71 11 00-2187		Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 11 00-2085)		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2188	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	1,675.28	88.65
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	181.30	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	208.64	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	274.82	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	299.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2189	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,155.38 230.37 265.11 349.21 380.30	122.14
08 71 11 00-2190	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,359.53 256.10 294.71 388.21 422.76	122.14
08 71 11 00-2191	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,205.85 236.73 272.43 358.85 390.79	122.14
08 71 11 00-2192	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,403.97 261.69 301.16 396.70 432.00	122.14
08 71 11 00-2193	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,668.07 172.94 199.02 262.16 285.49	110.33
08 71 11 00-2194	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,801.41 189.74 218.36 287.63 313.23	110.33
08 71 11 00-2195	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	287.25 31.23 35.94 47.34 51.55	14.77
08 71 11 00-2196	EA		Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	125.22 8.83 10.16 13.38 14.57	20.88
08 71 11 00-2197	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	486.07 54.29 62.48 82.30 89.63	20.88
08 71 11 00-2198	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	518.75 55.43 63.79 84.03 91.51	29.55
08 71 11 00-2199	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	420.81 43.09 49.59 65.32 71.14	29.55
08 71 11 00-2200	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	518.75 55.43 63.79 84.03 91.51	29.55
08 71 11 00-2201	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	598.60 65.49 75.37 99.28 108.12	29.55
08 71 11 00-2202			Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2085) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2203	EA		42" Crossbar, Rim Type, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,052.27 25.29 26.11 222.73	88.65

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2204	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,232.32	88.65
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	30.87	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	31.87	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	271.88	
08 71 11 00-2205	EA	42" Crossbar, Surface Vertical Rods, Exit Device.....	1,363.97	106.38
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	33.49	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	34.57	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	294.92	
08 71 11 00-2206	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device.....	1,753.44	106.38
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	45.56	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	47.03	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	401.24	
08 71 11 00-2207	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,309.30	122.14
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	30.45	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	31.43	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	268.16	
08 71 11 00-2208	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	1,663.45	122.14
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	41.43	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	42.77	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	364.84	
08 71 11 00-2209	EA	42" Crossbar, Mortise Lock, Exit Device	1,410.43	110.33
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	34.56	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	35.68	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	304.38	
08 71 11 00-2210	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	1,502.34	110.33
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	37.41	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	38.62	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	329.47	
08 71 11 00-2211	EA	Dummy Trim (Von Duprin Series 88, DT)	158.43	14.77
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	3.69	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	3.81	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	32.50	
08 71 11 00-2212	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL).....	254.79	19.70
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.19	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.39	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	54.50	
08 71 11 00-2213	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T).....	444.92	29.55
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	11.35	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	11.72	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	99.95	
08 71 11 00-2214	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	414.79	29.55
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	10.42	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.75	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	91.73	
08 71 11 00-2215	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	313.09	29.55
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.26	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	7.50	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	63.96	
08 71 11 00-2216	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP).....	313.09	29.55
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	7.26	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	7.50	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	63.96	
08 71 11 00-2217		Push Bar Exit Device (PDQ 6200 Series) (08 71 11 00-2085)		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2218	EA	3' Push Bar Exit Device, Rim Type (PDQ 6200R).....	593.70	88.65
		Note: Satin stainless steel US 32D (630 BHMA) finish.		
08 71 11 00-2219	EA	Grip Pull Passage Trim With Thumb Piece (PDQ 6 GW 15).....	248.44	29.55
		Note: Satin stainless steel US 32D (630 BHMA) finish.		
08 71 11 00-2220		Door Closers (08 71 11)		
		Note: Includes standard cover and arm.		
08 71 11 00-2221	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	354.32	22.85
		For Delayed Action, Add	12.60	
		For AVB (5 LB Per Push), Add	6.60	
		For Fusible Link Arm, Add	39.60	
		For Shock Absorbing Arm, Add	19.80	
		For Hold Open Arm, Add	13.80	
		For Plated Brass Finish, Add	101.40	
		For Plated Finish With Clear Coat, Add	127.20	
		For Parallel Arm, Add	22.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2222	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	434.94	22.85
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2223	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	447.76	22.85
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Spring Cush Arm, Add</i>	67.20	
			<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
			<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 11 00-2224	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	463.80	22.85
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2225	EA		Surface Mounted Standard Duty Door Closer (Norton 8301)	293.94	22.85
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2226	EA		Surface Mounted Standard Duty Door Closer (Norton 8501)	296.64	22.85
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2227	EA		Open In, Stainless Steel Door Closer (Tycoon EK-1)	1,279.42	15.76
			Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.		
			<i>For >24, Deduct</i>	-49.23	
08 71 11 00-2228	EA		Open Out, Stainless Steel Door Closer (Tycoon EK-1)	1,381.29	15.76
			Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.		
			<i>For >24, Deduct</i>	-53.40	
08 71 11 00-2229	EA		Removal And Replacement Of Stainless Steel Arm For Tycoon EK-1	850.11	
08 71 11 00-2230	EA		Removal And Replacement Of Stainless Steel Bearing For Tycoon EK-1	115.18	
08 71 11 00-2231	EA		Removal And Replacement Of Stainless Steel Cover (Box) For Tycoon EK-1	413.52	
08 71 11 00-2232	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer (PDQ 5301 BC PA).....	224.63	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	4.64	
08 71 11 00-2233	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Positive Stop And Hold (PDQ 5301 BC PA HO).....	271.72	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2234	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Positive Stop (PDQ 5301 BC DS).....	285.23	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.43	
08 71 11 00-2235	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Hold Open (PDQ 5301 BC DSHO).....	290.23	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2236	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer (PDQ 5501 BC PA).....	225.41	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2237	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Positive Stop And Hold (PDQ 5501 BC PA HO).....	272.49	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.43	
08 71 11 00-2238	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Positive Stop (PDQ 5501 BC DS).....	285.99	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	4.64	
08 71 11 00-2239	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Hold Open (PDQ 5501 BC DSHO)	291.01	22.85
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Delayed Action, Add</i>	3.44	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
08 71 11 00-2240			Concealed Door Closers (08 71 11)		
08 71 11 00-2241	EA		Non Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	997.76	67.77
08 71 11 00-2242	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,073.32	67.77
08 71 11 00-2243	EA		Concealed (In Door) Overhead Door Closer (LCN 3130)	513.91	27.58
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2244	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	558.11	27.58
			<i>For Delayed Action, Add</i>	12.60	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2245			Locks And Latches (08 71 11) Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2246			Locksmith Services (08 71 11 00-2245)		
08 71 11 00-2247	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.22	
			<i>For >50, Deduct</i>	-0.24	
08 71 11 00-2248	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	94.60	
			<i>For >5, Deduct</i>	-9.46	
08 71 11 00-2249	EA		Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	94.60	
			<i>For >5, Deduct</i>	-9.46	
08 71 11 00-2250	EA		Removal And Replacement Of Cylinder With New Cylinder	107.61	
			Note: Excludes core.		
			<i>For >5, Deduct</i>	-9.46	
08 71 11 00-2251	EA		Open Locked Doors.....	94.60	
08 71 11 00-2252	EA		Install Owner Furnished Cores And Cylinders	39.73	
08 71 11 00-2253			Mortise Locksets And Latchsets (08 71 11 00-2245) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2254	EA		Passage/Closet F01 Mortise Latchset	601.77	19.70
			Note: Both sides always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	17.26	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	15.69	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	26.15	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	184.61	
08 71 11 00-2255	EA		Bath/Bedroom Privacy F02/F19 Mortise Lockset	717.97	19.70
			Note: Locked with thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	21.09	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	19.18	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	31.96	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	225.63	
08 71 11 00-2256	EA		Entrance/Office F04 Mortise Lockset	800.16	19.70
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	23.80	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	21.64	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	36.07	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	254.64	
08 71 11 00-2257	EA		Classroom F05 Mortise Lockset.....	746.18	19.70
			Note: Locked with key outside. Inside always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	22.02	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.02	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	33.37	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	235.59	
			<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	54.43	
08 71 11 00-2258	EA		Storeroom/Closet F07 Mortise Lockset.....	746.18	19.70
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	22.02	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.02	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	33.37	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	235.59	
08 71 11 00-2259	EA		Entrance F08 Mortise Lockset	834.58	19.70
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	24.94	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	22.67	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	37.79	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	266.79	
08 71 11 00-2260	EA		Dormitory/Exit F13 Mortise Lockset.....	717.16	19.70
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	21.07	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	19.15	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	31.92	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	225.34	
08 71 11 00-2261			Locks And Latches (08 71 11 00-2245)		
08 71 11 00-2262			Preassembled Locks And Latches (08 71 11 00-2261) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2263	EA		Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210).....	1,119.85	19.70
			Note: Both sides always unlocked.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	31.82	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	53.04	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	374.44	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	197.30	
			<i>For Grade 2, Deduct</i>	-412.63	
08 71 11 00-2264	EA		Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	1,212.59	19.70
			Note: Locked with push button inside.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	34.60	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	57.67	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	407.18	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	214.55	
			<i>For Grade 2, Deduct</i>	-448.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2265	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261).....	1,378.88	19.70
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	39.59	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	65.99	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	465.88	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	245.48	
			For Grade 2, Deduct	-513.39	
08 71 11 00-2266	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255).....	1,378.88	19.70
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	39.59	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	65.99	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	465.88	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	245.48	
			For Grade 2, Deduct	-513.39	
08 71 11 00-2267	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257).....	1,378.88	19.70
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	39.59	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	65.99	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	465.88	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	245.48	
			For Grade 2, Deduct	-513.39	
08 71 11 00-2268			Bored Locks And Latches (08 71 11 00-2261)		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2269	EA		Passage/Closet F75 Bored Latchset	200.19	19.70
			Note: Both sides always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	3.64	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	6.07	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	42.85	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	22.58	
			For Grade 2, Deduct	-6.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.43	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2270	EA		Bath/Bedroom Privacy F76 Bored Lockset	229.14	19.70
			Note: Locked with push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.51	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.52	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	53.07	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	27.96	
			For Grade 2, Deduct	-7.52	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.01	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2271	EA		Entrance/Office F82 Bored Lockset	252.48	19.70
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30	
			For Grade 2, Deduct	-8.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2272	EA		Classroom F84 Bored Lockset.....	252.48	19.70
			Note: Locked with key outside. Inside always unlocked.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30	
			For Grade 2, Deduct	-8.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2273	EA		Storeroom/Closet F86 Bored Lockset.....	252.48	19.70
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30	
			For Grade 2, Deduct	-8.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2274	EA		Corridor/Dormitory F90 Bored Lockset	252.48	19.70
			Note: Locked with key outside and push button inside.		
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	5.21	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.68	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	61.31	
			For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	32.30	
			For Grade 2, Deduct	-8.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.47	
			For Interchangeable Core, Add	9.45	
08 71 11 00-2275			Other Locks (08 71 11 00-2245)		
			Note: BHMA A156.5.		
08 71 11 00-2276	PR		Screen Door - Hinges	23.64	6.83
08 71 11 00-2277	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	641.41	102.44
08 71 11 00-2278	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,447.77	204.89
08 71 11 00-2279			Pushbutton Combination Locks (08 71 11 00-2245)		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2280			Mechanical Pushbutton Combination Locks (08 71 11 00-2279) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2281			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2280) Note: Satin chrome or antique brass finish.		
08 71 11 00-2282	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	521.52	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2283	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series).....	559.50	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2284	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	574.69	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2285	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series).....	612.67	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2286	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	586.09	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2287	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series).....	624.07	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2288	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	639.26	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2289	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series).....	677.24	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2290			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) (08 71 11 00-2280) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2291	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	576.97	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2292	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	607.36	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2293	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	668.13	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2294	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	690.92	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2295	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	690.92	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2296	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	652.93	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2297			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) (08 71 11 00-2280) Note: Satin chrome or antique brass finish.		
08 71 11 00-2298	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	696.23	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2299	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	719.02	49.67
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2300			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) (08 71 11 00-2280) Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2301	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	303.50	49.67
08 71 11 00-2302	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	403.77	49.67
08 71 11 00-2303			Electrical Pushbutton Combination Locks (08 71 11 00-2279) Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2304			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) (08 71 11 00-2303) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2305	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	540.51	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2306	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	631.66	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2307	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	654.45	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2308	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	616.47	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2309	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	578.49	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2310	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	654.45	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2311	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	669.65	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2312	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	692.44	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2313	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	654.45	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2314			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2303)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2315	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	692.44	49.67
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2316	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	692.44	49.67
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2317			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2303)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2318	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	810.18	49.67
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2319	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	810.18	49.67
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2320			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 11 00-2303)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2321	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	870.95	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2322	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	946.92	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2323	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	962.11	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		
08 71 11 00-2324	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	984.90	49.67
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	85.80	
			Note: Excludes momentary contact switch.		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2325	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	946.92	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2326		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 11 00-2303)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2327	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,231.78	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2328	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,307.74	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2329	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,322.94	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2330	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,345.73	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2331	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,307.74	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	85.80	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2332		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) <small>(08 71 11 00-2303)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2333	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,748.34	49.67
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2334		Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) <small>(08 71 11 00-2303)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2335	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,098.84	49.67
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2336		Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) <small>(08 71 11 00-2303)</small>		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2337	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	673.45	49.67
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-474.78	
08 71 11 00-2338	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	764.60	49.67
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-565.93	
08 71 11 00-2339	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	787.39	49.67
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-588.72	
08 71 11 00-2340	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	749.41	49.67
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-550.74	
08 71 11 00-2341	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	711.43	49.67
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-512.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2342	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	787.39	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-588.72	
08 71 11 00-2343	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	802.58	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-603.91	
08 71 11 00-2344	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	825.37	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-626.70	
08 71 11 00-2345	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	787.39	49.67
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-588.72	
08 71 11 00-2346			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2303)		
08 71 11 00-2347	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	538.75	
08 71 11 00-2348	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	690.68	
08 71 11 00-2349	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	918.57	
08 71 11 00-2350	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	273.17	
08 71 11 00-2351	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)..... Note: Includes 4 C-cell battery pack.	83.68	
08 71 11 00-2352	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	99.63	
08 71 11 00-2353			Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2303) Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2354	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	705.02	49.25
			<i>For Owner Furnished Material, Deduct</i>	-508.02	
08 71 11 00-2355	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	819.06	49.25
			<i>For Owner Furnished Material, Deduct</i>	-622.06	
08 71 11 00-2356	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	926.44	49.25
			<i>For Owner Furnished Material, Deduct</i>	-729.44	
08 71 11 00-2357	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,215.26	49.25
			<i>For Owner Furnished Material, Deduct</i>	-1,018.26	
08 71 11 00-2358	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,330.04	49.25
			<i>For Owner Furnished Material, Deduct</i>	-1,133.04	
08 71 11 00-2359	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,464.82	49.25
			<i>For Owner Furnished Material, Deduct</i>	-1,267.82	
08 71 11 00-2360	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,344.85	49.25
			<i>For Owner Furnished Material, Deduct</i>	-1,147.85	
08 71 11 00-2361			Residential Locks And Latchsets (08 71 11 00-2245)		
08 71 11 00-2362	EA		Residential Entry Lockset With Knobs (Master Keyed).....	58.82	11.92
08 71 11 00-2363	EA		Residential Privacy Lockset With Knobs.....	57.56	11.92
08 71 11 00-2364	EA		Residential Passage Lockset With Knobs.....	57.40	11.92
08 71 11 00-2365	EA		Residential Dummy Lockset With Knobs.....	45.49	9.94
08 71 11 00-2366	EA		Residential Entry Lockset With Levers (Master Keyed).....	67.46	11.92
08 71 11 00-2367	EA		Residential Privacy Lockset With Levers.....	64.59	11.92
08 71 11 00-2368	EA		Residential Passage Lockset With Levers.....	62.51	11.92
08 71 11 00-2369	EA		Residential Dummy Lockset With Levers.....	46.48	9.94
08 71 11 00-2370	EA		Screen Door - Closer.....	38.84	8.58
08 71 11 00-2371	EA		Screen Door - Locking Handle.....	42.44	12.32
08 71 11 00-2372			Deadbolts (08 71 11 00-2245)		
08 71 11 00-2373			Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2372) Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2374	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	129.46	19.70
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2375	EA		Double Cylinder Deadbolt, Key Both Sides.....	147.04	19.70
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2376			Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2372) Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2377	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	117.42	19.70
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2378	EA		Double Cylinder Deadbolt, Key Both Sides.....	136.63	19.70
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish. <i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-2379		Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2372)			
		Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.			
08 71 11 00-2380	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side .....167.35	167.35		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
08 71 11 00-2381	EA	Small Case Mortised Deadbolt, Key Both Sides .....183.63	183.63		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.			
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side .....164.10	164.10		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).			
08 71 11 00-2383		Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2372)			
		Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.			
08 71 11 00-2384	EA	Mortised Deadbolt, Key One Side, Knob One Side .....211.63	211.63		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
08 71 11 00-2385	EA	Mortised Deadbolt, Key Both Sides .....238.32	238.32		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.			
08 71 11 00-2386	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side .....188.84	188.84		19.70
		Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).			
08 71 11 00-2387		Surface Mounted Deadbolts (08 71 11 00-2372)			
08 71 11 00-2388	EA	Single Cylinder Surface Mounted Deadbolt .....91.19	91.19		19.70
		Note: Key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2389	EA	Double Cylinder Surface Mounted Deadbolt .....102.95	102.95		19.70
		Note: Key both sides, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2390	EA	Single Cylinder Surface Mounted Interlocking Deadbolt .....112.31	112.31		19.70
		Note: Jimmy proof, key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2391	EA	Double Cylinder Surface Mounted Interlocking Deadbolt .....124.07	124.07		19.70
		Note: Jimmy proof, key both sides, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2392		Surface Mounted Deadlatches (08 71 11 00-2245)			
08 71 11 00-2393	EA	Single Cylinder Surface Mounted Deadlatch .....92.11	92.11		19.70
		Note: Key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2394	EA	Single Cylinder Surface Mounted Interlocking Deadlatch .....112.35	112.35		19.70
		Note: Jimmy proof, key one side, knob one side, bright brass finish.			
		<i>For Brushed Chrome Finish, Add</i>	10.50		
08 71 11 00-2395		Electric Strikes (08 71 11 00-2245)			
08 71 11 00-2396	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100) .....255.38	255.38		39.40
08 71 11 00-2397	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) .....765.51	765.51		39.40
		Note: For rim mounted lock			
08 71 11 00-2398	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) .....730.99	730.99		39.40
		Note: For rim mounted lock			
08 71 11 00-2399	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) .....561.38	561.38		39.40
		Note: For mortise or cylindrical locks			
08 71 11 00-2400	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) .....769.19	769.19		39.40
		Note: For mortise or cylindrical locks			
08 71 11 00-2401	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) .....754.22	754.22		39.40
		Note: For mortise or cylindrical locks			
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) .....823.32	823.32		39.40
		Note: For mortise or cylindrical locks			
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) .....766.14	766.14		39.40
		Note: For mortise or cylindrical locks			
08 71 11 00-2404	EA	12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006) .....466.91	466.91		39.40
08 71 11 00-2405	EA	12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500) .....464.11	464.11		39.40
08 71 11 00-2406	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000) .....223.48	223.48		39.40
08 71 11 00-2407	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200) .....223.48	223.48		39.40
08 71 11 00-2408	EA	12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000) .....288.84	288.84		39.40
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500) .....520.00	520.00		39.40
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000) .....253.75	253.75		39.40
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300) .....477.31	477.31		39.40
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500) .....420.95	420.95		39.40
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400) .....498.99	498.99		52.01
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500) .....569.27	569.27		52.01
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600) .....499.36	499.36		52.01
08 71 11 00-2416		Electric Hardware (08 71 11 00-2245)			
08 71 11 00-2417	EA	Electrified Cylindrical Lock Option .....140.51	140.51		
		Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.			
08 71 11 00-2418	EA	Electrified Mortise Lock Option .....164.00	164.00		
		Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.			
08 71 11 00-2419	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop83.79	83.79		19.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2420	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	273.58	19.70
08 71 11 00-2421	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	481.80	19.70
08 71 11 00-2422	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	743.11	19.70
08 71 11 00-2423	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	821.61	19.70
08 71 11 00-2424	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	982.84	19.70
08 71 11 00-2425	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,194.11	19.70

08 71 11 00-2426 Magnetic Locks (08 71 11 00-2245)

08 71 11 00-2427	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	576.94	94.56
08 71 11 00-2428	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	695.13	106.38
08 71 11 00-2429	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	681.35	94.56
08 71 11 00-2430	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	799.31	106.38
08 71 11 00-2431	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	711.68	102.44
08 71 11 00-2432	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	783.29	102.44
08 71 11 00-2433	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	839.03	102.44
08 71 11 00-2434	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	919.42	118.20
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2435	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,014.61	118.20
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2436	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	1,057.49	118.20
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2437	EA		2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	315.15	39.40
08 71 11 00-2438	EA		4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	529.00	39.40
08 71 11 00-2439	EA		6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	640.14	39.40

08 71 11 00-2440 Door Coordinators (08 71 11)

08 71 11 00-2441	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)	356.28	24.63
Note: Satin chrome finish. Includes two mounting brackets.					
				-103.11	
For Anodized Aluminum Finish, Deduct					
08 71 11 00-2442	EA		42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series)	374.30	25.61
Note: Satin chrome finish. Includes two mounting brackets.					
				-108.74	
For Anodized Aluminum Finish, Deduct					
08 71 11 00-2443	EA		52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series)	382.99	26.60
Note: Satin chrome finish. Includes two mounting brackets.					
				-110.64	
For Anodized Aluminum Finish, Deduct					
08 71 11 00-2444	EA		60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series)	399.76	27.58
Note: Satin chrome finish. Includes two mounting brackets.					
				-115.77	
For Anodized Aluminum Finish, Deduct					
08 71 11 00-2445	EA		72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series)	429.15	28.57
Note: Satin chrome finish. Includes two mounting brackets.					
				-125.96	
For Anodized Aluminum Finish, Deduct					
08 71 11 00-2446	EA		Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	82.71	7.88
For Anodized Aluminum Finish, Deduct					
				-20.48	
08 71 11 00-2447	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	91.00	8.87
For Anodized Aluminum Finish, Deduct					
				-22.21	
08 71 11 00-2448	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	104.73	9.85
For Anodized Aluminum Finish, Deduct					
				-26.13	
08 71 11 00-2449	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	75.79	9.85
08 71 11 00-2450	EA		7" Projection COR Series Gravity Type Door Coordinator.....	111.90	14.77
For Anodized Aluminum Finish, Deduct					
				-21.12	
08 71 11 00-2451	EA		9" Projection COR Series Gravity Type Door Coordinator.....	120.34	14.77
For Anodized Aluminum Finish, Deduct					
				-24.50	

08 71 11 00-2452 Removal And Reinstallation Of Door Hardware (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2453	EA		Removal And Reinstallation Of Door Lockset, Entrance.....	59.11	
08 71 11 00-2454	EA		Removal And Reinstallation Of Door Lockset, Mortise	94.56	
08 71 11 00-2455	EA		Removal And Reinstallation Of Deadbolt Lock	63.05	
08 71 11 00-2456	PR		Removal And Reinstallation Of Butts/Hinges.....	15.76	
08 71 11 00-2457	EA		Removal And Reinstallation Of Door Bumper.....	5.51	
08 71 11 00-2458	EA		Removal And Reinstallation Of Surface Mounted Panic Device	157.61	
08 71 11 00-2459	EA		Removal And Reinstallation Of Kick Plate	19.70	
08 71 11 00-2460	EA		Removal And Reinstallation Of Push Plate.....	15.75	
08 71 11 00-2461	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	78.80	
08 71 11 00-2462	EA		Removal And Reinstallation Of Door Handles.....	11.83	

08 71 11 00-2463 Electromagnetic Door Release (08 71 11)

08 71 11 00-2464	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	413.70	49.64
08 71 11 00-2465	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	403.19	49.64
08 71 11 00-2466	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	456.14	49.64
08 71 11 00-2467	EA		24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	768.71	49.64
08 71 11 00-2468	EA		24 Volt DC, Sliding Door, Electro-Magnetic Door Release	740.84	49.64
08 71 11 00-2469	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	740.84	49.64
08 71 11 00-2470	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release.....	672.67	49.64
08 71 11 00-2471	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	845.03	49.64
08 71 11 00-2472	EA		Photo Electric Smoke Detector Suitable For Door Holder Release	800.16	49.64
08 71 11 00-2473	EA		Ionization Type Smoke Detector Suitable For Door Holder Release	994.06	49.64

08 71 53 Security Door Hardware (08 71)

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 53 00-0001	Door Exit Alarm Hardware (08 71 53)		
08 71 53 00-0002	EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	263.68	29.55
08 71 53 00-0003	EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	367.07	29.55
08 71 53 00-0004	EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300).....	307.84	29.55
	Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	399.28	29.55
	Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	462.88	39.40
08 71 53 00-0007	EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S).....	81.04	39.40
	Note: For use with Detex EAX exit alarms.		

08 72 Weatherstripping, Thresholds and Seals (08 70)**08 72 33 Weatherstripping and Seals** (08 72)

08 72 33 00-0001	Weather-Stripping And Seals (08 72 33)		
08 72 33 00-0002	Astragals (08 72 33 00-0001)		
	Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003	Adhesive Backed Astragals (08 72 33 00-0002)		
08 72 33 00-0004	LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	3.61	0.60
08 72 33 00-0005	LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	4.04	0.60
08 72 33 00-0006	LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	3.06	0.60
08 72 33 00-0007	Overlapping Astragals (08 72 33 00-0002)		
08 72 33 00-0008	Aluminum, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0009	LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C).....	14.16	3.54
	For Color Anodized Finish, Add	2.15	
08 72 33 00-0010	Stainless Steel, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0011	LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	29.42	3.54
08 72 33 00-0012	"T" Astragals (08 72 33 00-0002)		
08 72 33 00-0013	Aluminum, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0014	LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	8.93	3.54
	For Color Anodized Finish, Add	0.68	
08 72 33 00-0015	LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	11.44	3.54
	For Color Anodized Finish, Add	0.89	
08 72 33 00-0016	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	11.83	3.54
	For Color Anodized Finish, Add	1.69	
	For Silicone Insert, Add	0.63	
08 72 33 00-0017	LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR).....	22.59	3.54
	For Color Anodized Finish, Add	5.46	
08 72 33 00-0018	Brass/Bronze, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0019	LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	60.81	3.54
	For Silicone Insert, Add	0.63	
08 72 33 00-0020	Locking Astragals (08 72 33 00-0002)		
08 72 33 00-0021	Outswing Locking Astragals (08 72 33 00-0020)		
	Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022	Aluminum, Outswing Locking Astragals (08 72 33 00-0021)		
08 72 33 00-0023	LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS).....	30.51	3.54
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	For Color Anodized Finish, Add	4.70	
08 72 33 00-0024	LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	35.54	3.54
	Note: Includes pile seal at inner door edge and neoprene bottom seal.		
	For Color Anodized Finish, Add	5.71	
08 72 33 00-0025	LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ).....	34.32	3.54
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	For Thermal Break, Add	1.64	
08 72 33 00-0026	LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ).....	38.42	3.54
	Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
	For Thermal Break, Add	1.89	
08 72 33 00-0027	Inswing Locking Astragals (08 72 33 00-0020)		
	Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028	Wood, Inswing Locking Astragals (08 72 33 00-0027)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	35.86	3.54
	08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	35.67	3.54
				Note: Includes kerf-in foam seal.		
	08 72 33 00-0031			Aluminum, Inswing Locking Astragals (08 72 33 00-0027)		
	08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	19.95	3.54
				Note: Includes pile seal at inner door edge and neoprene bottom seal.		
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	2.59	
	08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	24.16	3.54
				Note: Includes pile seal at inner door edge and neoprene bottom seal.		
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	3.43	
	08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	21.54	3.54
				Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
				For Magnetic Kerf-In Insert, Add	0.47	
				For Color Anodized Finish, Add	2.91	
	08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	25.71	3.54
				Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
				For Magnetic Kerf-In Insert, Add	0.47	
				For Color Anodized Finish, Add	3.74	
	08 72 33 00-0036			Security Astragals (08 72 33 00-0002)		
	08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	18.54	3.54
				For Color Anodized Finish, Add	11.54	
	08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	31.80	3.54
	08 72 33 00-0039			Meeting Stile Astragals (08 72 33 00-0002)		
	08 72 33 00-0040			One Piece, Meeting Stile Astragals (08 72 33 00-0039)		
				Note: Includes an astragal for one door only.		
	08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	11.29	3.54
				For Color Anodized Finish, Add	1.29	
	08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	17.68	5.28
				For Color Anodized Finish, Add	2.86	
	08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	23.90	5.28
				For Color Anodized Finish, Add	1.34	
	08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	24.71	5.28
				For Color Anodized Finish, Add	3.55	
	08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	34.79	5.28
	08 72 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)		
				Note: Includes one astragal for each door.		
	08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	13.81	5.28
				For Silicone Insert, Add	0.95	
				For Color Anodized Finish, Add	3.29	
	08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	13.81	5.28
				For Color Anodized Finish, Add	3.29	
	08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	13.81	5.28
				For Silicone Insert, Add	0.95	
				For Color Anodized Finish, Add	3.29	
	08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	22.54	5.28
				For Silicone Insert, Add	0.63	
				For Color Anodized Finish, Add	2.40	
	08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNC)	18.25	5.28
				For Color Anodized Finish, Add	3.09	
	08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNC)	18.82	5.28
				For Color Anodized Finish, Add	3.32	
	08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	23.12	5.28
				For Color Anodized Finish, Add	6.30	
				For Silicone Insert, Add	0.95	
	08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNC)	23.69	5.28
				For Color Anodized Finish, Add	5.27	
	08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNC)	24.26	5.28
				For Color Anodized Finish, Add	5.50	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 72 33 00-0056		Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039) Note: Includes one astragal for each door.			
08 72 33 00-0057		Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)			
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	44.59		5.28
		For Color Anodized Finish, Add	8.52		
		For Silicone Insert, Add	0.63		
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	45.49		5.28
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	6.99		
08 72 33 00-0060		Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)			
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	192.78		5.28
		For Silicone Insert, Add	0.63		
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	180.03		5.28
		For Silicone Insert, Add	0.63		
08 72 33 00-0063		Door Sweeps (08 72 33 00-0001)			
08 72 33 00-0064		Tack On Door Sweeps (08 72 33 00-0063)			
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	4.95		1.97
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	5.03		1.97
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	5.29		1.97
08 72 33 00-0068		Aluminum Retainer Door Sweeps (08 72 33 00-0063)			
08 72 33 00-0069		35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.			
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	12.02		3.94
		For Color Anodized Finish, Add	1.66		
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	12.45		3.94
		For Color Anodized Finish, Add	1.60		
08 72 33 00-0072		45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.			
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB).....	19.32		3.94
		For Color Anodized Finish, Add	4.58		
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB).....	21.04		3.94
		For Color Anodized Finish, Add	5.27		
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	24.76		3.94
		For Color Anodized Finish, Add	6.76		
08 72 33 00-0076		90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.			
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	13.45		3.94
		For Color Anodized Finish, Add	0.56		
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	13.31		3.94
		For Color Anodized Finish, Add	0.54		
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	14.31		3.94
		For Color Anodized Finish, Add	2.25		
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB).....	14.74		3.94
		For Color Anodized Finish, Add	2.75		
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	13.02		3.94
		For Color Anodized Finish, Add	1.29		
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	17.03		3.94
		For Color Anodized Finish, Add	1.83		
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	13.88		3.94
		For Color Anodized Finish, Add	1.20		
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	10.12		3.94
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.13		
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	10.23		3.94
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.18		
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	11.45		3.94
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.25		
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.			
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0087)			
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	11.74		3.94
		For Color Anodized Finish, Add	1.55		

Weatherstripping, Thresholds and Seals 08 72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB) <i>For Color Anodized Finish, Add</i>	12.02 1.66	3.94
08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) <i>For Color Anodized Finish, Add</i>	14.31 2.25	3.94
08 72 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00-0087)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB) <i>For Color Anodized Finish, Add</i>	14.46 2.64	3.94
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB) <i>For Color Anodized Finish, Add</i>	14.74 2.75	3.94
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB) <i>For Color Anodized Finish, Add</i>	15.95 3.23	3.94
08 72 33 00-0096			Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	10.45	3.94
08 72 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	10.45	3.94
08 72 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	10.59	3.94
08 72 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0063)		
08 72 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) <i>For Color Anodized Finish, Add</i>	10.16 1.60	3.94
08 72 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) <i>For Color Anodized Finish, Add</i>	12.02 1.66	3.94
08 72 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish. <i>For Color Anodized Finish, Add</i>	13.42 1.11	3.94
08 72 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) <i>For Color Anodized Finish, Add</i>	13.67 1.16	3.94
08 72 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	16.46	3.94
08 72 33 00-0109			Oak Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	13.17	3.94
08 72 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	15.43	3.94
08 72 33 00-0113			Door Shoes And Bottoms (08 72 33 00-0001)		
08 72 33 00-0114			Door Shoes (08 72 33 00-0113)		
08 72 33 00-0115			Aluminum Retainer Door Shoes (08 72 33 00-0114)		
08 72 33 00-0116			Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0117	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	11.31 1.38 0.68	3.94
08 72 33 00-0118	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV) <i>For Color Anodized Finish, Add</i>	11.74 1.55	3.94
08 72 33 00-0119	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV) <i>For Color Anodized Finish, Add</i>	15.89 1.60	3.94
08 72 33 00-0120			Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0121	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	13.17 2.12 0.68	3.94
08 72 33 00-0122			L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0123	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	12.02 2.08 0.42	3.94
08 72 33 00-0124	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	12.88 2.00 0.42	3.94
08 72 33 00-0125	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	13.17 2.12 0.42	3.94
08 72 33 00-0126	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) <i>For Color Anodized Finish, Add</i>	18.99 2.22	3.94

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0127	LF		Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)..... <i>For Color Anodized Finish, Add</i>	19.27 2.28	3.94
08 72 33 00-0128			L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0129	LF		Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	12.31 2.22 0.42	3.94
08 72 33 00-0130	LF		Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	13.17 2.12 0.42	3.94
08 72 33 00-0131	LF		Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	13.31 2.18 0.42	3.94
08 72 33 00-0132			Vinyl Door Shoes (08 72 33 00-0114)		
08 72 33 00-0133	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	15.11	3.94
08 72 33 00-0134	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	18.37	3.94
08 72 33 00-0135			Door Bottoms (08 72 33 00-0113)		
08 72 33 00-0136			Automatic Door Bottoms (08 72 33 00-0135)		
08 72 33 00-0137			Aluminum Automatic Door Bottoms (08 72 33 00-0136)		
08 72 33 00-0138	LF		Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)..... <i>For Color Anodized Finish, Add</i>	26.72 3.77	3.94
08 72 33 00-0139	LF		Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)..... <i>For Color Anodized Finish, Add</i>	38.52 6.13	3.94
08 72 33 00-0140			Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0141	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	9.44 0.86	3.15
08 72 33 00-0142	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	9.44 0.86	3.15
08 72 33 00-0143	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	13.95 2.10	3.15
08 72 33 00-0144	EA		For 20 Oz Copper Drip Cap For Exterior Door.....	57.31	
08 72 33 00-0145			Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146			Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0147	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) <i>For Intumescent Seal, Add</i>	2.98 1.50	1.97
08 72 33 00-0148	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) <i>For Intumescent Seal, Add</i>	3.02 1.50	1.97
08 72 33 00-0149	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	4.09	1.97
08 72 33 00-0150	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.29	1.97
08 72 33 00-0151	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) <i>For Intumescent Seal, Add</i>	4.40 1.50	1.97
08 72 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)..... <i>For Intumescent Seal, Add</i>	4.07 1.50	1.97
08 72 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.45	1.97
08 72 33 00-0154	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	5.02	1.97
08 72 33 00-0155			Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0156	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	2.64	1.97
08 72 33 00-0157	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	4.04	1.97
08 72 33 00-0158	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	2.98	1.97
08 72 33 00-0159	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	2.94	1.97
08 72 33 00-0160	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	3.89	1.97
08 72 33 00-0161			Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0162			Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0163	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	7.42	1.97
08 72 33 00-0164	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	7.42	1.97
08 72 33 00-0165	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	8.12	1.97
08 72 33 00-0166	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	8.26	1.97
08 72 33 00-0167			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	7.04	1.97
08 72 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	8.12	1.97
08 72 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	9.29	1.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	5.59	1.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.65	
08 72 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	5.59	1.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.65	
08 72 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	5.59	1.97
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.65	
08 72 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	9.95	1.97
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.20	
08 72 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	10.24	1.97
			<i>For Color Anodized Finish, Add</i>	3.15	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	10.24	1.97
			<i>For Color Anodized Finish, Add</i>	2.21	
08 72 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	9.74	1.97
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	10.87	1.97
08 72 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	24.83	1.97
			<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	43.55	1.97
08 72 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	37.32	1.97
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A)	13.80	3.94
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.37	
08 72 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR)	14.30	3.94
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.57	
08 72 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	18.05	1.97
			<i>For Color Anodized Finish, Add</i>	2.82	
08 72 33 00-0196	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	19.05	1.97
			<i>For Color Anodized Finish, Add</i>	3.02	

08 72 43 Thresholds (08 72)

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 72 43 00-0001	Thresholds <small>(08 72 43)</small> Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002	Metal Thresholds <small>(08 72 43 00-0001)</small>		
08 72 43 00-0003	Saddle Thresholds <small>(08 72 43 00-0002)</small>		
08 72 43 00-0004	Aluminum Saddle Thresholds <small>(08 72 43 00-0003)</small> Note: Includes mill finish.		
08 72 43 00-0005	3/16" Height, Aluminum Saddle Thresholds <small>(08 72 43 00-0004)</small>		
08 72 43 00-0006	LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) <i>For Color Anodized Finish, Add</i>	21.19 2.18	6.30
08 72 43 00-0007	1/4" Height, Aluminum Saddle Thresholds <small>(08 72 43 00-0004)</small>		
08 72 43 00-0008	LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) <i>For Color Anodized Finish, Add</i>	23.62 3.15	6.30
08 72 43 00-0009	LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) <i>For Color Anodized Finish, Add</i>	27.42 5.41	7.87
08 72 43 00-0010	LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) <i>For Color Anodized Finish, Add</i>	30.15 5.23	7.87
08 72 43 00-0011	LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) <i>For Color Anodized Finish, Add</i>	33.43 4.81	7.87
08 72 43 00-0012	LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) <i>For Color Anodized Finish, Add</i>	38.30 4.65	7.87
08 72 43 00-0013	LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) <i>For Color Anodized Finish, Add</i>	45.96 5.58	9.45
08 72 43 00-0014	LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) <i>For Color Anodized Finish, Add</i>	49.25 6.41	9.45
08 72 43 00-0015	LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) <i>For Color Anodized Finish, Add</i>	54.50 7.72	9.45
08 72 43 00-0016	5/16" Height, Aluminum Saddle Thresholds <small>(08 72 43 00-0004)</small>		
08 72 43 00-0017	LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) <i>For Color Anodized Finish, Add</i>	23.19 2.60	6.30
08 72 43 00-0018	1/2" Height, Aluminum Saddle Thresholds <small>(08 72 43 00-0004)</small>		
08 72 43 00-0019	LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) <i>For Color Anodized Finish, Add</i>	23.34 3.80	6.30
08 72 43 00-0020	LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) <i>For Color Anodized Finish, Add</i>	28.57 6.22	7.87
08 72 43 00-0021	LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) <i>For Color Anodized Finish, Add</i>	31.36 5.84	7.87
08 72 43 00-0022	LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) <i>For Color Anodized Finish, Add</i>	33.72 4.91	7.87
08 72 43 00-0023	LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) <i>For Color Anodized Finish, Add</i>	38.30 4.65	7.87
08 72 43 00-0024	LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) <i>For Color Anodized Finish, Add</i>	47.68 8.42	9.45
08 72 43 00-0025	LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) <i>For Color Anodized Finish, Add</i>	50.69 10.82	9.45
08 72 43 00-0026	LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) <i>For Color Anodized Finish, Add</i>	53.69 12.02	9.45
08 72 43 00-0027	Brass/Bronze Saddle Thresholds <small>(08 72 43 00-0003)</small>		
08 72 43 00-0028	3/16" Height, Brass/Bronze Saddle Thresholds <small>(08 72 43 00-0027)</small>		
08 72 43 00-0029	LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B) <i>For Color Anodized Finish, Add</i>	72.57 12.02	6.30
08 72 43 00-0030	1/4" Height, Brass/Bronze Saddle Thresholds <small>(08 72 43 00-0027)</small>		
08 72 43 00-0031	LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	116.03	6.30
08 72 43 00-0032	LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	140.02	7.87
08 72 43 00-0033	LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	170.10	7.87
08 72 43 00-0034	LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	199.35	7.87
08 72 43 00-0035	LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	232.77	7.87
08 72 43 00-0036	LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	299.39	9.45
08 72 43 00-0037	1/2" Height, Brass/Bronze Saddle Thresholds <small>(08 72 43 00-0027)</small>		
08 72 43 00-0038	LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	153.39	7.87
08 72 43 00-0039	LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	186.82	7.87
08 72 43 00-0040	LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	220.24	7.87
08 72 43 00-0041	LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	262.02	7.87
08 72 43 00-0042	LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	373.20	9.45
08 72 43 00-0043	LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	354.04	9.45
08 72 43 00-0044	Stainless Steel Saddle Thresholds <small>(08 72 43 00-0003)</small>		
08 72 43 00-0045	1/2" Height, Stainless Steel Saddle Thresholds <small>(08 72 43 00-0044)</small>		
08 72 43 00-0046	LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	128.32	7.87
08 72 43 00-0047	LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	136.68	7.87

Weatherstripping, Thresholds and Seals 08 72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 43 00-0048			Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049			Aluminum Half Saddle Thresholds (08 72 43 00-0048) Note: Includes mill finish.		
08 72 43 00-0050			3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051	LF		5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	34.05	7.87
			For Color Anodized Finish, Add	5.74	
08 72 43 00-0052	LF		7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	44.46	7.87
			For Color Anodized Finish, Add	2.48	
08 72 43 00-0053			Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054			Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055			1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF		5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	34.15	7.87
			For Color Anodized Finish, Add	7.23	
08 72 43 00-0057	LF		7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	37.87	7.87
			For Color Anodized Finish, Add	6.36	
08 72 43 00-0058			3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF		5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	34.15	7.87
			For Color Anodized Finish, Add	7.23	
08 72 43 00-0060			1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF		7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A).....	39.30	7.87
			For Color Anodized Finish, Add	6.86	
08 72 43 00-0062			Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063			Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA).....	36.49	7.87
			For Non-Slip Surfacing, Add	62.22	
08 72 43 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA).....	45.73	8.66
			For Non-Slip Surfacing, Add	79.52	
08 72 43 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA).....	58.33	9.84
			For Non-Slip Surfacing, Add	108.19	
08 72 43 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA).....	74.50	10.23
			For Non-Slip Surfacing, Add	145.85	
08 72 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA).....	86.84	11.02
			For Non-Slip Surfacing, Add	194.37	
08 72 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA).....	107.79	12.21
			For Non-Slip Surfacing, Add	216.79	
08 72 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA).....	120.26	13.39
			For Non-Slip Surfacing, Add	243.05	
08 72 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA).....	127.56	14.18
			For Non-Slip Surfacing, Add	248.03	
08 72 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	62.29	9.84
			For Non-Slip Surfacing, Add	115.02	
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	73.32	10.23
			For Non-Slip Surfacing, Add	142.67	
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	91.84	11.81
			For Non-Slip Surfacing, Add	177.35	
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA).....	108.12	12.61
			For Non-Slip Surfacing, Add	215.59	
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA).....	124.35	13.39
			For Non-Slip Surfacing, Add	253.68	
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA).....	136.03	14.18
			For Non-Slip Surfacing, Add	279.97	
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA).....	167.01	14.97
			For Non-Slip Surfacing, Add	356.43	
08 72 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA).....	72.17	10.63
			For Non-Slip Surfacing, Add	142.52	
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA).....	84.77	11.81
			For Non-Slip Surfacing, Add	171.19	
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA).....	101.72	12.61
			For Non-Slip Surfacing, Add	206.60	
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA).....	114.07	13.39
			For Non-Slip Surfacing, Add	235.68	
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA).....	134.22	14.18
			For Non-Slip Surfacing, Add	275.26	
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA).....	145.90	14.97
			For Non-Slip Surfacing, Add	301.55	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	168.59 342.73	15.75
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	173.58 18.47	9.84
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	267.82 29.78	9.84
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	530.98 60.41	13.79
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	173.58 18.47	9.84
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	267.82 29.78	9.84
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	530.98 60.41	13.79
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds (08 72 43 00-0001) Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097) Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	41.59 7.67 0.63	7.87
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	34.29 7.30 0.63	7.87
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	46.17 9.27 0.63	7.87
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	48.18 9.97 0.63	7.87
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	32.57 6.44 0.63	7.87
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	34.58 7.45 0.63	7.87
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0096)		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	36.73 6.82 0.63	7.87
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	38.59 7.56 0.63	7.87
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	41.31 7.57 0.63	7.87
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	44.38 8.64 0.63	7.87
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV) <i>For Thermoseal, Add</i>	221.91 0.63	7.87
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV) <i>For Thermoseal, Add</i>	205.20 0.63	7.87

Weatherstripping, Thresholds and Seals 08 72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV) <i>For Thermoseal, Add</i>	298.79 0.63	7.87
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV) <i>For Thermoseal, Add</i>	266.37 0.63	7.87
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV) <i>For Thermoseal, Add</i>	218.23 0.63	7.87
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) <i>For Thermoseal, Add</i>	223.12 0.63	8.66
08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) <i>For Thermoseal, Add</i>	234.66 0.63	8.66
08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) <i>For Thermoseal, Add</i>	296.99 0.63	8.66
08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) <i>For Thermoseal, Add</i>	268.75 0.63	9.05
08 72 43 00-0129			Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130			Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131			3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132	LF		2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C) <i>For Color Anodized Finish, Add</i>	24.48 3.49	6.30
08 72 43 00-0133			7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A) <i>For Color Anodized Finish, Add</i>	19.80 2.10	5.51
08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A) <i>For Color Anodized Finish, Add</i>	30.43 4.30	6.30
08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A) <i>For Color Anodized Finish, Add</i>	36.44 6.70	6.30
08 72 43 00-0137			1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A) <i>For Color Anodized Finish, Add</i>	17.94 1.04	5.51
08 72 43 00-0139			3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A) <i>For Color Anodized Finish, Add</i>	19.80 1.80	5.51
08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A) <i>For Color Anodized Finish, Add</i>	30.86 4.47	7.87
08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A) <i>For Color Anodized Finish, Add</i>	32.57 3.86	7.87
08 72 43 00-0143			Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		
08 72 43 00-0144			3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B) <i>For Color Anodized Finish, Add</i>	117.86 3.86	6.30
08 72 43 00-0146			7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147	LF		1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B) <i>For Color Anodized Finish, Add</i>	158.56 1.80	5.51
08 72 43 00-0148	LF		4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B) <i>For Color Anodized Finish, Add</i>	140.86 1.80	7.87
08 72 43 00-0149			Vinyl Transition Thresholds (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150			Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF		2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL) <i>For Color Anodized Finish, Add</i>	29.73 3.86	6.30
08 72 43 00-0152			Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF		2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL) <i>For Color Anodized Finish, Add</i>	29.73 3.86	6.30

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.			
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	31.59		7.87
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.			
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	33.91		7.87
08 72 43 00-0158		Residential Thresholds (08 72 43 00-0001)			
08 72 43 00-0159		Wood Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	12.46		3.94
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	12.94		3.94
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	17.77		4.19
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	18.03		4.35
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	27.88		4.47
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	15.09		3.94
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	18.46		4.35
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	35.21		4.35
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	15.14		3.94
		<i>For Color Anodized Finish, Add</i>	2.12		
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	17.74		4.35
		<i>For Color Anodized Finish, Add</i>	2.75		
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	18.89		4.35
		<i>For Color Anodized Finish, Add</i>	3.21		
08 72 43 00-0173		Interlocking Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)			
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	34.51		4.47
		<i>For Color Anodized Finish, Add</i>	7.00		
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	22.65		4.19
		<i>For Color Anodized Finish, Add</i>	3.65		
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	20.46		4.35
		<i>For Color Anodized Finish, Add</i>	4.80		
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	23.92		4.47
		<i>For Color Anodized Finish, Add</i>	3.82		
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	26.21		4.47
		<i>For Color Anodized Finish, Add</i>	7.52		
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0173)			
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	165.77		4.47
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	123.68		4.35
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	169.95		4.47
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	245.48		4.60
08 72 43 00-0191		Residential Door Sills (08 72 43 00-0001)			
08 72 43 00-0192		Fixed Aluminum Residential Door Sills (08 72 43 00-0191)			
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	19.34		4.47
		<i>For Color Anodized Finish, Add</i>	4.08		
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	20.78		4.60
		<i>For Color Anodized Finish, Add</i>	3.71		
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0191)			
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	28.08		4.47
		<i>For Color Anodized Finish, Add</i>	5.92		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) <i>For Color Anodized Finish, Add</i>	28.83 6.07	4.60
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08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)

08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)..... <i>For Color Anodized Finish, Add</i>	28.46 6.16	4.35
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)..... <i>For Color Anodized Finish, Add</i>	28.77 4.40	4.47
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)..... <i>For Color Anodized Finish, Add</i>	30.04 4.64	4.60

08 72 43 00-0202 Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)

08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) <i>For Color Anodized Finish, Add</i>	11.45 2.51	3.94
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) <i>For Color Anodized Finish, Add</i>	12.59 2.36	3.94
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) <i>For Color Anodized Finish, Add</i>	13.74 1.47	3.94

08 72 43 00-0206 Stone Thresholds (08 72 43 00-0001)

08 72 43 00-0207 Marble Thresholds (08 72 43 00-0206)

08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	16.62	6.55
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	18.15	6.55
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	20.19	6.55
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	24.80	6.55
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	30.18	6.55

08 72 43 00-0213 Corian Thresholds (08 72 43 00-0206)

08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold.....	61.56	6.54
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08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF		1/8" Thick, Clear Float Factory Installed Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	3.02 -0.09 -0.18 -0.27 0.76 1.36 0.76	
08 81 23 13-0004	SF		3/16" Thick, Clear Float Factory Installed Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	3.24 -0.10 -0.19 -0.29 0.81 1.46 0.81	
08 81 23 13-0005	SF		1/4" Thick, Clear Float Factory Installed Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	3.93 -0.12 -0.24 -0.35 0.98 1.77 0.98	
08 81 23 13-0006	SF		5/16" Thick, Clear Float Factory Installed Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	6.54 -0.20 -0.39 -0.59 1.64 2.94 1.64	
08 81 23 13-0007	SF		3/8" Thick, Clear Float Factory Installed Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i>	9.51 -0.29 -0.57 -0.86 2.38 4.28 2.38	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0008	SF 1/2" Thick, Clear Float Factory Installed Glass	10.45	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.63	
	For >400, Deduct	-0.94	
	For Tinted Glass, Add	2.61	
	For Reflective Coated Glass, Add	4.70	
	For Low-E Coated Glass, Add	2.61	
08 81 23 13-0009	SF 5/8" Thick, Clear Float Factory Installed Glass	12.50	
	For >50 To 200, Deduct	-0.38	
	For >200 To 400, Deduct	-0.75	
	For >400, Deduct	-1.13	
	For Tinted Glass, Add	3.13	
	For Reflective Coated Glass, Add	5.63	
	For Low-E Coated Glass, Add	3.13	
08 81 23 13-0010	SF 3/4" Thick, Clear Float Factory Installed Glass	15.44	
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.93	
	For >400, Deduct	-1.39	
	For Tinted Glass, Add	3.86	
	For Reflective Coated Glass, Add	6.95	
	For Low-E Coated Glass, Add	3.86	
08 81 23 13-0011	Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012	Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass	4.39	
	For >50 To 200, Deduct	-0.13	
	For >200 To 400, Deduct	-0.26	
	For >400, Deduct	-0.40	
	For Tinted Glass, Add	1.10	
	For Reflective Coated Glass, Add	1.98	
	For Low-E Coated Glass, Add	1.10	
08 81 23 13-0014	SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass	4.69	
	For >50 To 200, Deduct	-0.14	
	For >200 To 400, Deduct	-0.28	
	For >400, Deduct	-0.42	
	For Tinted Glass, Add	1.17	
	For Reflective Coated Glass, Add	2.11	
	For Low-E Coated Glass, Add	1.17	
08 81 23 13-0015	SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass	5.70	
	For >50 To 200, Deduct	-0.17	
	For >200 To 400, Deduct	-0.34	
	For >400, Deduct	-0.51	
	For Tinted Glass, Add	1.43	
	For Reflective Coated Glass, Add	2.57	
	For Low-E Coated Glass, Add	1.43	
08 81 23 13-0016	SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass	9.49	
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.57	
	For >400, Deduct	-0.85	
	For Tinted Glass, Add	2.37	
	For Reflective Coated Glass, Add	4.27	
	For Low-E Coated Glass, Add	2.37	
08 81 23 13-0017	SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass	13.79	
	For >50 To 200, Deduct	-0.41	
	For >200 To 400, Deduct	-0.83	
	For >400, Deduct	-1.24	
	For Tinted Glass, Add	3.45	
	For Reflective Coated Glass, Add	6.21	
	For Low-E Coated Glass, Add	3.45	
08 81 23 13-0018	SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass	15.15	
	For >50 To 200, Deduct	-0.45	
	For >200 To 400, Deduct	-0.91	
	For >400, Deduct	-1.36	
	For Tinted Glass, Add	3.79	
	For Reflective Coated Glass, Add	6.82	
	For Low-E Coated Glass, Add	3.79	
08 81 23 13-0019	SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass	18.13	
	For >50 To 200, Deduct	-0.54	
	For >200 To 400, Deduct	-1.09	
	For >400, Deduct	-1.63	
	For Tinted Glass, Add	4.53	
	For Reflective Coated Glass, Add	8.16	
	For Low-E Coated Glass, Add	4.53	
08 81 23 13-0020	SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass	22.40	
	For >50 To 200, Deduct	-0.67	
	For >200 To 400, Deduct	-1.34	
	For >400, Deduct	-2.02	
	For Tinted Glass, Add	5.60	
	For Reflective Coated Glass, Add	10.08	
	For Low-E Coated Glass, Add	5.60	
08 81 23 13-0021	Patterned Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0022	Rough Obscure, Factory Installed Glass <small>(08 81 23 13-0021)</small>		
	Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF 1/4" Thick, Rough Obscure, Factory Installed Glass	8.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0024			Patterned, Figured Factory Installed Glass (08 81 23 13-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass.....	5.23	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass.....	5.23	
08 81 23 13-0027			Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028			Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF		1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	13.52	
08 81 23 13-0030	SF		1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	13.52	
08 81 23 13-0031			Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF		1/4" Thick, Polished, Wired Factory Installed Glass.....	14.78	
08 81 23 13-0033			Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034			Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF		1/8" Thick, Frosted Factory Installed Glass.....	6.84	
			For >50 To 200, Deduct	-0.21	
			For >200 To 400, Deduct	-0.41	
			For >400, Deduct	-0.62	
08 81 23 13-0036	SF		3/16" Thick, Frosted Factory Installed Glass.....	8.97	
			For >50 To 200, Deduct	-0.27	
			For >200 To 400, Deduct	-0.54	
			For >400, Deduct	-0.81	
08 81 23 13-0037	SF		1/4" Thick, Frosted Factory Installed Glass.....	11.34	
			For >50 To 200, Deduct	-0.34	
			For >200 To 400, Deduct	-0.68	
			For >400, Deduct	-1.02	
08 81 23 13-0038	SF		3/8" Thick, Frosted Factory Installed Glass.....	16.95	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.02	
			For >400, Deduct	-1.53	
08 81 23 13-0039			Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040			Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF		20 Minute, Fire Rated Factory Installed Glass.....	18.57	
08 81 23 13-0042	SF		45 Minute, Fire Rated Factory Installed Glass.....	36.96	
08 81 23 13-0043	SF		60 Minute, Fire Rated Factory Installed Glass.....	57.12	
08 81 23 13-0044	SF		90 Minute, Fire Rated Factory Installed Glass.....	75.60	
08 81 23 13-0045			Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046			Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.05	
			For >50 To 200, Deduct	-0.36	
			For >200 To 400, Deduct	-0.72	
			For >400, Deduct	-1.08	
			For Tinted Glass, Add	3.01	
			For Reflective Coated Glass, Add	5.42	
			For Low-E Coated Glass, Add	3.01	
			For One Piece Heat Strengthened Glass, Add	2.41	
			For One Piece Fully Tempered Glass, Add	2.41	
08 81 23 13-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	15.04	
			For >50 To 200, Deduct	-0.45	
			For >200 To 400, Deduct	-0.90	
			For >400, Deduct	-1.35	
			For Tinted Glass, Add	3.76	
			For Reflective Coated Glass, Add	6.77	
			For Low-E Coated Glass, Add	3.76	
			For One Piece Heat Strengthened Glass, Add	3.01	
			For One Piece Fully Tempered Glass, Add	3.01	
08 81 23 13-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	20.44	
			For >50 To 200, Deduct	-0.61	
			For >200 To 400, Deduct	-1.23	
			For >400, Deduct	-1.84	
			For Tinted Glass, Add	5.11	
			For Reflective Coated Glass, Add	9.20	
			For Low-E Coated Glass, Add	5.11	
			For One Piece Heat Strengthened Glass, Add	4.09	
			For One Piece Fully Tempered Glass, Add	4.09	
08 81 23 13-0050			Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051			Insulated, Factory Installed Glass (08 81 23 13-0050) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052			3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	7.98	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	-0.24	
		For >200 To 400, Deduct	-0.48	
		For >400, Deduct	-0.72	
		For Tinted Glass, Add	2.00	
		For Reflective Coated Glass, Add	3.59	
		For Low-E Coated Glass, Add	2.00	
		For One Piece Heat Strengthened Glass, Add	1.60	
		For One Piece Fully Tempered Glass, Add	1.60	
		For One Piece Obscure Glass, Add	3.39	
		For Argon Gas, Add	1.10	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	8.72	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.78	
		For Tinted Glass, Add	2.18	
		For Reflective Coated Glass, Add	3.92	
		For Low-E Coated Glass, Add	2.18	
		For One Piece Heat Strengthened Glass, Add	1.74	
		For One Piece Fully Tempered Glass, Add	1.74	
		For One Piece Obscure Glass, Add	3.71	
		For Argon Gas, Add	1.20	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	8.74	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.79	
		For Tinted Glass, Add	2.19	
		For Reflective Coated Glass, Add	3.93	
		For Low-E Coated Glass, Add	2.19	
		For One Piece Heat Strengthened Glass, Add	1.75	
		For One Piece Fully Tempered Glass, Add	1.75	
		For One Piece Obscure Glass, Add	3.71	
		For Argon Gas, Add	1.20	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	8.22	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.25	
		For >200 To 400, Deduct	-0.49	
		For >400, Deduct	-0.74	
		For Tinted Glass, Add	2.06	
		For Reflective Coated Glass, Add	3.70	
		For Low-E Coated Glass, Add	2.06	
		For One Piece Heat Strengthened Glass, Add	1.64	
		For One Piece Fully Tempered Glass, Add	1.64	
		For One Piece Obscure Glass, Add	3.49	
		For Argon Gas, Add	1.13	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	8.72	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.78	
		For Tinted Glass, Add	2.18	
		For Reflective Coated Glass, Add	3.92	
		For Low-E Coated Glass, Add	2.18	
		For One Piece Heat Strengthened Glass, Add	1.74	
		For One Piece Fully Tempered Glass, Add	1.74	
		For One Piece Obscure Glass, Add	3.71	
		For Argon Gas, Add	1.20	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	8.82	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.53	
		For >400, Deduct	-0.79	
		For Tinted Glass, Add	2.21	
		For Reflective Coated Glass, Add	3.97	
		For Low-E Coated Glass, Add	2.21	
		For One Piece Heat Strengthened Glass, Add	1.76	
		For One Piece Fully Tempered Glass, Add	1.76	
		For One Piece Obscure Glass, Add	3.75	
		For Argon Gas, Add	1.21	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	8.82	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.53	
		For >400, Deduct	-0.79	
		For Tinted Glass, Add	2.21	
		For Reflective Coated Glass, Add	3.97	
		For Low-E Coated Glass, Add	2.21	
		For One Piece Heat Strengthened Glass, Add	1.76	
		For One Piece Fully Tempered Glass, Add	1.76	
		For One Piece Obscure Glass, Add	3.75	
		For Argon Gas, Add	1.21	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass..... Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	9.24 -0.28 -0.55 -0.83 2.31 4.16 2.31 1.85 1.85 3.93 1.27	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass..... Note: Two 1/8" lites with 3/8" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	8.82 -0.26 -0.53 -0.79 2.21 3.97 2.21 1.76 1.76 3.75 1.21	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass..... Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	9.24 -0.28 -0.55 -0.83 2.31 4.16 2.31 1.85 1.85 3.93 1.27	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass..... Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	10.25 -0.31 -0.62 -0.92 2.56 4.61 2.56 2.05 2.05 4.36 1.41	
08 81 23 13-0066		1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067	SF	3/4" Thick, Insulated Factory Installed Glass..... Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	9.24 -0.28 -0.55 -0.83 2.31 4.16 2.31 1.85 1.85 3.93 1.27	
08 81 23 13-0068	SF	7/8" Thick, Insulated Factory Installed Glass..... Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	10.25 -0.31 -0.62 -0.92 2.56 4.61 2.56 2.05 2.05 4.36 1.41	

08 Openings**08 80 Glazing****08 81 Glass Glazing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	10.25
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	
		For >50 To 200, Deduct	-0.31
		For >200 To 400, Deduct	-0.62
		For >400, Deduct	-0.92
		For Tinted Glass, Add	2.56
		For Reflective Coated Glass, Add	4.61
		For Low-E Coated Glass, Add	2.56
		For One Piece Heat Strengthened Glass, Add	2.05
		For One Piece Fully Tempered Glass, Add	2.05
		For One Piece Obscure Glass, Add	4.36
		For Argon Gas, Add	1.41
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass	11.21
		Note: Two 1/4" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.34
		For >200 To 400, Deduct	-0.67
		For >400, Deduct	-1.01
		For Tinted Glass, Add	2.80
		For Reflective Coated Glass, Add	5.04
		For Low-E Coated Glass, Add	2.80
		For One Piece Heat Strengthened Glass, Add	2.24
		For One Piece Fully Tempered Glass, Add	2.24
		For One Piece Obscure Glass, Add	4.76
		For Argon Gas, Add	1.54

08 81 23 23 Field Installed Glass Glazing (08 81 23)

08 81 23 23-0001 Heat Treated Field Installed Glass (08 81 23 23)

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass (08 81 23 23-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	12.59
		For >50 To 200, Deduct	-0.13
		For >200 To 400, Deduct	-0.26
		For >400, Deduct	-0.40
		For Glass Removal And Preparing Opening For New Glazing, Add	8.20
		For Tinted Glass, Add	1.10
		For Reflective Coated Glass, Add	1.98
		For Low-E Coated Glass, Add	1.10
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	13.52
		For >50 To 200, Deduct	-0.14
		For >200 To 400, Deduct	-0.28
		For >400, Deduct	-0.42
		For Glass Removal And Preparing Opening For New Glazing, Add	8.83
		For Tinted Glass, Add	1.17
		For Reflective Coated Glass, Add	2.11
		For Low-E Coated Glass, Add	1.17
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	15.16
		For >50 To 200, Deduct	-0.17
		For >200 To 400, Deduct	-0.34
		For >400, Deduct	-0.51
		For Glass Removal And Preparing Opening For New Glazing, Add	9.46
		For Tinted Glass, Add	1.43
		For Reflective Coated Glass, Add	2.57
		For Low-E Coated Glass, Add	1.43
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	20.22
		For >50 To 200, Deduct	-0.28
		For >200 To 400, Deduct	-0.57
		For >400, Deduct	-0.85
		For Glass Removal And Preparing Opening For New Glazing, Add	10.73
		For Tinted Glass, Add	2.37
		For Reflective Coated Glass, Add	4.27
		For Low-E Coated Glass, Add	2.37
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	25.77
		For >50 To 200, Deduct	-0.41
		For >200 To 400, Deduct	-0.83
		For >400, Deduct	-1.24
		For Glass Removal And Preparing Opening For New Glazing, Add	11.98
		For Tinted Glass, Add	3.45
		For Reflective Coated Glass, Add	6.21
		For Low-E Coated Glass, Add	3.45
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	28.40
		For >50 To 200, Deduct	-0.45
		For >200 To 400, Deduct	-0.91
		For >400, Deduct	-1.36
		For Glass Removal And Preparing Opening For New Glazing, Add	13.25
		For Tinted Glass, Add	3.79
		For Reflective Coated Glass, Add	6.82
		For Low-E Coated Glass, Add	3.79
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	34.53
		For >50 To 200, Deduct	-0.54
		For >200 To 400, Deduct	-1.09
		For >400, Deduct	-1.63
		For Glass Removal And Preparing Opening For New Glazing, Add	16.40
		For Tinted Glass, Add	4.53
		For Reflective Coated Glass, Add	8.16
		For Low-E Coated Glass, Add	4.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0010	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass	41.96	
			<i>For >50 To 200, Deduct</i>	-0.67	
			<i>For >200 To 400, Deduct</i>	-1.34	
			<i>For >400, Deduct</i>	-2.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.56	
			<i>For Tinted Glass, Add</i>	5.60	
			<i>For Reflective Coated Glass, Add</i>	10.08	
			<i>For Low-E Coated Glass, Add</i>	5.60	
08 81 23 23-0011			Clear Float Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Clear Float Field Installed Glass	11.22	
			<i>For >50 To 200, Deduct</i>	-0.09	
			<i>For >200 To 400, Deduct</i>	-0.18	
			<i>For >400, Deduct</i>	-0.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.20	
			<i>For Tinted Glass, Add</i>	0.76	
			<i>For Reflective Coated Glass, Add</i>	1.36	
			<i>For Low-E Coated Glass, Add</i>	0.76	
08 81 23 23-0014	SF		3/16" Thick, Clear Float Field Installed Glass	12.07	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.19	
			<i>For >400, Deduct</i>	-0.29	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.83	
			<i>For Tinted Glass, Add</i>	0.81	
			<i>For Reflective Coated Glass, Add</i>	1.46	
			<i>For Low-E Coated Glass, Add</i>	0.81	
08 81 23 23-0015	SF		1/4" Thick, Clear Float Field Installed Glass	13.39	
			<i>For >50 To 200, Deduct</i>	-0.12	
			<i>For >200 To 400, Deduct</i>	-0.24	
			<i>For >400, Deduct</i>	-0.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
			<i>For Tinted Glass, Add</i>	0.98	
			<i>For Reflective Coated Glass, Add</i>	1.77	
			<i>For Low-E Coated Glass, Add</i>	0.98	
08 81 23 23-0016	SF		5/16" Thick, Clear Float Field Installed Glass	17.27	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.39	
			<i>For >400, Deduct</i>	-0.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.73	
			<i>For Tinted Glass, Add</i>	1.64	
			<i>For Reflective Coated Glass, Add</i>	2.94	
			<i>For Low-E Coated Glass, Add</i>	1.64	
08 81 23 23-0017	SF		3/8" Thick, Clear Float Field Installed Glass	21.49	
			<i>For >50 To 200, Deduct</i>	-0.29	
			<i>For >200 To 400, Deduct</i>	-0.57	
			<i>For >400, Deduct</i>	-0.86	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.98	
			<i>For Tinted Glass, Add</i>	2.38	
			<i>For Reflective Coated Glass, Add</i>	4.28	
			<i>For Low-E Coated Glass, Add</i>	2.38	
08 81 23 23-0018	SF		1/2" Thick, Clear Float Field Installed Glass	23.70	
			<i>For >50 To 200, Deduct</i>	-0.31	
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400, Deduct</i>	-0.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.25	
			<i>For Tinted Glass, Add</i>	2.61	
			<i>For Reflective Coated Glass, Add</i>	4.70	
			<i>For Low-E Coated Glass, Add</i>	2.61	
08 81 23 23-0019	SF		5/8" Thick, Clear Float Field Installed Glass	28.90	
			<i>For >50 To 200, Deduct</i>	-0.38	
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400, Deduct</i>	-1.13	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.40	
			<i>For Tinted Glass, Add</i>	3.13	
			<i>For Reflective Coated Glass, Add</i>	5.63	
			<i>For Low-E Coated Glass, Add</i>	3.13	
08 81 23 23-0020	SF		3/4" Thick, Clear Float Field Installed Glass	35.00	
			<i>For >50 To 200, Deduct</i>	-0.46	
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400, Deduct</i>	-1.39	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.56	
			<i>For Tinted Glass, Add</i>	3.86	
			<i>For Reflective Coated Glass, Add</i>	6.95	
			<i>For Low-E Coated Glass, Add</i>	3.86	
08 81 23 23-0021			Patterned Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0022			Rough Obscure Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass	18.06	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0024			Patterned, Figured Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass	13.43	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.20	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass	14.38	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.15	
08 81 23 23-0027			Wired Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
			Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass.....	22.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	22.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0031			Polished, Wired Field Installed Glass <small>(08 81 23 23-0027)</small>		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass.....	24.24	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0033			Frosted Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0034			Frosted Field Installed Glass <small>(08 81 23 23-0033)</small>		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass.....	15.04	
			<i>For >50 To 200, Deduct</i>	-0.21	
			<i>For >200 To 400, Deduct</i>	-0.41	
			<i>For >400, Deduct</i>	-0.62	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.20	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass.....	17.80	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.83	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass.....	20.80	
			<i>For >50 To 200, Deduct</i>	-0.34	
			<i>For >200 To 400, Deduct</i>	-0.68	
			<i>For >400, Deduct</i>	-1.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass.....	28.93	
			<i>For >50 To 200, Deduct</i>	-0.51	
			<i>For >200 To 400, Deduct</i>	-1.02	
			<i>For >400, Deduct</i>	-1.53	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.98	
08 81 23 23-0039			Fire Rated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0040			Fire Rated Field Installed Glass <small>(08 81 23 23-0039)</small>		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass	28.03	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass	46.42	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass	66.58	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass	85.06	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
08 81 23 23-0045			Laminated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0046			Laminated Glass With PVB Interlayer, Field Installed Glass <small>(08 81 23 23-0045)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	21.51	
			<i>For >50 To 200, Deduct</i>	-0.36	
			<i>For >200 To 400, Deduct</i>	-0.72	
			<i>For >400, Deduct</i>	-1.08	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.46	
			<i>For Tinted Glass, Add</i>	3.01	
			<i>For Reflective Coated Glass, Add</i>	5.42	
			<i>For Low-E Coated Glass, Add</i>	3.01	
			<i>For One Piece Heat Strengthened Glass, Add</i>	2.41	
			<i>For One Piece Fully Tempered Glass, Add</i>	2.41	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	27.02	
			<i>For >50 To 200, Deduct</i>	-0.45	
			<i>For >200 To 400, Deduct</i>	-0.90	
			<i>For >400, Deduct</i>	-1.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.98	
			<i>For Tinted Glass, Add</i>	3.76	
			<i>For Reflective Coated Glass, Add</i>	6.77	
			<i>For Low-E Coated Glass, Add</i>	3.76	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.01	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.01	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	33.69	
		<i>For >50 To 200, Deduct</i>	-0.61	
		<i>For >200 To 400, Deduct</i>	-1.23	
		<i>For >400, Deduct</i>	-1.84	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.25	
		<i>For Tinted Glass, Add</i>	5.11	
		<i>For Reflective Coated Glass, Add</i>	9.20	
		<i>For Low-E Coated Glass, Add</i>	5.11	
		<i>For One Piece Heat Strengthened Glass, Add</i>	4.09	
		<i>For One Piece Fully Tempered Glass, Add</i>	4.09	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	36.55	
		<i>For >50 To 200, Deduct</i>	-0.69	
		<i>For >200 To 400, Deduct</i>	-1.38	
		<i>For >400, Deduct</i>	-2.07	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.56	
		<i>For Tinted Glass, Add</i>	5.75	
		<i>For Reflective Coated Glass, Add</i>	10.35	
		<i>For Low-E Coated Glass, Add</i>	5.75	
		<i>For One Piece Heat Strengthened Glass, Add</i>	4.60	
		<i>For One Piece Fully Tempered Glass, Add</i>	4.60	
08 81 23 23-0051		Insulated Field Installed Glass (08 81 23 23)		
08 81 23 23-0052		Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass.....	18.58	
		Note: Two 3/32" lites with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.24	
		<i>For >200 To 400, Deduct</i>	-0.48	
		<i>For >400, Deduct</i>	-0.72	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.60	
		<i>For Tinted Glass, Add</i>	2.00	
		<i>For Reflective Coated Glass, Add</i>	3.59	
		<i>For Low-E Coated Glass, Add</i>	2.00	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.60	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.60	
		<i>For One Piece Obscure Glass, Add</i>	3.39	
		<i>For Argon Gas, Add</i>	1.10	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass.....	19.76	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.26	
		<i>For >200 To 400, Deduct</i>	-0.52	
		<i>For >400, Deduct</i>	-0.78	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.04	
		<i>For Tinted Glass, Add</i>	2.18	
		<i>For Reflective Coated Glass, Add</i>	3.92	
		<i>For Low-E Coated Glass, Add</i>	2.18	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.74	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.74	
		<i>For One Piece Obscure Glass, Add</i>	3.71	
		<i>For Argon Gas, Add</i>	1.20	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass.....	19.97	
		Note: Two 3/16" lites with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.26	
		<i>For >200 To 400, Deduct</i>	-0.52	
		<i>For >400, Deduct</i>	-0.79	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.23	
		<i>For Tinted Glass, Add</i>	2.19	
		<i>For Reflective Coated Glass, Add</i>	3.93	
		<i>For Low-E Coated Glass, Add</i>	2.19	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.75	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.75	
		<i>For One Piece Obscure Glass, Add</i>	3.71	
		<i>For Argon Gas, Add</i>	1.20	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass.....	19.01	
		Note: Two 3/32" lites with 1/4" air space.		
		<i>For >50 To 200, Deduct</i>	-0.25	
		<i>For >200 To 400, Deduct</i>	-0.49	
		<i>For >400, Deduct</i>	-0.74	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.79	
		<i>For Tinted Glass, Add</i>	2.06	
		<i>For Reflective Coated Glass, Add</i>	3.70	
		<i>For Low-E Coated Glass, Add</i>	2.06	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.64	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.64	
		<i>For One Piece Obscure Glass, Add</i>	3.49	
		<i>For Argon Gas, Add</i>	1.13	

08 Openings**08 80 Glazing****08 81 Glass Glazing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	19.76
		Note: Two 1/8" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.52
		For >400, Deduct	-0.78
		For Glass Removal And Preparing Opening For New Glazing, Add	11.04
		For Tinted Glass, Add	2.18
		For Reflective Coated Glass, Add	3.92
		For Low-E Coated Glass, Add	2.18
		For One Piece Heat Strengthened Glass, Add	1.74
		For One Piece Fully Tempered Glass, Add	1.74
		For One Piece Obscure Glass, Add	3.71
		For Argon Gas, Add	1.20
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	20.60
		Note: Two 3/16" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	11.78
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	20.60
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	11.78
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	20.09
		Note: Two 1/4" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.28
		For >200 To 400, Deduct	-0.55
		For >400, Deduct	-0.83
		For Glass Removal And Preparing Opening For New Glazing, Add	12.85
		For Tinted Glass, Add	2.31
		For Reflective Coated Glass, Add	4.16
		For Low-E Coated Glass, Add	2.31
		For One Piece Heat Strengthened Glass, Add	1.85
		For One Piece Fully Tempered Glass, Add	1.85
		For One Piece Obscure Glass, Add	3.93
		For Argon Gas, Add	1.27
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	20.60
		Note: Two 1/8" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	11.78
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	22.09
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.28
		For >200 To 400, Deduct	-0.55
		For >400, Deduct	-0.83
		For Glass Removal And Preparing Opening For New Glazing, Add	12.85
		For Tinted Glass, Add	2.31
		For Reflective Coated Glass, Add	4.16
		For Low-E Coated Glass, Add	2.31
		For One Piece Heat Strengthened Glass, Add	1.85
		For One Piece Fully Tempered Glass, Add	1.85
		For One Piece Obscure Glass, Add	3.93
		For Argon Gas, Add	1.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass .....23.37 Note: Two 1/4" lites with 3/8" air space. For >50 To 200, Deduct -0.31 For >200 To 400, Deduct -0.62 For >400, Deduct -0.92 For Glass Removal And Preparing Opening For New Glazing, Add 13.12 For Tinted Glass, Add 2.56 For Reflective Coated Glass, Add 4.61 For Low-E Coated Glass, Add 2.56 For One Piece Heat Strengthened Glass, Add 2.05 For One Piece Fully Tempered Glass, Add 2.05 For One Piece Obscure Glass, Add 4.36 For Argon Gas, Add 1.41		
08 81 23 23-0067			1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0062) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF		3/4" Thick, Insulated Field Installed Glass .....22.09 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -0.28 For >200 To 400, Deduct -0.55 For >400, Deduct -0.83 For Glass Removal And Preparing Opening For New Glazing, Add 12.85 For Tinted Glass, Add 2.31 For Reflective Coated Glass, Add 4.16 For Low-E Coated Glass, Add 2.31 For One Piece Heat Strengthened Glass, Add 1.85 For One Piece Fully Tempered Glass, Add 1.85 For One Piece Obscure Glass, Add 3.93 For Argon Gas, Add 1.27		
08 81 23 23-0069	SF		7/8" Thick, Insulated Field Installed Glass .....23.37 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -0.31 For >200 To 400, Deduct -0.62 For >400, Deduct -0.92 For Glass Removal And Preparing Opening For New Glazing, Add 13.12 For Tinted Glass, Add 2.56 For Reflective Coated Glass, Add 4.61 For Low-E Coated Glass, Add 2.56 For One Piece Heat Strengthened Glass, Add 2.05 For One Piece Fully Tempered Glass, Add 2.05 For One Piece Obscure Glass, Add 4.36 For Argon Gas, Add 1.41		
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass .....23.37 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -0.31 For >200 To 400, Deduct -0.62 For >400, Deduct -0.92 For Glass Removal And Preparing Opening For New Glazing, Add 13.12 For Tinted Glass, Add 2.56 For Reflective Coated Glass, Add 4.61 For Low-E Coated Glass, Add 2.56 For One Piece Heat Strengthened Glass, Add 2.05 For One Piece Fully Tempered Glass, Add 2.05 For One Piece Obscure Glass, Add 4.36 For Argon Gas, Add 1.41		
08 81 23 23-0071	SF		1" Thick, Insulated Field Installed Glass .....24.46 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.34 For >200 To 400, Deduct -0.67 For >400, Deduct -1.01 For Glass Removal And Preparing Opening For New Glazing, Add 13.25 For Tinted Glass, Add 2.80 For Reflective Coated Glass, Add 5.04 For Low-E Coated Glass, Add 2.80 For One Piece Heat Strengthened Glass, Add 2.24 For One Piece Fully Tempered Glass, Add 2.24 For One Piece Obscure Glass, Add 4.76 For Argon Gas, Add 1.54		
08 81 23 23-0072			Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0073	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass .....62.17 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -1.34 For >200 To 400, Deduct -2.69 For >400, Deduct -4.03 For Glass Removal And Preparing Opening For New Glazing, Add 17.35 For Tinted Glass, Add 11.21 For Reflective Coated Glass, Add 20.17 For Low-E Coated Glass, Add 11.21 For Argon Gas, Add 6.16		
08 81 23 23-0074			Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0075			Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0076	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass .....20.27 For Glass Removal And Preparing Opening For New Glazing, Add 10.52		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0077	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.18 10.52	
08 81 23 23-0078			Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0079			1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0078) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.45 10.52	
08 81 23 23-0081	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.08 10.52	
08 81 23 23-0082			1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0078)		
08 81 23 23-0083	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.56 10.52	
08 81 23 23-0084	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.91 10.52	
08 83			Mirrors (08 80) Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13			Mirrored Glass Glazing (08 83)		
08 83 13 00-0001			Mirror Glass (08 83 13)		
08 83 13 00-0002			One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors)..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	36.57 -0.82 -1.36 -2.18	4.73
08 83 13 00-0004			Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	49.07 -1.19 -1.99 -3.18	4.73
08 83 13 00-0006			Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF		1/8" Clear Mirror Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	13.62 -0.18 -0.30 -0.48	3.79
08 83 13 00-0008	SF		3/16" Clear Mirror Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	16.03 -0.22 -0.37 -0.59	4.42
08 83 13 00-0009	SF		1/4" Clear Mirror Glass..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	17.52 -0.25 -0.41 -0.65	4.73
08 83 13 00-0010			Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF		1/8" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	20.54 -0.39 -0.65 -1.04	3.79
08 83 13 00-0012	SF		3/16" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	23.35 -0.44 -0.73 -1.17	4.42
08 83 13 00-0013	SF		1/4" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	25.68 -0.49 -0.82 -1.31	4.73
08 83 13 00-0014			Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF		1/4" Clear Mirror Glass With Laminated Safety Backing..... <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	26.16 -0.50 -0.84 -1.34	4.73
08 83 13 00-0016			Laminated Safety Mirror Glass (08 83 13 00-0001) Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF		1/4" Laminated Safety Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	52.34 -1.29 -2.15 -3.44	4.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 83 13 00-0018	Accessories For Mirror Glass <small>(08 83 13)</small>				
08 83 13 00-0019	LF		1/8" Aluminum J-Channel For Mounting Mirror Glass.....	3.49	
08 83 13 00-0020	LF		3/16" Aluminum J-Channel For Mounting Mirror Glass.....	3.57	
08 83 13 00-0021	LF		1/4" Aluminum J-Channel For Mounting Mirror Glass.....	4.66	
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass.....	6.19	

08 83 13 00-0023	Removal And Reinstallation Of Mirror Glass <small>(08 83 13)</small>				
Note: Including storage, cleaning and supply materials.					
08 83 13 00-0024	SF		Removal And Reinstallation Of Mirror Unframed.....	11.99	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.83	

08 84 Plastic Glazing (08 80)

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) <small>(08 84)</small>				
See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.					
08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan).....	14.36	
			<i>For >50 To 200, Deduct</i>	-0.42	
			<i>For >200 To 400, Deduct</i>	-0.84	
			<i>For >400, Deduct</i>	-1.26	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.95	
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan).....	15.20	
			<i>For >50 To 200, Deduct</i>	-0.45	
			<i>For >200 To 400, Deduct</i>	-0.90	
			<i>For >400, Deduct</i>	-1.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.19	
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan).....	18.64	
			<i>For >50 To 200, Deduct</i>	-0.61	
			<i>For >200 To 400, Deduct</i>	-1.22	
			<i>For >400, Deduct</i>	-1.83	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.43	
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan).....	28.55	
			<i>For >50 To 200, Deduct</i>	-1.10	
			<i>For >200 To 400, Deduct</i>	-2.19	
			<i>For >400, Deduct</i>	-3.29	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.62	
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan).....	36.89	
			<i>For >50 To 200, Deduct</i>	-1.49	
			<i>For >200 To 400, Deduct</i>	-2.98	
			<i>For >400, Deduct</i>	-4.47	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.09	

08 84 00 00-0007	Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) <small>(08 84)</small>				
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	23.24	
			<i>For >50 To 200, Deduct</i>	-0.86	
			<i>For >200 To 400, Deduct</i>	-1.73	
			<i>For >400, Deduct</i>	-2.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.95	
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	27.47	
			<i>For >50 To 200, Deduct</i>	-1.06	
			<i>For >200 To 400, Deduct</i>	-2.13	
			<i>For >400, Deduct</i>	-3.19	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.19	
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	29.07	
			<i>For >50 To 200, Deduct</i>	-1.13	
			<i>For >200 To 400, Deduct</i>	-2.26	
			<i>For >400, Deduct</i>	-3.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.43	
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	50.36	
			<i>For >50 To 200, Deduct</i>	-2.19	
			<i>For >200 To 400, Deduct</i>	-4.37	
			<i>For >400, Deduct</i>	-6.56	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.62	
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	53.45	
			<i>For >50 To 200, Deduct</i>	-2.32	
			<i>For >200 To 400, Deduct</i>	-4.64	
			<i>For >400, Deduct</i>	-6.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.09	

08 84 00 00-0013	Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small>				
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas).....	9.70	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.40	
			<i>For >400, Deduct</i>	-0.60	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.68	
			<i>For Colored, Add</i>	0.80	
			<i>For Shatterproof, Add</i>	2.41	
			<i>For Mirrored, Add</i>	3.22	
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas).....	10.02	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.41	
			<i>For >400, Deduct</i>	-0.61	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	5.95	
			<i>For Colored, Add</i>	0.81	
			<i>For Shatterproof, Add</i>	2.44	
			<i>For Mirrored, Add</i>	3.26	

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	12.54
		<i>For >50 To 200, Deduct</i>	-0.32
		<i>For >200 To 400, Deduct</i>	-0.64
		<i>For >400, Deduct</i>	-0.95
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.19
		<i>For Colored, Add</i>	1.27
		<i>For Shatterproof, Add</i>	3.81
		<i>For Mirrored, Add</i>	5.08
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	14.79
		<i>For >50 To 200, Deduct</i>	-0.42
		<i>For >200 To 400, Deduct</i>	-0.84
		<i>For >400, Deduct</i>	-1.25
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.43
		<i>For Colored, Add</i>	1.67
		<i>For Shatterproof, Add</i>	5.02
		<i>For Mirrored, Add</i>	6.69
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	15.23
		<i>For >50 To 200, Deduct</i>	-0.44
		<i>For >200 To 400, Deduct</i>	-0.88
		<i>For >400, Deduct</i>	-1.31
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.47
		<i>For Colored, Add</i>	1.75
		<i>For Shatterproof, Add</i>	5.26
		<i>For Mirrored, Add</i>	7.01
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.78
		<i>For >50 To 200, Deduct</i>	-0.46
		<i>For >200 To 400, Deduct</i>	-0.92
		<i>For >400, Deduct</i>	-1.37
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.62
		<i>For Colored, Add</i>	1.83
		<i>For Shatterproof, Add</i>	5.50
		<i>For Mirrored, Add</i>	7.33
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	19.20
		<i>For >50 To 200, Deduct</i>	-0.61
		<i>For >200 To 400, Deduct</i>	-1.21
		<i>For >400, Deduct</i>	-1.82
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.09
		<i>For Colored, Add</i>	2.42
		<i>For Shatterproof, Add</i>	7.27
		<i>For Mirrored, Add</i>	9.69
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	27.85
		<i>For >50 To 200, Deduct</i>	-0.94
		<i>For >200 To 400, Deduct</i>	-1.89
		<i>For >400, Deduct</i>	-2.83
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.98
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	38.77
		<i>For >50 To 200, Deduct</i>	-1.45
		<i>For >200 To 400, Deduct</i>	-2.90
		<i>For >400, Deduct</i>	-4.35
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.75

08 87 Glazing Surface Films (08 80)**08 87 13 Solar Control Films (08 87)**

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001		Solar Control Window Films (08 87 13)	
		Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.	
08 87 13 00-0002	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	10.17
08 87 13 00-0003	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	10.60

08 87 23 Safety and Security Films (08 87)**08 87 23 16 Security Films (08 87 23)**

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001		High Performance, Security And Safety Glazing Films (08 87 23 16)	
		Note: Includes cleaning of window glazing prior to installation.	
08 87 23 16-0002		Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	10.37
		<i>For >1,000 To 5,000, Deduct</i>	-0.46
		<i>For >5,000, Deduct</i>	-0.71
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	11.19
		<i>For >1,000 To 5,000, Deduct</i>	-0.49
		<i>For >5,000, Deduct</i>	-0.79
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	12.34
		<i>For >1,000 To 5,000, Deduct</i>	-0.53
		<i>For >5,000, Deduct</i>	-0.90
08 87 23 16-0006		Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	12.10
		<i>For >1,000 To 5,000, Deduct</i>	-0.53
		<i>For >5,000, Deduct</i>	-0.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) For >1,000 To 5,000, Deduct For >5,000, Deduct	12.10 -0.53 -0.88	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) For >1,000 To 5,000, Deduct For >5,000, Deduct	12.10 -0.53 -0.88	
08 87 23 16-0010			Security And Safety Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) For >1,000 To 5,000, Deduct For >5,000, Deduct	9.46 -0.43 -0.62	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) For >1,000 To 5,000, Deduct For >5,000, Deduct	9.68 -0.44 -0.64	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) For >1,000 To 5,000, Deduct For >5,000, Deduct	11.75 -0.51 -0.85	
08 87 23 16-0014			Anti-Graffiti Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4) For >1,000 To 5,000, Deduct For >5,000, Deduct	9.46 -0.43 -0.62	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7) For >1,000 To 5,000, Deduct For >5,000, Deduct	9.68 -0.44 -0.64	
08 88			Special Function Glazing (08 80)		
08 88 49			Radiation-Resistant Glazing (08 88)		
08 88 49 00-0001			Leaded Glass (X-Ray Shielding) (08 88 49)		
08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence For Glass Removal And Preparing Opening For New Glazing, Add	250.50 11.98	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence For Glass Removal And Preparing Opening For New Glazing, Add	374.21 11.98	
08 88 53			Security Glazing (08 88)		
08 88 53 00-0001			Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002			Ballistic Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF For Glass Removal And Preparing Opening For New Glazing, Add	100.45 39.11	
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF For Glass Removal And Preparing Opening For New Glazing, Add	121.23 39.11	
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF For Glass Removal And Preparing Opening For New Glazing, Add	137.61 44.17	
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF For Glass Removal And Preparing Opening For New Glazing, Add	154.97 44.17	
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF For Glass Removal And Preparing Opening For New Glazing, Add	175.99 50.47	
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF For Glass Removal And Preparing Opening For New Glazing, Add	189.95 50.47	
08 88 53 00-0009			Forced Entry Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet For Glass Removal And Preparing Opening For New Glazing, Add	31.26 9.85	
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet For Glass Removal And Preparing Opening For New Glazing, Add	35.55 10.52	
08 88 53 00-0012	SF		1 1/16" Forced Entry Resistant Laminated Glass Sheet For Glass Removal And Preparing Opening For New Glazing, Add	40.60 11.27	
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet For Glass Removal And Preparing Opening For New Glazing, Add	45.86 12.13	
08 88 53 00-0014			Glass Clad Polycarbonate (08 88 53)		
08 88 53 00-0015	SF		0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF For Glass Removal And Preparing Opening For New Glazing, Add	151.40 47.94	
08 88 53 00-0016	SF		0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF For Glass Removal And Preparing Opening For New Glazing, Add	168.39 55.52	
08 88 53 00-0017	SF		0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF For Glass Removal And Preparing Opening For New Glazing, Add	218.95 63.09	
08 88 53 00-0018			Ballistic Resistant Acrylic (08 88 53)		
08 88 53 00-0019	SF		1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF For Glass Removal And Preparing Opening For New Glazing, Add	276.36 47.94	
08 88 53 00-0020	SF		1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF For Glass Removal And Preparing Opening For New Glazing, Add	324.25 55.52	

08 Openings**08 80 Glazing****08 88 Special Function Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0021	SF		1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	439.31 63.09	
08 88 53 00-0022			Ballistic Resistant Fiberglass (08 88 53)		
08 88 53 00-0023	SF		5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	62.14 23.98	
08 88 53 00-0024	SF		3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.79 27.76	
08 88 53 00-0025	SF		7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	83.67 31.54	
08 88 53 00-0026			Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)		
08 88 53 00-0027			Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026) Note: GE-Lexan MR10.		
08 88 53 00-0028	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	75.38 38.24	
08 88 53 00-0029			Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF		9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	93.17 47.32	
08 88 53 00-0031			Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	116.65 50.47	
08 88 53 00-0033			Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF		7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	128.32 53.63	
08 88 53 00-0035			Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF		1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	109.56 47.32	
08 88 53 00-0037			Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038	SF		1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	253.99 104.72	
08 88 53 00-0039	SF		1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	257.51 104.72	
08 88 53 00-0040			Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF		1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	168.78 70.65	

08 90 Louvers and Vents (08)**08 91 Louvers** (08 90)**08 91 13 Motorized Wall Louvers** (08 91)**08 91 13 00-0001 Motorized Wall Louver Actuator** (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA		115 Volt Actuator For Adjustable Intake Louver.....	1,459.60	65.61
08 91 13 00-0003	EA		230 Volt Actuator For Adjustable Intake Louver.....	2,277.76	65.61
08 91 13 00-0004	EA		24 Volt Actuator For Adjustable Intake Louver.....	1,576.22	65.61
08 91 13 00-0005	EA		115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	6,378.62	65.61

08 91 16 Operable Wall Louvers (08 91)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 16 00-0001		Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	409.20	17.37
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	37.45	
		For Clear Lacquer Finish, Add	74.89	
		For Baked Enamel Standard Colors, Add	112.34	
		For Anodized Finish, Add	149.78	
		For Kynar® Standard Colors Finish, Add	205.95	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	511.68	21.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	46.92	
		For Clear Lacquer Finish, Add	93.84	
		For Baked Enamel Standard Colors, Add	140.77	
		For Anodized Finish, Add	187.69	
		For Kynar® Standard Colors Finish, Add	258.07	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	605.03	25.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	55.49	
		For Clear Lacquer Finish, Add	110.97	
		For Baked Enamel Standard Colors, Add	166.46	
		For Anodized Finish, Add	221.94	
		For Kynar® Standard Colors Finish, Add	305.17	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	708.42	28.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	65.05	
		For Clear Lacquer Finish, Add	130.11	
		For Baked Enamel Standard Colors, Add	195.16	
		For Anodized Finish, Add	260.21	
		For Kynar® Standard Colors Finish, Add	357.79	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	798.13	32.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.25	
		For Clear Lacquer Finish, Add	146.50	
		For Baked Enamel Standard Colors, Add	219.76	
		For Anodized Finish, Add	293.01	
		For Kynar® Standard Colors Finish, Add	402.89	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	943.44	36.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.01	
		For Clear Lacquer Finish, Add	174.02	
		For Baked Enamel Standard Colors, Add	261.03	
		For Anodized Finish, Add	348.04	
		For Kynar® Standard Colors Finish, Add	478.56	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,075.98	40.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	99.49	
		For Clear Lacquer Finish, Add	198.98	
		For Baked Enamel Standard Colors, Add	298.48	
		For Anodized Finish, Add	397.97	
		For Kynar® Standard Colors Finish, Add	547.21	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,194.16	46.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	110.15	
		For Clear Lacquer Finish, Add	220.30	
		For Baked Enamel Standard Colors, Add	330.46	
		For Anodized Finish, Add	440.61	
		For Kynar® Standard Colors Finish, Add	605.84	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,273.86	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	117.35	
		For Clear Lacquer Finish, Add	234.70	
		For Baked Enamel Standard Colors, Add	352.05	
		For Anodized Finish, Add	469.40	
		For Kynar® Standard Colors Finish, Add	645.43	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,374.51	54.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	126.64	
		For Clear Lacquer Finish, Add	253.29	
		For Baked Enamel Standard Colors, Add	379.93	
		For Anodized Finish, Add	506.57	
		For Kynar® Standard Colors Finish, Add	696.54	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,462.41	57.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	134.66	
		For Clear Lacquer Finish, Add	269.32	
		For Baked Enamel Standard Colors, Add	403.98	
		For Anodized Finish, Add	538.64	
		For Kynar® Standard Colors Finish, Add	740.64	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,575.81	61.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.23	
		For Clear Lacquer Finish, Add	290.46	
		For Baked Enamel Standard Colors, Add	435.69	
		For Anodized Finish, Add	580.92	
		For Kynar® Standard Colors Finish, Add	798.76	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,684.67	65.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	155.34	
		For Clear Lacquer Finish, Add	310.69	
		For Baked Enamel Standard Colors, Add	466.03	
		For Anodized Finish, Add	621.37	
		For Kynar® Standard Colors Finish, Add	854.39	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,819.24	71.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	167.64	
		For Clear Lacquer Finish, Add	335.28	
		For Baked Enamel Standard Colors, Add	502.93	
		For Anodized Finish, Add	670.57	
		For Kynar® Standard Colors Finish, Add	922.03	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,917.37	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	176.30	
		For Clear Lacquer Finish, Add	352.60	
		For Baked Enamel Standard Colors, Add	528.89	
		For Anodized Finish, Add	705.19	
		For Kynar® Standard Colors Finish, Add	969.64	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	457.92	21.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	41.55	
		For Clear Lacquer Finish, Add	83.09	
		For Baked Enamel Standard Colors, Add	124.64	
		For Anodized Finish, Add	166.18	
		For Kynar® Standard Colors Finish, Add	228.50	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	577.91	27.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	52.39	
		For Clear Lacquer Finish, Add	104.78	
		For Baked Enamel Standard Colors, Add	157.16	
		For Anodized Finish, Add	209.55	
		For Kynar® Standard Colors Finish, Add	288.13	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	678.56	30.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	61.68	
		For Clear Lacquer Finish, Add	123.36	
		For Baked Enamel Standard Colors, Add	185.04	
		For Anodized Finish, Add	246.72	
		For Kynar® Standard Colors Finish, Add	339.25	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	844.35	38.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	76.72	
		For Clear Lacquer Finish, Add	153.43	
		For Baked Enamel Standard Colors, Add	230.15	
		For Anodized Finish, Add	306.86	
		For Kynar® Standard Colors Finish, Add	421.93	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	961.40	42.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.65	
		For Clear Lacquer Finish, Add	175.30	
		For Baked Enamel Standard Colors, Add	262.94	
		For Anodized Finish, Add	350.59	
		For Kynar® Standard Colors Finish, Add	482.06	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,078.45	46.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	98.58	
		For Clear Lacquer Finish, Add	197.16	
		For Baked Enamel Standard Colors, Add	295.74	
		For Anodized Finish, Add	394.32	
		For Kynar® Standard Colors Finish, Add	542.20	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,219.19	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	111.88	
		For Clear Lacquer Finish, Add	223.77	
		For Baked Enamel Standard Colors, Add	335.65	
		For Anodized Finish, Add	447.53	
		For Kynar® Standard Colors Finish, Add	615.36	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,351.95	55.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	124.00	
		For Clear Lacquer Finish, Add	248.00	
		For Baked Enamel Standard Colors, Add	372.00	
		For Anodized Finish, Add	496.00	
		For Kynar® Standard Colors Finish, Add	682.01	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,457.37	61.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	133.39	
		For Clear Lacquer Finish, Add	266.77	
		For Baked Enamel Standard Colors, Add	400.16	
		For Anodized Finish, Add	533.54	
		For Kynar® Standard Colors Finish, Add	733.62	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,559.84	65.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	142.86	
		For Clear Lacquer Finish, Add	285.72	
		For Baked Enamel Standard Colors, Add	428.58	
		For Anodized Finish, Add	571.44	
		For Kynar® Standard Colors Finish, Add	785.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,655.94	69.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.70	
			For Clear Lacquer Finish, Add	303.40	
			For Baked Enamel Standard Colors, Add	455.09	
			For Anodized Finish, Add	606.79	
			For Kynar® Standard Colors Finish, Add	834.34	
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,781.19	73.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.45	
			For Clear Lacquer Finish, Add	326.90	
			For Baked Enamel Standard Colors, Add	490.35	
			For Anodized Finish, Add	653.80	
			For Kynar® Standard Colors Finish, Add	898.98	
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,901.88	77.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.75	
			For Clear Lacquer Finish, Add	349.50	
			For Baked Enamel Standard Colors, Add	524.25	
			For Anodized Finish, Add	699.00	
			For Kynar® Standard Colors Finish, Add	961.12	
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,048.30	82.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	188.23	
			For Clear Lacquer Finish, Add	376.47	
			For Baked Enamel Standard Colors, Add	564.70	
			For Anodized Finish, Add	752.93	
			For Kynar® Standard Colors Finish, Add	1,035.28	
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,158.28	88.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	198.07	
			For Clear Lacquer Finish, Add	396.15	
			For Baked Enamel Standard Colors, Add	594.22	
			For Anodized Finish, Add	792.29	
			For Kynar® Standard Colors Finish, Add	1,089.40	
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	511.19	25.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	46.10	
			For Clear Lacquer Finish, Add	92.20	
			For Baked Enamel Standard Colors, Add	138.31	
			For Anodized Finish, Add	184.41	
			For Kynar® Standard Colors Finish, Add	253.56	
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	649.41	30.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	58.77	
			For Clear Lacquer Finish, Add	117.53	
			For Baked Enamel Standard Colors, Add	176.30	
			For Anodized Finish, Add	235.06	
			For Kynar® Standard Colors Finish, Add	323.21	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	805.86	36.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	73.25	
			For Clear Lacquer Finish, Add	146.50	
			For Baked Enamel Standard Colors, Add	219.76	
			For Anodized Finish, Add	293.01	
			For Kynar® Standard Colors Finish, Add	402.89	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	949.77	44.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.10	
			For Clear Lacquer Finish, Add	172.20	
			For Baked Enamel Standard Colors, Add	258.30	
			For Anodized Finish, Add	344.40	
			For Kynar® Standard Colors Finish, Add	473.54	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,078.67	48.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.22	
			For Clear Lacquer Finish, Add	196.43	
			For Baked Enamel Standard Colors, Add	294.65	
			For Anodized Finish, Add	392.87	
			For Kynar® Standard Colors Finish, Add	540.19	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,214.85	52.10
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.06	
			For Clear Lacquer Finish, Add	222.13	
			For Baked Enamel Standard Colors, Add	333.19	
			For Anodized Finish, Add	444.25	
			For Kynar® Standard Colors Finish, Add	610.85	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,382.23	57.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	126.64	
			For Clear Lacquer Finish, Add	253.29	
			For Baked Enamel Standard Colors, Add	379.93	
			For Anodized Finish, Add	506.57	
			For Kynar® Standard Colors Finish, Add	696.54	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,521.58	65.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.03	
			For Clear Lacquer Finish, Add	278.07	
			For Baked Enamel Standard Colors, Add	417.10	
			For Anodized Finish, Add	556.14	
			For Kynar® Standard Colors Finish, Add	764.69	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,631.34	69.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	149.24	
		For Clear Lacquer Finish, Add	298.48	
		For Baked Enamel Standard Colors, Add	447.71	
		For Anodized Finish, Add	596.95	
		For Kynar® Standard Colors Finish, Add	820.81	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,748.81	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	159.44	
		For Clear Lacquer Finish, Add	318.88	
		For Baked Enamel Standard Colors, Add	478.33	
		For Anodized Finish, Add	637.77	
		For Kynar® Standard Colors Finish, Add	876.93	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,860.40	81.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	169.83	
		For Clear Lacquer Finish, Add	339.66	
		For Baked Enamel Standard Colors, Add	509.49	
		For Anodized Finish, Add	679.32	
		For Kynar® Standard Colors Finish, Add	934.06	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,012.99	84.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	184.32	
		For Clear Lacquer Finish, Add	368.63	
		For Baked Enamel Standard Colors, Add	552.95	
		For Anodized Finish, Add	737.26	
		For Kynar® Standard Colors Finish, Add	1,013.74	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,141.88	88.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	196.43	
		For Clear Lacquer Finish, Add	392.87	
		For Baked Enamel Standard Colors, Add	589.30	
		For Anodized Finish, Add	785.73	
		For Kynar® Standard Colors Finish, Add	1,080.38	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,303.79	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	211.47	
		For Clear Lacquer Finish, Add	422.93	
		For Baked Enamel Standard Colors, Add	634.40	
		For Anodized Finish, Add	845.86	
		For Kynar® Standard Colors Finish, Add	1,163.06	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,421.97	100.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	222.13	
		For Clear Lacquer Finish, Add	444.25	
		For Baked Enamel Standard Colors, Add	666.38	
		For Anodized Finish, Add	888.50	
		For Kynar® Standard Colors Finish, Add	1,221.69	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	569.02	28.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	51.11	
		For Clear Lacquer Finish, Add	102.23	
		For Baked Enamel Standard Colors, Add	153.34	
		For Anodized Finish, Add	204.45	
		For Kynar® Standard Colors Finish, Add	281.12	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	757.79	38.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	68.06	
		For Clear Lacquer Finish, Add	136.12	
		For Baked Enamel Standard Colors, Add	204.18	
		For Anodized Finish, Add	272.24	
		For Kynar® Standard Colors Finish, Add	374.32	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	900.57	44.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.18	
		For Clear Lacquer Finish, Add	162.36	
		For Baked Enamel Standard Colors, Add	243.54	
		For Anodized Finish, Add	324.72	
		For Kynar® Standard Colors Finish, Add	446.48	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,057.02	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	95.67	
		For Clear Lacquer Finish, Add	191.33	
		For Baked Enamel Standard Colors, Add	287.00	
		For Anodized Finish, Add	382.66	
		For Kynar® Standard Colors Finish, Add	526.16	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,197.76	54.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	108.97	
		For Clear Lacquer Finish, Add	217.94	
		For Baked Enamel Standard Colors, Add	326.90	
		For Anodized Finish, Add	435.87	
		For Kynar® Standard Colors Finish, Add	599.32	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,342.36	59.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	122.27	
		For Clear Lacquer Finish, Add	244.54	
		For Baked Enamel Standard Colors, Add	366.81	
		For Anodized Finish, Add	489.08	
		For Kynar® Standard Colors Finish, Add	672.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,517.72	63.68
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	139.03	
			For Clear Lacquer Finish, Add	278.07	
			For Baked Enamel Standard Colors, Add	417.10	
			For Anodized Finish, Add	556.14	
			For Kynar® Standard Colors Finish, Add	764.69	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,665.96	69.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	152.70	
			For Clear Lacquer Finish, Add	305.40	
			For Baked Enamel Standard Colors, Add	458.10	
			For Anodized Finish, Add	610.80	
			For Kynar® Standard Colors Finish, Add	839.85	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,788.48	73.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.18	
			For Clear Lacquer Finish, Add	328.36	
			For Baked Enamel Standard Colors, Add	492.54	
			For Anodized Finish, Add	656.72	
			For Kynar® Standard Colors Finish, Add	902.99	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,920.53	81.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	175.84	
			For Clear Lacquer Finish, Add	351.68	
			For Baked Enamel Standard Colors, Add	527.53	
			For Anodized Finish, Add	703.37	
			For Kynar® Standard Colors Finish, Add	967.13	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,047.82	86.85
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	187.41	
			For Clear Lacquer Finish, Add	374.83	
			For Baked Enamel Standard Colors, Add	562.24	
			For Anodized Finish, Add	749.65	
			For Kynar® Standard Colors Finish, Add	1,030.77	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,210.43	90.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	202.90	
			For Clear Lacquer Finish, Add	405.80	
			For Baked Enamel Standard Colors, Add	608.71	
			For Anodized Finish, Add	811.61	
			For Kynar® Standard Colors Finish, Add	1,115.96	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,351.17	94.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	216.20	
			For Clear Lacquer Finish, Add	432.41	
			For Baked Enamel Standard Colors, Add	648.61	
			For Anodized Finish, Add	864.82	
			For Kynar® Standard Colors Finish, Add	1,189.12	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,521.28	100.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.06	
			For Clear Lacquer Finish, Add	464.11	
			For Baked Enamel Standard Colors, Add	696.17	
			For Anodized Finish, Add	928.23	
			For Kynar® Standard Colors Finish, Add	1,276.31	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,655.87	106.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.36	
			For Clear Lacquer Finish, Add	488.71	
			For Baked Enamel Standard Colors, Add	733.07	
			For Anodized Finish, Add	977.43	
			For Kynar® Standard Colors Finish, Add	1,343.96	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	622.29	32.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.67	
			For Clear Lacquer Finish, Add	111.34	
			For Baked Enamel Standard Colors, Add	167.00	
			For Anodized Finish, Add	222.67	
			For Kynar® Standard Colors Finish, Add	306.17	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	843.87	42.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	75.90	
			For Clear Lacquer Finish, Add	151.79	
			For Baked Enamel Standard Colors, Add	227.69	
			For Anodized Finish, Add	303.58	
			For Kynar® Standard Colors Finish, Add	417.42	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	987.56	48.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	89.11	
			For Clear Lacquer Finish, Add	178.21	
			For Baked Enamel Standard Colors, Add	267.32	
			For Anodized Finish, Add	356.42	
			For Kynar® Standard Colors Finish, Add	490.08	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,159.49	54.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.14	
			For Clear Lacquer Finish, Add	210.28	
			For Baked Enamel Standard Colors, Add	315.42	
			For Anodized Finish, Add	420.56	
			For Kynar® Standard Colors Finish, Add	578.28	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,319.08	58.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	120.17	
		For Clear Lacquer Finish, Add	240.35	
		For Baked Enamel Standard Colors, Add	360.52	
		For Anodized Finish, Add	480.70	
		For Kynar® Standard Colors Finish, Add	660.96	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,468.52	63.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	134.11	
		For Clear Lacquer Finish, Add	268.23	
		For Baked Enamel Standard Colors, Add	402.34	
		For Anodized Finish, Add	536.46	
		For Kynar® Standard Colors Finish, Add	737.63	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,664.84	67.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	152.97	
		For Clear Lacquer Finish, Add	305.95	
		For Baked Enamel Standard Colors, Add	458.92	
		For Anodized Finish, Add	611.90	
		For Kynar® Standard Colors Finish, Add	841.36	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,832.22	73.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	168.55	
		For Clear Lacquer Finish, Add	337.11	
		For Baked Enamel Standard Colors, Add	505.66	
		For Anodized Finish, Add	674.22	
		For Kynar® Standard Colors Finish, Add	927.05	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,967.69	79.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	180.94	
		For Clear Lacquer Finish, Add	361.89	
		For Baked Enamel Standard Colors, Add	542.83	
		For Anodized Finish, Add	723.78	
		For Kynar® Standard Colors Finish, Add	995.19	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,106.83	84.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.70	
		For Clear Lacquer Finish, Add	387.40	
		For Baked Enamel Standard Colors, Add	581.10	
		For Anodized Finish, Add	774.80	
		For Kynar® Standard Colors Finish, Add	1,065.35	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,250.52	90.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	206.91	
		For Clear Lacquer Finish, Add	413.82	
		For Baked Enamel Standard Colors, Add	620.73	
		For Anodized Finish, Add	827.64	
		For Kynar® Standard Colors Finish, Add	1,138.01	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,428.61	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	223.95	
		For Clear Lacquer Finish, Add	447.90	
		For Baked Enamel Standard Colors, Add	671.84	
		For Anodized Finish, Add	895.79	
		For Kynar® Standard Colors Finish, Add	1,231.71	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,580.29	98.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	238.34	
		For Clear Lacquer Finish, Add	476.69	
		For Baked Enamel Standard Colors, Add	715.03	
		For Anodized Finish, Add	953.38	
		For Kynar® Standard Colors Finish, Add	1,310.89	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,773.18	104.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	256.48	
		For Clear Lacquer Finish, Add	512.95	
		For Baked Enamel Standard Colors, Add	769.43	
		For Anodized Finish, Add	1,025.90	
		For Kynar® Standard Colors Finish, Add	1,410.61	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,915.96	110.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	269.59	
		For Clear Lacquer Finish, Add	539.19	
		For Baked Enamel Standard Colors, Add	808.78	
		For Anodized Finish, Add	1,078.38	
		For Kynar® Standard Colors Finish, Add	1,482.77	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	712.93	36.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.96	
		For Clear Lacquer Finish, Add	127.92	
		For Baked Enamel Standard Colors, Add	191.88	
		For Anodized Finish, Add	255.84	
		For Kynar® Standard Colors Finish, Add	351.77	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	909.90	46.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.73	
		For Clear Lacquer Finish, Add	163.45	
		For Baked Enamel Standard Colors, Add	245.18	
		For Anodized Finish, Add	326.90	
		For Kynar® Standard Colors Finish, Add	449.49	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,069.99	52.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	96.58	
		For Clear Lacquer Finish, Add	193.15	
		For Baked Enamel Standard Colors, Add	289.73	
		For Anodized Finish, Add	386.31	
		For Kynar® Standard Colors Finish, Add	531.17	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,252.16	59.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.25	
		For Clear Lacquer Finish, Add	226.50	
		For Baked Enamel Standard Colors, Add	339.75	
		For Anodized Finish, Add	453.00	
		For Kynar® Standard Colors Finish, Add	622.88	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,422.96	63.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.56	
		For Clear Lacquer Finish, Add	259.12	
		For Baked Enamel Standard Colors, Add	388.67	
		For Anodized Finish, Add	518.23	
		For Kynar® Standard Colors Finish, Add	712.57	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,584.66	67.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.96	
		For Clear Lacquer Finish, Add	289.91	
		For Baked Enamel Standard Colors, Add	434.87	
		For Anodized Finish, Add	579.82	
		For Kynar® Standard Colors Finish, Add	797.26	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,798.29	71.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	165.55	
		For Clear Lacquer Finish, Add	331.09	
		For Baked Enamel Standard Colors, Add	496.64	
		For Anodized Finish, Add	662.19	
		For Kynar® Standard Colors Finish, Add	910.51	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,968.39	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	181.40	
		For Clear Lacquer Finish, Add	362.80	
		For Baked Enamel Standard Colors, Add	544.20	
		For Anodized Finish, Add	725.60	
		For Kynar® Standard Colors Finish, Add	997.70	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,121.19	82.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	195.52	
		For Clear Lacquer Finish, Add	391.04	
		For Baked Enamel Standard Colors, Add	586.57	
		For Anodized Finish, Add	782.09	
		For Kynar® Standard Colors Finish, Add	1,075.37	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,263.97	88.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	208.64	
		For Clear Lacquer Finish, Add	417.28	
		For Baked Enamel Standard Colors, Add	625.93	
		For Anodized Finish, Add	834.57	
		For Kynar® Standard Colors Finish, Add	1,147.53	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,420.41	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	223.13	
		For Clear Lacquer Finish, Add	446.26	
		For Baked Enamel Standard Colors, Add	669.38	
		For Anodized Finish, Add	892.51	
		For Kynar® Standard Colors Finish, Add	1,227.20	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,612.18	98.43
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	241.53	
		For Clear Lacquer Finish, Add	483.07	
		For Baked Enamel Standard Colors, Add	724.60	
		For Anodized Finish, Add	966.13	
		For Kynar® Standard Colors Finish, Add	1,328.43	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,778.43	102.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	257.39	
		For Clear Lacquer Finish, Add	514.77	
		For Baked Enamel Standard Colors, Add	772.16	
		For Anodized Finish, Add	1,029.54	
		For Kynar® Standard Colors Finish, Add	1,415.62	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,995.02	108.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	277.89	
		For Clear Lacquer Finish, Add	555.77	
		For Baked Enamel Standard Colors, Add	833.66	
		For Anodized Finish, Add	1,111.54	
		For Kynar® Standard Colors Finish, Add	1,528.37	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,144.17	113.87
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	291.64	
		For Clear Lacquer Finish, Add	583.29	
		For Baked Enamel Standard Colors, Add	874.93	
		For Anodized Finish, Add	1,166.57	
		For Kynar® Standard Colors Finish, Add	1,604.04	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	770.76	40.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	68.97	
		For Clear Lacquer Finish, Add	137.94	
		For Baked Enamel Standard Colors, Add	206.91	
		For Anodized Finish, Add	275.88	
		For Kynar® Standard Colors Finish, Add	379.34	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	980.48	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	88.01	
		For Clear Lacquer Finish, Add	176.02	
		For Baked Enamel Standard Colors, Add	264.04	
		For Anodized Finish, Add	352.05	
		For Kynar® Standard Colors Finish, Add	484.07	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,161.74	57.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	104.59	
		For Clear Lacquer Finish, Add	209.19	
		For Baked Enamel Standard Colors, Add	313.78	
		For Anodized Finish, Add	418.38	
		For Kynar® Standard Colors Finish, Add	575.27	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,350.08	63.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	122.27	
		For Clear Lacquer Finish, Add	244.54	
		For Baked Enamel Standard Colors, Add	366.81	
		For Anodized Finish, Add	489.08	
		For Kynar® Standard Colors Finish, Add	672.49	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,539.11	67.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	140.40	
		For Clear Lacquer Finish, Add	280.80	
		For Baked Enamel Standard Colors, Add	421.20	
		For Anodized Finish, Add	561.60	
		For Kynar® Standard Colors Finish, Add	772.21	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,721.76	71.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	157.89	
		For Clear Lacquer Finish, Add	315.79	
		For Baked Enamel Standard Colors, Add	473.68	
		For Anodized Finish, Add	631.58	
		For Kynar® Standard Colors Finish, Add	868.42	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,948.35	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	179.40	
		For Clear Lacquer Finish, Add	358.79	
		For Baked Enamel Standard Colors, Add	538.19	
		For Anodized Finish, Add	717.58	
		For Kynar® Standard Colors Finish, Add	986.68	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,134.86	82.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	196.89	
		For Clear Lacquer Finish, Add	393.78	
		For Baked Enamel Standard Colors, Add	590.67	
		For Anodized Finish, Add	787.56	
		For Kynar® Standard Colors Finish, Add	1,082.89	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,295.86	88.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	211.83	
		For Clear Lacquer Finish, Add	423.66	
		For Baked Enamel Standard Colors, Add	635.49	
		For Anodized Finish, Add	847.32	
		For Kynar® Standard Colors Finish, Add	1,165.07	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,459.59	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	227.05	
		For Clear Lacquer Finish, Add	454.09	
		For Baked Enamel Standard Colors, Add	681.14	
		For Anodized Finish, Add	908.18	
		For Kynar® Standard Colors Finish, Add	1,248.75	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,619.68	100.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	241.90	
		For Clear Lacquer Finish, Add	483.79	
		For Baked Enamel Standard Colors, Add	725.69	
		For Anodized Finish, Add	967.59	
		For Kynar® Standard Colors Finish, Add	1,330.43	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,836.95	104.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	262.85	
		For Clear Lacquer Finish, Add	525.70	
		For Baked Enamel Standard Colors, Add	788.56	
		For Anodized Finish, Add	1,051.41	
		For Kynar® Standard Colors Finish, Add	1,445.69	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,016.88	108.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	280.07	
		For Clear Lacquer Finish, Add	560.14	
		For Baked Enamel Standard Colors, Add	840.22	
		For Anodized Finish, Add	1,120.29	
		For Kynar® Standard Colors Finish, Add	1,540.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,239.62	111.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	301.57	
			For Clear Lacquer Finish, Add	603.15	
			For Baked Enamel Standard Colors, Add	904.72	
			For Anodized Finish, Add	1,206.30	
			For Kynar® Standard Colors Finish, Add	1,658.66	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,404.27	117.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	316.88	
			For Clear Lacquer Finish, Add	633.76	
			For Baked Enamel Standard Colors, Add	950.64	
			For Anodized Finish, Add	1,267.52	
			For Kynar® Standard Colors Finish, Add	1,742.85	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	895.32	46.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.27	
			For Clear Lacquer Finish, Add	160.54	
			For Baked Enamel Standard Colors, Add	240.80	
			For Anodized Finish, Add	321.07	
			For Kynar® Standard Colors Finish, Add	441.47	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,150.59	55.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	103.87	
			For Clear Lacquer Finish, Add	207.73	
			For Baked Enamel Standard Colors, Add	311.60	
			For Anodized Finish, Add	415.46	
			For Kynar® Standard Colors Finish, Add	571.26	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,348.47	65.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.72	
			For Clear Lacquer Finish, Add	243.45	
			For Baked Enamel Standard Colors, Add	365.17	
			For Anodized Finish, Add	486.89	
			For Kynar® Standard Colors Finish, Add	669.48	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,553.90	69.47
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	141.49	
			For Clear Lacquer Finish, Add	282.99	
			For Baked Enamel Standard Colors, Add	424.48	
			For Anodized Finish, Add	565.98	
			For Kynar® Standard Colors Finish, Add	778.22	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,777.55	73.34
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.09	
			For Clear Lacquer Finish, Add	326.17	
			For Baked Enamel Standard Colors, Add	489.26	
			For Anodized Finish, Add	652.35	
			For Kynar® Standard Colors Finish, Add	896.98	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,977.50	77.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.31	
			For Clear Lacquer Finish, Add	364.62	
			For Baked Enamel Standard Colors, Add	546.93	
			For Anodized Finish, Add	729.24	
			For Kynar® Standard Colors Finish, Add	1,002.71	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,241.46	82.99
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	207.55	
			For Clear Lacquer Finish, Add	415.10	
			For Baked Enamel Standard Colors, Add	622.65	
			For Anodized Finish, Add	830.20	
			For Kynar® Standard Colors Finish, Add	1,141.52	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,498.12	88.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.06	
			For Clear Lacquer Finish, Add	464.11	
			For Baked Enamel Standard Colors, Add	696.17	
			For Anodized Finish, Add	928.23	
			For Kynar® Standard Colors Finish, Add	1,276.31	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,689.19	94.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	250.01	
			For Clear Lacquer Finish, Add	500.01	
			For Baked Enamel Standard Colors, Add	750.02	
			For Anodized Finish, Add	1,000.02	
			For Kynar® Standard Colors Finish, Add	1,375.03	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,877.52	100.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	267.68	
			For Clear Lacquer Finish, Add	535.36	
			For Baked Enamel Standard Colors, Add	803.04	
			For Anodized Finish, Add	1,070.72	
			For Kynar® Standard Colors Finish, Add	1,472.25	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,060.17	104.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	285.17	
			For Clear Lacquer Finish, Add	570.35	
			For Baked Enamel Standard Colors, Add	855.52	
			For Anodized Finish, Add	1,140.70	
			For Kynar® Standard Colors Finish, Add	1,568.46	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,302.97	108.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	308.68	
		For Clear Lacquer Finish, Add	617.36	
		For Baked Enamel Standard Colors, Add	926.04	
		For Anodized Finish, Add	1,234.72	
		For Kynar® Standard Colors Finish, Add	1,697.75	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,504.75	111.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	328.09	
		For Clear Lacquer Finish, Add	656.17	
		For Baked Enamel Standard Colors, Add	984.26	
		For Anodized Finish, Add	1,312.35	
		For Kynar® Standard Colors Finish, Add	1,804.48	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,765.76	115.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	353.42	
		For Clear Lacquer Finish, Add	706.83	
		For Baked Enamel Standard Colors, Add	1,060.25	
		For Anodized Finish, Add	1,413.66	
		For Kynar® Standard Colors Finish, Add	1,943.79	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,958.65	121.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	371.55	
		For Clear Lacquer Finish, Add	743.09	
		For Baked Enamel Standard Colors, Add	1,114.64	
		For Anodized Finish, Add	1,486.19	
		For Kynar® Standard Colors Finish, Add	2,043.51	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	949.51	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	84.92	
		For Clear Lacquer Finish, Add	169.83	
		For Baked Enamel Standard Colors, Add	254.75	
		For Anodized Finish, Add	339.66	
		For Kynar® Standard Colors Finish, Add	467.03	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,225.04	61.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	110.15	
		For Clear Lacquer Finish, Add	220.30	
		For Baked Enamel Standard Colors, Add	330.46	
		For Anodized Finish, Add	440.61	
		For Kynar® Standard Colors Finish, Add	605.84	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,429.08	69.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.01	
		For Clear Lacquer Finish, Add	258.02	
		For Baked Enamel Standard Colors, Add	387.04	
		For Anodized Finish, Add	516.05	
		For Kynar® Standard Colors Finish, Add	709.57	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,655.46	73.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	150.88	
		For Clear Lacquer Finish, Add	301.76	
		For Baked Enamel Standard Colors, Add	452.63	
		For Anodized Finish, Add	603.51	
		For Kynar® Standard Colors Finish, Add	829.83	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,891.16	79.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	173.29	
		For Clear Lacquer Finish, Add	346.58	
		For Baked Enamel Standard Colors, Add	519.87	
		For Anodized Finish, Add	693.16	
		For Kynar® Standard Colors Finish, Add	953.10	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,102.97	82.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.70	
		For Clear Lacquer Finish, Add	387.40	
		For Baked Enamel Standard Colors, Add	581.10	
		For Anodized Finish, Add	774.80	
		For Kynar® Standard Colors Finish, Add	1,065.35	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,386.06	88.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	220.85	
		For Clear Lacquer Finish, Add	441.70	
		For Baked Enamel Standard Colors, Add	662.55	
		For Anodized Finish, Add	883.40	
		For Kynar® Standard Colors Finish, Add	1,214.68	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,650.01	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	246.09	
		For Clear Lacquer Finish, Add	492.18	
		For Baked Enamel Standard Colors, Add	738.26	
		For Anodized Finish, Add	984.35	
		For Kynar® Standard Colors Finish, Add	1,353.48	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,854.74	100.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	265.40	
		For Clear Lacquer Finish, Add	530.81	
		For Baked Enamel Standard Colors, Add	796.21	
		For Anodized Finish, Add	1,061.61	
		For Kynar® Standard Colors Finish, Add	1,459.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,055.84	106.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	284.35	
			For Clear Lacquer Finish, Add	568.71	
			For Baked Enamel Standard Colors, Add	853.06	
			For Anodized Finish, Add	1,137.42	
			For Kynar® Standard Colors Finish, Add	1,563.95	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,250.34	110.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	303.03	
			For Clear Lacquer Finish, Add	606.06	
			For Baked Enamel Standard Colors, Add	909.10	
			For Anodized Finish, Add	1,212.13	
			For Kynar® Standard Colors Finish, Add	1,666.68	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,514.08	113.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	328.63	
			For Clear Lacquer Finish, Add	657.27	
			For Baked Enamel Standard Colors, Add	985.90	
			For Anodized Finish, Add	1,314.54	
			For Kynar® Standard Colors Finish, Add	1,807.49	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,725.88	117.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	349.04	
			For Clear Lacquer Finish, Add	698.08	
			For Baked Enamel Standard Colors, Add	1,047.13	
			For Anodized Finish, Add	1,396.17	
			For Kynar® Standard Colors Finish, Add	1,919.73	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,000.56	121.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	375.74	
			For Clear Lacquer Finish, Add	751.48	
			For Baked Enamel Standard Colors, Add	1,127.21	
			For Anodized Finish, Add	1,502.95	
			For Kynar® Standard Colors Finish, Add	2,066.56	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,201.42	125.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	395.05	
			For Clear Lacquer Finish, Add	790.11	
			For Baked Enamel Standard Colors, Add	1,185.16	
			For Anodized Finish, Add	1,580.21	
			For Kynar® Standard Colors Finish, Add	2,172.79	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138	EA		5" Chain Actuator For Adjustable Intake Louver.....	235.40	19.30
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	542.06	7.72

08 91 19 Fixed Louvers (08 91)

08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	309.89	17.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	27.52	
			For Clear Lacquer Finish, Add	55.03	
			For Baked Enamel Standard Colors, Add	82.55	
			For Anodized Finish, Add	110.06	
			For Kynar® Standard Colors Finish, Add	151.33	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	367.72	21.23
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	32.53	
			For Clear Lacquer Finish, Add	65.05	
			For Baked Enamel Standard Colors, Add	97.58	
			For Anodized Finish, Add	130.10	
			For Kynar® Standard Colors Finish, Add	178.89	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	426.45	25.09
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	37.63	
			For Clear Lacquer Finish, Add	75.26	
			For Baked Enamel Standard Colors, Add	112.88	
			For Anodized Finish, Add	150.51	
			For Kynar® Standard Colors Finish, Add	206.95	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	500.68	28.95
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	44.28	
			For Clear Lacquer Finish, Add	88.56	
			For Baked Enamel Standard Colors, Add	132.84	
			For Anodized Finish, Add	177.12	
			For Kynar® Standard Colors Finish, Add	243.53	
08 91 19 00-0006	EA		12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	563.07	32.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.75	
			For Clear Lacquer Finish, Add	99.49	
			For Baked Enamel Standard Colors, Add	149.24	
			For Anodized Finish, Add	198.98	
			For Kynar® Standard Colors Finish, Add	273.60	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	665.56	36.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	59.22	
		For Clear Lacquer Finish, Add	118.44	
		For Baked Enamel Standard Colors, Add	177.67	
		For Anodized Finish, Add	236.89	
		For Kynar® Standard Colors Finish, Add	325.72	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	720.65	40.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.96	
		For Clear Lacquer Finish, Add	127.92	
		For Baked Enamel Standard Colors, Add	191.88	
		For Anodized Finish, Add	255.84	
		For Kynar® Standard Colors Finish, Add	351.77	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	805.12	46.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	71.25	
		For Clear Lacquer Finish, Add	142.50	
		For Baked Enamel Standard Colors, Add	213.74	
		For Anodized Finish, Add	284.99	
		For Kynar® Standard Colors Finish, Add	391.86	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	855.66	50.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	75.53	
		For Clear Lacquer Finish, Add	151.06	
		For Baked Enamel Standard Colors, Add	226.59	
		For Anodized Finish, Add	302.12	
		For Kynar® Standard Colors Finish, Add	415.42	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	925.34	54.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.73	
		For Clear Lacquer Finish, Add	163.45	
		For Baked Enamel Standard Colors, Add	245.18	
		For Anodized Finish, Add	326.90	
		For Kynar® Standard Colors Finish, Add	449.49	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	985.90	57.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.01	
		For Clear Lacquer Finish, Add	174.02	
		For Baked Enamel Standard Colors, Add	261.03	
		For Anodized Finish, Add	348.04	
		For Kynar® Standard Colors Finish, Add	478.56	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,058.31	61.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	93.48	
		For Clear Lacquer Finish, Add	186.96	
		For Baked Enamel Standard Colors, Add	280.44	
		For Anodized Finish, Add	373.92	
		For Kynar® Standard Colors Finish, Add	514.13	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,126.16	65.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	99.49	
		For Clear Lacquer Finish, Add	198.98	
		For Baked Enamel Standard Colors, Add	298.48	
		For Anodized Finish, Add	397.97	
		For Kynar® Standard Colors Finish, Add	547.21	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,185.12	71.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	104.23	
		For Clear Lacquer Finish, Add	208.46	
		For Baked Enamel Standard Colors, Add	312.69	
		For Anodized Finish, Add	416.92	
		For Kynar® Standard Colors Finish, Add	573.27	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,265.02	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	111.06	
		For Clear Lacquer Finish, Add	222.13	
		For Baked Enamel Standard Colors, Add	333.19	
		For Anodized Finish, Add	444.25	
		For Kynar® Standard Colors Finish, Add	610.85	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	359.52	21.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	31.71	
		For Clear Lacquer Finish, Add	63.41	
		For Baked Enamel Standard Colors, Add	95.12	
		For Anodized Finish, Add	126.82	
		For Kynar® Standard Colors Finish, Add	174.38	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	430.31	27.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	37.63	
		For Clear Lacquer Finish, Add	75.26	
		For Baked Enamel Standard Colors, Add	112.88	
		For Anodized Finish, Add	150.51	
		For Kynar® Standard Colors Finish, Add	206.95	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	499.08	30.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	43.73	
		For Clear Lacquer Finish, Add	87.47	
		For Baked Enamel Standard Colors, Add	131.20	
		For Anodized Finish, Add	174.93	
		For Kynar® Standard Colors Finish, Add	240.53	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	625.68		38.60
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	54.85		
		For Clear Lacquer Finish, Add	109.70		
		For Baked Enamel Standard Colors, Add	164.54		
		For Anodized Finish, Add	219.39		
		For Kynar® Standard Colors Finish, Add	301.66		
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	719.05		42.46
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	63.41		
		For Clear Lacquer Finish, Add	126.83		
		For Baked Enamel Standard Colors, Add	190.24		
		For Anodized Finish, Add	253.65		
		For Kynar® Standard Colors Finish, Add	348.77		
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	801.48		46.32
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	70.88		
		For Clear Lacquer Finish, Add	141.77		
		For Baked Enamel Standard Colors, Add	212.65		
		For Anodized Finish, Add	283.54		
		For Kynar® Standard Colors Finish, Add	389.86		
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	859.31		50.17
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	75.90		
		For Clear Lacquer Finish, Add	151.79		
		For Baked Enamel Standard Colors, Add	227.69		
		For Anodized Finish, Add	303.58		
		For Kynar® Standard Colors Finish, Add	417.42		
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	956.53		55.96
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	84.46		
		For Clear Lacquer Finish, Add	168.92		
		For Baked Enamel Standard Colors, Add	253.38		
		For Anodized Finish, Add	337.84		
		For Kynar® Standard Colors Finish, Add	464.52		
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,023.69		61.75
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	90.02		
		For Clear Lacquer Finish, Add	180.03		
		For Baked Enamel Standard Colors, Add	270.05		
		For Anodized Finish, Add	360.07		
		For Kynar® Standard Colors Finish, Add	495.09		
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,113.41		65.61
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	98.22		
		For Clear Lacquer Finish, Add	196.43		
		For Baked Enamel Standard Colors, Add	294.65		
		For Anodized Finish, Add	392.87		
		For Kynar® Standard Colors Finish, Add	540.19		
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,181.26		69.47
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	104.23		
		For Clear Lacquer Finish, Add	208.46		
		For Baked Enamel Standard Colors, Add	312.69		
		For Anodized Finish, Add	416.92		
		For Kynar® Standard Colors Finish, Add	573.27		
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,257.31		73.34
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	111.06		
		For Clear Lacquer Finish, Add	222.13		
		For Baked Enamel Standard Colors, Add	333.19		
		For Anodized Finish, Add	444.25		
		For Kynar® Standard Colors Finish, Add	610.85		
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,337.00		77.20
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	118.26		
		For Clear Lacquer Finish, Add	236.52		
		For Baked Enamel Standard Colors, Add	354.78		
		For Anodized Finish, Add	473.04		
		For Kynar® Standard Colors Finish, Add	650.44		
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,405.98		82.99
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	124.00		
		For Clear Lacquer Finish, Add	248.00		
		For Baked Enamel Standard Colors, Add	372.00		
		For Anodized Finish, Add	496.00		
		For Kynar® Standard Colors Finish, Add	682.01		
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,503.20		88.78
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	132.57		
		For Clear Lacquer Finish, Add	265.13		
		For Baked Enamel Standard Colors, Add	397.70		
		For Anodized Finish, Add	530.26		
		For Kynar® Standard Colors Finish, Add	729.11		
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	415.52		25.09
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	36.54		
		For Clear Lacquer Finish, Add	73.07		
		For Baked Enamel Standard Colors, Add	109.61		
		For Anodized Finish, Add	146.14		
		For Kynar® Standard Colors Finish, Add	200.94		

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	494.52	30.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	43.28	
		For Clear Lacquer Finish, Add	86.55	
		For Baked Enamel Standard Colors, Add	129.83	
		For Anodized Finish, Add	173.11	
		For Kynar® Standard Colors Finish, Add	238.02	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	613.62	36.67
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	54.03	
		For Clear Lacquer Finish, Add	108.06	
		For Baked Enamel Standard Colors, Add	162.08	
		For Anodized Finish, Add	216.11	
		For Kynar® Standard Colors Finish, Add	297.15	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	722.91	44.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.41	
		For Clear Lacquer Finish, Add	126.83	
		For Baked Enamel Standard Colors, Add	190.24	
		For Anodized Finish, Add	253.65	
		For Kynar® Standard Colors Finish, Add	348.77	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	829.02	48.25
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.25	
		For Clear Lacquer Finish, Add	146.50	
		For Baked Enamel Standard Colors, Add	219.76	
		For Anodized Finish, Add	293.01	
		For Kynar® Standard Colors Finish, Add	402.89	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	926.94	52.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	82.27	
		For Clear Lacquer Finish, Add	164.54	
		For Baked Enamel Standard Colors, Add	246.82	
		For Anodized Finish, Add	329.09	
		For Kynar® Standard Colors Finish, Add	452.50	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,006.86	57.89
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	89.11	
		For Clear Lacquer Finish, Add	178.21	
		For Baked Enamel Standard Colors, Add	267.32	
		For Anodized Finish, Add	356.42	
		For Kynar® Standard Colors Finish, Add	490.08	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,113.41	65.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	98.22	
		For Clear Lacquer Finish, Add	196.43	
		For Baked Enamel Standard Colors, Add	294.65	
		For Anodized Finish, Add	392.87	
		For Kynar® Standard Colors Finish, Add	540.19	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,184.90	69.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	104.59	
		For Clear Lacquer Finish, Add	209.19	
		For Baked Enamel Standard Colors, Add	313.78	
		For Anodized Finish, Add	418.38	
		For Kynar® Standard Colors Finish, Add	575.27	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,301.46	77.20
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	114.71	
		For Clear Lacquer Finish, Add	229.41	
		For Baked Enamel Standard Colors, Add	344.12	
		For Anodized Finish, Add	458.83	
		For Kynar® Standard Colors Finish, Add	630.89	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,375.70	81.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	121.36	
		For Clear Lacquer Finish, Add	242.72	
		For Baked Enamel Standard Colors, Add	364.08	
		For Anodized Finish, Add	485.44	
		For Kynar® Standard Colors Finish, Add	667.47	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,472.70	84.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	130.29	
		For Clear Lacquer Finish, Add	260.57	
		For Baked Enamel Standard Colors, Add	390.86	
		For Anodized Finish, Add	521.15	
		For Kynar® Standard Colors Finish, Add	716.58	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,567.89	88.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	139.03	
		For Clear Lacquer Finish, Add	278.07	
		For Baked Enamel Standard Colors, Add	417.10	
		For Anodized Finish, Add	556.14	
		For Kynar® Standard Colors Finish, Add	764.69	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,638.69	94.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.96	
		For Clear Lacquer Finish, Add	289.91	
		For Baked Enamel Standard Colors, Add	434.87	
		For Anodized Finish, Add	579.82	
		For Kynar® Standard Colors Finish, Add	797.26	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,757.78		100.36
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	155.71		
		For Clear Lacquer Finish, Add	311.41		
		For Baked Enamel Standard Colors, Add	467.12		
		For Anodized Finish, Add	622.83		
		For Kynar® Standard Colors Finish, Add	856.39		
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	465.15		28.95
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	40.73		
		For Clear Lacquer Finish, Add	81.45		
		For Baked Enamel Standard Colors, Add	122.18		
		For Anodized Finish, Add	162.90		
		For Kynar® Standard Colors Finish, Add	223.99		
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	601.08		38.60
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	52.39		
		For Clear Lacquer Finish, Add	104.78		
		For Baked Enamel Standard Colors, Add	157.16		
		For Anodized Finish, Add	209.55		
		For Kynar® Standard Colors Finish, Add	288.13		
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	701.95		44.39
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	61.32		
		For Clear Lacquer Finish, Add	122.63		
		For Baked Enamel Standard Colors, Add	183.95		
		For Anodized Finish, Add	245.27		
		For Kynar® Standard Colors Finish, Add	337.24		
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	820.13		50.17
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	71.98		
		For Clear Lacquer Finish, Add	143.95		
		For Baked Enamel Standard Colors, Add	215.93		
		For Anodized Finish, Add	287.91		
		For Kynar® Standard Colors Finish, Add	395.87		
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	948.11		54.03
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	84.00		
		For Clear Lacquer Finish, Add	168.01		
		For Baked Enamel Standard Colors, Add	252.01		
		For Anodized Finish, Add	336.01		
		For Kynar® Standard Colors Finish, Add	462.02		
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,054.45		59.82
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	93.48		
		For Clear Lacquer Finish, Add	186.96		
		For Baked Enamel Standard Colors, Add	280.44		
		For Anodized Finish, Add	373.92		
		For Kynar® Standard Colors Finish, Add	514.13		
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,134.15		63.68
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	100.68		
		For Clear Lacquer Finish, Add	201.35		
		For Baked Enamel Standard Colors, Add	302.03		
		For Anodized Finish, Add	402.71		
		For Kynar® Standard Colors Finish, Add	553.72		
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,245.95		69.47
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	110.70		
		For Clear Lacquer Finish, Add	221.40		
		For Baked Enamel Standard Colors, Add	332.10		
		For Anodized Finish, Add	442.80		
		For Kynar® Standard Colors Finish, Add	608.84		
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,335.67		73.34
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	118.90		
		For Clear Lacquer Finish, Add	237.80		
		For Baked Enamel Standard Colors, Add	356.70		
		For Anodized Finish, Add	475.60		
		For Kynar® Standard Colors Finish, Add	653.94		
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,471.36		81.06
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	130.93		
		For Clear Lacquer Finish, Add	261.85		
		For Baked Enamel Standard Colors, Add	392.78		
		For Anodized Finish, Add	523.70		
		For Kynar® Standard Colors Finish, Add	720.09		
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,557.65		86.85
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	138.40		
		For Clear Lacquer Finish, Add	276.79		
		For Baked Enamel Standard Colors, Add	415.19		
		For Anodized Finish, Add	553.58		
		For Kynar® Standard Colors Finish, Add	761.18		
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,661.04		90.71
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	147.96		
		For Clear Lacquer Finish, Add	295.93		
		For Baked Enamel Standard Colors, Add	443.89		
		For Anodized Finish, Add	591.85		
		For Kynar® Standard Colors Finish, Add	813.80		

08 Openings
08 90 Louvers and Vents
08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,763.51	94.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	157.44	
			For Clear Lacquer Finish, Add	314.88	
			For Baked Enamel Standard Colors, Add	472.31	
			For Anodized Finish, Add	629.75	
			For Kynar® Standard Colors Finish, Add	865.91	
08 91 19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,847.98	100.36
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	164.73	
			For Clear Lacquer Finish, Add	329.45	
			For Baked Enamel Standard Colors, Add	494.18	
			For Anodized Finish, Add	658.91	
			For Kynar® Standard Colors Finish, Add	906.00	
08 91 19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,983.48	106.15
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	177.12	
			For Clear Lacquer Finish, Add	354.24	
			For Baked Enamel Standard Colors, Add	531.35	
			For Anodized Finish, Add	708.47	
			For Kynar® Standard Colors Finish, Add	974.15	
08 91 19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	515.69	32.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.01	
			For Clear Lacquer Finish, Add	90.02	
			For Baked Enamel Standard Colors, Add	135.02	
			For Anodized Finish, Add	180.03	
			For Kynar® Standard Colors Finish, Add	247.54	
08 91 19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	677.14	42.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	59.22	
			For Clear Lacquer Finish, Add	118.44	
			For Baked Enamel Standard Colors, Add	177.67	
			For Anodized Finish, Add	236.89	
			For Kynar® Standard Colors Finish, Add	325.72	
08 91 19 00-0064	EA		36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	783.47	48.25
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.70	
			For Clear Lacquer Finish, Add	137.39	
			For Baked Enamel Standard Colors, Add	206.09	
			For Anodized Finish, Add	274.79	
			For Kynar® Standard Colors Finish, Add	377.83	
08 91 19 00-0065	EA		36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	910.76	54.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.27	
			For Clear Lacquer Finish, Add	160.54	
			For Baked Enamel Standard Colors, Add	240.80	
			For Anodized Finish, Add	321.07	
			For Kynar® Standard Colors Finish, Add	441.47	
08 91 19 00-0066	EA		36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,054.86	58.67
			Note: Includes bird screen.		
			For Flange Frame, Add	93.75	
			For Clear Lacquer Finish, Add	187.50	
			For Baked Enamel Standard Colors, Add	281.26	
			For Anodized Finish, Add	375.01	
			For Kynar® Standard Colors Finish, Add	515.64	
08 91 19 00-0067	EA		36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,166.03	63.68
			Note: Includes bird screen.		
			For Flange Frame, Add	103.87	
			For Clear Lacquer Finish, Add	207.73	
			For Baked Enamel Standard Colors, Add	311.60	
			For Anodized Finish, Add	415.46	
			For Kynar® Standard Colors Finish, Add	571.26	
08 91 19 00-0068	EA		36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,262.13	67.54
			Note: Includes bird screen.		
			For Flange Frame, Add	112.70	
			For Clear Lacquer Finish, Add	225.41	
			For Baked Enamel Standard Colors, Add	338.11	
			For Anodized Finish, Add	450.81	
			For Kynar® Standard Colors Finish, Add	619.87	
08 91 19 00-0069	EA		36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,390.33	73.34
			Note: Includes bird screen.		
			For Flange Frame, Add	124.37	
			For Clear Lacquer Finish, Add	248.73	
			For Baked Enamel Standard Colors, Add	373.10	
			For Anodized Finish, Add	497.46	
			For Kynar® Standard Colors Finish, Add	684.01	
08 91 19 00-0070	EA		36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,486.63	79.13
			Note: Includes bird screen.		
			For Flange Frame, Add	132.84	
			For Clear Lacquer Finish, Add	265.68	
			For Baked Enamel Standard Colors, Add	398.51	
			For Anodized Finish, Add	531.35	
			For Kynar® Standard Colors Finish, Add	730.61	
08 91 19 00-0071	EA		36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,641.26	84.92
			Note: Includes bird screen.		
			For Flange Frame, Add	147.14	
			For Clear Lacquer Finish, Add	294.29	
			For Baked Enamel Standard Colors, Add	441.43	
			For Anodized Finish, Add	588.57	
			For Kynar® Standard Colors Finish, Add	809.29	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,742.12		90.71
		Note: Includes bird screen.			
		For Flange Frame, Add	156.07		
		For Clear Lacquer Finish, Add	312.14		
		For Baked Enamel Standard Colors, Add	468.21		
		For Anodized Finish, Add	624.28		
		For Kynar® Standard Colors Finish, Add	858.39		
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,852.80		94.57
		Note: Includes bird screen.			
		For Flange Frame, Add	166.37		
		For Clear Lacquer Finish, Add	332.73		
		For Baked Enamel Standard Colors, Add	499.10		
		For Anodized Finish, Add	665.47		
		For Kynar® Standard Colors Finish, Add	915.02		
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,968.03		98.43
		Note: Includes bird screen.			
		For Flange Frame, Add	177.12		
		For Clear Lacquer Finish, Add	354.24		
		For Baked Enamel Standard Colors, Add	531.35		
		For Anodized Finish, Add	708.47		
		For Kynar® Standard Colors Finish, Add	974.15		
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,065.25		104.22
		Note: Includes bird screen.			
		For Flange Frame, Add	185.68		
		For Clear Lacquer Finish, Add	371.36		
		For Baked Enamel Standard Colors, Add	557.05		
		For Anodized Finish, Add	742.73		
		For Kynar® Standard Colors Finish, Add	1,021.25		
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,218.97		110.01
		Note: Includes bird screen.			
		For Flange Frame, Add	199.90		
		For Clear Lacquer Finish, Add	399.79		
		For Baked Enamel Standard Colors, Add	599.69		
		For Anodized Finish, Add	799.58		
		For Kynar® Standard Colors Finish, Add	1,099.42		
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	600.87		36.67
		Note: Includes bird screen.			
		For Flange Frame, Add	52.75		
		For Clear Lacquer Finish, Add	105.51		
		For Baked Enamel Standard Colors, Add	158.26		
		For Anodized Finish, Add	211.01		
		For Kynar® Standard Colors Finish, Add	290.14		
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	735.88		46.32
		Note: Includes bird screen.			
		For Flange Frame, Add	64.32		
		For Clear Lacquer Finish, Add	128.65		
		For Baked Enamel Standard Colors, Add	192.97		
		For Anodized Finish, Add	257.30		
		For Kynar® Standard Colors Finish, Add	353.78		
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	854.06		52.10
		Note: Includes bird screen.			
		For Flange Frame, Add	74.98		
		For Clear Lacquer Finish, Add	149.97		
		For Baked Enamel Standard Colors, Add	224.95		
		For Anodized Finish, Add	299.94		
		For Kynar® Standard Colors Finish, Add	412.41		
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	999.78		59.82
		Note: Includes bird screen.			
		For Flange Frame, Add	88.01		
		For Clear Lacquer Finish, Add	176.02		
		For Baked Enamel Standard Colors, Add	264.04		
		For Anodized Finish, Add	352.05		
		For Kynar® Standard Colors Finish, Add	484.07		
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,156.92		63.68
		Note: Includes bird screen.			
		For Flange Frame, Add	102.95		
		For Clear Lacquer Finish, Add	205.91		
		For Baked Enamel Standard Colors, Add	308.86		
		For Anodized Finish, Add	411.82		
		For Kynar® Standard Colors Finish, Add	566.25		
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,282.17		67.54
		Note: Includes bird screen.			
		For Flange Frame, Add	114.71		
		For Clear Lacquer Finish, Add	229.41		
		For Baked Enamel Standard Colors, Add	344.12		
		For Anodized Finish, Add	458.83		
		For Kynar® Standard Colors Finish, Add	630.89		
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,390.12		71.41
		Note: Includes bird screen.			
		For Flange Frame, Add	124.73		
		For Clear Lacquer Finish, Add	249.46		
		For Baked Enamel Standard Colors, Add	374.19		
		For Anodized Finish, Add	498.92		
		For Kynar® Standard Colors Finish, Add	686.02		
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,518.31		77.20
		Note: Includes bird screen.			
		For Flange Frame, Add	136.39		
		For Clear Lacquer Finish, Add	272.78		
		For Baked Enamel Standard Colors, Add	409.18		
		For Anodized Finish, Add	545.57		
		For Kynar® Standard Colors Finish, Add	750.16		

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,627.37	82.99
		Note: Includes bird screen.		
		For Flange Frame, Add	146.14	
		For Clear Lacquer Finish, Add	292.28	
		For Baked Enamel Standard Colors, Add	438.42	
		For Anodized Finish, Add	584.56	
		For Kynar® Standard Colors Finish, Add	803.77	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,799.31	88.78
		Note: Includes bird screen.		
		For Flange Frame, Add	162.18	
		For Clear Lacquer Finish, Add	324.35	
		For Baked Enamel Standard Colors, Add	486.53	
		For Anodized Finish, Add	648.70	
		For Kynar® Standard Colors Finish, Add	891.97	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,908.38	94.57
		Note: Includes bird screen.		
		For Flange Frame, Add	171.93	
		For Clear Lacquer Finish, Add	343.85	
		For Baked Enamel Standard Colors, Add	515.78	
		For Anodized Finish, Add	687.70	
		For Kynar® Standard Colors Finish, Add	945.59	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,033.63	98.43
		Note: Includes bird screen.		
		For Flange Frame, Add	183.68	
		For Clear Lacquer Finish, Add	367.36	
		For Baked Enamel Standard Colors, Add	551.03	
		For Anodized Finish, Add	734.71	
		For Kynar® Standard Colors Finish, Add	1,010.23	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,159.79	102.29
		Note: Includes bird screen.		
		For Flange Frame, Add	195.52	
		For Clear Lacquer Finish, Add	391.04	
		For Baked Enamel Standard Colors, Add	586.57	
		For Anodized Finish, Add	782.09	
		For Kynar® Standard Colors Finish, Add	1,075.37	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,275.25	108.08
		Note: Includes bird screen.		
		For Flange Frame, Add	205.91	
		For Clear Lacquer Finish, Add	411.82	
		For Baked Enamel Standard Colors, Add	617.73	
		For Anodized Finish, Add	823.64	
		For Kynar® Standard Colors Finish, Add	1,132.50	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,440.80	113.87
		Note: Includes bird screen.		
		For Flange Frame, Add	221.31	
		For Clear Lacquer Finish, Add	442.61	
		For Baked Enamel Standard Colors, Add	663.92	
		For Anodized Finish, Add	885.22	
		For Kynar® Standard Colors Finish, Add	1,217.18	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	656.88	40.53
		Note: Includes bird screen.		
		For Flange Frame, Add	57.58	
		For Clear Lacquer Finish, Add	115.16	
		For Baked Enamel Standard Colors, Add	172.75	
		For Anodized Finish, Add	230.33	
		For Kynar® Standard Colors Finish, Add	316.70	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	804.64	50.17
		Note: Includes bird screen.		
		For Flange Frame, Add	70.43	
		For Clear Lacquer Finish, Add	140.86	
		For Baked Enamel Standard Colors, Add	211.28	
		For Anodized Finish, Add	281.71	
		For Kynar® Standard Colors Finish, Add	387.35	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	943.08	57.89
		Note: Includes bird screen.		
		For Flange Frame, Add	82.73	
		For Clear Lacquer Finish, Add	165.46	
		For Baked Enamel Standard Colors, Add	248.18	
		For Anodized Finish, Add	330.91	
		For Kynar® Standard Colors Finish, Add	455.00	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,087.68	63.68
		Note: Includes bird screen.		
		For Flange Frame, Add	96.03	
		For Clear Lacquer Finish, Add	192.06	
		For Baked Enamel Standard Colors, Add	288.09	
		For Anodized Finish, Add	384.12	
		For Kynar® Standard Colors Finish, Add	528.17	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,267.60	67.54
		Note: Includes bird screen.		
		For Flange Frame, Add	113.25	
		For Clear Lacquer Finish, Add	226.50	
		For Baked Enamel Standard Colors, Add	339.75	
		For Anodized Finish, Add	453.00	
		For Kynar® Standard Colors Finish, Add	622.88	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,412.89	71.41
		Note: Includes bird screen.		
		For Flange Frame, Add	127.01	
		For Clear Lacquer Finish, Add	254.01	
		For Baked Enamel Standard Colors, Add	381.02	
		For Anodized Finish, Add	508.03	
		For Kynar® Standard Colors Finish, Add	698.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,531.06 137.67 275.33 413.00 550.67 757.17	77.20
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,719.40 155.34 310.69 466.03 621.37 854.39	82.99
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,799.31 162.18 324.35 486.53 648.70 891.97	88.78
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,983.09 179.40 358.79 538.19 717.58 986.68	94.57
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,109.46 190.88 381.75 572.63 763.50 1,049.81	100.36
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,249.29 204.09 408.17 612.26 816.34 1,122.47	104.22
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,389.13 217.30 434.59 651.89 869.19 1,195.13	108.08
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,505.27 228.14 456.28 684.42 912.56 1,254.76	111.94
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,696.34 246.09 492.18 738.26 984.35 1,353.48	117.73
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	726.77 63.41 126.83 190.24 253.65 348.77	46.32
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	892.75 78.08 156.16 234.24 312.32 429.45	55.96
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,045.07 91.38 182.77 274.15 365.53 502.61	65.61
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,201.30 106.23 212.47 318.70 424.94 584.29	69.47

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,416.75	73.34
		Note: Includes bird screen.		
		For Flange Frame, Add	127.01	
		For Clear Lacquer Finish, Add	254.01	
		For Baked Enamel Standard Colors, Add	381.02	
		For Anodized Finish, Add	508.03	
		For Kynar® Standard Colors Finish, Add	698.54	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,565.68	77.20
		Note: Includes bird screen.		
		For Flange Frame, Add	141.13	
		For Clear Lacquer Finish, Add	282.26	
		For Baked Enamel Standard Colors, Add	423.39	
		For Anodized Finish, Add	564.52	
		For Kynar® Standard Colors Finish, Add	776.21	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,704.82	82.99
		Note: Includes bird screen.		
		For Flange Frame, Add	153.89	
		For Clear Lacquer Finish, Add	307.77	
		For Baked Enamel Standard Colors, Add	461.66	
		For Anodized Finish, Add	615.54	
		For Kynar® Standard Colors Finish, Add	846.37	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,910.46	88.78
		Note: Includes bird screen.		
		For Flange Frame, Add	173.29	
		For Clear Lacquer Finish, Add	346.58	
		For Baked Enamel Standard Colors, Add	519.87	
		For Anodized Finish, Add	693.16	
		For Kynar® Standard Colors Finish, Add	953.10	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,054.15	94.57
		Note: Includes bird screen.		
		For Flange Frame, Add	186.50	
		For Clear Lacquer Finish, Add	373.00	
		For Baked Enamel Standard Colors, Add	559.51	
		For Anodized Finish, Add	746.01	
		For Kynar® Standard Colors Finish, Add	1,025.76	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,269.82	100.36
		Note: Includes bird screen.		
		For Flange Frame, Add	206.91	
		For Clear Lacquer Finish, Add	413.82	
		For Baked Enamel Standard Colors, Add	620.73	
		For Anodized Finish, Add	827.64	
		For Kynar® Standard Colors Finish, Add	1,138.01	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,408.74	104.22
		Note: Includes bird screen.		
		For Flange Frame, Add	220.03	
		For Clear Lacquer Finish, Add	440.06	
		For Baked Enamel Standard Colors, Add	660.09	
		For Anodized Finish, Add	880.12	
		For Kynar® Standard Colors Finish, Add	1,210.17	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,567.71	108.08
		Note: Includes bird screen.		
		For Flange Frame, Add	235.16	
		For Clear Lacquer Finish, Add	470.31	
		For Baked Enamel Standard Colors, Add	705.47	
		For Anodized Finish, Add	940.62	
		For Kynar® Standard Colors Finish, Add	1,293.35	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,720.29	111.94
		Note: Includes bird screen.		
		For Flange Frame, Add	249.64	
		For Clear Lacquer Finish, Add	499.28	
		For Baked Enamel Standard Colors, Add	748.92	
		For Anodized Finish, Add	998.56	
		For Kynar® Standard Colors Finish, Add	1,373.03	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,846.46	115.80
		Note: Includes bird screen.		
		For Flange Frame, Add	261.49	
		For Clear Lacquer Finish, Add	522.97	
		For Baked Enamel Standard Colors, Add	784.46	
		For Anodized Finish, Add	1,045.94	
		For Kynar® Standard Colors Finish, Add	1,438.17	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,069.41	121.59
		Note: Includes bird screen.		
		For Flange Frame, Add	282.62	
		For Clear Lacquer Finish, Add	565.25	
		For Baked Enamel Standard Colors, Add	847.87	
		For Anodized Finish, Add	1,130.49	
		For Kynar® Standard Colors Finish, Add	1,554.43	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	780.95	50.17
		Note: Includes bird screen.		
		For Flange Frame, Add	68.06	
		For Clear Lacquer Finish, Add	136.12	
		For Baked Enamel Standard Colors, Add	204.18	
		For Anodized Finish, Add	272.24	
		For Kynar® Standard Colors Finish, Add	374.32	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	963.55	61.75
		Note: Includes bird screen.		
		For Flange Frame, Add	84.00	
		For Clear Lacquer Finish, Add	168.01	
		For Baked Enamel Standard Colors, Add	252.01	
		For Anodized Finish, Add	336.01	
		For Kynar® Standard Colors Finish, Add	462.02	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,121.13	69.47	
		Note: Includes bird screen.			
		For Flange Frame, Add	98.22		
		For Clear Lacquer Finish, Add	196.43		
		For Baked Enamel Standard Colors, Add	294.65		
		For Anodized Finish, Add	392.87		
		For Kynar® Standard Colors Finish, Add	540.19		
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,301.95	73.34	
		Note: Includes bird screen.			
		For Flange Frame, Add	115.53		
		For Clear Lacquer Finish, Add	231.05		
		For Baked Enamel Standard Colors, Add	346.58		
		For Anodized Finish, Add	462.11		
		For Kynar® Standard Colors Finish, Add	635.40		
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,525.81	79.13	
		Note: Includes bird screen.			
		For Flange Frame, Add	136.76		
		For Clear Lacquer Finish, Add	273.51		
		For Baked Enamel Standard Colors, Add	410.27		
		For Anodized Finish, Add	547.02		
		For Kynar® Standard Colors Finish, Add	752.16		
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,692.97	82.99	
		Note: Includes bird screen.			
		For Flange Frame, Add	152.70		
		For Clear Lacquer Finish, Add	305.40		
		For Baked Enamel Standard Colors, Add	458.10		
		For Anodized Finish, Add	610.80		
		For Kynar® Standard Colors Finish, Add	839.85		
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,838.49	88.78	
		Note: Includes bird screen.			
		For Flange Frame, Add	166.09		
		For Clear Lacquer Finish, Add	332.19		
		For Baked Enamel Standard Colors, Add	498.28		
		For Anodized Finish, Add	664.38		
		For Kynar® Standard Colors Finish, Add	913.52		
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,058.71	94.57	
		Note: Includes bird screen.			
		For Flange Frame, Add	186.96		
		For Clear Lacquer Finish, Add	373.92		
		For Baked Enamel Standard Colors, Add	560.87		
		For Anodized Finish, Add	747.83		
		For Kynar® Standard Colors Finish, Add	1,028.27		
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,213.33	100.36	
		Note: Includes bird screen.			
		For Flange Frame, Add	201.26		
		For Clear Lacquer Finish, Add	402.52		
		For Baked Enamel Standard Colors, Add	603.79		
		For Anodized Finish, Add	805.05		
		For Kynar® Standard Colors Finish, Add	1,106.94		
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,447.23	106.15	
		Note: Includes bird screen.			
		For Flange Frame, Add	223.49		
		For Clear Lacquer Finish, Add	446.99		
		For Baked Enamel Standard Colors, Add	670.48		
		For Anodized Finish, Add	893.97		
		For Kynar® Standard Colors Finish, Add	1,229.21		
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,595.26	110.01	
		Note: Includes bird screen.			
		For Flange Frame, Add	237.52		
		For Clear Lacquer Finish, Add	475.05		
		For Baked Enamel Standard Colors, Add	712.57		
		For Anodized Finish, Add	950.10		
		For Kynar® Standard Colors Finish, Add	1,306.38		
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,764.24	113.87	
		Note: Includes bird screen.			
		For Flange Frame, Add	253.65		
		For Clear Lacquer Finish, Add	507.30		
		For Baked Enamel Standard Colors, Add	760.95		
		For Anodized Finish, Add	1,014.60		
		For Kynar® Standard Colors Finish, Add	1,395.08		
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,929.58	117.73	
		Note: Includes bird screen.			
		For Flange Frame, Add	269.41		
		For Clear Lacquer Finish, Add	538.82		
		For Baked Enamel Standard Colors, Add	808.24		
		For Anodized Finish, Add	1,077.65		
		For Kynar® Standard Colors Finish, Add	1,481.77		
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,069.41	121.59	
		Note: Includes bird screen.			
		For Flange Frame, Add	282.62		
		For Clear Lacquer Finish, Add	565.25		
		For Baked Enamel Standard Colors, Add	847.87		
		For Anodized Finish, Add	1,130.49		
		For Kynar® Standard Colors Finish, Add	1,554.43		
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,303.99	125.45	
		Note: Includes bird screen.			
		For Flange Frame, Add	305.31		
		For Clear Lacquer Finish, Add	610.62		
		For Baked Enamel Standard Colors, Add	915.93		
		For Anodized Finish, Add	1,221.24		
		For Kynar® Standard Colors Finish, Add	1,679.21		

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	902.56	54.03
		Note: Includes bird screen.		
		For Flange Frame, Add	79.45	
		For Clear Lacquer Finish, Add	158.90	
		For Baked Enamel Standard Colors, Add	238.34	
		For Anodized Finish, Add	317.79	
		For Kynar® Standard Colors Finish, Add	436.96	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,117.05	65.61
		Note: Includes bird screen.		
		For Flange Frame, Add	98.58	
		For Clear Lacquer Finish, Add	197.16	
		For Baked Enamel Standard Colors, Add	295.74	
		For Anodized Finish, Add	394.32	
		For Kynar® Standard Colors Finish, Add	542.20	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,301.46	77.20
		Note: Includes bird screen.		
		For Flange Frame, Add	114.71	
		For Clear Lacquer Finish, Add	229.41	
		For Baked Enamel Standard Colors, Add	344.12	
		For Anodized Finish, Add	458.83	
		For Kynar® Standard Colors Finish, Add	630.89	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,498.69	81.06
		Note: Includes bird screen.		
		For Flange Frame, Add	133.66	
		For Clear Lacquer Finish, Add	267.32	
		For Baked Enamel Standard Colors, Add	400.97	
		For Anodized Finish, Add	534.63	
		For Kynar® Standard Colors Finish, Add	735.12	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,761.52	84.92
		Note: Includes bird screen.		
		For Flange Frame, Add	159.17	
		For Clear Lacquer Finish, Add	318.34	
		For Baked Enamel Standard Colors, Add	477.51	
		For Anodized Finish, Add	636.68	
		For Kynar® Standard Colors Finish, Add	875.43	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,944.17	88.78
		Note: Includes bird screen.		
		For Flange Frame, Add	176.66	
		For Clear Lacquer Finish, Add	353.32	
		For Baked Enamel Standard Colors, Add	529.99	
		For Anodized Finish, Add	706.65	
		For Kynar® Standard Colors Finish, Add	971.64	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,118.84	94.57
		Note: Includes bird screen.		
		For Flange Frame, Add	192.97	
		For Clear Lacquer Finish, Add	385.94	
		For Baked Enamel Standard Colors, Add	578.91	
		For Anodized Finish, Add	771.88	
		For Kynar® Standard Colors Finish, Add	1,061.34	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,324.48	100.36
		Note: Includes bird screen.		
		For Flange Frame, Add	212.38	
		For Clear Lacquer Finish, Add	424.75	
		For Baked Enamel Standard Colors, Add	637.13	
		For Anodized Finish, Add	849.51	
		For Kynar® Standard Colors Finish, Add	1,168.07	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,498.25	106.15
		Note: Includes bird screen.		
		For Flange Frame, Add	228.60	
		For Clear Lacquer Finish, Add	457.19	
		For Baked Enamel Standard Colors, Add	685.79	
		For Anodized Finish, Add	914.38	
		For Kynar® Standard Colors Finish, Add	1,257.27	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,766.06	113.87
		Note: Includes bird screen.		
		For Flange Frame, Add	253.83	
		For Clear Lacquer Finish, Add	507.66	
		For Baked Enamel Standard Colors, Add	761.50	
		For Anodized Finish, Add	1,015.33	
		For Kynar® Standard Colors Finish, Add	1,396.08	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,933.44	119.66
		Note: Includes bird screen.		
		For Flange Frame, Add	269.41	
		For Clear Lacquer Finish, Add	538.82	
		For Baked Enamel Standard Colors, Add	808.24	
		For Anodized Finish, Add	1,077.65	
		For Kynar® Standard Colors Finish, Add	1,481.77	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,112.44	123.52
		Note: Includes bird screen.		
		For Flange Frame, Add	286.54	
		For Clear Lacquer Finish, Add	573.08	
		For Baked Enamel Standard Colors, Add	859.62	
		For Anodized Finish, Add	1,146.16	
		For Kynar® Standard Colors Finish, Add	1,575.98	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,295.09	127.38
		Note: Includes bird screen.		
		For Flange Frame, Add	304.03	
		For Clear Lacquer Finish, Add	608.07	
		For Baked Enamel Standard Colors, Add	912.10	
		For Anodized Finish, Add	1,216.14	
		For Kynar® Standard Colors Finish, Add	1,672.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0150	EA		66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,453.14	131.24
			Note: Includes bird screen.		
			For Flange Frame, Add	319.07	
			For Clear Lacquer Finish, Add	638.13	
			For Baked Enamel Standard Colors, Add	957.20	
			For Anodized Finish, Add	1,276.27	
			For Kynar® Standard Colors Finish, Add	1,754.87	
08 91 19 00-0151	EA		66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,715.06	135.10
			Note: Includes bird screen.		
			For Flange Frame, Add	344.49	
			For Clear Lacquer Finish, Add	688.97	
			For Baked Enamel Standard Colors, Add	1,033.46	
			For Anodized Finish, Add	1,377.95	
			For Kynar® Standard Colors Finish, Add	1,894.68	
08 91 19 00-0152	EA		72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	952.19	57.89
			Note: Includes bird screen.		
			For Flange Frame, Add	83.64	
			For Clear Lacquer Finish, Add	167.28	
			For Baked Enamel Standard Colors, Add	250.92	
			For Anodized Finish, Add	334.56	
			For Kynar® Standard Colors Finish, Add	460.01	
08 91 19 00-0153	EA		72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,177.61	69.47
			Note: Includes bird screen.		
			For Flange Frame, Add	103.87	
			For Clear Lacquer Finish, Add	207.73	
			For Baked Enamel Standard Colors, Add	311.60	
			For Anodized Finish, Add	415.46	
			For Kynar® Standard Colors Finish, Add	571.26	
08 91 19 00-0154	EA		72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,372.05	81.06
			Note: Includes bird screen.		
			For Flange Frame, Add	120.99	
			For Clear Lacquer Finish, Add	241.99	
			For Baked Enamel Standard Colors, Add	362.98	
			For Anodized Finish, Add	483.98	
			For Kynar® Standard Colors Finish, Add	665.47	
08 91 19 00-0155	EA		72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,584.98	86.85
			Note: Includes bird screen.		
			For Flange Frame, Add	141.13	
			For Clear Lacquer Finish, Add	282.26	
			For Baked Enamel Standard Colors, Add	423.39	
			For Anodized Finish, Add	564.52	
			For Kynar® Standard Colors Finish, Add	776.21	
08 91 19 00-0156	EA		72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,866.95	90.71
			Note: Includes bird screen.		
			For Flange Frame, Add	168.55	
			For Clear Lacquer Finish, Add	337.11	
			For Baked Enamel Standard Colors, Add	505.66	
			For Anodized Finish, Add	674.22	
			For Kynar® Standard Colors Finish, Add	927.05	
08 91 19 00-0157	EA		72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,059.62	94.57
			Note: Includes bird screen.		
			For Flange Frame, Add	187.05	
			For Clear Lacquer Finish, Add	374.10	
			For Baked Enamel Standard Colors, Add	561.15	
			For Anodized Finish, Add	748.20	
			For Kynar® Standard Colors Finish, Add	1,028.77	
08 91 19 00-0158	EA		72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,246.13	100.36
			Note: Includes bird screen.		
			For Flange Frame, Add	204.54	
			For Clear Lacquer Finish, Add	409.08	
			For Baked Enamel Standard Colors, Add	613.63	
			For Anodized Finish, Add	818.17	
			For Kynar® Standard Colors Finish, Add	1,124.98	
08 91 19 00-0159	EA		72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,459.76	104.22
			Note: Includes bird screen.		
			For Flange Frame, Add	225.13	
			For Clear Lacquer Finish, Add	450.27	
			For Baked Enamel Standard Colors, Add	675.40	
			For Anodized Finish, Add	900.53	
			For Kynar® Standard Colors Finish, Add	1,238.23	
08 91 19 00-0160	EA		72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,641.72	110.01
			Note: Includes bird screen.		
			For Flange Frame, Add	242.17	
			For Clear Lacquer Finish, Add	484.34	
			For Baked Enamel Standard Colors, Add	726.51	
			For Anodized Finish, Add	968.68	
			For Kynar® Standard Colors Finish, Add	1,331.94	
08 91 19 00-0161	EA		72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,933.44	119.66
			Note: Includes bird screen.		
			For Flange Frame, Add	269.41	
			For Clear Lacquer Finish, Add	538.82	
			For Baked Enamel Standard Colors, Add	808.24	
			For Anodized Finish, Add	1,077.65	
			For Kynar® Standard Colors Finish, Add	1,481.77	
08 91 19 00-0162	EA		72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,118.12	125.45
			Note: Includes bird screen.		
			For Flange Frame, Add	286.72	
			For Clear Lacquer Finish, Add	573.45	
			For Baked Enamel Standard Colors, Add	860.17	
			For Anodized Finish, Add	1,146.89	
			For Kynar® Standard Colors Finish, Add	1,576.98	

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,302.60	129.31
		Note: Includes bird screen.		
		For Flange Frame, Add	304.40	
		For Clear Lacquer Finish, Add	608.80	
		For Baked Enamel Standard Colors, Add	913.20	
		For Anodized Finish, Add	1,217.60	
		For Kynar® Standard Colors Finish, Add	1,674.19	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,489.80	133.17
		Note: Includes bird screen.		
		For Flange Frame, Add	322.35	
		For Clear Lacquer Finish, Add	644.69	
		For Baked Enamel Standard Colors, Add	967.04	
		For Anodized Finish, Add	1,289.39	
		For Kynar® Standard Colors Finish, Add	1,772.91	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,665.16	137.03
		Note: Includes bird screen.		
		For Flange Frame, Add	339.11	
		For Clear Lacquer Finish, Add	678.22	
		For Baked Enamel Standard Colors, Add	1,017.33	
		For Anodized Finish, Add	1,356.44	
		For Kynar® Standard Colors Finish, Add	1,865.11	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,944.39	140.89
		Note: Includes bird screen.		
		For Flange Frame, Add	366.26	
		For Clear Lacquer Finish, Add	732.52	
		For Baked Enamel Standard Colors, Add	1,098.79	
		For Anodized Finish, Add	1,465.05	
		For Kynar® Standard Colors Finish, Add	2,014.44	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,012.75	61.75
		Note: Includes bird screen.		
		For Flange Frame, Add	88.92	
		For Clear Lacquer Finish, Add	177.85	
		For Baked Enamel Standard Colors, Add	266.77	
		For Anodized Finish, Add	355.69	
		For Kynar® Standard Colors Finish, Add	489.08	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,244.56	73.34
		Note: Includes bird screen.		
		For Flange Frame, Add	109.79	
		For Clear Lacquer Finish, Add	219.58	
		For Baked Enamel Standard Colors, Add	329.36	
		For Anodized Finish, Add	439.15	
		For Kynar® Standard Colors Finish, Add	603.83	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,443.55	84.92
		Note: Includes bird screen.		
		For Flange Frame, Add	127.37	
		For Clear Lacquer Finish, Add	254.74	
		For Baked Enamel Standard Colors, Add	382.12	
		For Anodized Finish, Add	509.49	
		For Kynar® Standard Colors Finish, Add	700.55	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,671.06	90.71
		Note: Includes bird screen.		
		For Flange Frame, Add	148.97	
		For Clear Lacquer Finish, Add	297.93	
		For Baked Enamel Standard Colors, Add	446.90	
		For Anodized Finish, Add	595.86	
		For Kynar® Standard Colors Finish, Add	819.31	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,969.42	94.57
		Note: Includes bird screen.		
		For Flange Frame, Add	178.03	
		For Clear Lacquer Finish, Add	356.06	
		For Baked Enamel Standard Colors, Add	534.09	
		For Anodized Finish, Add	712.12	
		For Kynar® Standard Colors Finish, Add	979.16	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,170.29	98.43
		Note: Includes bird screen.		
		For Flange Frame, Add	197.34	
		For Clear Lacquer Finish, Add	394.69	
		For Baked Enamel Standard Colors, Add	592.03	
		For Anodized Finish, Add	789.38	
		For Kynar® Standard Colors Finish, Add	1,085.39	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,370.47	104.22
		Note: Includes bird screen.		
		For Flange Frame, Add	216.20	
		For Clear Lacquer Finish, Add	432.41	
		For Baked Enamel Standard Colors, Add	648.61	
		For Anodized Finish, Add	864.82	
		For Kynar® Standard Colors Finish, Add	1,189.12	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,596.86	108.08
		Note: Includes bird screen.		
		For Flange Frame, Add	238.07	
		For Clear Lacquer Finish, Add	476.14	
		For Baked Enamel Standard Colors, Add	714.21	
		For Anodized Finish, Add	952.28	
		For Kynar® Standard Colors Finish, Add	1,309.39	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,792.49	113.87
		Note: Includes bird screen.		
		For Flange Frame, Add	256.48	
		For Clear Lacquer Finish, Add	512.95	
		For Baked Enamel Standard Colors, Add	769.43	
		For Anodized Finish, Add	1,025.90	
		For Kynar® Standard Colors Finish, Add	1,410.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0176	EA		78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,103.33 285.63 571.26 856.89 1,142.52 1,570.97	123.52
08 91 19 00-0177	EA		78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,297.13 303.85 607.70 911.56 1,215.41 1,671.19	129.31
08 91 19 00-0178	EA		78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,500.04 322.99 645.97 968.96 1,291.94 1,776.42	135.10
08 91 19 00-0179	EA		78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,687.25 340.93 681.87 1,022.80 1,363.74 1,875.14	138.96
08 91 19 00-0180	EA		78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,874.45 358.88 717.76 1,076.65 1,435.53 1,973.85	142.82
08 91 19 00-0181	EA		78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	4,171.90 387.86 775.71 1,163.57 1,551.42 2,133.20	146.68
08 91 19 00-0182	EA		84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,061.47 93.02 186.05 279.07 372.09 511.63	65.61
08 91 19 00-0183	EA		84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,303.29 114.89 229.78 344.67 459.56 631.90	77.20
08 91 19 00-0184	EA		84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,524.16 134.66 269.32 403.98 538.64 740.64	88.78
08 91 19 00-0185	EA		84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,758.96 156.98 313.97 470.95 627.93 863.41	94.57
08 91 19 00-0186	EA		84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,076.45 187.96 375.92 563.88 751.84 1,033.78	98.43
08 91 19 00-0187	EA		84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,289.17 208.46 416.92 625.38 833.84 1,146.53	102.29
08 91 19 00-0188	EA		84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,493.91 227.78 455.55 683.33 911.10 1,252.76	108.08

08 Openings

08 90 Louvers and Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,738.52	111.94
		Note: Includes bird screen.		
		For Flange Frame, Add	251.46	
		For Clear Lacquer Finish, Add	502.93	
		For Baked Enamel Standard Colors, Add	754.39	
		For Anodized Finish, Add	1,005.86	
		For Kynar® Standard Colors Finish, Add	1,383.05	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,944.16	117.73
		Note: Includes bird screen.		
		For Flange Frame, Add	270.87	
		For Clear Lacquer Finish, Add	541.74	
		For Baked Enamel Standard Colors, Add	812.61	
		For Anodized Finish, Add	1,083.48	
		For Kynar® Standard Colors Finish, Add	1,489.79	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,274.14	127.38
		Note: Includes bird screen.		
		For Flange Frame, Add	301.94	
		For Clear Lacquer Finish, Add	603.88	
		For Baked Enamel Standard Colors, Add	905.82	
		For Anodized Finish, Add	1,207.76	
		For Kynar® Standard Colors Finish, Add	1,660.66	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,475.22	133.17
		Note: Includes bird screen.		
		For Flange Frame, Add	320.89	
		For Clear Lacquer Finish, Add	641.78	
		For Baked Enamel Standard Colors, Add	962.67	
		For Anodized Finish, Add	1,283.56	
		For Kynar® Standard Colors Finish, Add	1,764.89	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,696.36	138.96
		Note: Includes bird screen.		
		For Flange Frame, Add	341.85	
		For Clear Lacquer Finish, Add	683.69	
		For Baked Enamel Standard Colors, Add	1,025.54	
		For Anodized Finish, Add	1,367.38	
		For Kynar® Standard Colors Finish, Add	1,880.15	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,934.59	142.82
		Note: Includes bird screen.		
		For Flange Frame, Add	364.90	
		For Clear Lacquer Finish, Add	729.79	
		For Baked Enamel Standard Colors, Add	1,094.69	
		For Anodized Finish, Add	1,459.58	
		For Kynar® Standard Colors Finish, Add	2,006.93	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,149.13	146.68
		Note: Includes bird screen.		
		For Flange Frame, Add	385.58	
		For Clear Lacquer Finish, Add	771.16	
		For Baked Enamel Standard Colors, Add	1,156.73	
		For Anodized Finish, Add	1,542.31	
		For Kynar® Standard Colors Finish, Add	2,120.68	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,469.35	150.53
		Note: Includes bird screen.		
		For Flange Frame, Add	416.83	
		For Clear Lacquer Finish, Add	833.66	
		For Baked Enamel Standard Colors, Add	1,250.48	
		For Anodized Finish, Add	1,667.31	
		For Kynar® Standard Colors Finish, Add	2,292.55	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,124.99	71.41
		Note: Includes bird screen.		
		For Flange Frame, Add	98.22	
		For Clear Lacquer Finish, Add	196.43	
		For Baked Enamel Standard Colors, Add	294.65	
		For Anodized Finish, Add	392.87	
		For Kynar® Standard Colors Finish, Add	540.19	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,370.44	82.99
		Note: Includes bird screen.		
		For Flange Frame, Add	120.45	
		For Clear Lacquer Finish, Add	240.89	
		For Baked Enamel Standard Colors, Add	361.34	
		For Anodized Finish, Add	481.79	
		For Kynar® Standard Colors Finish, Add	662.46	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,600.42	94.57
		Note: Includes bird screen.		
		For Flange Frame, Add	141.13	
		For Clear Lacquer Finish, Add	282.26	
		For Baked Enamel Standard Colors, Add	423.39	
		For Anodized Finish, Add	564.52	
		For Kynar® Standard Colors Finish, Add	776.21	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,842.51	100.36
		Note: Includes bird screen.		
		For Flange Frame, Add	164.18	
		For Clear Lacquer Finish, Add	328.36	
		For Baked Enamel Standard Colors, Add	492.54	
		For Anodized Finish, Add	656.72	
		For Kynar® Standard Colors Finish, Add	902.99	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,181.87	104.22
		Note: Includes bird screen.		
		For Flange Frame, Add	197.34	
		For Clear Lacquer Finish, Add	394.69	
		For Baked Enamel Standard Colors, Add	592.03	
		For Anodized Finish, Add	789.38	
		For Kynar® Standard Colors Finish, Add	1,085.39	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,401.89	108.08	
		Note: Includes bird screen.			
		For Flange Frame, Add	218.57		
		For Clear Lacquer Finish, Add	437.15		
		For Baked Enamel Standard Colors, Add	655.72		
		For Anodized Finish, Add	874.29		
		For Kynar® Standard Colors Finish, Add	1,202.15		
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,611.87	111.94	
		Note: Includes bird screen.			
		For Flange Frame, Add	238.80		
		For Clear Lacquer Finish, Add	477.60		
		For Baked Enamel Standard Colors, Add	716.40		
		For Anodized Finish, Add	955.20		
		For Kynar® Standard Colors Finish, Add	1,313.39		
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,870.15	115.80	
		Note: Includes bird screen.			
		For Flange Frame, Add	263.86		
		For Clear Lacquer Finish, Add	527.71		
		For Baked Enamel Standard Colors, Add	791.57		
		For Anodized Finish, Add	1,055.42		
		For Kynar® Standard Colors Finish, Add	1,451.20		
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,086.72	121.59	
		Note: Includes bird screen.			
		For Flange Frame, Add	284.35		
		For Clear Lacquer Finish, Add	568.71		
		For Baked Enamel Standard Colors, Add	853.06		
		For Anodized Finish, Add	1,137.42		
		For Kynar® Standard Colors Finish, Add	1,563.95		
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,435.83	131.24	
		Note: Includes bird screen.			
		For Flange Frame, Add	317.34		
		For Clear Lacquer Finish, Add	634.67		
		For Baked Enamel Standard Colors, Add	952.01		
		For Anodized Finish, Add	1,269.34		
		For Kynar® Standard Colors Finish, Add	1,745.35		
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,646.03	137.03	
		Note: Includes bird screen.			
		For Flange Frame, Add	337.20		
		For Clear Lacquer Finish, Add	674.40		
		For Baked Enamel Standard Colors, Add	1,011.59		
		For Anodized Finish, Add	1,348.79		
		For Kynar® Standard Colors Finish, Add	1,854.59		
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,887.21	142.82	
		Note: Includes bird screen.			
		For Flange Frame, Add	360.16		
		For Clear Lacquer Finish, Add	720.32		
		For Baked Enamel Standard Colors, Add	1,080.47		
		For Anodized Finish, Add	1,440.63		
		For Kynar® Standard Colors Finish, Add	1,980.87		
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,140.01	146.68	
		Note: Includes bird screen.			
		For Flange Frame, Add	384.67		
		For Clear Lacquer Finish, Add	769.33		
		For Baked Enamel Standard Colors, Add	1,154.00		
		For Anodized Finish, Add	1,538.66		
		For Kynar® Standard Colors Finish, Add	2,115.66		
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,352.95	152.46	
		Note: Includes bird screen.			
		For Flange Frame, Add	404.80		
		For Clear Lacquer Finish, Add	809.60		
		For Baked Enamel Standard Colors, Add	1,214.41		
		For Anodized Finish, Add	1,619.21		
		For Kynar® Standard Colors Finish, Add	2,226.41		
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,692.31	156.32	
		Note: Includes bird screen.			
		For Flange Frame, Add	437.97		
		For Clear Lacquer Finish, Add	875.93		
		For Baked Enamel Standard Colors, Add	1,313.90		
		For Anodized Finish, Add	1,751.86		
		For Kynar® Standard Colors Finish, Add	2,408.81		
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,179.38	77.20	
		Note: Includes bird screen.			
		For Flange Frame, Add	102.50		
		For Clear Lacquer Finish, Add	205.00		
		For Baked Enamel Standard Colors, Add	307.50		
		For Anodized Finish, Add	410.00		
		For Kynar® Standard Colors Finish, Add	563.74		
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,433.96	88.78	
		Note: Includes bird screen.			
		For Flange Frame, Add	125.64		
		For Clear Lacquer Finish, Add	251.28		
		For Baked Enamel Standard Colors, Add	376.92		
		For Anodized Finish, Add	502.56		
		For Kynar® Standard Colors Finish, Add	691.03		
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,675.78	100.36	
		Note: Includes bird screen.			
		For Flange Frame, Add	147.51		
		For Clear Lacquer Finish, Add	295.01		
		For Baked Enamel Standard Colors, Add	442.52		
		For Anodized Finish, Add	590.03		
		For Kynar® Standard Colors Finish, Add	811.29		

08 Openings**08 90 Louvers and Vents****08 91 Louvers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,931.55	106.15
		Note: Includes bird screen.		
		For Flange Frame, Add	171.93	
		For Clear Lacquer Finish, Add	343.85	
		For Baked Enamel Standard Colors, Add	515.78	
		For Anodized Finish, Add	687.70	
		For Kynar® Standard Colors Finish, Add	945.59	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,281.84	110.01
		Note: Includes bird screen.		
		For Flange Frame, Add	206.18	
		For Clear Lacquer Finish, Add	412.36	
		For Baked Enamel Standard Colors, Add	618.55	
		For Anodized Finish, Add	824.73	
		For Kynar® Standard Colors Finish, Add	1,134.00	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,539.20	113.87
		Note: Includes bird screen.		
		For Flange Frame, Add	231.15	
		For Clear Lacquer Finish, Add	462.29	
		For Baked Enamel Standard Colors, Add	693.44	
		For Anodized Finish, Add	924.58	
		For Kynar® Standard Colors Finish, Add	1,271.30	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,762.85	117.73
		Note: Includes bird screen.		
		For Flange Frame, Add	252.74	
		For Clear Lacquer Finish, Add	505.48	
		For Baked Enamel Standard Colors, Add	758.22	
		For Anodized Finish, Add	1,010.96	
		For Kynar® Standard Colors Finish, Add	1,390.06	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,008.37	121.59
		Note: Includes bird screen.		
		For Flange Frame, Add	276.52	
		For Clear Lacquer Finish, Add	553.04	
		For Baked Enamel Standard Colors, Add	829.56	
		For Anodized Finish, Add	1,106.08	
		For Kynar® Standard Colors Finish, Add	1,520.85	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,235.65	125.45
		Note: Includes bird screen.		
		For Flange Frame, Add	298.48	
		For Clear Lacquer Finish, Add	596.95	
		For Baked Enamel Standard Colors, Add	895.43	
		For Anodized Finish, Add	1,193.90	
		For Kynar® Standard Colors Finish, Add	1,641.62	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,611.19	135.10
		Note: Includes bird screen.		
		For Flange Frame, Add	334.10	
		For Clear Lacquer Finish, Add	668.20	
		For Baked Enamel Standard Colors, Add	1,002.30	
		For Anodized Finish, Add	1,336.40	
		For Kynar® Standard Colors Finish, Add	1,837.55	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,848.34	140.89
		Note: Includes bird screen.		
		For Flange Frame, Add	256.66	
		For Clear Lacquer Finish, Add	513.31	
		For Baked Enamel Standard Colors, Add	769.97	
		For Anodized Finish, Add	1,026.63	
		For Kynar® Standard Colors Finish, Add	1,411.61	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,075.33	146.68
		Note: Includes bird screen.		
		For Flange Frame, Add	378.20	
		For Clear Lacquer Finish, Add	756.40	
		For Baked Enamel Standard Colors, Add	1,134.59	
		For Anodized Finish, Add	1,512.79	
		For Kynar® Standard Colors Finish, Add	2,080.09	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,337.24	150.53
		Note: Includes bird screen.		
		For Flange Frame, Add	403.62	
		For Clear Lacquer Finish, Add	807.23	
		For Baked Enamel Standard Colors, Add	1,210.85	
		For Anodized Finish, Add	1,614.47	
		For Kynar® Standard Colors Finish, Add	2,219.89	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,561.11	156.32
		Note: Includes bird screen.		
		For Flange Frame, Add	424.85	
		For Clear Lacquer Finish, Add	849.69	
		For Baked Enamel Standard Colors, Add	1,274.54	
		For Anodized Finish, Add	1,699.38	
		For Kynar® Standard Colors Finish, Add	2,336.65	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,925.29	162.11
		Note: Includes bird screen.		
		For Flange Frame, Add	460.11	
		For Clear Lacquer Finish, Add	920.21	
		For Baked Enamel Standard Colors, Add	1,380.32	
		For Anodized Finish, Add	1,840.42	
		For Kynar® Standard Colors Finish, Add	2,530.58	

08 91 19 00-0227 Gable Louver Vents (08 91 19)
Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents (08 91 19 00-0227)
Note: Includes screen.

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	185.80	7.49
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	203.11	8.60
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	234.41	9.71
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	257.20	10.32
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	293.98	10.93
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	328.50	13.11
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	380.28	16.39
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	423.44	19.13
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	483.86	22.95
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	604.68	30.60

08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	170.05	6.90
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	210.52	8.74
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	264.19	10.31
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	337.13	13.66
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	432.06	19.67
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	544.21	26.76
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	673.73	34.97

08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	170.05	6.90
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	210.52	8.74
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	264.19	10.31
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	337.13	13.66
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	432.06	19.67
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	544.28	26.77

08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	170.05	6.90
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	185.80	7.49
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	203.11	8.60
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	210.52	8.74
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	234.41	9.71
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	257.20	10.32
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	264.19	10.31
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	293.98	10.93
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	328.50	13.11
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	337.13	13.66
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	380.28	16.39
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	423.44	19.13
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	432.06	19.67
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	483.86	22.95
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	535.64	26.23
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	544.28	26.77
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	604.68	30.60
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	673.73	34.97

08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	170.05	6.90
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	185.80	7.49
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	203.11	8.60
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	210.52	8.74
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	234.41	9.71
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	257.20	10.32
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	264.19	10.31
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	293.98	10.93
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	328.50	13.11
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	337.13	13.66
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	380.28	16.39
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	423.44	19.13
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	432.06	19.67
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	483.86	22.95
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	535.64	26.23
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	544.28	26.77
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	604.68	30.60
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	673.73	34.97

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	356.89	8.60
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	403.99	10.31
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	433.79	10.93
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	496.27	13.11

08 Openings
08 90 Louvers and Vents
08 91 Louvers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0298	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	553.83	13.66
08 91 19 00-0299	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	450.19	16.39
08 91 19 00-0300	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	528.30	19.13
08 91 19 00-0301	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	599.83	19.67
08 91 19 00-0302	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	679.58	22.95
08 91 19 00-0303	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	535.64	26.23
08 91 19 00-0304	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	621.17	26.77
08 91 19 00-0305	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	716.52	30.60
08 91 19 00-0306	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	813.53	34.97
08 91 19 00-0307	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	913.08	40.18
08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)					
Note: Includes screen.					
08 91 19 00-0309	EA		12" x 12" Square Fixed Vinyl Gable Louver Vent.....	52.99	6.90
08 91 19 00-0310	EA		12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	64.47	7.49
08 91 19 00-0311	EA		18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	88.23	9.71
08 91 19 00-0312	EA		24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	122.07	10.93
08 91 19 00-0313	EA		18" Diameter Round Fixed Vinyl Gable Louver Vent.....	85.76	8.74
08 91 19 00-0314	EA		22" Diameter Round Fixed Vinyl Gable Louver Vent.....	99.00	10.31
08 91 19 00-0315	EA		30" Diameter Round Fixed Vinyl Gable Louver Vent.....	140.05	13.66
08 91 19 00-0316	EA		36" Diameter Round Fixed Vinyl Gable Louver Vent.....	204.82	19.67
08 91 19 00-0317	EA		18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	85.76	8.74
08 91 19 00-0318	EA		22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	97.18	9.71
08 91 19 00-0319	EA		27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	126.20	10.93
08 91 19 00-0320	EA		32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	178.77	16.39
08 91 19 00-0321	EA		40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	431.37	26.23
08 91 19 00-0322	EA		14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	84.03	8.60
08 91 19 00-0323	EA		22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	117.66	10.93
08 91 19 00-0324	EA		34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	121.00	13.11
08 91 19 00-0325	EA		52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	284.64	16.39
08 91 19 00-0326	EA		56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	284.64	16.39
08 91 19 00-0327	EA		56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	284.64	16.39
08 91 19 00-0328	EA		62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	284.64	16.39
08 91 19 00-0329	EA		62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	284.64	16.39
08 91 19 00-0330	EA		70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	314.17	26.23
08 91 19 00-0331	EA		70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	314.17	26.23
08 91 19 00-0332	EA		72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	314.17	26.23
08 91 19 00-0333	EA		74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	314.17	26.23
08 95 Vents (08 90)					
08 95 13 Soffit Vents (08 95)					
08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)					
08 95 13 00-0002	LF		2-1/2" Wide Aluminum Soffit Vent.....	5.00	1.78
08 95 13 00-0003	LF		3" Wide Aluminum Soffit Vent.....	8.92	3.48
08 95 13 00-0004	EA		4" x 16" Under Eave Vent, Mill Finish.....	14.76	4.63
08 95 13 00-0005	EA		8" x 16" Under Eave Vent, Mill Finish.....	15.33	4.63
08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)					
08 95 13 00-0007	LF		Up To 2" Vinyl Soffit Vent, Perforated, White.....	4.40	1.80
			<i>For Colors, Add</i>	0.08	
08 95 13 00-0008	LF		3" To 4" Vinyl Soffit Vent, Perforated, White.....	4.48	1.80
			<i>For Colors, Add</i>	0.09	
08 95 16 Wall Vents (08 95)					
08 95 16 00-0001 Foundation Vents (08 95 16)					
08 95 16 00-0002	SI		Galvanized Steel Foundation Vent.....	0.41	0.16
08 95 16 00-0003	SI		Aluminum Foundation Vent.....	0.66	0.16
08 95 16 00-0004	SI		Stainless Steel Foundation Vent.....	0.76	0.16
08 95 16 00-0005	SI		Plastic Foundation Vent.....	0.37	0.16

END OF SECTION 08

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance of Finishes (09)

09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> <small>Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.</small>		
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing..... <small>Note: Per location.</small>	13.57	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	10.98	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	9.87	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	8.71	
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.</small>	7.81	
09 01 20 91-0007	Plaster/Stucco Repair <small>(09 01 20 91)</small> <small>Note: Per location.</small>		
09 01 20 91-0008	Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0007)</small> <small>Note: Includes plaster weld.</small>		
09 01 20 91-0009	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	23.78	
09 01 20 91-0010	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	17.29	
09 01 20 91-0011	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	12.76	
09 01 20 91-0012	SF >250 SF, Chip, Clean And Repair Plaster/Stucco	10.17	

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF Regrout Floor Tile Including Removal Of Loose Grout	6.25	
09 01 30 91-0002	SF Regrout Wall Tile Including Removal Of Loose Grout	7.79	

09 01 90 Maintenance of Painting and Coating (09 01)

09 01 90 52 Maintenance Repainting (09 01 90)

09 01 90 52-0001	Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 01 90 52)</small> <small>Note: Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.</small>		
09 01 90 52-0002	Concrete And Masonry Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
09 01 90 52-0003	SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.36	
	<i>For Up To 100, Add</i>	0.26	
	<i>For >100 To 250, Add</i>	0.12	
	<i>For >250 To 500, Add</i>	0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 15,000, Deduct</i>	-0.04	
	<i>For >15,000 To 30,000, Deduct</i>	-0.05	
	<i>For >30,000, Deduct</i>	-0.07	
09 01 90 52-0004	SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.38	
	<i>For Up To 100, Add</i>	0.62	
	<i>For >100 To 250, Add</i>	0.16	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 15,000, Deduct</i>	-0.04	
	<i>For >15,000 To 30,000, Deduct</i>	-0.05	
	<i>For >30,000, Deduct</i>	-0.07	
09 01 90 52-0005	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.59	
	<i>For Up To 100, Add</i>	0.94	
	<i>For >100 To 250, Add</i>	0.24	
	<i>For >250 To 500, Add</i>	0.12	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 15,000, Deduct</i>	-0.05	
	<i>For >15,000 To 30,000, Deduct</i>	-0.08	
	<i>For >30,000, Deduct</i>	-0.11	
09 01 90 52-0006	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.53	
	<i>For Up To 100, Add</i>	1.06	
	<i>For >100 To 250, Add</i>	0.27	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >5,000 To 10,000, Deduct</i>	-0.03	
	<i>For >10,000 To 15,000, Deduct</i>	-0.05	
	<i>For >15,000 To 30,000, Deduct</i>	-0.08	
	<i>For >30,000, Deduct</i>	-0.11	

09 Finishes

09 01 Maintenance of Finishes

09 01 90 Maintenance of Painting and Coating

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0007	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.65	
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.14	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.09	
	For >30,000, Deduct	-0.13	
09 01 90 52-0008	SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.42	
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0009	SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.19	
	For Up To 100, Add	2.10	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.26	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 15,000, Deduct	-0.11	
	For >15,000 To 30,000, Deduct	-0.17	
	For >30,000, Deduct	-0.23	
09 01 90 52-0010	SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.96	
	For Up To 100, Add	3.64	
	For >100 To 250, Add	0.91	
	For >250 To 500, Add	0.46	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 15,000, Deduct	-0.19	
	For >15,000 To 30,000, Deduct	-0.29	
	For >30,000, Deduct	-0.39	
09 01 90 52-0011	SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.74	
	For Heavy Condition Where Multiple Pass Is Required, Add	1.37	
	For Up To 100, Add	4.84	
	For >100 To 250, Add	1.21	
	For >250 To 500, Add	0.61	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 15,000, Deduct	-0.26	
	For >15,000 To 30,000, Deduct	-0.40	
	For >30,000, Deduct	-0.53	
09 01 90 52-0012	Drywall Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0013	SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.28	
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.07	
09 01 90 52-0014	SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.48	
	For Up To 100, Add	0.96	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.12	
09 01 90 52-0015	SF Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	0.89	
	For Up To 100, Add	1.68	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.21	
09 01 90 52-0016	Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0017	SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.35	
	For Up To 100, Add	0.26	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.05	
	For >30,000, Deduct	-0.07	
09 01 90 52-0018	SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.59	
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0019	SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.53	
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.40	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.03	
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.21	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation	0.40	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.87	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.18	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.23	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.73	
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 15,000, Deduct	-0.16	
			For >15,000 To 30,000, Deduct	-0.25	
			For >30,000, Deduct	-0.33	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.90	
			For Up To 100, Add	1.82	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.36	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 15,000, Deduct	-0.27	
			For >15,000 To 30,000, Deduct	-0.42	
			For >30,000, Deduct	-0.56	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.21	
			For Up To 100, Add	1.37	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.27	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 15,000, Deduct	-0.21	
			For >15,000 To 30,000, Deduct	-0.32	
			For >30,000, Deduct	-0.42	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.73	
			For Up To 100, Add	1.67	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.33	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 15,000, Deduct	-0.25	
			For >15,000 To 30,000, Deduct	-0.39	
			For >30,000, Deduct	-0.52	
09 01 90 52-0029	SF		Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.55	
			For Up To 100, Add	2.18	
			For >100 To 250, Add	1.02	
			For >250 To 500, Add	0.44	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 15,000, Deduct	-0.33	
			For >15,000 To 30,000, Deduct	-0.51	
			For >30,000, Deduct	-0.68	
09 01 90 52-0030	SF		Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.43	
			For Up To 100, Add	2.72	
			For >100 To 250, Add	1.27	
			For >250 To 500, Add	0.54	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 15,000, Deduct	-0.41	
			For >15,000 To 30,000, Deduct	-0.64	
			For >30,000, Deduct	-0.85	

09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)

09 Finishes

09 01 Maintenance of Finishes

09 01 90 Maintenance of Painting and Coating

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0032	SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.32	
	For Up To 100, Add	0.23	
	For >100 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.05	
	For >30,000, Deduct	-0.06	
09 01 90 52-0033	CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation.....	31.72	
	For Up To 100, Add	23.60	
	For >100 To 250, Add	11.01	
	For >250 To 500, Add	4.72	
	For >5,000 To 10,000, Deduct	-1.58	
	For >10,000 To 15,000, Deduct	-3.16	
	For >15,000 To 30,000, Deduct	-4.75	
	For >30,000, Deduct	-6.33	
09 01 90 52-0034	SF Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.30	
	For Up To 100, Add	0.19	
	For >100 To 250, Add	0.09	
	For >250 To 500, Add	0.04	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.04	
	For >30,000, Deduct	-0.06	
09 01 90 52-0035	Wood Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0036	SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.04	
	For Up To 100, Add	0.74	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.15	
	For >30,000, Deduct	-0.21	
09 01 90 52-0037	SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.33	
	For Up To 100, Add	0.24	
	For >100 To 250, Add	0.11	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.03	
	For >15,000 To 30,000, Deduct	-0.05	
	For >30,000, Deduct	-0.07	
09 01 90 52-0038	SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation.....	0.49	
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 01 90 52-0039	SF Hand Scrape Wood Surfaces, Surface Preparation.....	0.68	
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.07	
	For >15,000 To 30,000, Deduct	-0.10	
	For >30,000, Deduct	-0.14	
09 01 90 52-0040	SF Steam Clean Wood Surfaces, Surface Preparation.....	0.63	
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.09	
	For >30,000, Deduct	-0.12	
09 01 90 52-0041	SF Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation.....	0.43	
	For Up To 100, Add	0.27	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0042	SF Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation.....	0.66	
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.10	
	For >30,000, Deduct	-0.13	
09 01 90 52-0043	SF Sanding Wood Trim Surfaces, Surface Preparation	0.89	
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.09	
	For >15,000 To 30,000, Deduct	-0.13	
	For >30,000, Deduct	-0.18	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.59	
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.11	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.68	
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.10	
		For >30,000, Deduct	-0.13	
09 01 90 52-0046		Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.32	
		For Up To 100, Add	0.23	
		For >100 To 250, Add	0.11	
		For >250 To 500, Add	0.05	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.03	
		For >15,000 To 30,000, Deduct	-0.05	
		For >30,000, Deduct	-0.06	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.36	
		For Up To 100, Add	0.21	
		For >100 To 250, Add	0.10	
		For >250 To 500, Add	0.04	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.03	
		For >15,000 To 30,000, Deduct	-0.05	
		For >30,000, Deduct	-0.07	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.67	
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.10	
		For >30,000, Deduct	-0.13	
09 01 90 52-0051		Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.36	
		For Up To 100, Add	0.26	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.05	
		For >30,000, Deduct	-0.07	
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.47	
		For Up To 100, Add	0.29	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.09	
09 01 90 52-0054		Prep Work (09 01 90 52-0001)		
09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	0.88	
		Note: For removal of dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple coats may be necessary, refer to manufacturer recommendations		
09 01 90 91		Paint Restoration (09 01 90)		
09 01 90 91-0001		Paint Removal, Strip To Bare Wood (09 01 90 91)		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood.....	5.78	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	6.16	

09 20 Plaster and Gypsum Board (09)

09 21 Plaster and Gypsum Board Assemblies (09 20)

09 Finishes**09 20 Plaster and Gypsum Board****09 21 Plaster and Gypsum Board Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 21 00 00-0001			Interior Partition Wall Assembly <small>(09 21)</small>		
09 21 00 00-0002	SF		Interior Partition Wall Assembly, Metal Studs With Tracks And Runners..... Note: Includes 18 gauge 3-5/8" metal studs 16" on center with tracks, runners, and channel, one layer 5/8" drywall on each side, level 4 finish, one primer coat and two finish coats of latex paint. <i>For Curved Wall, Add</i>	16.00 3.18	2.66
09 22			Supports for Plaster and Gypsum Board <small>(09 20)</small>		
09 22 13			Metal Furring <small>(09 22)</small>		
09 22 13 13			Metal Channel Furring <small>(09 22 13)</small>		
09 22 13 13-0001			Hat Furring Channel <small>(09 22 13 13)</small> Note: Includes clips where required.		
09 22 13 13-0002			Installed On Walls, Hat Furring Channel <small>(09 22 13 13-0001)</small>		
09 22 13 13-0003	SF		7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.44 0.37 -0.44 0.56 0.67 1.01	1.24
09 22 13 13-0004	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.82 0.37 -0.52 0.64 0.86 1.26	1.24
09 22 13 13-0005			Installed On Columns And Beams, Hat Furring Channel <small>(09 22 13 13-0001)</small>		
09 22 13 13-0006	SF		7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel <i>For Columns And Beams >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.77 0.76 -0.57 0.76 0.77 1.21	1.90
09 22 13 13-0007	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel <i>For Columns And Beams >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	5.15 0.76 -0.65 0.84 0.96 1.46	1.90
09 22 13 13-0008			Installed On Ceilings, Hat Furring Channel <small>(09 22 13 13-0001)</small>		
09 22 13 13-0009	SF		7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.63 0.46 -0.62 0.77 1.02 1.51	1.52
09 22 13 13-0010	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	5.01 0.46 -0.70 0.85 1.21 1.76	1.52
09 22 13 13-0011			Z Furring Channel <small>(09 22 13 13)</small>		
09 22 13 13-0012			Installed On Walls, Z Furring Channel <small>(09 22 13 13-0011)</small>		
09 22 13 13-0013	SF		1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.70 0.37 -0.29 0.42 0.30 0.52	1.24
09 22 13 13-0014	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.74 0.37 -0.30 0.42 0.32 0.54	1.24
09 22 13 13-0015	SF		2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.78 0.37 -0.31 0.43 0.34 0.57	1.24
09 22 13 13-0016	SF		2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	2.81 0.37 -0.31 0.44 0.35 0.59	1.24

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	2.84	1.24
		<i>For Walls >10' High, Add</i>	0.37	
		<i>For 24" On Center, Deduct</i>	-0.32	
		<i>For 12" On Center, Add</i>	0.44	
		<i>For 22 Gauge, Add</i>	0.37	
		<i>For 20 Gauge, Add</i>	0.61	
09 22 13 23 Resilient Channel Furring <small>(09 22 13)</small>				
09 22 13 23-0001		Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23)</small>		
		<small>Note: Includes clips where required.</small>		
09 22 13 23-0002		Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	2.94	1.24
		<i>For Walls >10' High, Add</i>	0.37	
		<i>For 24" On Center, Deduct</i>	-0.34	
		<i>For 12" On Center, Add</i>	0.46	
		<i>For 20 Gauge, Add</i>	0.68	
09 22 13 23-0004		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 23-0001)</small>		
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	3.50	1.52
		<i>For Ceilings >10' High, Add</i>	0.46	
		<i>For 24" On Center, Deduct</i>	-0.40	
		<i>For 12" On Center, Add</i>	0.55	
		<i>For 20 Gauge, Add</i>	0.76	
09 22 13 23-0006		Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23)</small>		
		<small>Note: Includes clips where required.</small>		
09 22 13 23-0007		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	3.12	1.24
		<i>For Walls >10' High, Add</i>	0.37	
		<i>For 24" On Center, Deduct</i>	-0.38	
		<i>For 12" On Center, Add</i>	0.50	
		<i>For 20 Gauge, Add</i>	0.79	
09 22 13 23-0009		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 23-0006)</small>		
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	3.68	1.52
		<i>For Ceilings >10' High, Add</i>	0.46	
		<i>For 24" On Center, Deduct</i>	-0.43	
		<i>For 12" On Center, Add</i>	0.58	
		<i>For 20 Gauge, Add</i>	0.88	
09 22 16 Non-Structural Metal Framing <small>(09 22)</small>				
		<small>Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.</small>		
09 22 16 13 Non-Structural Metal Stud Framing <small>(09 22 16)</small>				
09 22 16 13-0001		25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.32	0.51
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	0.46	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.26	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.65	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.43	
		<i>For Horizontal Installation >10' High, Add</i>	0.55	
		<i>For Curved Wall, Add</i>	0.39	
		<i>For 12" On Center, Add</i>	0.40	
		<i>For 24" On Center, Deduct</i>	-0.40	
		<i>For Up To 100, Add</i>	0.72	
		<i>For >100 To 300, Add</i>	0.36	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.48	0.54
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	0.50	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.33	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.73	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
		<i>For Horizontal Installation >10' High, Add</i>	0.59	
		<i>For Curved Wall, Add</i>	0.41	
		<i>For 12" On Center, Add</i>	0.43	
		<i>For 24" On Center, Deduct</i>	-0.43	
		<i>For Up To 100, Add</i>	0.77	
		<i>For >100 To 300, Add</i>	0.38	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 16 13-0004	SF 3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.75	0.56
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.55	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.41	
	For Soffit, Columns Or Beams >10' High, Add	1.84	
	For Horizontal Installation Up To 10' High, Add	0.49	
	For Horizontal Installation >10' High, Add	0.63	
	For Curved Wall, Add	0.43	
	For 12" On Center, Add	0.48	
	For 24" On Center, Deduct	-0.48	
	For Up To 100, Add	0.83	
	For >100 To 300, Add	0.42	
09 22 16 13-0005	SF 4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.95	0.59
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.59	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.48	
	For Soffit, Columns Or Beams >10' High, Add	1.92	
	For Horizontal Installation Up To 10' High, Add	0.52	
	For Horizontal Installation >10' High, Add	0.67	
	For Curved Wall, Add	0.44	
	For 12" On Center, Add	0.52	
	For 24" On Center, Deduct	-0.52	
	For Up To 100, Add	0.89	
	For >100 To 300, Add	0.44	
09 22 16 13-0006	SF 6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.37	0.62
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.67	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.59	
	For Soffit, Columns Or Beams >10' High, Add	2.05	
	For Horizontal Installation Up To 10' High, Add	0.57	
	For Horizontal Installation >10' High, Add	0.73	
	For Curved Wall, Add	0.47	
	For 12" On Center, Add	0.60	
	For 24" On Center, Deduct	-0.60	
	For Up To 100, Add	0.99	
	For >100 To 300, Add	0.49	
09 22 16 13-0007	20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners ^(09 22 16 13)		
09 22 16 13-0008	SF 1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.70	0.52
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.54	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.33	
	For Soffit, Columns Or Beams >10' High, Add	1.72	
	For Horizontal Installation Up To 10' High, Add	0.47	
	For Horizontal Installation >10' High, Add	0.60	
	For Curved Wall, Add	0.40	
	For 12" On Center, Add	0.47	
	For 24" On Center, Deduct	-0.47	
	For Up To 100, Add	0.80	
	For >100 To 300, Add	0.40	
09 22 16 13-0009	SF 2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.01	0.55
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.60	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.41	
	For Soffit, Columns Or Beams >10' High, Add	1.83	
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	0.65	
	For Curved Wall, Add	0.42	
	For 12" On Center, Add	0.53	
	For 24" On Center, Deduct	-0.53	
	For Up To 100, Add	0.88	
	For >100 To 300, Add	0.44	
09 22 16 13-0010	SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.37	0.57
	For Powder-Actuated Fasteners Every 2', Add	0.04	
	For Walls >10' High, Add	0.67	
	For Soffit, Columns Or Beams Up To 10' High, Add	1.50	
	For Soffit, Columns Or Beams >10' High, Add	1.93	
	For Horizontal Installation Up To 10' High, Add	0.55	
	For Horizontal Installation >10' High, Add	0.70	
	For Curved Wall, Add	0.44	
	For 12" On Center, Add	0.60	
	For 24" On Center, Deduct	-0.60	
	For Up To 100, Add	0.96	
	For >100 To 300, Add	0.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners.....		3.61	0.60
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		0.72	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.58	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.03	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.59	
		<i>For Horizontal Installation >10' High, Add</i>		0.74	
		<i>For Curved Wall, Add</i>		0.46	
		<i>For 12" On Center, Add</i>		0.65	
		<i>For 24" On Center, Deduct</i>		-0.65	
		<i>For Up To 100, Add</i>		1.03	
		<i>For >100 To 300, Add</i>		0.51	

09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		5.36	0.64
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		1.07	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.82	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.30	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.78	
		<i>For Horizontal Installation >10' High, Add</i>		0.94	
		<i>For Curved Wall, Add</i>		0.48	
		<i>For 12" On Center, Add</i>		0.99	
		<i>For 24" On Center, Deduct</i>		-0.99	
		<i>For Up To 100, Add</i>		1.39	
		<i>For >100 To 300, Add</i>		0.70	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		4.48	0.56
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		0.90	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.58	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.01	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.66	
		<i>For Horizontal Installation >10' High, Add</i>		0.80	
		<i>For Curved Wall, Add</i>		0.43	
		<i>For 12" On Center, Add</i>		0.83	
		<i>For 24" On Center, Deduct</i>		-0.83	
		<i>For Up To 100, Add</i>		1.18	
		<i>For >100 To 300, Add</i>		0.59	

09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		5.00	0.59
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		1.00	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.69	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.14	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.72	
		<i>For Horizontal Installation >10' High, Add</i>		0.87	
		<i>For Curved Wall, Add</i>		0.45	
		<i>For 12" On Center, Add</i>		0.93	
		<i>For 24" On Center, Deduct</i>		-0.93	
		<i>For Up To 100, Add</i>		1.30	
		<i>For >100 To 300, Add</i>		0.65	

09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		5.39	0.62
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		1.08	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		1.79	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.26	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.77	
		<i>For Horizontal Installation >10' High, Add</i>		0.93	
		<i>For Curved Wall, Add</i>		0.47	
		<i>For 12" On Center, Add</i>		1.00	
		<i>For 24" On Center, Deduct</i>		-1.00	
		<i>For Up To 100, Add</i>		1.39	
		<i>For >100 To 300, Add</i>		0.70	

09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....		7.29	0.65
		<i>For Powder-Actuated Fasteners Every 2', Add</i>		0.04	
		<i>For Walls >10' High, Add</i>		1.46	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>		2.04	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>		2.53	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.98	
		<i>For Horizontal Installation >10' High, Add</i>		1.14	
		<i>For Curved Wall, Add</i>		0.49	
		<i>For 12" On Center, Add</i>		1.38	
		<i>For 24" On Center, Deduct</i>		-1.38	
		<i>For Up To 100, Add</i>		1.79	
		<i>For >100 To 300, Add</i>		0.89	

09 Finishes

09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.98	0.70
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	1.60	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.17	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.69	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.06	
		<i>For Horizontal Installation >10' High, Add</i>	1.23	
		<i>For Curved Wall, Add</i>	0.52	
		<i>For 12" On Center, Add</i>	1.51	
		<i>For 24" On Center, Deduct</i>	-1.51	
		<i>For Up To 100, Add</i>	1.94	
		<i>For >100 To 300, Add</i>	0.97	
09 22 16 13-0019		16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.78	0.57
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	0.96	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.64	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.07	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.70	
		<i>For Horizontal Installation >10' High, Add</i>	0.84	
		<i>For Curved Wall, Add</i>	0.44	
		<i>For 12" On Center, Add</i>	0.88	
		<i>For 24" On Center, Deduct</i>	-0.88	
		<i>For Up To 100, Add</i>	1.25	
		<i>For >100 To 300, Add</i>	0.62	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.75	0.60
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	1.15	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.79	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.25	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.80	
		<i>For Horizontal Installation >10' High, Add</i>	0.96	
		<i>For Curved Wall, Add</i>	0.46	
		<i>For 12" On Center, Add</i>	1.07	
		<i>For 24" On Center, Deduct</i>	-1.07	
		<i>For Up To 100, Add</i>	1.45	
		<i>For >100 To 300, Add</i>	0.73	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.10	0.64
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	1.22	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.89	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.37	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.85	
		<i>For Horizontal Installation >10' High, Add</i>	1.01	
		<i>For Curved Wall, Add</i>	0.48	
		<i>For 12" On Center, Add</i>	1.14	
		<i>For 24" On Center, Deduct</i>	-1.14	
		<i>For Up To 100, Add</i>	1.54	
		<i>For >100 To 300, Add</i>	0.77	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.92	0.68
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	1.58	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.14	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.64	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.04	
		<i>For Horizontal Installation >10' High, Add</i>	1.21	
		<i>For Curved Wall, Add</i>	0.50	
		<i>For 12" On Center, Add</i>	1.50	
		<i>For 24" On Center, Deduct</i>	-1.50	
		<i>For Up To 100, Add</i>	1.92	
		<i>For >100 To 300, Add</i>	0.96	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.78	0.71
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.04	
		<i>For Walls >10' High, Add</i>	1.76	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.29	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.81	
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.14	
		<i>For Horizontal Installation >10' High, Add</i>	1.32	
		<i>For Curved Wall, Add</i>	0.53	
		<i>For 12" On Center, Add</i>	1.67	
		<i>For 24" On Center, Deduct</i>	-1.67	
		<i>For Up To 100, Add</i>	2.11	
		<i>For >100 To 300, Add</i>	1.05	

09 22 26 Suspension Systems (09 22)

09 22 26 23 Metal Suspension Systems (09 22 26)

09 22 26 23-0001 Suspended Ceiling Support System (09 22 26 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 26 23-0002	SF	Suspended Ceiling Support System, 1-1/2" Main, 48" On Center With 3/4" Furred Channel, 12" On Center With Clips And Rods.....	3.91		0.92
		<i>For Ceilings >10' High, Add</i>	0.31		
09 22 26 23-0003	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1" x 1/8" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	3.88		0.92
		<i>For Ceilings >10' High, Add</i>	0.41		
09 22 26 23-0004	SF	Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1/4" Threaded Rod And 3" x 3" x 3/16" Steel Angles 4' On Center (GAT System).....	3.72		0.92
		<i>For Ceilings >10' High, Add</i>	0.41		
09 22 26 23-0005	SF	Aluminum Metal Pan Suspended Ceiling Support System, 1-1/2" x 3/4" Galvanized Steel Channel Mains, 48" On Center Suspended By 1" x 3/16" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	4.41		0.92
		<i>For Ceilings >10' High, Add</i>	0.43		

09 22 36 Lath (09 22)

09 22 36 13 Gypsum Lath (09 22 36)

09 22 36 13-0001 Plaster Base Gypsum Panels (09 22 36 13)

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.07		0.34
		<i>For Walls >10' High, Add</i>	0.09		
		<i>For Up To 100, Add</i>	0.35		
		<i>For >100 To 500, Add</i>	0.17		
		<i>For >5,000, Deduct</i>	-0.07		
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.49		0.39
		<i>For Walls >10' High, Add</i>	0.10		
		<i>For Up To 100, Add</i>	0.40		
		<i>For >100 To 500, Add</i>	0.20		
		<i>For >5,000, Deduct</i>	-0.08		
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.91		0.45
		<i>For Walls >10' High, Add</i>	0.11		
		<i>For Up To 100, Add</i>	0.46		
		<i>For >100 To 500, Add</i>	0.23		
		<i>For >5,000, Deduct</i>	-0.09		
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.34		0.48
		<i>For Ceilings >10' High, Add</i>	0.14		
		<i>For Up To 100, Add</i>	0.48		
		<i>For >100 To 500, Add</i>	0.24		
		<i>For >5,000, Deduct</i>	-0.10		
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.80		0.55
		<i>For Ceilings >10' High, Add</i>	0.17		
		<i>For Up To 100, Add</i>	0.56		
		<i>For >100 To 500, Add</i>	0.28		
		<i>For >5,000, Deduct</i>	-0.11		
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.27		0.64
		<i>For Ceilings >10' High, Add</i>	0.19		
		<i>For Up To 100, Add</i>	0.64		
		<i>For >100 To 500, Add</i>	0.32		
		<i>For >5,000, Deduct</i>	-0.13		
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.61		0.61
		<i>For Columns And Beams >10' High, Add</i>	0.18		
		<i>For Up To 100, Add</i>	0.62		
		<i>For >100 To 500, Add</i>	0.31		
		<i>For >5,000, Deduct</i>	-0.12		
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.12		0.72
		<i>For Columns And Beams >10' High, Add</i>	0.21		
		<i>For Up To 100, Add</i>	0.72		
		<i>For >100 To 500, Add</i>	0.36		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.63		0.83
		<i>For Columns And Beams >10' High, Add</i>	0.24		
		<i>For Up To 100, Add</i>	0.82		
		<i>For >100 To 500, Add</i>	0.41		
		<i>For >5,000, Deduct</i>	-0.16		

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)

09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.52		0.34
		<i>For Walls >10' High, Add</i>	0.09		
		<i>For Up To 100, Add</i>	0.35		
		<i>For >100 To 500, Add</i>	0.17		
		<i>For >5,000, Deduct</i>	-0.07		
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.77		0.39
		<i>For Walls >10' High, Add</i>	0.10		
		<i>For Up To 100, Add</i>	0.40		
		<i>For >100 To 500, Add</i>	0.20		
		<i>For >5,000, Deduct</i>	-0.08		
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.79		0.48
		<i>For Ceilings >10' High, Add</i>	0.14		
		<i>For Up To 100, Add</i>	0.48		
		<i>For >100 To 500, Add</i>	0.24		
		<i>For >5,000, Deduct</i>	-0.10		
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.08		0.55
		<i>For Ceilings >10' High, Add</i>	0.17		
		<i>For Up To 100, Add</i>	0.56		
		<i>For >100 To 500, Add</i>	0.28		
		<i>For >5,000, Deduct</i>	-0.11		

09 Finishes
09 20 Plaster and Gypsum Board

09 22 Supports for Plaster and Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 36 13-0016	SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.06 0.18 0.62 0.31 -0.12	0.61
09 22 36 13-0017	SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.40 0.21 0.72 0.36 -0.14	0.72
09 22 36 13-0018	Foil Back Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0019	SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.52 0.09 0.35 0.17 -0.07	0.34
09 22 36 13-0020	SF 1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.77 0.10 0.40 0.20 -0.08	0.39
09 22 36 13-0021	SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.79 0.14 0.48 0.24 -0.10	0.48
09 22 36 13-0022	SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.08 0.17 0.56 0.28 -0.11	0.55
09 22 36 13-0023	SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.06 0.18 0.62 0.31 -0.12	0.61
09 22 36 13-0024	SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel <i>For Columns And Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.40 0.21 0.72 0.36 -0.14	0.72
09 22 36 23	Metal Lath (09 22 36)		
09 22 36 23-0001	Flat Diamond, Expanded Metal Lath (09 22 36 23)		
09 22 36 23-0002	SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath <i>For Walls >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.78 0.13 0.06 0.53 0.27 -0.11	0.47
09 22 36 23-0003	SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath <i>For Walls >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.87 0.13 0.06 0.53 0.27 -0.11	0.47
09 22 36 23-0004	SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath <i>For Walls >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.96 0.13 0.06 0.53 0.27 -0.11	0.47
09 22 36 23-0005	SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath <i>For Walls >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.25 0.14 0.06 0.57 0.28 -0.11	0.50
09 22 36 23-0006	SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.93 0.18 0.06 0.61 0.30 -0.12	0.54
09 22 36 23-0007	SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.02 0.18 0.06 0.61 0.30 -0.12	0.54
09 22 36 23-0008	SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings >10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.11 0.18 0.06 0.61 0.30 -0.12	0.54

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.33	0.54
				<i>For Ceilings >10' High, Add</i>	0.18	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.61	
				<i>For >100 To 500, Add</i>	0.30	
				<i>For >5,000, Deduct</i>	-0.12	
	09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	2.54	0.77
				<i>For Columns And Beams >10' High, Add</i>	0.25	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.85	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0011	SF		2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	2.63	0.77
				<i>For Columns And Beams >10' High, Add</i>	0.25	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.85	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	2.72	0.77
				<i>For Columns And Beams >10' High, Add</i>	0.25	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.85	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.38	0.96
				<i>For Columns And Beams >10' High, Add</i>	0.32	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.06	
				<i>For >100 To 500, Add</i>	0.53	
				<i>For >5,000, Deduct</i>	-0.21	
	09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
	09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.85	0.50
				<i>For Walls >10' High, Add</i>	0.14	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.57	
				<i>For >100 To 500, Add</i>	0.28	
				<i>For >5,000, Deduct</i>	-0.11	
	09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.94	0.50
				<i>For Walls >10' High, Add</i>	0.14	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.57	
				<i>For >100 To 500, Add</i>	0.28	
				<i>For >5,000, Deduct</i>	-0.11	
	09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.03	0.50
				<i>For Walls >10' High, Add</i>	0.14	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.57	
				<i>For >100 To 500, Add</i>	0.28	
				<i>For >5,000, Deduct</i>	-0.11	
	09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.25	0.50
				<i>For Walls >10' High, Add</i>	0.14	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.57	
				<i>For >100 To 500, Add</i>	0.28	
				<i>For >5,000, Deduct</i>	-0.11	
	09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.97	0.96
				<i>For Columns And Beams >10' High, Add</i>	0.32	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.06	
				<i>For >100 To 500, Add</i>	0.53	
				<i>For >5,000, Deduct</i>	-0.21	
	09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.06	0.96
				<i>For Columns And Beams >10' High, Add</i>	0.32	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.06	
				<i>For >100 To 500, Add</i>	0.53	
				<i>For >5,000, Deduct</i>	-0.21	
	09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.15	0.96
				<i>For Columns And Beams >10' High, Add</i>	0.32	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.06	
				<i>For >100 To 500, Add</i>	0.53	
				<i>For >5,000, Deduct</i>	-0.21	
	09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.68	1.09
				<i>For Columns And Beams >10' High, Add</i>	0.36	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.21	
				<i>For >100 To 500, Add</i>	0.61	
				<i>For >5,000, Deduct</i>	-0.24	
	09 22 36 23-0023			High Rib Metal Lath <small>(09 22 36 23)</small>		
	09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath.....	2.18	0.54
				<i>For Ceilings >10' High, Add</i>	0.18	
				<i>For Up To 100, Add</i>	0.61	
				<i>For >100 To 500, Add</i>	0.30	
				<i>For >5,000, Deduct</i>	-0.12	

09 Finishes
09 20 Plaster and Gypsum Board
09 22 Supports for Plaster and Gypsum Board

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	.....	2.30	0.54
		<i>For Ceilings >10' High, Add</i>		0.18	
		<i>For Up To 100, Add</i>		0.61	
		<i>For >100 To 500, Add</i>		0.30	
		<i>For >5,000, Deduct</i>		-0.12	
09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	.....	2.39	0.54
		<i>For Ceilings >10' High, Add</i>		0.18	
		<i>For Up To 100, Add</i>		0.61	
		<i>For >100 To 500, Add</i>		0.30	
		<i>For >5,000, Deduct</i>		-0.12	
09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	.....	2.53	0.54
		<i>For Ceilings >10' High, Add</i>		0.18	
		<i>For Up To 100, Add</i>		0.61	
		<i>For >100 To 500, Add</i>		0.30	
		<i>For >5,000, Deduct</i>		-0.12	

09 22 36 33 Fiberglass Lath (09 22 36)

09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	.....	2.38	0.54
		<i>For Ceilings >10' High, Add</i>		0.18	
		<i>For Up To 100, Add</i>		0.61	
		<i>For >100 To 500, Add</i>		0.30	
		<i>For >5,000, Deduct</i>		-0.12	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	.....	2.55	0.54
		<i>For Ceilings >10' High, Add</i>		0.18	
		<i>For Up To 100, Add</i>		0.61	
		<i>For >100 To 500, Add</i>		0.30	
		<i>For >5,000, Deduct</i>		-0.12	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	.....	2.30	0.50
		<i>For Walls >10' High, Add</i>		0.14	
		<i>For Up To 100, Add</i>		0.57	
		<i>For >100 To 500, Add</i>		0.28	
		<i>For >5,000, Deduct</i>		-0.11	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	.....	2.47	0.50
		<i>For Walls >10' High, Add</i>		0.14	
		<i>For Up To 100, Add</i>		0.57	
		<i>For >100 To 500, Add</i>		0.28	
		<i>For >5,000, Deduct</i>		-0.11	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	.....	3.18	0.77
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	.....	3.19	0.77
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	.....	3.19	0.77
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	.....	3.05	0.77
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	.....	2.98	0.77

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	.....	3.52	0.77
		<i>For Vinyl Instead Of Galvanized, Add</i>		0.25	
		<i>For Zinc Instead Of Galvanized, Add</i>		1.68	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	.....	3.52	0.77
		<i>For Vinyl Instead Of Galvanized, Add</i>		0.25	
		<i>For Zinc Instead Of Galvanized, Add</i>		1.68	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	.....	3.52	0.77
		<i>For Vinyl Instead Of Galvanized, Add</i>		0.25	
		<i>For Zinc Instead Of Galvanized, Add</i>		1.68	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	3.81	0.77
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09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	0.85	
		<i>For Walls >10' High, Add</i>		0.07	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.11	
		<i>For Horizontal Installation >10' High, Add</i>		0.22	
		<i>For Columns Or Beams Up To 10' High, Add</i>		0.22	
		<i>For Columns Or Beams >10' High, Add</i>		0.33	
		<i>For Up To 100, Add</i>		0.36	
		<i>For >100 To 500, Add</i>		0.18	
		<i>For >5,000, Deduct</i>		-0.14	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0015	SF			For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.62	
				For Walls >10' High, Add	0.05	
				For Horizontal Installation Up To 10' High, Add	0.08	
				For Horizontal Installation >10' High, Add	0.16	
				For Columns Or Beams Up To 10' High, Add	0.16	
				For Columns Or Beams >10' High, Add	0.24	
				For Up To 100, Add	0.26	
				For >100 To 500, Add	0.13	
				For >5,000, Deduct	-0.10	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0017	SF			Smooth Finish Two Coats Gypsum Plaster On Walls.....	4.20	2.40
				For Walls >10' High, Add	0.40	
				For Horizontal Installation Up To 10' High, Add	0.59	
				For Horizontal Installation >10' High, Add	1.19	
				For Columns Or Beams Up To 10' High, Add	1.22	
				For Columns Or Beams >10' High, Add	1.82	
				For Up To 100, Add	1.98	
				For >100 To 500, Add	0.99	
				For >5,000, Deduct	-0.79	

09 23 13 00-0018	SF			Sand Aggregate Two Coats Gypsum Plaster On Walls.....	4.49	2.27
				For Walls >10' High, Add	0.37	
				For Horizontal Installation Up To 10' High, Add	0.56	
				For Horizontal Installation >10' High, Add	1.11	
				For Columns Or Beams Up To 10' High, Add	1.15	
				For Columns Or Beams >10' High, Add	1.71	
				For Up To 100, Add	1.86	
				For >100 To 500, Add	0.93	
				For >5,000, Deduct	-0.74	

09 23 13 00-0019	SF			Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	4.36	2.27
				For Walls >10' High, Add	0.37	
				For Horizontal Installation Up To 10' High, Add	0.56	
				For Horizontal Installation >10' High, Add	1.11	
				For Columns Or Beams Up To 10' High, Add	1.15	
				For Columns Or Beams >10' High, Add	1.71	
				For Up To 100, Add	1.86	
				For >100 To 500, Add	0.93	
				For >5,000, Deduct	-0.74	

09 23 13 00-0020 Three Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0021	SF			Smooth Finish Three Coats Gypsum Plaster On Walls	5.09	2.92
				For Walls >10' High, Add	0.47	
				For Horizontal Installation Up To 10' High, Add	0.71	
				For Horizontal Installation >10' High, Add	1.42	
				For Columns Or Beams Up To 10' High, Add	1.47	
				For Columns Or Beams >10' High, Add	2.18	
				For Up To 100, Add	2.37	
				For >100 To 500, Add	1.18	
				For >5,000, Deduct	-0.95	

09 23 13 00-0022	SF			Sand Aggregate Three Coats Gypsum Plaster On Walls	5.27	2.65
				For Walls >10' High, Add	0.44	
				For Horizontal Installation Up To 10' High, Add	0.66	
				For Horizontal Installation >10' High, Add	1.31	
				For Columns Or Beams Up To 10' High, Add	1.36	
				For Columns Or Beams >10' High, Add	2.01	
				For Up To 100, Add	2.19	
				For >100 To 500, Add	1.10	
				For >5,000, Deduct	-0.88	

09 23 13 00-0023	SF			Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	4.80	2.65
				For Walls >10' High, Add	0.44	
				For Horizontal Installation Up To 10' High, Add	0.65	
				For Horizontal Installation >10' High, Add	1.31	
				For Columns Or Beams Up To 10' High, Add	1.35	
				For Columns Or Beams >10' High, Add	2.01	
				For Up To 100, Add	2.18	
				For >100 To 500, Add	1.09	
				For >5,000, Deduct	-0.87	

09 23 13 00-0024 Plaster Bonding Agent (09 23 13)

09 23 13 00-0025	SF			1 Coat, Brush/Roller Plaster Bonding Agent.....	0.49	
				For Walls >10' High, Add	0.04	
				For Columns Or Beams Up To 10' High, Add	0.11	
				For Columns Or Beams >10' High, Add	0.17	
				For Ceiling Application Up To 10' High, Add	0.05	
				For Ceiling Application >10' High, Add	0.09	

09 24 Cement Plastering (09 20)

09 24 13 Acoustical Cement Plastering (09 24)

09 24 13 00-0001				Keene's Cement Plaster, Quick Setting, White Hard Plaster <small>(09 24 13)</small>		
				Note: Used for areas with higher than normal moisture.		

09 Finishes
09 20 Plaster and Gypsum Board
09 24 Cement Plastering

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 24 13 00-0002	SF 1 Coat Keene's Cement Plaster On Walls	3.69	1.62
	For Walls >10' High, Add	0.26	
	For Horizontal Installation Up To 10' High, Add	0.39	
	For Horizontal Installation >10' High, Add	0.78	
	For Columns Or Beams Up To 10' High, Add	0.80	
	For Columns Or Beams >10' High, Add	1.19	
	For Up To 100, Add	1.30	
	For >100 To 500, Add	0.65	
	For >5,000, Deduct	-0.52	
09 24 13 00-0003	SF 2 Coat Keene's Cement Plaster On Walls	5.50	2.53
	For Walls >10' High, Add	0.41	
	For Horizontal Installation Up To 10' High, Add	0.62	
	For Horizontal Installation >10' High, Add	1.23	
	For Columns Or Beams Up To 10' High, Add	1.27	
	For Columns Or Beams >10' High, Add	1.89	
	For Up To 100, Add	2.06	
	For >100 To 500, Add	1.03	
	For >5,000, Deduct	-0.82	
09 24 13 00-0004	SF 3 Coat Keene's Cement Plaster On Walls	6.22	2.86
	For Walls >10' High, Add	0.46	
	For Horizontal Installation Up To 10' High, Add	0.70	
	For Horizontal Installation >10' High, Add	1.39	
	For Columns Or Beams Up To 10' High, Add	1.44	
	For Columns Or Beams >10' High, Add	2.13	
	For Up To 100, Add	2.32	
	For >100 To 500, Add	1.16	
	For >5,000, Deduct	-0.93	

09 24 23 Cement Stucco (09 24)

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001	Stucco (09 24 23) Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002	SF Scratch/Brown/Finish, Three Coat Troweled Stucco.....	6.66	2.01
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.55	
	For Horizontal Installation Up To 10' High, Add	0.82	
	For Horizontal Installation >10' High, Add	1.65	
	For Columns Or Beams Up To 10' High, Add	1.70	
	For Columns Or Beams >10' High, Add	2.53	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.15	
	For Up To 100, Add	2.75	
	For >100 To 500, Add	1.37	
	For >5,000, Deduct	-1.10	
09 24 23 00-0003	SF Scratch/Brown, Two Coat Troweled Stucco.....	3.04	0.98
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.20	
	For Horizontal Installation Up To 10' High, Add	0.30	
	For Horizontal Installation >10' High, Add	0.60	
	For Columns Or Beams Up To 10' High, Add	0.62	
	For Columns Or Beams >10' High, Add	0.92	
	For Up To 100, Add	1.01	
	For >100 To 500, Add	0.50	
	For >5,000, Deduct	-0.40	
09 24 23 00-0004	SF Scratch/Finish, Two Coat Troweled Stucco	4.42	0.98
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.36	
	For Horizontal Installation Up To 10' High, Add	0.54	
	For Horizontal Installation >10' High, Add	1.07	
	For Columns Or Beams Up To 10' High, Add	1.11	
	For Columns Or Beams >10' High, Add	1.64	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	0.98	
	For Up To 100, Add	1.79	
	For >100 To 500, Add	0.89	
	For >5,000, Deduct	-0.71	
09 24 23 00-0005	SF Finish Coat Troweled Stucco.....	2.74	0.65
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.26	
	For Horizontal Installation Up To 10' High, Add	0.39	
	For Horizontal Installation >10' High, Add	0.78	
	For Columns Or Beams Up To 10' High, Add	0.80	
	For Columns Or Beams >10' High, Add	1.19	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	0.98	
	For Up To 100, Add	1.30	
	For >100 To 500, Add	0.65	
	For >5,000, Deduct	-0.52	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001	Cement Parging (09 24 33)		
09 24 33 00-0002	SF 1/8" Thick Sand And Cement Parging.....	3.39	
09 24 33 00-0003	SF 1/4" Thick Sand And Cement Parging.....	4.34	
09 24 33 00-0004	SF 1/2" Thick Sand And Cement Parging.....	5.45	

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 28 Backing Boards and Underlayments (09 20)

09 28 13 Cementitious Backer Boards (09 28)

09 28 13 00-0001

Cementitious Backer Units (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	3.22	0.49
		For Up To 50, Add	2.28	
		For >50 To 250, Add	0.39	
		For >1,000, Deduct	-0.20	
		For Installation On Wall, Add	0.39	
		For Installation On Ceiling, Add	0.99	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	3.65	0.60
		For Up To 50, Add	2.68	
		For >50 To 250, Add	0.47	
		For >1,000, Deduct	-0.24	
		For Installation On Wall, Add	0.47	
		For Installation On Ceiling, Add	1.18	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	4.58	0.69
		For Up To 50, Add	3.22	
		For >50 To 250, Add	0.55	
		For >1,000, Deduct	-0.28	
		For Installation On Wall, Add	0.55	
		For Installation On Ceiling, Add	1.38	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001

Glass Mat Faced Backer Units, DensShield (09 28 16)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	2.40	0.56
		For Up To 50, Add	1.66	
		For >50 To 250, Add	0.28	
		For >1,000, Deduct	-0.14	
		For Installation On Wall, Add	0.28	
		For Installation On Ceiling, Add	0.71	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	3.08	0.63
		For Up To 50, Add	1.96	
		For >50 To 250, Add	0.32	
		For >1,000, Deduct	-0.16	
		For Installation On Wall, Add	0.32	
		For Installation On Ceiling, Add	0.79	

09 29 Gypsum Board (09 20)

09 29 10 Gypsum Board (09 29)

09 29 10 00-0001

Standard Gypsum Board Application (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002

Standard Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0003	SF	1/4" Gypsum Board.....	1.01	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
		For Adhesive Applied Sheets, Add	0.09	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	0.21	
		For Horizontal Installation >10' High, Add	0.32	
		For Walls >10' High, Add	0.05	
		For Up To 128, Add	0.33	
		For >128 To 320, Add	0.20	
		For >1,536, Deduct	-0.09	
09 29 10 00-0004	SF	3/8" Gypsum Board.....	1.09	0.35
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.17	
		For Adhesive Applied Sheets, Add	0.10	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.24	
		For Horizontal Installation >10' High, Add	0.36	
		For Walls >10' High, Add	0.06	
		For Up To 128, Add	0.36	
		For >128 To 320, Add	0.22	
		For >1,536, Deduct	-0.09	
09 29 10 00-0005	SF	1/2" Gypsum Board.....	1.20	0.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
		For Adhesive Applied Sheets, Add	0.10	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.28	
		For Horizontal Installation >10' High, Add	0.41	
		For Walls >10' High, Add	0.07	
		For Up To 128, Add	0.40	
		For >128 To 320, Add	0.24	
		For >1,536, Deduct	-0.10	

09 Finishes
09 20 Plaster and Gypsum Board
09 29 Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0006	SF 5/8" Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.40 0.22 0.11 0.10 0.32 0.47 0.08 0.47 0.28 -0.12	0.46
09 29 10 00-0007	Fire Rated Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0008	Type X, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0009	SF 5/8" Type X Fire Rated Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.49 0.24 0.11 0.10 0.35 0.52 0.08 0.50 0.30 -0.12	0.46
09 29 10 00-0010	Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011	SF 1/2" Type C Fire Rated Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.38 0.21 0.11 0.10 0.31 0.45 0.07 0.46 0.27 -0.12	0.40
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Foil Back Board, Add For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.54 0.24 0.11 0.10 0.35 0.52 0.08 0.51 0.31 -0.13	0.46
09 29 10 00-0013	Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	2.18 0.25 0.11 0.35 0.52 0.08 0.64 0.37 -0.22	0.46
09 29 10 00-0015	Moisture Resistant Gypsum Board Application (09 29 10 00-0001) Note: Water-resistant gypsum core.		
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.32 0.19 0.10 0.28 0.41 0.07 0.43 0.26 -0.12	0.40
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board..... For Curved Surfaces With A 2'-0" Maximum Radius, Add For Adhesive Applied Sheets, Add Note: Includes bracing until adhesive is bonded For Horizontal Installation Up To 10' High, Add For Horizontal Installation >10' High, Add For Walls >10' High, Add For Up To 128, Add For >128 To 320, Add For >1,536, Deduct	1.72 0.22 0.11 0.32 0.47 0.08 0.53 0.31 -0.16	0.40

	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0018	Vinyl Faced Gypsum Board Application <small>(09 29 10 00-0001)</small>		
	Note: Includes clips and adhesive.		
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board	2.76	0.31
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.18	
	For Horizontal Installation Up To 10' High, Add	0.24	
	For Horizontal Installation >10' High, Add	0.36	
	For Walls >10' High, Add	0.06	
	For Up To 128, Add	0.69	
	For >128 To 320, Add	0.38	
	For >1,536, Deduct	-0.34	
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board	2.87	0.40
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.21	
	For Horizontal Installation Up To 10' High, Add	0.28	
	For Horizontal Installation >10' High, Add	0.41	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.74	
	For >128 To 320, Add	0.41	
	For >1,536, Deduct	-0.35	
09 29 10 00-0021	SF 5/8" Prefinished, Vinyl Faced Gypsum Board	2.99	0.46
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.24	
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.47	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.79	
	For >128 To 320, Add	0.44	
	For >1,536, Deduct	-0.35	
09 29 10 00-0022	SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	3.31	0.40
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
	For Horizontal Installation Up To 10' High, Add	0.31	
	For Horizontal Installation >10' High, Add	0.45	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.84	
	For >128 To 320, Add	0.47	
	For >1,536, Deduct	-0.41	
09 29 10 00-0023	SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	5.04	0.46
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
	For Horizontal Installation Up To 10' High, Add	0.35	
	For Horizontal Installation >10' High, Add	0.52	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	1.21	
	For >128 To 320, Add	0.66	
	For >1,536, Deduct	-0.65	
09 29 10 00-0024	Moisture And Mold Resistant Gypsum Board Application <small>(09 29 10 00-0001)</small>		
09 29 10 00-0025	SF 1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.56	0.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.20	
	For Adhesive Applied Sheets, Add	0.10	
	Note: Includes bracing until adhesive is bonded		
	For Non-reinforced Board, Deduct	-0.08	
	For Horizontal Installation Up To 10' High, Add	0.28	
	For Horizontal Installation >10' High, Add	0.41	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.48	
	For >128 To 320, Add	0.28	
	For >1,536, Deduct	-0.15	
09 29 10 00-0026	SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.85	0.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Non-reinforced Board, Deduct	-0.08	
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.47	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.56	
	For >128 To 320, Add	0.33	
	For >1,536, Deduct	-0.18	
09 29 10 00-0027	SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	1.86	0.39
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.31	
	For Horizontal Installation >10' High, Add	0.45	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.55	
	For >128 To 320, Add	0.32	
	For >1,536, Deduct	-0.19	
09 29 10 00-0028	SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.07	0.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.35	
	For Horizontal Installation >10' High, Add	0.52	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.62	
	For >128 To 320, Add	0.36	
	For >1,536, Deduct	-0.21	

09 Finishes
09 20 Plaster and Gypsum Board
09 29 Gypsum Board

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 29 10 00-0029 Impact Resistant Gypsum Board <small>(09 29 10 00-0001)</small>			
Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0030	SF 5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	2.78	0.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.47	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.74	
	For >128 To 320, Add	0.42	
	For >1,536, Deduct	-0.32	
09 29 10 00-0031 Abuse Resistant Gypsum Board <small>(09 29 10 00-0001)</small>			
Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0032	SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	1.90	0.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.47	
	For Walls >10' High, Add	0.07	
	For Up To 128, Add	0.57	
	For >128 To 320, Add	0.33	
	For >1,536, Deduct	-0.19	
09 29 10 00-0033 Noise Reducing Gypsum Board <small>(09 29 10 00-0001)</small>			
09 29 10 00-0034	SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	3.85	0.47
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.48	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	0.96	
	For >128 To 320, Add	0.53	
	For >1,536, Deduct	-0.48	
09 29 10 00-0035	SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	4.71	0.47
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
	For Adhesive Applied Sheets, Add	0.11	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.32	
	For Horizontal Installation >10' High, Add	0.48	
	For Walls >10' High, Add	0.08	
	For Up To 128, Add	1.13	
	For >128 To 320, Add	0.61	
	For >1,536, Deduct	-0.61	
09 29 10 00-0036 Finishing Gypsum Board Applications <small>(09 29 10)</small>			
Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.			
09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>			
09 29 10 00-0038	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.50	
	For Up To 128, Add	0.19	
	For >128 To 320, Add	0.12	
	For >5,400, Deduct	-0.05	
	For ASTM C840 Level 1 Finish, Deduct	-0.24	
	For ASTM C840 Level 2 Finish, Deduct	-0.12	
	For ASTM C840 Level 3 Finish, Deduct	-0.05	
	For ASTM C840 Level 5 High Quality Finish, Add	0.37	
09 29 10 00-0039	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.66	
	Note: Use this task for the entire wall area when the wall is >10' high.		
	For Up To 128, Add	0.25	
	For >128 To 320, Add	0.16	
	For >5,400, Deduct	-0.07	
	For ASTM C840 Level 1 Finish, Deduct	-0.32	
	For ASTM C840 Level 2 Finish, Deduct	-0.16	
	For ASTM C840 Level 3 Finish, Deduct	-0.06	
	For ASTM C840 Level 5 High Quality Finish, Add	0.49	

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>				
09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.65	
		For Up To 128, Add	0.25	
		For >128 To 320, Add	0.16	
		For >5,400, Deduct	-0.07	
		For ASTM C840 Level 1 Finish, Deduct	-0.31	
		For ASTM C840 Level 2 Finish, Deduct	-0.16	
		For ASTM C840 Level 3 Finish, Deduct	-0.06	
		For ASTM C840 Level 5 High Quality Finish, Add	0.48	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.86	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	0.33	
		For >128 To 320, Add	0.21	
		For >5,400, Deduct	-0.09	
		For ASTM C840 Level 1 Finish, Deduct	-0.42	
		For ASTM C840 Level 2 Finish, Deduct	-0.21	
		For ASTM C840 Level 3 Finish, Deduct	-0.08	
		For ASTM C840 Level 5 High Quality Finish, Add	0.64	
09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>				
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	0.99	
		For ASTM C840 Level 1 Finish, Deduct	-0.46	
		For ASTM C840 Level 2 Finish, Deduct	-0.23	
		For ASTM C840 Level 3 Finish, Deduct	-0.09	
		For ASTM C840 Level 5 High Quality Finish, Add	0.72	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.18	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	-0.55	
		For ASTM C840 Level 2 Finish, Deduct	-0.28	
		For ASTM C840 Level 3 Finish, Deduct	-0.11	
		For ASTM C840 Level 5 High Quality Finish, Add	0.87	
09 29 10 00-0046 Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>				
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.15	
		For ASTM C840 Level 1 Finish, Deduct	-0.54	
		For ASTM C840 Level 2 Finish, Deduct	-0.27	
		For ASTM C840 Level 3 Finish, Deduct	-0.11	
		For ASTM C840 Level 5 High Quality Finish, Add	0.84	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.37	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	-0.65	
		For ASTM C840 Level 2 Finish, Deduct	-0.32	
		For ASTM C840 Level 3 Finish, Deduct	-0.13	
		For ASTM C840 Level 5 High Quality Finish, Add	1.01	
09 29 10 00-0049 Casing And Corner Beads <small>(09 29 10)</small>				
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board.....	3.14	0.79
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board.....	2.81	0.79
09 29 10 00-0052 Preformed Architectural Profiles <small>(09 29 10)</small>				
09 29 10 00-0053 Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.79	0.95
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.82	0.95
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.93	0.95
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.99	0.95
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.14	0.95
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.28	0.95
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.43	0.95
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.89	0.95
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.36	0.95
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.88	1.03
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.88	1.03
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.20	1.03
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.26	1.03
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.46	1.03
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.55	1.03
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.66	1.03
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.19	1.03
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.71	1.03
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.82	1.18
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.69	1.18
09 29 10 00-0074 Edge Trim For Gypsum Board <small>(09 29 10 00-0052)</small>				
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.48	0.99
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.71	0.99
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.34	1.09
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.56	1.18
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.39	0.99
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.62	0.99

09 Finishes

09 20 Plaster and Gypsum Board

09 29 Gypsum Board

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.25	1.09
09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.46	1.18
09 29 10 00-0083			Bevel Trim For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0084	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	3.71	0.99
09 29 10 00-0085	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	4.25	1.09
09 29 10 00-0086			Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0087	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	5.05	1.18
09 29 10 00-0088			Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0089	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.58	0.63
09 29 10 00-0090	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.64	0.71
09 29 10 00-0091	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.21	0.79
09 29 10 00-0092	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.46	0.87
09 29 10 00-0093	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.72	0.95
09 29 10 00-0094	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.81	0.95
09 29 10 00-0095	LF		1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.07	0.95
09 29 10 00-0096	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.56	0.95
09 29 10 00-0097	LF		2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.73	0.95
09 29 10 00-0098	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.46	1.03
09 29 10 00-0099	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.52	1.03
09 29 10 00-0100	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.84	1.03
09 29 10 00-0101	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.98	1.03
09 29 10 00-0102	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.10	1.03
09 29 10 00-0103	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.25	1.03
09 29 10 00-0104	LF		1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.45	1.03
09 29 10 00-0105	LF		1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.97	1.03
09 29 10 00-0106	LF		2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.41	1.03
09 29 10 00-0107	LF		3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.80	1.03
09 29 10 00-0108	LF		4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.48	1.03
09 29 10 00-0109	LF		3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.28	1.03
09 29 10 00-0110	LF		3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	7.51	1.03
09 29 10 00-0111	LF		4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.30	1.03
09 29 10 00-0112	LF		4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	8.38	1.03
09 29 10 00-0113	LF		9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	9.52	1.03
09 29 10 00-0114	LF		5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	7.83	1.03
09 29 10 00-0115			'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0116	LF		1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	5.58	1.41
09 29 10 00-0117	LF		3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.39	1.58
09 29 10 00-0118	LF		1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.28	1.89
09 29 10 00-0119	LF		9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	7.41	2.05
09 29 10 00-0120			Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0121	LF		3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.18	0.95
09 29 10 00-0122	LF		1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.24	0.95
09 29 10 00-0123	LF		1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.30	0.95
09 29 10 00-0124	LF		3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.30	0.95
09 29 10 00-0125	LF		1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.56	0.95
09 29 10 00-0126	LF		5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.68	0.93
09 29 10 00-0127	LF		3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.79	0.95
09 29 10 00-0128	LF		1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.05	0.95
09 29 10 00-0129	LF		1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.49	0.95
09 29 10 00-0130	LF		2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.96	0.95
09 29 10 00-0131	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.48	1.03
09 29 10 00-0132	LF		1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.54	1.03
09 29 10 00-0133	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.65	1.03
09 29 10 00-0134	LF		1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.91	1.03
09 29 10 00-0135	LF		5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.03	1.03
09 29 10 00-0136	LF		3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.12	1.03
09 29 10 00-0137	LF		1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.41	1.03
09 29 10 00-0138	LF		1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.87	1.03
09 29 10 00-0139	LF		2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.34	1.03
09 29 10 00-0140	LF		3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.59	1.03
09 29 10 00-0141	LF		4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.20	1.03
09 29 10 00-0142	LF		1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.08	1.12
09 29 10 00-0143	LF		3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.48	1.36
09 29 10 00-0144	LF		1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.86	1.36
09 29 10 00-0145	LF		1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	9.16	0.93
09 29 10 00-0146	LF		1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	8.55	1.36
09 29 10 00-0147	LF		1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	6.14	0.93
09 29 10 00-0148			Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0149			Radius Conditions (09 29 10 00-0148)		
09 29 10 00-0150	EA		8' Long Inside Radius For Gypsum Board.....	72.63	
			Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0151	EA		8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	72.63	
09 29 10 00-0152	EA		8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	72.63	
09 29 10 00-0153			Knee Brace Kit (09 29 10 00-0148)		
09 29 10 00-0154	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	159.14	9.84
09 29 10 00-0155			Wall Bumper Rail (09 29 10 00-0148)		
09 29 10 00-0156	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	22.40	3.94
09 29 10 00-0157			Corners For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0158	LF		1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	4.81	0.95
09 29 10 00-0159	LF		5/8" R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.13	1.03
09 29 10 00-0160	LF		3/4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.68	1.07
09 29 10 00-0161	LF		1" R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.34	1.12
09 29 10 00-0162	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	7.68	1.36
09 29 10 00-0163	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.89	1.53
09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.77	1.76
09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.08	2.05
09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	17.96	2.74
09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	4.79	0.91
09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.74	1.23
09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	6.32	1.23
09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	11.29	1.23
09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	16.04	1.53
09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	15.40	1.53
09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	4.73	1.07
09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	4.75	1.03
09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	4.78	0.95
09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	5.01	1.03
09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	6.71	1.12
09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	5.91	0.95
09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	6.23	1.03
09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	9.10	1.12
09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	9.98	0.95
09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board	17.17	2.05
09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	18.34	2.05
09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	33.91	3.42
09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	56.17	4.84
09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	5.71	1.05
09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.51	1.10
09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	7.82	1.35
09 29 10 00-0189	LF		2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.59	1.51
09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.53	1.74
09 29 10 00-0191	LF		3" R, Aluminum Extrusions, Inside Corner For Gypsum Board	14.65	2.02
09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.68	2.69
09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.64	2.02
09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	10.78	2.02
09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.71	2.02
09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	12.00	2.02
09 29 82			Gypsum Board Fire Protection (09 29)		
09 29 82 00-0001			Shaft Wall (09 29 82)		
			See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	5.54	1.97
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.34	
			<i>For Horizontal Installation >10' High, Add</i>	1.97	
			<i>For Walls >10' High, Add</i>	0.32	
			<i>For Up To 128, Add</i>	1.90	
			<i>For >128 To 320, Add</i>	1.15	
			<i>For >1,536, Deduct</i>	-0.44	
09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	6.36	2.36
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.61	
			<i>For Horizontal Installation >10' High, Add</i>	2.37	
			<i>For Walls >10' High, Add</i>	0.38	
			<i>For Up To 128, Add</i>	2.22	
			<i>For >128 To 320, Add</i>	1.35	
			<i>For >1,536, Deduct</i>	-0.48	
09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	5.81	1.52
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.03	
			<i>For Horizontal Installation >10' High, Add</i>	1.52	
			<i>For Walls >10' High, Add</i>	0.24	
			<i>For Up To 128, Add</i>	1.77	
			<i>For >128 To 320, Add</i>	1.04	
			<i>For Glass Mat Surfaces, Add</i>	0.27	

09 Finishes

09 20 Plaster and Gypsum Board

09 29 Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 82 00-0005	SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	6.28 1.08 1.59 0.25 1.89 1.11 0.27	1.60
09 29 82 00-0006	SF 2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	7.13 1.08 1.59 0.25 2.06 1.19 0.27	1.60
09 29 82 00-0007	SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	7.63 1.14 1.67 0.27 2.19 1.26 0.27	1.67

09 30 Tiling⁽⁰⁹⁾

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling^(09 30 13)

09 30 13 00-0002	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.40 6.70 0.96 -0.48 0.95 1.07	2.40
09 30 13 00-0003	SF Less Than 8" x 8", Mounted, Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	11.76 6.54 0.96 -0.48 0.95 1.00 1.07	2.40
09 30 13 00-0004	SF 8" x 8" And Larger Unmounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.96 7.74 1.20 -0.60 1.13 1.10 1.25	1.50
09 30 13 00-0005	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	13.42 7.72 1.16 -0.58 1.10 1.22	2.91
09 30 13 00-0006	SF Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.78 7.56 1.16 -0.58 1.10 1.22	2.91
09 30 13 00-0007	SF 8" x 8" And Larger Unmounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	14.32 9.10 1.47 -0.74 1.33 1.45	1.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceiling Tile 17.04 Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.74 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.86 <i>For Up To 50, Add</i> 11.82 <i>For >50 To 250, Add</i> 2.02 <i>For >1,000, Deduct</i> -1.01		5.04
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceiling Tile 19.06 Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 2.05 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 2.17 <i>For Up To 50, Add</i> 13.84 <i>For >50 To 250, Add</i> 2.42 <i>For >1,000, Deduct</i> -1.21		3.02
09 30 13 00-0010	LF		4-1/4" To 4-1/2" High, Cove Base Or Trim 10.12 Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.37 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.43		2.10
09 30 13 00-0011	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) 15.10 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.37 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.43		2.10
09 30 13 00-0012	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) 16.92 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.37 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.43		2.10
09 30 13 00-0013	EA		6" High, Unpolished Ceramic Cove Base Outer Corner 13.05		0.46
09 30 13 00-0014	Residential Ceramic Tiling (09 30 13)				
09 30 13 00-0015	SF		Mounted Floor Tile, Residential Grade 9.19 Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 5.90 <i>For >50 To 250, Add</i> 0.96 <i>For >1,000, Deduct</i> -0.48 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 0.95		2.40
09 30 13 00-0016	SF		Mounted Wall Tile, Residential Grade 10.21 Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> 6.92 <i>For >50 To 250, Add</i> 1.16 <i>For >1,000, Deduct</i> -0.58 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.10		2.91
09 30 13 00-0017	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade 8.88 Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> 5.82 <i>For >50 To 250, Add</i> 0.96 <i>For >1,000, Deduct</i> -0.48 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 0.95		2.40
09 30 16	Quarry Tiling (09 30)				
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 16 00-0001	SF		Unglazed Quarry Floor Tile 9.73 Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 7.47 <i>For >50 To 250, Add</i> 1.34 <i>For >1,000, Deduct</i> -0.67 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.24 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.36		1.69
09 30 16 00-0002	SF		Glazed Quarry Floor Tile 19.02 <i>For Up To 50, Add</i> 9.80 <i>For >50 To 250, Add</i> 1.34 <i>For >1,000, Deduct</i> -0.67 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.24 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.36		1.69
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile 11.07 Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> 8.81 <i>For >50 To 250, Add</i> 1.61 <i>For >1,000, Deduct</i> -0.81 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.44 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.56		2.00
09 30 16 00-0004	SF		Glazed Quarry Wall Tile 20.36 <i>For Up To 50, Add</i> 11.14 <i>For >50 To 250, Add</i> 1.61 <i>For >1,000, Deduct</i> -0.81 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.44 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.56		2.00
09 30 16 00-0005	LF		6" High Unglazed Quarry Tile Cove Base Or Trim 13.57 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.44 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.50		2.22
09 30 16 00-0006	LF		6" High Glazed Quarry Tile Cove Base Or Trim 28.80 <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> 1.44 <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> 1.50		2.22
09 31	Thin-Set Tiling (09 30)				
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.					

09 Finishes**09 30 Tiling****09 31 Thin-Set Tiling**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**09 31 13 Thin-Set Ceramic Tiling (09 31)****09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)**

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.50	0.79
		<i>For Up To 50, Add</i>	1.28	
		<i>For >50 To 250, Add</i>	0.24	
		<i>For >1,000, Deduct</i>	-0.12	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	0.76	
		<i>For Up To 50, Add</i>	0.76	
		<i>For >50 To 250, Add</i>	0.15	
		<i>For >1,000, Deduct</i>	-0.08	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)**09 32 13 00-0001 Mortar-Bed Ceramic Tiling (09 32 13)**

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	3.76	1.60
		Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
		<i>For Up To 50, Add</i>	2.74	
		<i>For >50 To 250, Add</i>	0.48	
		<i>For >1,000, Deduct</i>	-0.24	
		<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	5.47	2.13
		Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
		<i>For Up To 50, Add</i>	3.77	
		<i>For >50 To 250, Add</i>	0.64	
		<i>For >1,000, Deduct</i>	-0.32	
		<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls	11.38	4.80
		Note: Includes 15 LB felt and expanded metal lath.		
		<i>For Up To 50, Add</i>	10.05	
		<i>For >50 To 250, Add</i>	1.92	
		<i>For >1,000, Deduct</i>	-0.96	
		<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
		<i>For Installation Without Felt And Metal Lath, Deduct</i>	-1.93	

09 34 Waterproofing-Membrane Tiling (09 30)**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)****09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)**

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,000.08	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,154.85	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,704.39	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	121.45	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	115.40	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	244.66	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	489.17	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	603.28	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	440.27	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	489.17	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	521.78	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	211.11	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	211.11	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	325.22	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	3.72	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	4.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	3.28	

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling (09 35)

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling (09 35 13)

09 35 13 00-0002	SF		Thin Set - Epoxy Mortar	4.34	1.06
			Note: Impact and chemical resistant.		
			For Up To 50, Add	2.29	
			For >50 To 250, Add	0.32	
			For >1,000, Deduct	-0.16	

09 39 Tiling Transitions (09 30)

09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD) (09 39)

09 39 00 00-0002	SF		1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	6.47	0.56
09 39 00 00-0003	SF		5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	7.29	0.63

09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0005	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.95	
09 39 00 00-0006	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.04	
09 39 00 00-0007	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.13	
09 39 00 00-0008	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.28	
09 39 00 00-0009	LF		1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.88	
09 39 00 00-0010	LF		5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	4.00	
09 39 00 00-0011	LF		3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	4.08	
09 39 00 00-0012	LF		1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	4.18	
09 39 00 00-0013	LF		9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.09	
09 39 00 00-0014	LF		1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.18	
09 39 00 00-0015	LF		1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.90	
09 39 00 00-0016	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.09	
09 39 00 00-0017	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.28	
09 39 00 00-0018	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.15	
09 39 00 00-0019	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.03	
09 39 00 00-0020	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.22	
09 39 00 00-0021	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.09	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0023	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC)	4.01	
09 39 00 00-0024	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC)	4.21	
09 39 00 00-0025	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC)	4.51	
09 39 00 00-0026	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC)	4.82	
09 39 00 00-0027	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.42	
09 39 00 00-0028	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.81	
09 39 00 00-0029	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.19	
09 39 00 00-0030	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.87	

09 50 Ceilings (09)

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels (09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)

Note: Includes square edge and class A fire rating.

09 51 13 00-0003	SF		2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3150)	5.81	0.31
			For Up To 50, Add	1.28	
			For >50 To 200, Add	0.79	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.79	
			For Ceilings >10' High, Add	0.08	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0004	SF 2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3151)	6.02	0.31
	For Up To 50, Add	1.31	
	For >50 To 200, Add	0.81	
	For >200 To 500, Add	0.35	
	For >2,500 To 4,000, Deduct	-0.13	
	For >4,000 To 5,000, Deduct	-0.20	
	For >5,000, Deduct	-0.30	
	For Individual Room Quantities <495, Add	0.81	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3152)	6.51	0.39
	For Up To 50, Add	1.42	
	For >50 To 200, Add	0.87	
	For >200 To 500, Add	0.38	
	For >2,500 To 4,000, Deduct	-0.14	
	For >4,000 To 5,000, Deduct	-0.22	
	For >5,000, Deduct	-0.33	
	For Individual Room Quantities <495, Add	0.87	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0006	SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3153)	6.46	0.39
	For Up To 50, Add	1.41	
	For >50 To 200, Add	0.87	
	For >200 To 500, Add	0.38	
	For >2,500 To 4,000, Deduct	-0.13	
	For >4,000 To 5,000, Deduct	-0.22	
	For >5,000, Deduct	-0.32	
	For Individual Room Quantities <495, Add	0.87	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0007	SF 2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8372)	10.52	0.39
	For Up To 50, Add	2.02	
	For >50 To 200, Add	1.27	
	For >200 To 500, Add	0.58	
	For >2,500 To 4,000, Deduct	-0.22	
	For >4,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.49	
	For Individual Room Quantities <495, Add	1.27	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0008	SF 2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™ 8373)	10.52	0.39
	For Up To 50, Add	2.02	
	For >50 To 200, Add	1.27	
	For >200 To 500, Add	0.58	
	For >2,500 To 4,000, Deduct	-0.22	
	For >4,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.49	
	For Individual Room Quantities <495, Add	1.27	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0009	Mineral Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0010	Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0009)</small>		
	Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0011	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.15	0.31
	For Up To 50, Add	0.73	
	For >50 To 200, Add	0.42	
	For >200 To 500, Add	0.16	
	For >2,500 To 4,000, Deduct	-0.05	
	For >4,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.15	
	For Individual Room Quantities <495, Add	0.42	
	For Vertical Application, Add	0.46	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0012	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	1.97	0.31
	For Up To 50, Add	0.70	
	For >50 To 200, Add	0.40	
	For >200 To 500, Add	0.15	
	For >2,500 To 4,000, Deduct	-0.04	
	For >4,000 To 5,000, Deduct	-0.08	
	For >5,000, Deduct	-0.14	
	For Individual Room Quantities <495, Add	0.40	
	For Vertical Application, Add	0.46	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0013	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	2.43	0.31
	For Up To 50, Add	0.77	
	For >50 To 200, Add	0.45	
	For >200 To 500, Add	0.17	
	For >2,500 To 4,000, Deduct	-0.05	
	For >4,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.16	
	For Individual Room Quantities <495, Add	0.45	
	For Vertical Application, Add	0.46	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0014	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	2.34	0.31
	For Up To 50, Add	0.76	
	For >50 To 200, Add	0.44	
	For >200 To 500, Add	0.17	
	For >2,500 To 4,000, Deduct	-0.05	
	For >4,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.15	
	For Individual Room Quantities <495, Add	0.44	
	For Vertical Application, Add	0.46	
	For Ceilings >10' High, Add	0.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	3.74	0.31	
		For Up To 50, Add	0.97		
		For >50 To 200, Add	0.58		
		For >200 To 500, Add	0.24		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.13		
		For >5,000, Deduct	-0.21		
		For Individual Room Quantities <495, Add	0.58		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	2.92	0.31	
		For Up To 50, Add	0.85		
		For >50 To 200, Add	0.50		
		For >200 To 500, Add	0.20		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.18		
		For Individual Room Quantities <495, Add	0.50		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0017	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.14	0.31	
		For Up To 50, Add	0.88		
		For >50 To 200, Add	0.52		
		For >200 To 500, Add	0.21		
		For >2,500 To 4,000, Deduct	-0.07		
		For >4,000 To 5,000, Deduct	-0.11		
		For >5,000, Deduct	-0.19		
		For Individual Room Quantities <495, Add	0.52		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0018	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	2.76	0.31	
		For Up To 50, Add	0.82		
		For >50 To 200, Add	0.48		
		For >200 To 500, Add	0.19		
		For >2,500 To 4,000, Deduct	-0.06		
		For >4,000 To 5,000, Deduct	-0.10		
		For >5,000, Deduct	-0.17		
		For Individual Room Quantities <495, Add	0.48		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0019	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.10	0.31	
		For Up To 50, Add	1.02		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.23		
		For Individual Room Quantities <495, Add	0.61		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0020	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.09	0.31	
		For Up To 50, Add	1.02		
		For >50 To 200, Add	0.61		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.14		
		For >5,000, Deduct	-0.22		
		For Individual Room Quantities <495, Add	0.61		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0021	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	5.56	0.31	
		For Up To 50, Add	1.24		
		For >50 To 200, Add	0.76		
		For >200 To 500, Add	0.33		
		For >2,500 To 4,000, Deduct	-0.12		
		For >4,000 To 5,000, Deduct	-0.19		
		For >5,000, Deduct	-0.28		
		For Individual Room Quantities <495, Add	0.76		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0022	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.12	0.31	
		For Up To 50, Add	1.33		
		For >50 To 200, Add	0.82		
		For >200 To 500, Add	0.36		
		For >2,500 To 4,000, Deduct	-0.13		
		For >4,000 To 5,000, Deduct	-0.20		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.82		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		
09 51 13 00-0023	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.31	0.31	
		For Up To 50, Add	1.20		
		For >50 To 200, Add	0.74		
		For >200 To 500, Add	0.32		
		For >2,500 To 4,000, Deduct	-0.11		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.27		
		For Individual Room Quantities <495, Add	0.74		
		For Vertical Application, Add	0.46		
		For Ceilings >10' High, Add	0.08		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0024	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.28	0.31
	For Up To 50, Add	1.20	
	For >50 To 200, Add	0.73	
	For >200 To 500, Add	0.32	
	For >2,500 To 4,000, Deduct	-0.11	
	For >4,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.27	
	For Individual Room Quantities <495, Add	0.73	
	For Vertical Application, Add	0.46	
	For Ceilings >10' High, Add	0.08	
09 51 13 00-0025	SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617).....	2.42	0.31
09 51 13 00-0026	SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627).....	2.71	0.31
09 51 13 00-0027 Clean Room, Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)			
Note: Includes square or tegular edge and class A fire rating.			
09 51 13 00-0028	SF 2' x 2' x 5/8" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	4.80	0.47
	For Up To 50, Add	1.08	
	For >50 To 200, Add	0.66	
	For >200 To 500, Add	0.29	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.16	
	For >5,000, Deduct	-0.25	
	For Individual Room Quantities <495, Add	0.66	
	For Vertical Application, Add	0.41	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0029	SF 2' x 4' x 5/8" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	4.75	0.47
	For Up To 50, Add	1.06	
	For >50 To 200, Add	0.65	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.16	
	For >5,000, Deduct	-0.24	
	For Individual Room Quantities <495, Add	0.65	
	For Vertical Application, Add	0.40	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0030	SF 2' x 2' x 5/8" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	8.19	0.47
	For Up To 50, Add	1.59	
	For >50 To 200, Add	1.00	
	For >200 To 500, Add	0.45	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.38	
	For Individual Room Quantities <495, Add	1.00	
	For Vertical Application, Add	0.41	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0031	SF 2' x 4' x 5/8" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	8.17	0.47
	For Up To 50, Add	1.58	
	For >50 To 200, Add	0.99	
	For >200 To 500, Add	0.45	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.38	
	For Individual Room Quantities <495, Add	0.99	
	For Vertical Application, Add	0.40	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0032	SF 2' x 2' x 3/4" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	8.19	0.47
	For Up To 50, Add	1.59	
	For >50 To 200, Add	1.00	
	For >200 To 500, Add	0.45	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.38	
	For Individual Room Quantities <495, Add	1.00	
	For Vertical Application, Add	0.41	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0033	SF 2' x 4' x 3/4" Thick, Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	8.17	0.47
	For Up To 50, Add	1.58	
	For >50 To 200, Add	0.99	
	For >200 To 500, Add	0.45	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.26	
	For >5,000, Deduct	-0.38	
	For Individual Room Quantities <495, Add	0.99	
	For Vertical Application, Add	0.40	
	For Ceilings >10' High, Add	0.07	
09 51 13 00-0034 Vinyl Faced, Gypsum Core Panels (09 51 13)			
Note: National Gypsum Gold Bond Gridstone.			
09 51 13 00-0035	SF 2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	4.26	0.31
	For Up To 50, Add	0.99	
	For >50 To 200, Add	0.60	
	For >200 To 500, Add	0.26	
	For >2,500 To 4,000, Deduct	-0.09	
	For >4,000 To 5,000, Deduct	-0.15	
	For >5,000, Deduct	-0.22	
	For Individual Room Quantities <495, Add	0.60	
	For Ceilings >10' High, Add	0.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0036	SF	2' x 4' x 1/2"	Vinyl Faced, Gypsum Core Ceiling Panel.....	4.15	0.31
			For Up To 50, Add	0.97	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.59	
			For Ceilings >10' High, Add	0.07	
09 51 13 00-0037			Wood Fiber Panels (09 51 13)		
09 51 13 00-0038	SF	2' x 2' x 1/2"	Wood Fiber Acoustical Ceiling Panels.....	4.12	0.47
			For Up To 50, Add	1.18	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.69	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0039	SF	2' x 4' x 1/2"	Wood Fiber Acoustical Ceiling Panels.....	3.98	0.47
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.65	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.65	
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0040	SF	2' x 2' x 5/8"	Wood Fiber Acoustical Ceiling Panels.....	5.33	0.47
			For Up To 50, Add	1.36	
			For >50 To 200, Add	0.81	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.81	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0041	SF	2' x 4' x 5/8"	Wood Fiber Acoustical Ceiling Panels.....	5.19	0.47
			For Up To 50, Add	1.28	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.77	
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0042	SF	2' x 2' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	6.50	0.47
			For Up To 50, Add	1.54	
			For >50 To 200, Add	0.93	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.93	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0043	SF	2' x 4' x 3/4"	Wood Fiber Acoustical Ceiling Panels.....	6.36	0.47
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.89	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.89	
			For Ceilings >10' High, Add	0.09	
09 51 13 00-0044	SF	2' x 2' x 1"	Wood Fiber Acoustical Ceiling Panels.....	4.83	0.47
			For Up To 50, Add	1.28	
			For >50 To 200, Add	0.76	
			For >200 To 500, Add	0.31	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.76	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0045	SF	2' x 4' x 1"	Wood Fiber Acoustical Ceiling Panels.....	4.69	0.47
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.72	
			For Ceilings >10' High, Add	0.09	

09 51 13 00-0046 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0047	SF	Removal And Reinstallation Of Acoustical Panels Only.....		0.76	
		<i>For Up To 50, Add</i>		0.42	
		<i>For >50 To 200, Add</i>		0.23	
		<i>For >200 To 500, Add</i>		0.08	
		<i>For >2,500 To 4,000, Deduct</i>		-0.02	
		<i>For >4,000 To 5,000, Deduct</i>		-0.04	
		<i>For >5,000, Deduct</i>		-0.08	
		<i>For Ceilings >10' High, Add</i>		0.06	
09 51 23		Acoustical Tile Ceilings (09 51)			
		Note: Includes fastening with staples and/or adhesive.			
09 51 23 00-0001		Mineral Fiber Acoustical Tile Ceilings (09 51 23)			
09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....		4.19	0.87
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>		0.50	
		<i>For Up To 50, Add</i>		1.42	
		<i>For >50 To 200, Add</i>		0.81	
		<i>For >200 To 500, Add</i>		0.31	
		<i>For >2,500, Deduct</i>		-0.21	
		<i>For Ceilings >10' High, Add</i>		0.15	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....		5.03	0.87
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>		0.50	
		<i>For Up To 50, Add</i>		1.54	
		<i>For >50 To 200, Add</i>		0.90	
		<i>For >200 To 500, Add</i>		0.35	
		<i>For >2,500, Deduct</i>		-0.25	
		<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>		-0.34	
		<i>For Ceilings >10' High, Add</i>		0.15	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....		5.69	0.87
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>		0.50	
		<i>For Up To 50, Add</i>		1.64	
		<i>For >50 To 200, Add</i>		0.96	
		<i>For >200 To 500, Add</i>		0.38	
		<i>For >2,500, Deduct</i>		-0.28	
		<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>		-0.34	
		<i>For Ceilings >10' High, Add</i>		0.15	
09 51 23 00-0005		Wood Fiber Acoustical Tile Ceilings (09 51 23)			
09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....		3.84	0.87
		<i>For Furring 1 x 3 Strips 12" On Center, Add</i>		0.50	
		<i>For Up To 50, Add</i>		1.36	
		<i>For >50 To 200, Add</i>		0.78	
		<i>For >200 To 500, Add</i>		0.29	
		<i>For >2,500, Deduct</i>		-0.19	
		<i>For Ceilings >10' High, Add</i>		0.15	
09 51 33		Acoustical Metal Pan Ceilings (09 51)			
09 51 33 13		Acoustical Snap-in Metal Pan Ceilings (09 51 33)			
09 51 33 13-0001		Acoustical Snap-In Metal Pan Ceilings (09 51 33 13)			
09 51 33 13-0002		Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)			
09 51 33 13-0003	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....		16.00	0.69
		<i>For Up To 50, Add</i>		2.95	
		<i>For >50 To 200, Add</i>		1.88	
		<i>For >200 To 500, Add</i>		0.87	
		<i>For >2,500 To 4,000, Deduct</i>		-0.33	
		<i>For >4,000 To 5,000, Deduct</i>		-0.51	
		<i>For >5,000, Deduct</i>		-0.72	
		<i>For Ceilings >10' High, Add</i>		0.10	
09 51 33 13-0004	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....		17.13	0.69
		<i>For Up To 50, Add</i>		3.12	
		<i>For >50 To 200, Add</i>		1.99	
		<i>For >200 To 500, Add</i>		0.93	
		<i>For >2,500 To 4,000, Deduct</i>		-0.35	
		<i>For >4,000 To 5,000, Deduct</i>		-0.54	
		<i>For >5,000, Deduct</i>		-0.77	
		<i>For Ceilings >10' High, Add</i>		0.10	
09 51 33 13-0005		Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)			
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....		11.85	0.79
		<i>For Up To 50, Add</i>		2.41	
		<i>For >50 To 200, Add</i>		1.50	
		<i>For >200 To 500, Add</i>		0.67	
		<i>For >2,500 To 4,000, Deduct</i>		-0.24	
		<i>For >4,000 To 5,000, Deduct</i>		-0.39	
		<i>For >5,000, Deduct</i>		-0.57	
		<i>For Ceilings >10' High, Add</i>		0.12	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.25		0.79
		For Up To 50, Add	3.67		
		For >50 To 200, Add	2.34		
		For >200 To 500, Add	1.09		
		For >2,500 To 4,000, Deduct	-0.41		
		For >4,000 To 5,000, Deduct	-0.64		
		For >5,000, Deduct	-0.90		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	39.84		0.79
		For Up To 50, Add	6.60		
		For >50 To 200, Add	4.30		
		For >200 To 500, Add	2.07		
		For >2,500 To 4,000, Deduct	-0.80		
		For >4,000 To 5,000, Deduct	-1.23		
		For >5,000, Deduct	-1.69		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0009	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.93		0.79
		For Up To 50, Add	3.32		
		For >50 To 200, Add	2.11		
		For >200 To 500, Add	0.98		
		For >2,500 To 4,000, Deduct	-0.37		
		For >4,000 To 5,000, Deduct	-0.57		
		For >5,000, Deduct	-0.81		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.52		0.79
		For Up To 50, Add	2.51		
		For >50 To 200, Add	1.57		
		For >200 To 500, Add	0.70		
		For >2,500 To 4,000, Deduct	-0.26		
		For >4,000 To 5,000, Deduct	-0.41		
		For >5,000, Deduct	-0.60		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.73		0.79
		For Up To 50, Add	3.59		
		For >50 To 200, Add	2.29		
		For >200 To 500, Add	1.07		
		For >2,500 To 4,000, Deduct	-0.40		
		For >4,000 To 5,000, Deduct	-0.62		
		For >5,000, Deduct	-0.88		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	39.54		0.79
		For Up To 50, Add	6.56		
		For >50 To 200, Add	4.27		
		For >200 To 500, Add	2.06		
		For >2,500 To 4,000, Deduct	-0.80		
		For >4,000 To 5,000, Deduct	-1.22		
		For >5,000, Deduct	-1.68		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0013	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.78		0.79
		For Up To 50, Add	3.30		
		For >50 To 200, Add	2.09		
		For >200 To 500, Add	0.97		
		For >2,500 To 4,000, Deduct	-0.36		
		For >4,000 To 5,000, Deduct	-0.56		
		For >5,000, Deduct	-0.81		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.20		0.79
		For Up To 50, Add	3.06		
		For >50 To 200, Add	1.93		
		For >200 To 500, Add	0.89		
		For >2,500 To 4,000, Deduct	-0.33		
		For >4,000 To 5,000, Deduct	-0.52		
		For >5,000, Deduct	-0.74		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.38		0.79
		For Up To 50, Add	3.84		
		For >50 To 200, Add	2.45		
		For >200 To 500, Add	1.15		
		For >2,500 To 4,000, Deduct	-0.44		
		For >4,000 To 5,000, Deduct	-0.67		
		For >5,000, Deduct	-0.95		
		For Ceilings >10' High, Add	0.12		
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	43.96		0.79
		For Up To 50, Add	7.22		
		For >50 To 200, Add	4.71		
		For >200 To 500, Add	2.28		
		For >2,500 To 4,000, Deduct	-0.89		
		For >4,000 To 5,000, Deduct	-1.35		
		For >5,000, Deduct	-1.85		
		For Ceilings >10' High, Add	0.12		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 33 13-0017	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.15	0.79
		<i>For Up To 50, Add</i>	3.80	
		<i>For >50 To 200, Add</i>	2.43	
		<i>For >200 To 500, Add</i>	1.14	
		<i>For >2,500 To 4,000, Deduct</i>	-0.43	
		<i>For >4,000 To 5,000, Deduct</i>	-0.67	
		<i>For >5,000, Deduct</i>	-0.94	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.18	0.79
		<i>For Up To 50, Add</i>	3.21	
		<i>For >50 To 200, Add</i>	2.03	
		<i>For >200 To 500, Add</i>	0.94	
		<i>For >2,500 To 4,000, Deduct</i>	-0.35	
		<i>For >4,000 To 5,000, Deduct</i>	-0.55	
		<i>For >5,000, Deduct</i>	-0.78	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.90	0.79
		<i>For Up To 50, Add</i>	3.91	
		<i>For >50 To 200, Add</i>	2.50	
		<i>For >200 To 500, Add</i>	1.17	
		<i>For >2,500 To 4,000, Deduct</i>	-0.45	
		<i>For >4,000 To 5,000, Deduct</i>	-0.69	
		<i>For >5,000, Deduct</i>	-0.97	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	45.46	0.79
		<i>For Up To 50, Add</i>	7.45	
		<i>For >50 To 200, Add</i>	4.86	
		<i>For >200 To 500, Add</i>	2.35	
		<i>For >2,500 To 4,000, Deduct</i>	-0.92	
		<i>For >4,000 To 5,000, Deduct</i>	-1.40	
		<i>For >5,000, Deduct</i>	-1.91	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0021	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.68	0.79
		<i>For Up To 50, Add</i>	3.88	
		<i>For >50 To 200, Add</i>	2.48	
		<i>For >200 To 500, Add</i>	1.16	
		<i>For >2,500 To 4,000, Deduct</i>	-0.44	
		<i>For >4,000 To 5,000, Deduct</i>	-0.68	
		<i>For >5,000, Deduct</i>	-0.96	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.63	0.79
		<i>For Up To 50, Add</i>	2.82	
		<i>For >50 To 200, Add</i>	1.78	
		<i>For >200 To 500, Add</i>	0.81	
		<i>For >2,500 To 4,000, Deduct</i>	-0.30	
		<i>For >4,000 To 5,000, Deduct</i>	-0.47	
		<i>For >5,000, Deduct</i>	-0.68	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.08	0.79
		<i>For Up To 50, Add</i>	4.24	
		<i>For >50 To 200, Add</i>	2.72	
		<i>For >200 To 500, Add</i>	1.28	
		<i>For >2,500 To 4,000, Deduct</i>	-0.49	
		<i>For >4,000 To 5,000, Deduct</i>	-0.75	
		<i>For >5,000, Deduct</i>	-1.06	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	42.99	0.79
		<i>For Up To 50, Add</i>	7.08	
		<i>For >50 To 200, Add</i>	4.61	
		<i>For >200 To 500, Add</i>	2.23	
		<i>For >2,500 To 4,000, Deduct</i>	-0.87	
		<i>For >4,000 To 5,000, Deduct</i>	-1.32	
		<i>For >5,000, Deduct</i>	-1.81	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0025	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.63	0.79
		<i>For Up To 50, Add</i>	3.72	
		<i>For >50 To 200, Add</i>	2.38	
		<i>For >200 To 500, Add</i>	1.11	
		<i>For >2,500 To 4,000, Deduct</i>	-0.42	
		<i>For >4,000 To 5,000, Deduct</i>	-0.65	
		<i>For >5,000, Deduct</i>	-0.92	
		<i>For Ceilings >10' High, Add</i>	0.12	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.75	0.79
		<i>For Up To 50, Add</i>	2.99	
		<i>For >50 To 200, Add</i>	1.89	
		<i>For >200 To 500, Add</i>	0.87	
		<i>For >2,500 To 4,000, Deduct</i>	-0.32	
		<i>For >4,000 To 5,000, Deduct</i>	-0.50	
		<i>For >5,000, Deduct</i>	-0.72	
		<i>For Ceilings >10' High, Add</i>	0.12	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 51 33 13-0027	SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.38		0.79
	For Up To 50, Add	4.29		
	For >50 To 200, Add	2.75		
	For >200 To 500, Add	1.30		
	For >2,500 To 4,000, Deduct	-0.50		
	For >4,000 To 5,000, Deduct	-0.76		
	For >5,000, Deduct	-1.07		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0028	SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	44.56		0.79
	For Up To 50, Add	7.31		
	For >50 To 200, Add	4.77		
	For >200 To 500, Add	2.31		
	For >2,500 To 4,000, Deduct	-0.90		
	For >4,000 To 5,000, Deduct	-1.37		
	For >5,000, Deduct	-1.88		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0029	SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.30		0.79
	For Up To 50, Add	3.82		
	For >50 To 200, Add	2.44		
	For >200 To 500, Add	1.14		
	For >2,500 To 4,000, Deduct	-0.43		
	For >4,000 To 5,000, Deduct	-0.67		
	For >5,000, Deduct	-0.95		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0030	SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.53		0.79
	For Up To 50, Add	2.36		
	For >50 To 200, Add	1.47		
	For >200 To 500, Add	0.66		
	For >2,500 To 4,000, Deduct	-0.24		
	For >4,000 To 5,000, Deduct	-0.38		
	For >5,000, Deduct	-0.56		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0031	SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.84		0.79
	For Up To 50, Add	3.30		
	For >50 To 200, Add	2.10		
	For >200 To 500, Add	0.97		
	For >2,500 To 4,000, Deduct	-0.36		
	For >4,000 To 5,000, Deduct	-0.57		
	For >5,000, Deduct	-0.81		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0032	SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.35		0.79
	For Up To 50, Add	6.23		
	For >50 To 200, Add	4.05		
	For >200 To 500, Add	1.95		
	For >2,500 To 4,000, Deduct	-0.75		
	For >4,000 To 5,000, Deduct	-1.15		
	For >5,000, Deduct	-1.59		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0033	SF 24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.94		0.79
	For Up To 50, Add	3.17		
	For >50 To 200, Add	2.01		
	For >200 To 500, Add	0.93		
	For >2,500 To 4,000, Deduct	-0.35		
	For >4,000 To 5,000, Deduct	-0.54		
	For >5,000, Deduct	-0.77		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0034	SF 24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.28		0.79
	For Up To 50, Add	2.47		
	For >50 To 200, Add	1.54		
	For >200 To 500, Add	0.69		
	For >2,500 To 4,000, Deduct	-0.25		
	For >4,000 To 5,000, Deduct	-0.40		
	For >5,000, Deduct	-0.59		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0035	SF 24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.69		0.79
	For Up To 50, Add	3.28		
	For >50 To 200, Add	2.08		
	For >200 To 500, Add	0.96		
	For >2,500 To 4,000, Deduct	-0.36		
	For >4,000 To 5,000, Deduct	-0.56		
	For >5,000, Deduct	-0.80		
	For Ceilings >10' High, Add	0.12		
09 51 33 13-0036	SF 24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.42		0.79
	For Up To 50, Add	6.24		
	For >50 To 200, Add	4.06		
	For >200 To 500, Add	1.95		
	For >2,500 To 4,000, Deduct	-0.76		
	For >4,000 To 5,000, Deduct	-1.15		
	For >5,000, Deduct	-1.59		
	For Ceilings >10' High, Add	0.12		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 33 13-0037	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.94	0.79
		<i>For Up To 50, Add</i>	3.17	
		<i>For >50 To 200, Add</i>	2.01	
		<i>For >200 To 500, Add</i>	0.93	
		<i>For >2,500 To 4,000, Deduct</i>	-0.35	
		<i>For >4,000 To 5,000, Deduct</i>	-0.54	
		<i>For >5,000, Deduct</i>	-0.77	
		<i>For Ceilings >10' High, Add</i>	0.12	

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	12.44	0.60
		<i>For Up To 50, Add</i>	2.34	
		<i>For >50 To 200, Add</i>	1.48	
		<i>For >200 To 500, Add</i>	0.68	
		<i>For >2,500 To 4,000, Deduct</i>	-0.25	
		<i>For >4,000 To 5,000, Deduct</i>	-0.40	
		<i>For >5,000, Deduct</i>	-0.57	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	14.12	0.60
		<i>For Up To 50, Add</i>	2.59	
		<i>For >50 To 200, Add</i>	1.65	
		<i>For >200 To 500, Add</i>	0.77	
		<i>For >2,500 To 4,000, Deduct</i>	-0.29	
		<i>For >4,000 To 5,000, Deduct</i>	-0.45	
		<i>For >5,000, Deduct</i>	-0.64	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.88	0.60
		<i>For Up To 50, Add</i>	3.60	
		<i>For >50 To 200, Add</i>	2.32	
		<i>For >200 To 500, Add</i>	1.10	
		<i>For >2,500 To 4,000, Deduct</i>	-0.42	
		<i>For >4,000 To 5,000, Deduct</i>	-0.65	
		<i>For >5,000, Deduct</i>	-0.91	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.69	0.60
		<i>For Up To 50, Add</i>	3.13	
		<i>For >50 To 200, Add</i>	2.01	
		<i>For >200 To 500, Add</i>	0.94	
		<i>For >2,500 To 4,000, Deduct</i>	-0.36	
		<i>For >4,000 To 5,000, Deduct</i>	-0.55	
		<i>For >5,000, Deduct</i>	-0.78	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.00	0.60
		<i>For Up To 50, Add</i>	3.32	
		<i>For >50 To 200, Add</i>	2.14	
		<i>For >200 To 500, Add</i>	1.01	
		<i>For >2,500 To 4,000, Deduct</i>	-0.39	
		<i>For >4,000 To 5,000, Deduct</i>	-0.59	
		<i>For >5,000, Deduct</i>	-0.83	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	30.07	0.60
		<i>For Up To 50, Add</i>	4.98	
		<i>For >50 To 200, Add</i>	3.24	
		<i>For >200 To 500, Add</i>	1.56	
		<i>For >2,500 To 4,000, Deduct</i>	-0.61	
		<i>For >4,000 To 5,000, Deduct</i>	-0.93	
		<i>For >5,000, Deduct</i>	-1.27	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.71	0.60
		<i>For Up To 50, Add</i>	3.28	
		<i>For >50 To 200, Add</i>	2.11	
		<i>For >200 To 500, Add</i>	0.99	
		<i>For >2,500 To 4,000, Deduct</i>	-0.38	
		<i>For >4,000 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-0.82	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	23.27	0.60
		<i>For Up To 50, Add</i>	3.96	
		<i>For >50 To 200, Add</i>	2.56	
		<i>For >200 To 500, Add</i>	1.22	
		<i>For >2,500 To 4,000, Deduct</i>	-0.47	
		<i>For >4,000 To 5,000, Deduct</i>	-0.72	
		<i>For >5,000, Deduct</i>	-1.00	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.81	0.60
		<i>For Up To 50, Add</i>	3.29	
		<i>For >50 To 200, Add</i>	2.12	
		<i>For >200 To 500, Add</i>	1.00	
		<i>For >2,500 To 4,000, Deduct</i>	-0.38	
		<i>For >4,000 To 5,000, Deduct</i>	-0.59	
		<i>For >5,000, Deduct</i>	-0.82	
		<i>For Ceilings >10' High, Add</i>	0.09	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 51 33 23-0012	SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	23.41		0.60
	For Up To 50, Add	3.98		
	For >50 To 200, Add	2.58		
	For >200 To 500, Add	1.23		
	For >2,500 To 4,000, Deduct	-0.47		
	For >4,000 To 5,000, Deduct	-0.73		
	For >5,000, Deduct	-1.01		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0013	SF 12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.91		0.60
	For Up To 50, Add	3.31		
	For >50 To 200, Add	2.13		
	For >200 To 500, Add	1.00		
	For >2,500 To 4,000, Deduct	-0.38		
	For >4,000 To 5,000, Deduct	-0.59		
	For >5,000, Deduct	-0.83		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0014	SF 12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	23.31		0.60
	For Up To 50, Add	3.97		
	For >50 To 200, Add	2.57		
	For >200 To 500, Add	1.22		
	For >2,500 To 4,000, Deduct	-0.47		
	For >4,000 To 5,000, Deduct	-0.72		
	For >5,000, Deduct	-1.00		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0015	SF 24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.91		0.60
	For Up To 50, Add	3.31		
	For >50 To 200, Add	2.13		
	For >200 To 500, Add	1.00		
	For >2,500 To 4,000, Deduct	-0.38		
	For >4,000 To 5,000, Deduct	-0.59		
	For >5,000, Deduct	-0.83		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0016	SF 24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	23.50		0.60
	For Up To 50, Add	4.00		
	For >50 To 200, Add	2.59		
	For >200 To 500, Add	1.23		
	For >2,500 To 4,000, Deduct	-0.48		
	For >4,000 To 5,000, Deduct	-0.73		
	For >5,000, Deduct	-1.01		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0017	Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)			
09 51 33 23-0018	SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	16.13		0.60
	For Up To 50, Add	2.89		
	For >50 To 200, Add	1.85		
	For >200 To 500, Add	0.87		
	For >2,500 To 4,000, Deduct	-0.33		
	For >4,000 To 5,000, Deduct	-0.51		
	For >5,000, Deduct	-0.72		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0019	SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	19.28		0.60
	For Up To 50, Add	3.36		
	For >50 To 200, Add	2.16		
	For >200 To 500, Add	1.02		
	For >2,500 To 4,000, Deduct	-0.39		
	For >4,000 To 5,000, Deduct	-0.60		
	For >5,000, Deduct	-0.84		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0020	SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	20.70		0.60
	For Up To 50, Add	3.58		
	For >50 To 200, Add	2.31		
	For >200 To 500, Add	1.09		
	For >2,500 To 4,000, Deduct	-0.42		
	For >4,000 To 5,000, Deduct	-0.64		
	For >5,000, Deduct	-0.90		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0021	SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	19.43		0.60
	For Up To 50, Add	3.39		
	For >50 To 200, Add	2.18		
	For >200 To 500, Add	1.03		
	For >2,500 To 4,000, Deduct	-0.39		
	For >4,000 To 5,000, Deduct	-0.61		
	For >5,000, Deduct	-0.85		
	For Ceilings >10' High, Add	0.09		
09 51 33 23-0022	SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	19.95		0.60
	For Up To 50, Add	3.46		
	For >50 To 200, Add	2.23		
	For >200 To 500, Add	1.06		
	For >2,500 To 4,000, Deduct	-0.40		
	For >4,000 To 5,000, Deduct	-0.62		
	For >5,000, Deduct	-0.87		
	For Ceilings >10' High, Add	0.09		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	21.15	0.60
		<i>For Up To 50, Add</i>	3.64	
		<i>For >50 To 200, Add</i>	2.35	
		<i>For >200 To 500, Add</i>	1.12	
		<i>For >2,500 To 4,000, Deduct</i>	-0.43	
		<i>For >4,000 To 5,000, Deduct</i>	-0.66	
		<i>For >5,000, Deduct</i>	-0.92	
		<i>For Ceilings >10' High, Add</i>	0.09	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.70	0.60
		<i>For Up To 50, Add</i>	2.23	
		<i>For >50 To 200, Add</i>	1.41	
		<i>For >200 To 500, Add</i>	0.64	
		<i>For >2,500 To 4,000, Deduct</i>	-0.24	
		<i>For >4,000 To 5,000, Deduct</i>	-0.37	
		<i>For >5,000, Deduct</i>	-0.54	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.20	0.60
		<i>For Up To 50, Add</i>	2.45	
		<i>For >50 To 200, Add</i>	1.56	
		<i>For >200 To 500, Add</i>	0.72	
		<i>For >2,500 To 4,000, Deduct</i>	-0.27	
		<i>For >4,000 To 5,000, Deduct</i>	-0.42	
		<i>For >5,000, Deduct</i>	-0.60	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.75	0.60
		<i>For Up To 50, Add</i>	3.28	
		<i>For >50 To 200, Add</i>	2.11	
		<i>For >200 To 500, Add</i>	1.00	
		<i>For >2,500 To 4,000, Deduct</i>	-0.38	
		<i>For >4,000 To 5,000, Deduct</i>	-0.59	
		<i>For >5,000, Deduct</i>	-0.82	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.35	0.60
		<i>For Up To 50, Add</i>	2.47	
		<i>For >50 To 200, Add</i>	1.57	
		<i>For >200 To 500, Add</i>	0.73	
		<i>For >2,500 To 4,000, Deduct</i>	-0.27	
		<i>For >4,000 To 5,000, Deduct</i>	-0.42	
		<i>For >5,000, Deduct</i>	-0.60	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.15	0.60
		<i>For Up To 50, Add</i>	2.74	
		<i>For >50 To 200, Add</i>	1.75	
		<i>For >200 To 500, Add</i>	0.82	
		<i>For >2,500 To 4,000, Deduct</i>	-0.31	
		<i>For >4,000 To 5,000, Deduct</i>	-0.48	
		<i>For >5,000, Deduct</i>	-0.68	
		<i>For Ceilings >10' High, Add</i>	0.09	
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.48	0.60
		<i>For Up To 50, Add</i>	3.54	
		<i>For >50 To 200, Add</i>	2.28	
		<i>For >200 To 500, Add</i>	1.08	
		<i>For >2,500 To 4,000, Deduct</i>	-0.42	
		<i>For >4,000 To 5,000, Deduct</i>	-0.64	
		<i>For >5,000, Deduct</i>	-0.89	
		<i>For Ceilings >10' High, Add</i>	0.09	

09 53 Acoustical Ceiling Suspension Assemblies (09 50)

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

Finishes	09
Ceilings	09 50
Acoustical Ceiling Suspension Assemblies	09 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0002	SF		1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.29	0.39
			Note: Excludes ceiling tile.		
			For Fastening To Concrete, Add	1.02	
			For Fastening To Steel, Add	1.09	
			For Vertical Application, Add	1.50	
			For Individual Room Quantities <495, Add	0.34	
			For Up To 50, Add	1.18	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.19	
			For Ceilings >10' High, Add	0.13	
09 53 23 00-0003	SF		1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.62	0.39
			For UL Listed (Fire Guard), Add	0.18	
			For 1-1/2" Wide Faced Grid, Add	0.33	
			For Fastening To Concrete, Add	0.99	
			For Fastening To Steel, Add	1.06	
			For Vertical Application, Add	1.25	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.27	
			For Aluminum T-Bar System, Add	0.54	
			For Up To 50, Add	0.97	
			For >50 To 200, Add	0.55	
			For >200 To 500, Add	0.20	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.15	
			For Ceilings >10' High, Add	0.11	
09 53 23 00-0004	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.15	0.39
			For UL Listed (Fire Guard), Add	0.13	
			For 1-1/2" Wide Faced Grid, Add	0.24	
			For Fastening To Concrete, Add	0.98	
			For Fastening To Steel, Add	1.05	
			For Vertical Application, Add	1.15	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.24	
			For Aluminum T-Bar System, Add	0.38	
			For Up To 50, Add	0.85	
			For >50 To 200, Add	0.48	
			For >200 To 500, Add	0.17	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.13	
			For Ceilings >10' High, Add	0.10	
			For Concealed Spline Grid, Add	0.34	
09 53 23 00-0005	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	1.76	0.39
			For UL Listed (Fire Guard), Add	0.10	
			For 1-1/2" Wide Faced Grid, Add	0.18	
			For Fastening To Concrete, Add	0.96	
			For Fastening To Steel, Add	1.03	
			For Vertical Application, Add	1.10	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.20	
			For Aluminum T-Bar System, Add	0.30	
			For Up To 50, Add	0.70	
			For >50 To 200, Add	0.40	
			For >200 To 500, Add	0.14	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.11	
			For Ceilings >10' High, Add	0.08	
			For Concealed Spline Grid, Add	0.28	
09 53 23 00-0006	SF		1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	1.55	0.39
			For UL Listed (Fire Guard), Add	0.09	
			For 1-1/2" Wide Faced Grid, Add	0.17	
			For Fastening To Concrete, Add	0.95	
			For Fastening To Steel, Add	1.02	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.17	
			For Aluminum T-Bar System, Add	0.27	
			For Up To 50, Add	0.61	
			For >50 To 200, Add	0.35	
			For >200 To 500, Add	0.13	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.10	
			For Ceilings >10' High, Add	0.07	

09 Finishes

09 50 Ceilings

09 53 Acoustical Ceiling Suspension Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF		2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.32	0.39
			For UL Listed (Fire Guard), Add	0.15	
			For Fastening To Concrete, Add	0.98	
			For Fastening To Steel, Add	1.05	
			For Vertical Application, Add	1.15	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.25	
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.49	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.14	
			For Ceilings >10' High, Add	0.10	
			For Black Grid, Add	0.13	
09 53 23 00-0008	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	1.89	0.39
			For UL Listed (Fire Guard), Add	0.12	
			For Fastening To Concrete, Add	0.96	
			For Fastening To Steel, Add	1.03	
			For Vertical Application, Add	1.10	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.20	
			For Up To 50, Add	0.72	
			For >50 To 200, Add	0.41	
			For >200 To 500, Add	0.15	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.11	
			For Ceilings >10' High, Add	0.08	
			For Black Grid, Add	0.10	
09 53 23 00-0009			Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories.....	0.99	
			For 304 Stainless Steel, Add	1.28	
			For 316 Stainless Steel, Add	1.44	
			For Aluminum, Add	0.08	
			For Galvanized Steel, Add	0.28	
09 53 23 00-0011	LF		1-1/2" Steel Running Channel.....	5.90	2.47
			For 304 Stainless Steel, Add	5.07	
			For 316 Stainless Steel, Add	5.70	
			For Aluminum, Add	0.32	
			For Galvanized Steel, Add	1.10	
09 53 23 00-0012	EA		Suspended Support Bar For 1-1/2" Channel, Installed 4'-0" On Center Maximum	42.08	13.60
			Note: Includes 3" x 3" x 1/8" steel angle, 1" x 1/8" steel flat bar up to 4', drop clips, and 3/8" diameter bolts with nuts and washers.		
			For 304 Stainless Steel, Add	41.70	
			For 316 Stainless Steel, Add	46.82	
			For Aluminum, Add	2.63	
			For Galvanized Steel, Add	9.07	
09 53 23 00-0013	EA		Suspended Support Rod For 1-1/2" Channel, Installed 4'-0" On Center Maximum	22.62	7.42
			Note: Includes 3" x 3" x 1/8" steel angle, 1/4" galvanized rod, and gat clip.		
			For 304 Stainless Steel, Add	22.20	
			For 316 Stainless Steel, Add	24.93	
			For Aluminum, Add	1.40	
			For Galvanized Steel, Add	4.83	
09 53 23 00-0014	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	2.63	1.10
			For 304 Stainless Steel, Add	2.76	
			For 316 Stainless Steel, Add	3.10	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.60	
09 53 23 00-0015	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	3.78	1.18
			For 304 Stainless Steel, Add	4.22	
			For 316 Stainless Steel, Add	4.74	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.92	
09 53 23 00-0016	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	5.56	1.26
			For 304 Stainless Steel, Add	8.44	
			For 316 Stainless Steel, Add	9.47	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.84	
09 53 23 00-0017	LF		1-1/2" Steel T-Bar Channel.....	5.16	2.47
			For 304 Stainless Steel, Add	2.96	
			For 316 Stainless Steel, Add	3.33	
			For Aluminum, Add	0.19	
			For Galvanized Steel, Add	0.64	
09 53 23 00-0018	LF		1/2" Lay-In Ceiling Angles.....	2.07	0.71
			Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.		
			For Ceilings >10' High, Add	0.12	
09 53 23 00-0019	EA		2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	5.14	0.23
			Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0020	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure.....	59.96	16.01
09 53 23 00-0021	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	62.23	16.32
09 53 23 00-0022	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	70.29	16.32
09 53 23 00-0023			Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53		
			²³⁾ Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		

Acoustical Ceiling Suspension Assemblies 09 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 53 23 00-0024	SF		Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4' 1.35 Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			For Up To 50, Add	0.74	
			For >50 To 200, Add	0.41	
			For >200 To 500, Add	0.14	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.10	
			For Ceilings >10' High, Add	0.10	
09 53 23 00-0025	SF		Removal And Reinstallation Of Grid System Only 0.79 Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			For Up To 50, Add	0.43	
			For >50 To 200, Add	0.24	
			For >200 To 500, Add	0.08	
			For >2,500 To 4,000, Deduct	-0.02	
			For >4,000 To 5,000, Deduct	-0.04	
			For >5,000, Deduct	-0.06	
			For Ceilings >10' High, Add	0.06	

09 53 33 Plastic Acoustical Ceiling Suspension Assemblies (09 53)

09 53 33 00-0001			Fiberglass Reinforced Plastic Ceiling Suspension Systems (09 53 33) Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		
09 53 33 00-0002	SF		2' x 2', Fiberglass Reinforced Plastic Ceilings Suspension System 11.39 Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		0.39
			For Ceilings >10' High, Add	0.15	
09 53 33 00-0003	SF		2' x 4', Fiberglass Reinforced Plastic Ceilings Suspension System 10.04 Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		0.39
			For Ceilings >10' High, Add	0.11	

09 54 Specialty Ceilings (09 50)

09 54 23 Linear Metal Ceilings (09 54)

09 54 23 00-0001			Linear Ceiling Systems (09 54 23)		
09 54 23 00-0002			0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001) Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System 15.48		1.60
			For Up To 50, Add	3.86	
			For >50 To 200, Add	2.32	
			For >200 To 500, Add	0.97	
			For >2,500, Deduct	-0.77	
			For Ceilings >10' High, Add	0.29	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-2.89	
			For Curved Ceilings, Add	0.99	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System 12.42		1.60
			For Up To 50, Add	3.37	
			For >50 To 200, Add	1.99	
			For >200 To 500, Add	0.81	
			For >2,500, Deduct	-0.62	
			For Ceilings >10' High, Add	0.28	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-1.43	
			For Curved Ceilings, Add	0.97	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System 11.23		1.60
			For Up To 50, Add	3.16	
			For >50 To 200, Add	1.86	
			For >200 To 500, Add	0.75	
			For >2,500, Deduct	-0.56	
			For Ceilings >10' High, Add	0.28	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-0.96	
			For Curved Ceilings, Add	0.96	

09 54 53 Fiberglass Reinforced Panel Ceilings (09 54)

09 54 53 00-0001			Fiberglass Reinforced Plastic Ceiling Panels (09 54 53)		
09 54 53 00-0002	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A 5.09 Note: Excludes suspension system.		0.39
			For Up To 50, Add	1.12	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.69	
			For Ceilings >10' High, Add	0.07	

09 Finishes

09 50 Ceilings

09 54 Specialty Ceilings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 53 00-0003	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A Note: Excludes suspension system.	6.81	0.39
			For Up To 50, Add	1.38	
			For >50 To 200, Add	0.86	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.86	
			For Ceilings >10' High, Add	0.07	
09 54 53 00-0004	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C Note: Excludes suspension system.	3.24	0.39
			For Up To 50, Add	0.84	
			For >50 To 200, Add	0.50	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.18	
			For Individual Room Quantities <495, Add	0.50	
			For Ceilings >10' High, Add	0.07	

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF		1" Anti-Slip Tape	2.10	1.57
09 61 13 00-0003	LF		2" Anti-Slip Tape	2.68	1.74
09 61 13 00-0004	LF		3" Anti-Slip Tape	3.24	1.91
09 61 13 00-0005	LF		4" Anti-Slip Tape	3.77	2.10
09 61 13 00-0006	LF		6" Anti-Slip Tape	4.83	2.31
09 61 13 00-0007	LF		12" Anti-Slip Tape	8.47	3.46
09 61 13 00-0008	LF		24" Anti-Slip Tape	11.97	5.19

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001 Clay Bricks (09 63 13)

09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor	24.07	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor	27.18	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor	15.31	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor	18.13	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor	16.57	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor	20.32	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor	17.79	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor	22.53	8.10
			For Basket Weave Pattern, Add	1.73	
			For Herringbone Pattern, Add	2.31	
			For Epoxy Joints, Add	4.61	

09 63 43 Composition Stone Flooring (09 63)

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System (09 63 43)

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	13.96	4.61
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09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 64 13 00-0001		Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.42	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.42	
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.44	
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.49	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.44	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.48	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.75	0.29
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.82	0.29
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.68	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.83	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.89	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.07	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.09	0.19

09 64 23 Wood Parquet Flooring (09 64)

09 64 23 00-0001 **Hardwood Parquet Flooring** (09 64 23)

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	10.08	0.79
		<i>For Up To 20, Add</i>	3.73	
		<i>For >20 To 50, Add</i>	1.99	
		<i>For >50 To 100, Add</i>	1.00	
		<i>For >100 To 300, Add</i>	0.50	

09 64 29 Wood Strip and Plank Flooring (09 64)

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 **Unfinished Fir, Wood Strip Flooring** (09 64 29)

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	11.25	0.79
		<i>For Factory Finish, Add</i>	0.77	
		<i>For Random Width Floor, Add</i>	2.64	
		<i>For Up To 20, Add</i>	3.28	
		<i>For >20 To 50, Add</i>	1.83	
		<i>For >50 To 100, Add</i>	0.92	
		<i>For >100 To 300, Add</i>	0.46	

09 64 29 00-0003 **Unfinished Oak, Wood Strip Flooring** (09 64 29)

09 64 29 00-0004 **Unfinished White Oak, Wood Strip Flooring** (09 64 29 00-0003)

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	8.65	0.79
		<i>For Factory Finish, Add</i>	0.40	
		<i>For Random Width Floor, Add</i>	1.93	
		<i>For Up To 20, Add</i>	3.38	
		<i>For >20 To 50, Add</i>	1.79	
		<i>For >50 To 100, Add</i>	0.90	
		<i>For >100 To 300, Add</i>	0.45	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	9.17	0.79
		<i>For Factory Finish, Add</i>	0.45	
		<i>For Random Width Floor, Add</i>	2.06	
		<i>For Up To 20, Add</i>	3.46	
		<i>For >20 To 50, Add</i>	1.84	
		<i>For >50 To 100, Add</i>	0.92	
		<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	9.96	0.79
		<i>For Factory Finish, Add</i>	0.53	
		<i>For Random Width Floor, Add</i>	2.26	
		<i>For Up To 20, Add</i>	3.58	
		<i>For >20 To 50, Add</i>	1.92	
		<i>For >50 To 100, Add</i>	0.96	
		<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	7.74	0.79
		<i>For Factory Finish, Add</i>	0.42	
		<i>For Random Width Floor, Add</i>	1.76	
		<i>For Up To 20, Add</i>	2.75	
		<i>For >20 To 50, Add</i>	1.48	
		<i>For >50 To 100, Add</i>	0.74	
		<i>For >100 To 300, Add</i>	0.37	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.15	0.79
		<i>For Factory Finish, Add</i>	0.46	
		<i>For Random Width Floor, Add</i>	1.86	
		<i>For Up To 20, Add</i>	2.82	
		<i>For >20 To 50, Add</i>	1.52	
		<i>For >50 To 100, Add</i>	0.76	
		<i>For >100 To 300, Add</i>	0.38	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	8.96	0.79
		<i>For Factory Finish, Add</i>	0.54	
		<i>For Random Width Floor, Add</i>	2.06	
		<i>For Up To 20, Add</i>	2.94	
		<i>For >20 To 50, Add</i>	1.60	
		<i>For >50 To 100, Add</i>	0.80	
		<i>For >100 To 300, Add</i>	0.40	

09 64 29 00-0011 **Unfinished Red Oak, Wood Strip Flooring** (09 64 29 00-0003)

09 Finishes

09 60 Flooring

09 64 Wood Flooring

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	8.74	0.79
			<i>For Factory Finish, Add</i>	0.41	
			<i>For Random Width Floor, Add</i>	1.95	
			<i>For Up To 20, Add</i>	3.39	
			<i>For >20 To 50, Add</i>	1.80	
			<i>For >50 To 100, Add</i>	0.90	
			<i>For >100 To 300, Add</i>	0.45	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	9.26	0.79
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	2.08	
			<i>For Up To 20, Add</i>	3.47	
			<i>For >20 To 50, Add</i>	1.85	
			<i>For >50 To 100, Add</i>	0.93	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.05	0.79
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.28	
			<i>For Up To 20, Add</i>	3.59	
			<i>For >20 To 50, Add</i>	1.93	
			<i>For >50 To 100, Add</i>	0.97	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	7.82	0.79
			<i>For Factory Finish, Add</i>	0.43	
			<i>For Random Width Floor, Add</i>	1.78	
			<i>For Up To 20, Add</i>	2.77	
			<i>For >20 To 50, Add</i>	1.49	
			<i>For >50 To 100, Add</i>	0.75	
			<i>For >100 To 300, Add</i>	0.37	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	8.35	0.79
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	1.91	
			<i>For Up To 20, Add</i>	2.85	
			<i>For >20 To 50, Add</i>	1.54	
			<i>For >50 To 100, Add</i>	0.77	
			<i>For >100 To 300, Add</i>	0.39	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.05	0.79
			<i>For Factory Finish, Add</i>	0.55	
			<i>For Random Width Floor, Add</i>	2.09	
			<i>For Up To 20, Add</i>	2.95	
			<i>For >20 To 50, Add</i>	1.61	
			<i>For >50 To 100, Add</i>	0.81	
			<i>For >100 To 300, Add</i>	0.40	
09 64 29 00-0018			Unfinished Maple, Wood Strip Flooring (09 64 29)		
09 64 29 00-0019			25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	10.66	0.79
			<i>For Factory Finish, Add</i>	0.60	
			<i>For Random Width Floor, Add</i>	2.43	
			<i>For Up To 20, Add</i>	3.68	
			<i>For >20 To 50, Add</i>	1.99	
			<i>For >50 To 100, Add</i>	1.00	
			<i>For >100 To 300, Add</i>	0.50	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	9.79	0.79
			<i>For Factory Finish, Add</i>	0.52	
			<i>For Random Width Floor, Add</i>	2.22	
			<i>For Up To 20, Add</i>	3.55	
			<i>For >20 To 50, Add</i>	1.91	
			<i>For >50 To 100, Add</i>	0.95	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	9.92	0.79
			<i>For Factory Finish, Add</i>	0.64	
			<i>For Random Width Floor, Add</i>	2.30	
			<i>For Up To 20, Add</i>	3.08	
			<i>For >20 To 50, Add</i>	1.70	
			<i>For >50 To 100, Add</i>	0.85	
			<i>For >100 To 300, Add</i>	0.43	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	9.05	0.79
			<i>For Factory Finish, Add</i>	0.55	
			<i>For Random Width Floor, Add</i>	2.09	
			<i>For Up To 20, Add</i>	2.95	
			<i>For >20 To 50, Add</i>	1.61	
			<i>For >50 To 100, Add</i>	0.81	
			<i>For >100 To 300, Add</i>	0.40	
09 64 29 00-0024			33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.55	0.79
			<i>For Factory Finish, Add</i>	0.79	
			<i>For Random Width Floor, Add</i>	2.91	
			<i>For Up To 20, Add</i>	3.97	
			<i>For >20 To 50, Add</i>	2.18	
			<i>For >50 To 100, Add</i>	1.09	
			<i>For >100 To 300, Add</i>	0.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.38	0.79
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	2.61	
			<i>For Up To 20, Add</i>	3.79	
			<i>For >20 To 50, Add</i>	2.06	
			<i>For >50 To 100, Add</i>	1.03	
			<i>For >100 To 300, Add</i>	0.52	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	11.93	0.79
			<i>For Factory Finish, Add</i>	0.84	
			<i>For Random Width Floor, Add</i>	2.81	
			<i>For Up To 20, Add</i>	3.38	
			<i>For >20 To 50, Add</i>	1.90	
			<i>For >50 To 100, Add</i>	0.95	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	10.76	0.79
			<i>For Factory Finish, Add</i>	0.72	
			<i>For Random Width Floor, Add</i>	2.51	
			<i>For Up To 20, Add</i>	3.21	
			<i>For >20 To 50, Add</i>	1.78	
			<i>For >50 To 100, Add</i>	0.89	
			<i>For >100 To 300, Add</i>	0.45	

09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	11.84	0.79
			<i>For Up To 20, Add</i>	3.17	
			<i>For >20 To 50, Add</i>	1.80	
			<i>For >50 To 100, Add</i>	0.90	
			<i>For >100 To 300, Add</i>	0.45	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring.....	11.84	0.79
			<i>For Up To 20, Add</i>	3.17	
			<i>For >20 To 50, Add</i>	1.80	
			<i>For >50 To 100, Add</i>	0.90	
			<i>For >100 To 300, Add</i>	0.45	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring.....	11.46	0.79
			<i>For Up To 20, Add</i>	3.11	
			<i>For >20 To 50, Add</i>	1.76	
			<i>For >50 To 100, Add</i>	0.88	
			<i>For >100 To 300, Add</i>	0.44	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring.....	11.75	0.79
			<i>For Up To 20, Add</i>	3.15	
			<i>For >20 To 50, Add</i>	1.79	
			<i>For >50 To 100, Add</i>	0.90	
			<i>For >100 To 300, Add</i>	0.45	

09 64 66 Wood Athletic Flooring (09 64)

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor	11.14	3.94
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0003	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	14.89	5.12
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0004	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)	15.76	5.12
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)	17.67	5.12
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0006	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	16.81	5.12
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0007	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	18.95	5.12
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	

09 Finishes**09 60 Flooring****09 64 Wood Flooring**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 64 66 00-0008	Prefinished Wood Exercise/Dance Floors (09 64 66) Note: Includes factory sanded, sealed and finished beech and vent cove base. Excludes concrete repairs to subbase and thresholds.		
09 64 66 00-0009	SF Prefinished Floating 7/8" Beech Wood Exercise/Dance Floor System, One Layer Of 3/4" Exeraire Air Cushioning Suspension System With Clips (Exerflex Classic).....	28.02	3.94
	Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" Exeraire air cushioning suspension system and heavy duty spring tempered steel retaining clips.		

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories (09 65)**09 65 13 13 Resilient Base** (09 65 13)

09 65 13 13-0001	Type TV Thermoplastic Vinyl Wall Base (09 65 13 13) Note: Includes inside and outside corners.		
09 65 13 13-0002	LF 2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	3.14	0.98
	For Up To 20, Add	1.26	
	For >20 To 40, Add	0.71	
	For >40 To 80, Add	0.26	
	For >240 To 960, Deduct	-0.22	
	For >960, Deduct	-0.32	
09 65 13 13-0003	LF 4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	3.59	0.98
	For Up To 20, Add	1.32	
	For >20 To 40, Add	0.75	
	For >40 To 80, Add	0.28	
	For >240 To 960, Deduct	-0.26	
	For >960, Deduct	-0.39	
09 65 13 13-0004	LF 6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors.....	4.56	0.98
	For Up To 20, Add	1.47	
	For >20 To 40, Add	0.85	
	For >40 To 80, Add	0.33	
	For >240 To 960, Deduct	-0.36	
	For >960, Deduct	-0.54	
09 65 13 13-0005	Type TP Thermoplastic Rubber Wall Base (09 65 13 13) Note: Includes inside and outside corners.		
09 65 13 13-0006	LF 2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	3.44	0.98
	For Up To 20, Add	1.30	
	For >20 To 40, Add	0.74	
	For >40 To 80, Add	0.27	
	For >240 To 960, Deduct	-0.25	
	For >960, Deduct	-0.37	
09 65 13 13-0007	LF 4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	3.77	0.98
	For Up To 20, Add	1.35	
	For >20 To 40, Add	0.77	
	For >40 To 80, Add	0.29	
	For >240 To 960, Deduct	-0.28	
	For >960, Deduct	-0.42	
09 65 13 13-0008	LF 6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	4.70	0.98
	For Up To 20, Add	1.49	
	For >20 To 40, Add	0.86	
	For >40 To 80, Add	0.33	
	For >240 To 960, Deduct	-0.37	
	For >960, Deduct	-0.56	
09 65 13 13-0009	LF 2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.01	0.98
	For Up To 20, Add	1.69	
	For >20 To 40, Add	0.99	
	For >40 To 80, Add	0.40	
	For >240 To 960, Deduct	-0.50	
	For >960, Deduct	-0.75	
09 65 13 13-0010	LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	6.30	0.98
	For Up To 20, Add	1.73	
	For >20 To 40, Add	1.02	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.53	
	For >960, Deduct	-0.80	
09 65 13 13-0011	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	7.76	0.98
	For Up To 20, Add	1.95	
	For >20 To 40, Add	1.17	
	For >40 To 80, Add	0.49	
	For >240 To 960, Deduct	-0.68	
	For >960, Deduct	-1.02	
09 65 13 13-0012	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors.....	10.68	0.98
	For Up To 20, Add	2.39	
	For >20 To 40, Add	1.46	
	For >40 To 80, Add	0.63	
	For >240 To 960, Deduct	-0.97	
	For >960, Deduct	-1.46	

09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 13 13-0014	LF		2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.80	1.18
			For Up To 20, Add	1.35	
			For >20 To 40, Add	0.77	
			For >40 To 80, Add	0.29	
			For >240 To 960, Deduct	-0.28	
			For >960, Deduct	-0.42	
09 65 13 13-0015	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	3.82	0.98
			For Up To 20, Add	1.36	
			For >20 To 40, Add	0.77	
			For >40 To 80, Add	0.29	
			For >240 To 960, Deduct	-0.28	
			For >960, Deduct	-0.43	
09 65 13 13-0016	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.57	1.18
			For Up To 20, Add	1.78	
			For >20 To 40, Add	1.03	
			For >40 To 80, Add	0.40	
			For >240 To 960, Deduct	-0.44	
			For >960, Deduct	-0.66	

09 65 13 23 Resilient Stair Treads and Risers (09 65 13)

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001			Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002			Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.19	1.57
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	14.17	1.69
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.24	1.80
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006			Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	12.42	1.57
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	13.20	1.69
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	16.10	1.81
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0010			Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser	7.24	0.95
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats	18.87	1.45
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats	22.56	1.57
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats	24.48	1.76
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	12.91	1.43
			For Abrasive Strip, Add	2.75	
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	14.27	1.57
			For Abrasive Strip, Add	2.75	
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	17.16	1.69
			For Abrasive Strip, Add	2.75	
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	7.18	0.95
09 65 13 33			Resilient Accessories (09 65 13)		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.39	0.79

09 Finishes

09 60 Flooring

09 65 Resilient Flooring

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.12		0.79
09 65 13 33-0004		Concrete Floor Prep <small>(09 65 13 33)</small>			
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor	0.98		
		Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.			
09 65 13 36		Resilient Carpet Transitions <small>(09 65 13)</small>			
09 65 13 36-0001		Vinyl Transition Strip <small>(09 65 13 36)</small>			
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	1.78		0.71
		For Up To 20, Add	0.66		
		For >20 To 40, Add	0.37		
		For >40 To 80, Add	0.14		
		For >240 To 960, Deduct	-0.13		
		For >960, Deduct	-0.19		
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.61		0.71
		For Up To 20, Add	0.63		
		For >20 To 40, Add	0.36		
		For >40 To 80, Add	0.13		
		For >240 To 960, Deduct	-0.11		
		For >960, Deduct	-0.17		
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.41		0.71
		For Up To 20, Add	0.60		
		For >20 To 40, Add	0.34		
		For >40 To 80, Add	0.12		
		For >240 To 960, Deduct	-0.09		
		For >960, Deduct	-0.14		
09 65 13 36-0005		Vinyl, Wheeled Traffic Transitions <small>(09 65 13 36)</small>			
09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	2.95		0.98
		For Up To 20, Add	1.07		
		For >20 To 40, Add	0.61		
		For >40 To 80, Add	0.23		
		For >240 To 960, Deduct	-0.22		
		For >960, Deduct	-0.32		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	2.95		0.98
		For Up To 20, Add	1.07		
		For >20 To 40, Add	0.61		
		For >40 To 80, Add	0.23		
		For >240 To 960, Deduct	-0.22		
		For >960, Deduct	-0.32		
09 65 13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.57		0.98
		For Up To 20, Add	1.16		
		For >20 To 40, Add	0.67		
		For >40 To 80, Add	0.26		
		For >240 To 960, Deduct	-0.28		
		For >960, Deduct	-0.42		
09 65 13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	5.74		0.98
		For Up To 20, Add	1.49		
		For >20 To 40, Add	0.89		
		For >40 To 80, Add	0.37		
		For >240 To 960, Deduct	-0.50		
		For >960, Deduct	-0.74		
09 65 13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	5.76		0.98
		For Up To 20, Add	1.49		
		For >20 To 40, Add	0.89		
		For >40 To 80, Add	0.37		
		For >240 To 960, Deduct	-0.50		
		For >960, Deduct	-0.75		
09 65 13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.89		0.98
		For Up To 20, Add	1.21		
		For >20 To 40, Add	0.70		
		For >40 To 80, Add	0.27		
		For >240 To 960, Deduct	-0.31		
		For >960, Deduct	-0.47		
09 65 13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	5.60		0.98
		For Up To 20, Add	1.47		
		For >20 To 40, Add	0.87		
		For >40 To 80, Add	0.36		
		For >240 To 960, Deduct	-0.48		
		For >960, Deduct	-0.72		
09 65 13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	5.80		0.98
		For Up To 20, Add	1.50		
		For >20 To 40, Add	0.89		
		For >40 To 80, Add	0.37		
		For >240 To 960, Deduct	-0.50		
		For >960, Deduct	-0.75		
09 65 13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	4.92		0.98
		For Up To 20, Add	1.37		
		For >20 To 40, Add	0.81		
		For >40 To 80, Add	0.32		
		For >240 To 960, Deduct	-0.41		
		For >960, Deduct	-0.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0015	LF		3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	5.35	0.98
			For Up To 20, Add	1.43	
			For >20 To 40, Add	0.85	
			For >40 To 80, Add	0.35	
			For >240 To 960, Deduct	-0.46	
			For >960, Deduct	-0.68	
09 65 13 36-0016	LF		1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	5.80	0.98
			For Up To 20, Add	1.50	
			For >20 To 40, Add	0.89	
			For >40 To 80, Add	0.37	
			For >240 To 960, Deduct	-0.50	
			For >960, Deduct	-0.75	
09 65 13 36-0017	LF		1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N).....	4.84	0.98
			For Up To 20, Add	1.35	
			For >20 To 40, Add	0.80	
			For >40 To 80, Add	0.32	
			For >240 To 960, Deduct	-0.41	
			For >960, Deduct	-0.61	
09 65 13 36-0018	LF		3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	4.12	0.98
			For Up To 20, Add	1.25	
			For >20 To 40, Add	0.73	
			For >40 To 80, Add	0.28	
			For >240 To 960, Deduct	-0.33	
			For >960, Deduct	-0.50	
09 65 13 36-0019	LF		3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	5.95	0.98
			For Up To 20, Add	1.52	
			For >20 To 40, Add	0.91	
			For >40 To 80, Add	0.38	
			For >240 To 960, Deduct	-0.52	
			For >960, Deduct	-0.77	
09 65 13 36-0020	LF		1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q).....	7.60	0.98
			For Up To 20, Add	1.77	
			For >20 To 40, Add	1.07	
			For >40 To 80, Add	0.46	
			For >240 To 960, Deduct	-0.68	
			For >960, Deduct	-1.02	
09 65 13 36-0021	LF		0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	4.01	0.98
			For Up To 20, Add	1.23	
			For >20 To 40, Add	0.72	
			For >40 To 80, Add	0.28	
			For >240 To 960, Deduct	-0.32	
			For >960, Deduct	-0.48	
09 65 13 36-0022	LF		0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	4.07	0.98
			For Up To 20, Add	1.24	
			For >20 To 40, Add	0.72	
			For >40 To 80, Add	0.28	
			For >240 To 960, Deduct	-0.33	
			For >960, Deduct	-0.49	
09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	4.58	0.98
			For Up To 20, Add	1.32	
			For >20 To 40, Add	0.77	
			For >40 To 80, Add	0.31	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	

09 65 16 Resilient Sheet Flooring (09 65)
 Note: Includes mastic and clearing floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	7.88	0.58
			For Up To 40, Add	3.14	
			For >40 To 100, Add	1.57	
			For >1,000, Deduct	-0.67	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	6.45	0.58
			For Up To 40, Add	2.85	
			For >40 To 100, Add	1.43	
			For >1,000, Deduct	-0.53	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	4.23	0.58
			For Up To 40, Add	2.41	
			For >40 To 100, Add	1.20	
			For >1,000, Deduct	-0.30	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	5.47	0.58
			For Up To 40, Add	2.65	
			For >40 To 100, Add	1.33	
			For >1,000, Deduct	-0.43	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	7.31	0.58
			For Up To 40, Add	3.02	
			For >40 To 100, Add	1.51	
			For >1,000, Deduct	-0.61	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**MINOR
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09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	10.08	0.58
		<i>For Up To 40, Add</i>	3.58	
		<i>For >40 To 100, Add</i>	1.79	
		<i>For >1,000, Deduct</i>	-0.89	
09 65 16 23-0008		Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	5.50	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams.....	5.81	
09 65 16 23-0011		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	13.09	
09 65 16 23-0013		Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip.....	3.16	
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip.....	2.85	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip.....	4.31	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap.....	2.28	
09 65 19		Resilient Tile Flooring (09 65) Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19		Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001		Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	2.85	1.18
		<i>For 3/32" Thick, Deduct</i>	-0.14	
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	1.01	
		<i>For >20 To 40, Add</i>	0.58	
		<i>For >40 To 80, Add</i>	0.22	
		<i>For >1,000 To 3,000, Deduct</i>	-0.06	
		<i>For >3,000 To 6,000, Deduct</i>	-0.16	
		<i>For >6,000, Deduct</i>	-0.30	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	2.76	1.18
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	0.99	
		<i>For >20 To 40, Add</i>	0.57	
		<i>For >40 To 80, Add</i>	0.21	
		<i>For >1,000 To 3,000, Deduct</i>	-0.06	
		<i>For >3,000 To 6,000, Deduct</i>	-0.16	
		<i>For >6,000, Deduct</i>	-0.30	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.76	1.18
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	0.99	
		<i>For >20 To 40, Add</i>	0.57	
		<i>For >40 To 80, Add</i>	0.21	
		<i>For >1,000 To 3,000, Deduct</i>	-0.06	
		<i>For >3,000 To 6,000, Deduct</i>	-0.16	
		<i>For >6,000, Deduct</i>	-0.30	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	4.01	1.18
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	1.18	
		<i>For >20 To 40, Add</i>	0.69	
		<i>For >40 To 80, Add</i>	0.27	
		<i>For >1,000 To 3,000, Deduct</i>	-0.09	
		<i>For >3,000 To 6,000, Deduct</i>	-0.21	
		<i>For >6,000, Deduct</i>	-0.37	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	4.02	1.18
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	1.18	
		<i>For >20 To 40, Add</i>	0.69	
		<i>For >40 To 80, Add</i>	0.27	
		<i>For >1,000 To 3,000, Deduct</i>	-0.09	
		<i>For >3,000 To 6,000, Deduct</i>	-0.21	
		<i>For >6,000, Deduct</i>	-0.37	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	4.26	1.18
		<i>For Extra Stock, Material Only, Deduct</i>	-1.38	
		<i>For Up To 20, Add</i>	1.22	
		<i>For >20 To 40, Add</i>	0.72	
		<i>For >40 To 80, Add</i>	0.29	
		<i>For >1,000 To 3,000, Deduct</i>	-0.09	
		<i>For >3,000 To 6,000, Deduct</i>	-0.22	
		<i>For >6,000, Deduct</i>	-0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	4.30	1.18
			For Extra Stock, Material Only, Deduct	-1.38	
			For Up To 20, Add	1.23	
			For >20 To 40, Add	0.72	
			For >40 To 80, Add	0.29	
			For >1,000 To 3,000, Deduct	-0.09	
			For >3,000 To 6,000, Deduct	-0.22	
			For >6,000, Deduct	-0.39	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	4.45	1.18
			For Extra Stock, Material Only, Deduct	-1.38	
			For Up To 20, Add	1.25	
			For >20 To 40, Add	0.74	
			For >40 To 80, Add	0.30	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.23	
			For >6,000, Deduct	-0.40	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	5.81	1.18
			For Extra Stock, Material Only, Deduct	-1.38	
			For Up To 20, Add	1.45	
			For >20 To 40, Add	0.87	
			For >40 To 80, Add	0.36	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.28	
			For >6,000, Deduct	-0.48	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	6.35	1.18
			For Extra Stock, Material Only, Deduct	-1.38	
			For Up To 20, Add	1.53	
			For >20 To 40, Add	0.93	
			For >40 To 80, Add	0.39	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.30	
			For >6,000, Deduct	-0.51	
09 65 19 19-0012			Static Dissipative Vinyl Composition Tile (VCT) <small>(09 65 19 19)</small>		
			Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	13.32	1.18
			For Extra Stock, Material Only, Deduct	-2.34	
			For Up To 20, Add	2.98	
			For >20 To 40, Add	1.82	
			For >40 To 80, Add	0.79	
			For >1,000 To 3,000, Deduct	-0.28	
			For >3,000 To 6,000, Deduct	-0.62	
			For >6,000, Deduct	-1.02	
09 65 19 19-0014	SF		1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	10.88	1.18
			For Extra Stock, Material Only, Deduct	-2.34	
			For Up To 20, Add	2.62	
			For >20 To 40, Add	1.58	
			For >40 To 80, Add	0.67	
			For >1,000 To 3,000, Deduct	-0.23	
			For >3,000 To 6,000, Deduct	-0.52	
			For >6,000, Deduct	-0.87	
09 65 19 23			Vinyl Tile Flooring <small>(09 65 19)</small>		
09 65 19 23-0001			Vinyl Tile <small>(09 65 19 23)</small>		
			Note: Any size.		
09 65 19 23-0002			Solid Vinyl Tile (SVT) <small>(09 65 19 23-0001)</small>		
			Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	7.08	1.18
			For Up To 20, Add	1.87	
			For >20 To 40, Add	1.11	
			For >40 To 80, Add	0.45	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.35	
			For >6,000, Deduct	-0.61	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	7.26	1.18
			For Up To 20, Add	1.89	
			For >20 To 40, Add	1.13	
			For >40 To 80, Add	0.46	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.36	
			For >6,000, Deduct	-0.62	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	7.40	1.18
			For Up To 20, Add	1.91	
			For >20 To 40, Add	1.14	
			For >40 To 80, Add	0.47	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.37	
			For >6,000, Deduct	-0.62	
09 65 19 33			Rubber Tile Flooring <small>(09 65 19)</small>		
09 65 19 33-0001			Rubber Tile <small>(09 65 19 33)</small>		
09 65 19 33-0002			Rubber Tile With Raised Discs, Assorted Colors <small>(09 65 19 33-0001)</small>		

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	16.06	0.71
			For Up To 20, Add	2.99	
			For >20 To 40, Add	1.90	
			For >40 To 100, Add	0.88	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	19.48	0.79
			For Up To 20, Add	3.55	
			For >20 To 40, Add	2.26	
			For >40 To 100, Add	1.05	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	21.65	0.95
			For Up To 20, Add	4.00	
			For >20 To 40, Add	2.54	
			For >40 To 100, Add	1.18	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)					
09 65 19 43-0001			Polyester Composition Floor Tile (09 65 19 43) Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)..... For Extra Stock, Material Only, Deduct	4.08 -1.38	1.18
			For Up To 20, Add	1.19	
			For >20 To 40, Add	0.70	
			For >40 To 80, Add	0.28	
			For >1,000 To 3,000, Deduct	-0.09	
			For >3,000 To 6,000, Deduct	-0.21	
			For >6,000, Deduct	-0.38	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)..... For Extra Stock, Material Only, Deduct	4.65 -1.38	1.18
			For Up To 20, Add	1.28	
			For >20 To 40, Add	0.76	
			For >40 To 80, Add	0.31	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.24	
			For >6,000, Deduct	-0.41	
09 65 43 Linoleum Flooring (09 65)					
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001			Linoleum Flooring (09 65 43)		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)..... For Up To 20, Add	5.19 1.58	1.18
			For >20 To 40, Add	0.92	
			For >40 To 100, Add	0.36	
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum) For Up To 20, Add	3.84 1.06	0.58
			For >20 To 40, Add	0.62	
			For >40 To 100, Add	0.25	
			For 3.2mm Thickness, Add	0.53	
			For 2mm Thickness, Deduct	-0.25	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	5.51	
09 65 66 Resilient Athletic Flooring (09 65)					
09 65 66 00-0001			Recycled Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0002	SF		3/8" Height, Recycled Rubber, Interlocking Athletic Tile For Colors, Add	5.41 0.92	0.55
09 65 66 00-0003	SF		1/2" Height, Recycled Rubber, Interlocking Athletic Tile For Colors, Add	6.29 1.06	0.69
09 65 66 00-0004	SF		3/4" Height, Recycled Rubber, Interlocking Athletic Tile For Colors, Add	7.35 1.16	1.10
09 65 66 00-0005	SF		1" Height, Recycled Rubber, Interlocking Athletic Tile For Colors, Add	10.64 1.75	1.33
09 65 66 00-0006			Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)		
09 65 66 00-0007	SF		3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)..... For Colors, Add	28.50 3.46	0.55
09 65 66 00-0008	SF		9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) For Colors, Add	41.20 5.05	0.55
09 65 66 00-0009	SF		3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) For Colors, Add	30.09 3.66	0.55
09 65 66 00-0010	SF		9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) For Colors, Add	37.02 4.53	0.55
09 65 66 00-0011	SF		7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)..... For Colors, Add	30.95 3.77	0.55

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 66 00-0012	Polyurethane Floor Systems <small>(09 65 66)</small>	See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0013	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	17.21	1.57

09 66 Terrazzo Flooring (09 60)

09 66 13 Portland Cement Terrazzo Flooring (09 66)
 Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)

09 66 13 13-0001	SF	Floors Not Bonded To Concrete <small>(09 66 13 13)</small> Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	30.59	2.37
		<i>For Venetian Type Terrazzo, Add</i>	8.98	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	8.98	
		<i>For Colors, Add</i>	4.49	
		<i>For Up To 100, Add</i>	6.85	
		<i>For >100 To 250, Add</i>	3.42	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	30.77	2.37
		<i>For Venetian Type Terrazzo, Add</i>	9.07	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	9.07	
		<i>For Colors, Add</i>	4.54	
		<i>For Up To 100, Add</i>	6.87	
		<i>For >100 To 250, Add</i>	3.43	

09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)

09 66 13 16-0001	SF	Monolithic Terrazzo <small>(09 66 13 16)</small> Note: Including Mesh And Felt		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	17.66	2.37
		<i>For Venetian Type Terrazzo, Add</i>	6.54	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.54	
		<i>For Colors, Add</i>	3.27	
		<i>For Up To 100, Add</i>	3.14	
		<i>For >100 To 250, Add</i>	1.57	

09 66 13 19 Bonded Terrazzo Flooring (09 66 13)

09 66 13 19-0001	SF	Floors Bonded To Concrete <small>(09 66 13 19)</small> Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	24.52	2.37
		<i>For Venetian Type Terrazzo, Add</i>	7.41	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.41	
		<i>For Colors, Add</i>	3.71	
		<i>For Up To 100, Add</i>	5.36	
		<i>For >100 To 250, Add</i>	2.68	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	24.70	2.37
		<i>For Venetian Type Terrazzo, Add</i>	7.50	
		<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.50	
		<i>For Colors, Add</i>	3.75	
		<i>For Up To 100, Add</i>	5.38	
		<i>For >100 To 250, Add</i>	2.69	

09 66 13 19-0004 Terrazzo Wainscot (09 66 13 19)

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	30.61	3.16
		<i>For Venetian Type Terrazzo, Add</i>	4.80	

09 66 13 19-0006 Terrazzo Base (09 66 13 19)

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	33.74	2.30
		<i>For Venetian Type Terrazzo, Add</i>	10.47	

09 66 13 19-0008 Terrazzo Curb (09 66 13 19)

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	79.11	15.37
		<i>For Venetian Type Terrazzo, Add</i>	13.95	

09 66 13 19-0010 Stairs Cast In Place (09 66 13 19)

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	30.79	4.73
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	75.10	15.77
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**MINOR
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09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	31.31	4.73
		<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
		<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
		<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
		<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0014		Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	4.37	0.79
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	4.74	0.79
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	6.75	0.79
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	9.94	0.79
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	4.21	0.79
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	6.22	0.79
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	4.20	0.79
09 66 16		Terrazzo Floor Tile (09 66)		
09 66 16 13		Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001		Flooring Tiles (09 66 16 13)		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		Terrazzo Tiles With Non Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	27.98	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	28.89	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	33.67	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	36.48	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	38.69	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0008		Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	27.91	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	29.95	2.30
		<i>For White Cement, Add</i>	0.36	
		<i>For Venetian Type Terrazzo, Add</i>	2.00	
09 66 16 13-0011		Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	40.92	4.61
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	46.47	4.61
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0014		Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	13.99	2.30
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	15.88	2.30
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	16.47	2.30
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	17.42	2.30
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0019		Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	26.60	3.08
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	25.65	3.08
		<i>For Each LF Of White Cement, Add</i>	0.50	
		<i>For Each LF Of Zinc Toe Strip, Add</i>	1.00	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	73.06	3.08
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	61.67	3.08
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	54.09	3.08

		Finishes	09
		Flooring	09 60
		Terrazzo Flooring	09 66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread.....	63.61	3.08
09 66 16 13-0027			Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)		
09 66 16 13-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	32.36	2.30
09 66 16 13-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	38.05	2.30
09 66 16 13-0030			Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	48.56	2.30
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	52.35	2.30
09 66 16 13-0033			Tread And Riser (09 66 16 13)		
09 66 16 13-0034			Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	80.37	6.14
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	97.31	6.14
09 66 16 13-0037			Structural Non-Slip Landings (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	58.26	3.08
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	72.32	3.08
09 66 16 13-0040			Combined Tread And Riser (09 66 16 13-0033)		
09 66 16 13-0041			Straight Sections (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	129.86	6.14
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	156.42	6.14
09 66 16 13-0044			Curved Sections (09 66 16 13-0040)		
09 66 16 13-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	164.08	6.14
09 66 16 13-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	209.61	6.14
09 66 23			Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16			Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001			Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	23.80	2.37
09 66 33			Conductive Terrazzo Flooring (09 66)		
			Note: For anti-static areas.		
09 66 33 13			Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001	SF		Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	25.41	3.84
09 66 33 13-0002	SF		Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	47.15	3.84
09 66 33 16			Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001	SF		Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	19.26	3.84
09 66 33 16-0002	SF		Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	34.24	3.84
09 66 33 19			Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	21.42	3.84
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	42.22	3.84
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	31.87	3.84
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	35.75	3.84
09 67			Fluid-Applied Flooring (09 60)		
09 67 16			Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001			Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002	SF		Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	13.10	2.37
			Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
			For Skid Resistant Abrasive Sand Finish, Add	0.06	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
09 67 16 00-0003	SF		Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	13.94	2.37
			Note: Includes primer, 3/16" marble chip coat and top seal coat.		
			For Skid Resistant Abrasive Sand Finish, Add	0.07	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
09 67 23			Resinous Flooring (09 67)		

09 Finishes

09 60 Flooring

09 67 Fluid-Applied Flooring

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 67 23 00-0001	Epoxy Resin Flooring <small>(09 67 23)</small>		
	Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 35 43 00-0001 for additional floor polish grinding.		
09 67 23 00-0002	SF 3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	11.32	5.36
	Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.05	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
	For Up To 500, Add	2.20	
	For >500 To 1,000, Add	1.38	
	For >1,000 To 2,000, Add	0.69	
09 67 23 00-0003	SF 3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.36	5.36
	Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.11	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.11	
	For Up To 500, Add	3.71	
	For >500 To 1,000, Add	2.29	
	For >1,000 To 2,000, Add	1.14	
09 67 23 00-0004	SF 1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	13.45	5.99
	Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.06	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
	For Up To 500, Add	2.57	
	For >500 To 1,000, Add	1.62	
	For >1,000 To 2,000, Add	0.81	
09 67 23 00-0005	SF 1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	20.38	5.99
	Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.12	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.12	
	For Up To 500, Add	4.31	
	For >500 To 1,000, Add	2.66	
	For >1,000 To 2,000, Add	1.33	
09 67 23 00-0006	SF 3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.20	6.71
	Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.06	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
	For Up To 500, Add	2.93	
	For >500 To 1,000, Add	1.84	
	For >1,000 To 2,000, Add	0.92	
09 67 23 00-0007	SF 3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	22.55	6.71
	Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
	For Skid Resistant Abrasive Sand Finish, Add	0.14	
	For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.14	
	For Up To 500, Add	4.76	
	For >500 To 1,000, Add	2.95	
	For >1,000 To 2,000, Add	1.47	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003	SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	33.86	4.75
	For >200 To 400, Deduct	-0.44	
	For >400 To 600, Deduct	-0.67	
	For >600 To 900, Deduct	-1.29	
	For >900 To 1,500, Deduct	-1.90	
	For >1,500 To 2,200, Deduct	-2.80	
	For >2,200 To 3,500, Deduct	-3.65	
	For >3,500, Deduct	-4.50	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0004	SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	35.21	4.75
	For >200 To 400, Deduct	-0.47	
	For >400 To 600, Deduct	-0.71	
	For >600 To 900, Deduct	-1.35	
	For >900 To 1,500, Deduct	-2.00	
	For >1,500 To 2,200, Deduct	-2.94	
	For >2,200 To 3,500, Deduct	-3.82	
	For >3,500, Deduct	-4.70	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0005	SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	39.49	4.75
	For >200 To 400, Deduct	-0.56	
	For >400 To 600, Deduct	-0.84	
	For >600 To 900, Deduct	-1.57	
	For >900 To 1,500, Deduct	-2.30	
	For >1,500 To 2,200, Deduct	-3.37	
	For >2,200 To 3,500, Deduct	-4.35	
	For >3,500, Deduct	-5.34	
	For Cushion Backed Tile, Add	6.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 68 13 00-0006	SY	24 Ounce, Non Patterned, Nylon Carpet Tile.....	43.66		4.75
		<i>For >200 To 400, Deduct</i>	-0.64		
		<i>For >400 To 600, Deduct</i>	-0.96		
		<i>For >600 To 900, Deduct</i>	-1.78		
		<i>For >900 To 1,500, Deduct</i>	-2.59		
		<i>For >1,500 To 2,200, Deduct</i>	-3.78		
		<i>For >2,200 To 3,500, Deduct</i>	-4.88		
		<i>For >3,500, Deduct</i>	-5.97		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0007	SY	26 Ounce, Non Patterned, Nylon Carpet Tile.....	46.10		4.75
		<i>For >200 To 400, Deduct</i>	-0.69		
		<i>For >400 To 600, Deduct</i>	-1.03		
		<i>For >600 To 900, Deduct</i>	-1.90		
		<i>For >900 To 1,500, Deduct</i>	-2.76		
		<i>For >1,500 To 2,200, Deduct</i>	-4.03		
		<i>For >2,200 To 3,500, Deduct</i>	-5.18		
		<i>For >3,500, Deduct</i>	-6.33		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0008	SY	28 Ounce, Non Patterned, Nylon Carpet Tile.....	48.59		4.75
		<i>For >200 To 400, Deduct</i>	-0.74		
		<i>For >400 To 600, Deduct</i>	-1.11		
		<i>For >600 To 900, Deduct</i>	-2.02		
		<i>For >900 To 1,500, Deduct</i>	-2.94		
		<i>For >1,500 To 2,200, Deduct</i>	-4.28		
		<i>For >2,200 To 3,500, Deduct</i>	-5.49		
		<i>For >3,500, Deduct</i>	-6.71		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0009	SY	30 Ounce, Non Patterned, Nylon Carpet Tile.....	49.33		4.75
		<i>For >200 To 400, Deduct</i>	-0.75		
		<i>For >400 To 600, Deduct</i>	-1.13		
		<i>For >600 To 900, Deduct</i>	-2.06		
		<i>For >900 To 1,500, Deduct</i>	-2.99		
		<i>For >1,500 To 2,200, Deduct</i>	-4.35		
		<i>For >2,200 To 3,500, Deduct</i>	-5.58		
		<i>For >3,500, Deduct</i>	-6.82		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0010	SY	32 Ounce, Non Patterned, Nylon Carpet Tile.....	49.80		4.75
		<i>For >200 To 400, Deduct</i>	-0.76		
		<i>For >400 To 600, Deduct</i>	-1.14		
		<i>For >600 To 900, Deduct</i>	-2.08		
		<i>For >900 To 1,500, Deduct</i>	-3.02		
		<i>For >1,500 To 2,200, Deduct</i>	-4.40		
		<i>For >2,200 To 3,500, Deduct</i>	-5.64		
		<i>For >3,500, Deduct</i>	-6.89		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0011	SY	34 Ounce, Non Patterned, Nylon Carpet Tile.....	50.19		4.75
		<i>For >200 To 400, Deduct</i>	-0.77		
		<i>For >400 To 600, Deduct</i>	-1.16		
		<i>For >600 To 900, Deduct</i>	-2.10		
		<i>For >900 To 1,500, Deduct</i>	-3.05		
		<i>For >1,500 To 2,200, Deduct</i>	-4.44		
		<i>For >2,200 To 3,500, Deduct</i>	-5.69		
		<i>For >3,500, Deduct</i>	-6.95		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0012	SY	36 Ounce, Non Patterned, Nylon Carpet Tile.....	51.52		4.75
		<i>For >200 To 400, Deduct</i>	-0.80		
		<i>For >400 To 600, Deduct</i>	-1.20		
		<i>For >600 To 900, Deduct</i>	-2.17		
		<i>For >900 To 1,500, Deduct</i>	-3.14		
		<i>For >1,500 To 2,200, Deduct</i>	-4.57		
		<i>For >2,200 To 3,500, Deduct</i>	-5.86		
		<i>For >3,500, Deduct</i>	-7.15		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0013	SY	38 Ounce, Non Patterned, Nylon Carpet Tile.....	54.16		4.75
		<i>For >200 To 400, Deduct</i>	-0.85		
		<i>For >400 To 600, Deduct</i>	-1.28		
		<i>For >600 To 900, Deduct</i>	-2.30		
		<i>For >900 To 1,500, Deduct</i>	-3.33		
		<i>For >1,500 To 2,200, Deduct</i>	-4.83		
		<i>For >2,200 To 3,500, Deduct</i>	-6.19		
		<i>For >3,500, Deduct</i>	-7.54		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		
09 68 13 00-0014	SY	40 Ounce, Non Patterned, Nylon Carpet Tile.....	56.99		4.75
		<i>For >200 To 400, Deduct</i>	-0.91		
		<i>For >400 To 600, Deduct</i>	-1.36		
		<i>For >600 To 900, Deduct</i>	-2.44		
		<i>For >900 To 1,500, Deduct</i>	-3.52		
		<i>For >1,500 To 2,200, Deduct</i>	-5.12		
		<i>For >2,200 To 3,500, Deduct</i>	-6.54		
		<i>For >3,500, Deduct</i>	-7.97		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Cushion Backed Tile, Add</i>	6.00		

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0015	SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	62.43	4.75
	For >200 To 400, Deduct	-1.02	
	For >400 To 600, Deduct	-1.52	
	For >600 To 900, Deduct	-2.71	
	For >900 To 1,500, Deduct	-3.90	
	For >1,500 To 2,200, Deduct	-5.66	
	For >2,200 To 3,500, Deduct	-7.22	
	For >3,500, Deduct	-8.78	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016	SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	11.54	
09 68 13 00-0017	Patterned Carpet Tiles (09 68 13 00-0001)		
	Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018	SY 15 Ounce, Patterned, Nylon Carpet Tile.....	34.64	4.75
	For >200 To 400, Deduct	-0.44	
	For >400 To 600, Deduct	-0.65	
	For >600 To 900, Deduct	-1.28	
	For >900 To 1,500, Deduct	-1.91	
	For >1,500 To 2,200, Deduct	-2.82	
	For >2,200 To 3,500, Deduct	-3.69	
	For >3,500, Deduct	-4.56	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0019	SY 18 Ounce, Patterned, Nylon Carpet Tile.....	35.37	4.75
	For >200 To 400, Deduct	-0.45	
	For >400 To 600, Deduct	-0.68	
	For >600 To 900, Deduct	-1.32	
	For >900 To 1,500, Deduct	-1.96	
	For >1,500 To 2,200, Deduct	-2.90	
	For >2,200 To 3,500, Deduct	-3.78	
	For >3,500, Deduct	-4.67	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0020	SY 20 Ounce, Patterned, Nylon Carpet Tile.....	36.73	4.75
	For >200 To 400, Deduct	-0.48	
	For >400 To 600, Deduct	-0.72	
	For >600 To 900, Deduct	-1.39	
	For >900 To 1,500, Deduct	-2.06	
	For >1,500 To 2,200, Deduct	-3.03	
	For >2,200 To 3,500, Deduct	-3.95	
	For >3,500, Deduct	-4.87	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021	SY 22 Ounce, Patterned, Nylon Carpet Tile.....	41.08	4.75
	For >200 To 400, Deduct	-0.57	
	For >400 To 600, Deduct	-0.85	
	For >600 To 900, Deduct	-1.61	
	For >900 To 1,500, Deduct	-2.36	
	For >1,500 To 2,200, Deduct	-3.47	
	For >2,200 To 3,500, Deduct	-4.49	
	For >3,500, Deduct	-5.52	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022	SY 24 Ounce, Patterned, Nylon Carpet Tile.....	45.31	4.75
	For >200 To 400, Deduct	-0.65	
	For >400 To 600, Deduct	-0.98	
	For >600 To 900, Deduct	-1.82	
	For >900 To 1,500, Deduct	-2.66	
	For >1,500 To 2,200, Deduct	-3.89	
	For >2,200 To 3,500, Deduct	-5.02	
	For >3,500, Deduct	-6.16	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0023	SY 26 Ounce, Patterned, Nylon Carpet Tile.....	47.78	4.75
	For >200 To 400, Deduct	-0.70	
	For >400 To 600, Deduct	-1.05	
	For >600 To 900, Deduct	-1.94	
	For >900 To 1,500, Deduct	-2.83	
	For >1,500 To 2,200, Deduct	-4.14	
	For >2,200 To 3,500, Deduct	-5.33	
	For >3,500, Deduct	-6.53	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0024	SY 28 Ounce, Patterned, Nylon Carpet Tile.....	50.32	4.75
	For >200 To 400, Deduct	-0.75	
	For >400 To 600, Deduct	-1.13	
	For >600 To 900, Deduct	-2.07	
	For >900 To 1,500, Deduct	-3.01	
	For >1,500 To 2,200, Deduct	-4.39	
	For >2,200 To 3,500, Deduct	-5.65	
	For >3,500, Deduct	-6.91	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025	SY 30 Ounce, Patterned, Nylon Carpet Tile.....	51.07	4.75
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.15	
	For >600 To 900, Deduct	-2.11	
	For >900 To 1,500, Deduct	-3.06	
	For >1,500 To 2,200, Deduct	-4.47	
	For >2,200 To 3,500, Deduct	-5.74	
	For >3,500, Deduct	-7.02	
	For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0026	SY		32 Ounce, Patterned, Nylon Carpet Tile	51.54	4.75
			<i>For >200 To 400, Deduct</i>	-0.77	
			<i>For >400 To 600, Deduct</i>	-1.16	
			<i>For >600 To 900, Deduct</i>	-2.13	
			<i>For >900 To 1,500, Deduct</i>	-3.10	
			<i>For >1,500 To 2,200, Deduct</i>	-4.51	
			<i>For >2,200 To 3,500, Deduct</i>	-5.80	
			<i>For >3,500, Deduct</i>	-7.09	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0027	SY		34 Ounce, Patterned, Nylon Carpet Tile	51.94	4.75
			<i>For >200 To 400, Deduct</i>	-0.78	
			<i>For >400 To 600, Deduct</i>	-1.17	
			<i>For >600 To 900, Deduct</i>	-2.15	
			<i>For >900 To 1,500, Deduct</i>	-3.12	
			<i>For >1,500 To 2,200, Deduct</i>	-4.55	
			<i>For >2,200 To 3,500, Deduct</i>	-5.85	
			<i>For >3,500, Deduct</i>	-7.15	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0028	SY		36 Ounce, Patterned, Nylon Carpet Tile	53.29	4.75
			<i>For >200 To 400, Deduct</i>	-0.81	
			<i>For >400 To 600, Deduct</i>	-1.21	
			<i>For >600 To 900, Deduct</i>	-2.22	
			<i>For >900 To 1,500, Deduct</i>	-3.22	
			<i>For >1,500 To 2,200, Deduct</i>	-4.69	
			<i>For >2,200 To 3,500, Deduct</i>	-6.02	
			<i>For >3,500, Deduct</i>	-7.35	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0029	SY		38 Ounce, Patterned, Nylon Carpet Tile	55.97	4.75
			<i>For >200 To 400, Deduct</i>	-0.86	
			<i>For >400 To 600, Deduct</i>	-1.29	
			<i>For >600 To 900, Deduct</i>	-2.35	
			<i>For >900 To 1,500, Deduct</i>	-3.41	
			<i>For >1,500 To 2,200, Deduct</i>	-4.96	
			<i>For >2,200 To 3,500, Deduct</i>	-6.36	
			<i>For >3,500, Deduct</i>	-7.76	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile	58.84	4.75
			<i>For >200 To 400, Deduct</i>	-0.92	
			<i>For >400 To 600, Deduct</i>	-1.38	
			<i>For >600 To 900, Deduct</i>	-2.49	
			<i>For >900 To 1,500, Deduct</i>	-3.61	
			<i>For >1,500 To 2,200, Deduct</i>	-5.24	
			<i>For >2,200 To 3,500, Deduct</i>	-6.71	
			<i>For >3,500, Deduct</i>	-8.19	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile	64.37	4.75
			<i>For >200 To 400, Deduct</i>	-1.03	
			<i>For >400 To 600, Deduct</i>	-1.55	
			<i>For >600 To 900, Deduct</i>	-2.77	
			<i>For >900 To 1,500, Deduct</i>	-3.99	
			<i>For >1,500 To 2,200, Deduct</i>	-5.80	
			<i>For >2,200 To 3,500, Deduct</i>	-7.41	
			<i>For >3,500, Deduct</i>	-9.02	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles	13.24	
09 68 13 00-0033			ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) <small>(09 68 13 00-0001)</small>		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	81.30	4.75
			<i>For >200 To 400, Deduct</i>	-1.37	
			<i>For >400 To 600, Deduct</i>	-2.05	
			<i>For >600 To 900, Deduct</i>	-3.62	
			<i>For >900 To 1,500, Deduct</i>	-5.18	
			<i>For >1,500 To 2,200, Deduct</i>	-7.49	
			<i>For >2,200 To 3,500, Deduct</i>	-9.52	
			<i>For >3,500, Deduct</i>	-11.55	

09 68 16 Sheet Carpeting (09 68)

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001	Carpet Cushion	<small>(09 68 16)</small>
09 68 16 00-0002	Carpet Padding	<small>(09 68 16 00-0001)</small>
09 68 16 00-0003	Prime Polyurethane Foam Carpet Padding	<small>(09 68 16 00-0002)</small>

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0004	SY 7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	11.81	2.23
	For >200 To 400, Deduct	-0.17	
	For >400 To 600, Deduct	-0.25	
	For >600 To 900, Deduct	-0.47	
	For >900 To 1,500, Deduct	-0.69	
	For >1,500 To 2,200, Deduct	-1.01	
	For >2,200 To 3,500, Deduct	-1.31	
	For >3,500, Deduct	-1.60	
09 68 16 00-0005	SY 1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	12.31	2.23
	For >200 To 400, Deduct	-0.18	
	For >400 To 600, Deduct	-0.27	
	For >600 To 900, Deduct	-0.50	
	For >900 To 1,500, Deduct	-0.73	
	For >1,500 To 2,200, Deduct	-1.06	
	For >2,200 To 3,500, Deduct	-1.37	
	For >3,500, Deduct	-1.68	
09 68 16 00-0006	Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0007	SY 1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.50	2.23
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.12	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.39	
	For >1,500 To 2,200, Deduct	-0.58	
	For >2,200 To 3,500, Deduct	-0.77	
	For >3,500, Deduct	-0.96	
09 68 16 00-0008	SY 5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.84	2.23
	For >200 To 400, Deduct	-0.09	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.27	
	For >900 To 1,500, Deduct	-0.41	
	For >1,500 To 2,200, Deduct	-0.62	
	For >2,200 To 3,500, Deduct	-0.81	
	For >3,500, Deduct	-1.01	
09 68 16 00-0009	SY 3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	6.24	2.23
	For >200 To 400, Deduct	-0.06	
	For >400 To 600, Deduct	-0.09	
	For >600 To 900, Deduct	-0.19	
	For >900 To 1,500, Deduct	-0.30	
	For >1,500 To 2,200, Deduct	-0.46	
	For >2,200 To 3,500, Deduct	-0.61	
	For >3,500, Deduct	-0.77	
09 68 16 00-0010	SY 3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.61	2.23
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.40	
	For >1,500 To 2,200, Deduct	-0.59	
	For >2,200 To 3,500, Deduct	-0.78	
	For >3,500, Deduct	-0.97	
09 68 16 00-0011	SY 7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.61	2.23
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.40	
	For >1,500 To 2,200, Deduct	-0.59	
	For >2,200 To 3,500, Deduct	-0.78	
	For >3,500, Deduct	-0.97	
09 68 16 00-0012	SY 7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.61	2.23
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.40	
	For >1,500 To 2,200, Deduct	-0.59	
	For >2,200 To 3,500, Deduct	-0.78	
	For >3,500, Deduct	-0.97	
09 68 16 00-0013	SY 7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	8.43	2.23
	For >200 To 400, Deduct	-0.10	
	For >400 To 600, Deduct	-0.15	
	For >600 To 900, Deduct	-0.30	
	For >900 To 1,500, Deduct	-0.45	
	For >1,500 To 2,200, Deduct	-0.67	
	For >2,200 To 3,500, Deduct	-0.88	
	For >3,500, Deduct	-1.10	
09 68 16 00-0014	SY 1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.54	2.23
	For >200 To 400, Deduct	-0.08	
	For >400 To 600, Deduct	-0.12	
	For >600 To 900, Deduct	-0.26	
	For >900 To 1,500, Deduct	-0.39	
	For >1,500 To 2,200, Deduct	-0.59	
	For >2,200 To 3,500, Deduct	-0.77	
	For >3,500, Deduct	-0.96	
09 68 16 00-0015	SY 1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	7.80	2.23
	For >200 To 400, Deduct	-0.09	
	For >400 To 600, Deduct	-0.13	
	For >600 To 900, Deduct	-0.27	
	For >900 To 1,500, Deduct	-0.41	
	For >1,500 To 2,200, Deduct	-0.61	
	For >2,200 To 3,500, Deduct	-0.81	
	For >3,500, Deduct	-1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0016	SY		1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	8.77	2.23
			<i>For >200 To 400, Deduct</i>	-0.11	
			<i>For >400 To 600, Deduct</i>	-0.16	
			<i>For >600 To 900, Deduct</i>	-0.32	
			<i>For >900 To 1,500, Deduct</i>	-0.48	
			<i>For >1,500 To 2,200, Deduct</i>	-0.71	
			<i>For >2,200 To 3,500, Deduct</i>	-0.93	
			<i>For >3,500, Deduct</i>	-1.15	
09 68 16 00-0017			Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0018	SY		0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	12.56	2.23
			<i>For >200 To 400, Deduct</i>	-0.18	
			<i>For >400 To 600, Deduct</i>	-0.28	
			<i>For >600 To 900, Deduct</i>	-0.51	
			<i>For >900 To 1,500, Deduct</i>	-0.74	
			<i>For >1,500 To 2,200, Deduct</i>	-1.09	
			<i>For >2,200 To 3,500, Deduct</i>	-1.40	
			<i>For >3,500, Deduct</i>	-1.72	
09 68 16 00-0019	SY		0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	13.98	2.23
			<i>For >200 To 400, Deduct</i>	-0.21	
			<i>For >400 To 600, Deduct</i>	-0.32	
			<i>For >600 To 900, Deduct</i>	-0.58	
			<i>For >900 To 1,500, Deduct</i>	-0.84	
			<i>For >1,500 To 2,200, Deduct</i>	-1.23	
			<i>For >2,200 To 3,500, Deduct</i>	-1.58	
			<i>For >3,500, Deduct</i>	-1.93	
09 68 16 00-0020	SY		0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	15.08	2.23
			<i>For >200 To 400, Deduct</i>	-0.23	
			<i>For >400 To 600, Deduct</i>	-0.35	
			<i>For >600 To 900, Deduct</i>	-0.64	
			<i>For >900 To 1,500, Deduct</i>	-0.92	
			<i>For >1,500 To 2,200, Deduct</i>	-1.34	
			<i>For >2,200 To 3,500, Deduct</i>	-1.72	
			<i>For >3,500, Deduct</i>	-2.09	
09 68 16 00-0021			Waffle Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0022	SY		3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding.....	14.37	2.23
			<i>For >200 To 400, Deduct</i>	-0.22	
			<i>For >400 To 600, Deduct</i>	-0.33	
			<i>For >600 To 900, Deduct</i>	-0.60	
			<i>For >900 To 1,500, Deduct</i>	-0.87	
			<i>For >1,500 To 2,200, Deduct</i>	-1.27	
			<i>For >2,200 To 3,500, Deduct</i>	-1.63	
			<i>For >3,500, Deduct</i>	-1.99	
09 68 16 00-0023			Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0024	SY		0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding.....	8.85	2.23
			<i>For >200 To 400, Deduct</i>	-0.11	
			<i>For >400 To 600, Deduct</i>	-0.16	
			<i>For >600 To 900, Deduct</i>	-0.32	
			<i>For >900 To 1,500, Deduct</i>	-0.48	
			<i>For >1,500 To 2,200, Deduct</i>	-0.72	
			<i>For >2,200 To 3,500, Deduct</i>	-0.94	
			<i>For >3,500, Deduct</i>	-1.16	
09 68 16 00-0025	SY		0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding.....	9.43	2.23
			<i>For >200 To 400, Deduct</i>	-0.12	
			<i>For >400 To 600, Deduct</i>	-0.18	
			<i>For >600 To 900, Deduct</i>	-0.35	
			<i>For >900 To 1,500, Deduct</i>	-0.52	
			<i>For >1,500 To 2,200, Deduct</i>	-0.77	
			<i>For >2,200 To 3,500, Deduct</i>	-1.01	
			<i>For >3,500, Deduct</i>	-1.25	
09 68 16 00-0026	SY		0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	9.86	2.23
			<i>For >200 To 400, Deduct</i>	-0.13	
			<i>For >400 To 600, Deduct</i>	-0.19	
			<i>For >600 To 900, Deduct</i>	-0.37	
			<i>For >900 To 1,500, Deduct</i>	-0.56	
			<i>For >1,500 To 2,200, Deduct</i>	-0.82	
			<i>For >2,200 To 3,500, Deduct</i>	-1.06	
			<i>For >3,500, Deduct</i>	-1.31	
09 68 16 00-0027	SY		0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	11.21	2.23
			<i>For >200 To 400, Deduct</i>	-0.16	
			<i>For >400 To 600, Deduct</i>	-0.23	
			<i>For >600 To 900, Deduct</i>	-0.44	
			<i>For >900 To 1,500, Deduct</i>	-0.65	
			<i>For >1,500 To 2,200, Deduct</i>	-0.95	
			<i>For >2,200 To 3,500, Deduct</i>	-1.23	
			<i>For >3,500, Deduct</i>	-1.51	
09 68 16 00-0028	SY		0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	11.33	2.23
			<i>For >200 To 400, Deduct</i>	-0.16	
			<i>For >400 To 600, Deduct</i>	-0.24	
			<i>For >600 To 900, Deduct</i>	-0.45	
			<i>For >900 To 1,500, Deduct</i>	-0.66	
			<i>For >1,500 To 2,200, Deduct</i>	-0.96	
			<i>For >2,200 To 3,500, Deduct</i>	-1.25	
			<i>For >3,500, Deduct</i>	-1.53	

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0029			Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0030	SY		0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	4.51	2.23
			For >200 To 400, Deduct	-0.02	
			For >400 To 600, Deduct	-0.03	
			For >600 To 900, Deduct	-0.11	
			For >900 To 1,500, Deduct	-0.18	
			For >1,500 To 2,200, Deduct	-0.28	
			For >2,200 To 3,500, Deduct	-0.39	
			For >3,500, Deduct	-0.51	
09 68 16 00-0031	SY		0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	5.40	2.23
			For >200 To 400, Deduct	-0.04	
			For >400 To 600, Deduct	-0.06	
			For >600 To 900, Deduct	-0.15	
			For >900 To 1,500, Deduct	-0.24	
			For >1,500 To 2,200, Deduct	-0.37	
			For >2,200 To 3,500, Deduct	-0.51	
			For >3,500, Deduct	-0.64	
09 68 16 00-0032	SY		0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	4.99	2.23
			For >200 To 400, Deduct	-0.03	
			For >400 To 600, Deduct	-0.05	
			For >600 To 900, Deduct	-0.13	
			For >900 To 1,500, Deduct	-0.21	
			For >1,500 To 2,200, Deduct	-0.33	
			For >2,200 To 3,500, Deduct	-0.45	
			For >3,500, Deduct	-0.58	
09 68 16 00-0033	SY		0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	5.15	2.23
			For >200 To 400, Deduct	-0.04	
			For >400 To 600, Deduct	-0.05	
			For >600 To 900, Deduct	-0.14	
			For >900 To 1,500, Deduct	-0.23	
			For >1,500 To 2,200, Deduct	-0.35	
			For >2,200 To 3,500, Deduct	-0.47	
			For >3,500, Deduct	-0.60	
09 68 16 00-0034	SY		0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	6.06	2.23
			For >200 To 400, Deduct	-0.05	
			For >400 To 600, Deduct	-0.08	
			For >600 To 900, Deduct	-0.18	
			For >900 To 1,500, Deduct	-0.29	
			For >1,500 To 2,200, Deduct	-0.44	
			For >2,200 To 3,500, Deduct	-0.59	
			For >3,500, Deduct	-0.74	
09 68 16 00-0035			Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	6.34	2.23
			For >200 To 400, Deduct	-0.06	
			For >400 To 600, Deduct	-0.09	
			For >600 To 900, Deduct	-0.20	
			For >900 To 1,500, Deduct	-0.31	
			For >1,500 To 2,200, Deduct	-0.47	
			For >2,200 To 3,500, Deduct	-0.62	
			For >3,500, Deduct	-0.78	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	7.05	2.23
			For >200 To 400, Deduct	-0.07	
			For >400 To 600, Deduct	-0.11	
			For >600 To 900, Deduct	-0.23	
			For >900 To 1,500, Deduct	-0.36	
			For >1,500 To 2,200, Deduct	-0.54	
			For >2,200 To 3,500, Deduct	-0.71	
			For >3,500, Deduct	-0.89	
09 68 16 00-0038			Residential Broadloom Carpet (09 68 16)		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	32.99	5.94
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.69	
			For Up To 15, Add	3.05	
			For >15 To 33, Add	1.52	
			For >200 To 400, Deduct	-0.36	
			For >400 To 600, Deduct	-0.53	
			For >600 To 900, Deduct	-1.12	
			For >900, Deduct	-1.70	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	37.17	5.94
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	2.69	
			For Up To 15, Add	3.05	
			For >15 To 33, Add	1.52	
			For >200 To 400, Deduct	-0.44	
			For >400 To 600, Deduct	-0.66	
			For >600 To 900, Deduct	-1.33	
			For >900, Deduct	-1.99	
			For Installation On Stairs, Each Riser, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	42.91	5.94
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.69	
		<i>For Up To 15, Add</i>		3.05	
		<i>For >15 To 33, Add</i>		1.52	
		<i>For >200 To 400, Deduct</i>		-0.55	
		<i>For >400 To 600, Deduct</i>		-0.83	
		<i>For >600 To 900, Deduct</i>		-1.61	
		<i>For >900, Deduct</i>		-2.39	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	48.92	5.94
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.69	
		<i>For Up To 15, Add</i>		3.05	
		<i>For >15 To 33, Add</i>		1.52	
		<i>For >200 To 400, Deduct</i>		-0.67	
		<i>For >400 To 600, Deduct</i>		-1.01	
		<i>For >600 To 900, Deduct</i>		-1.91	
		<i>For >900, Deduct</i>		-2.81	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	49.96	5.94
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.69	
		<i>For Up To 15, Add</i>		3.05	
		<i>For >15 To 33, Add</i>		1.52	
		<i>For >200 To 400, Deduct</i>		-0.69	
		<i>For >400 To 600, Deduct</i>		-1.04	
		<i>For >600 To 900, Deduct</i>		-1.96	
		<i>For >900, Deduct</i>		-2.89	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	51.54	6.53
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.84	
		<i>For Up To 15, Add</i>		3.25	
		<i>For >15 To 33, Add</i>		1.63	
		<i>For >200 To 400, Deduct</i>		-0.71	
		<i>For >400 To 600, Deduct</i>		-1.06	
		<i>For >600 To 900, Deduct</i>		-2.01	
		<i>For >900, Deduct</i>		-2.96	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	53.33	6.53
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.84	
		<i>For Up To 15, Add</i>		3.25	
		<i>For >15 To 33, Add</i>		1.63	
		<i>For >200 To 400, Deduct</i>		-0.74	
		<i>For >400 To 600, Deduct</i>		-1.11	
		<i>For >600 To 900, Deduct</i>		-2.10	
		<i>For >900, Deduct</i>		-3.08	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	57.77	6.53
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.84	
		<i>For Up To 15, Add</i>		3.25	
		<i>For >15 To 33, Add</i>		1.63	
		<i>For >200 To 400, Deduct</i>		-0.83	
		<i>For >400 To 600, Deduct</i>		-1.25	
		<i>For >600 To 900, Deduct</i>		-2.32	
		<i>For >900, Deduct</i>		-3.39	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	58.29	6.53
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.84	
		<i>For Up To 15, Add</i>		3.25	
		<i>For >15 To 33, Add</i>		1.63	
		<i>For >200 To 400, Deduct</i>		-0.84	
		<i>For >400 To 600, Deduct</i>		-1.26	
		<i>For >600 To 900, Deduct</i>		-2.35	
		<i>For >900, Deduct</i>		-3.43	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	.....	60.38	6.53
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>		2.84	
		<i>For Up To 15, Add</i>		3.25	
		<i>For >15 To 33, Add</i>		1.63	
		<i>For >200 To 400, Deduct</i>		-0.88	
		<i>For >400 To 600, Deduct</i>		-1.32	
		<i>For >600 To 900, Deduct</i>		-2.45	
		<i>For >900, Deduct</i>		-3.58	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	
09 68 16 00-0049		Commercial Broadloom Carpet <small>(09 68 16)</small>			
		Note: Level-loop pile or textured-loop pile broadloom carpet.			
09 68 16 00-0050		Non-Patterned Broadloom Carpet <small>(09 68 16 00-0049)</small>			
09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	.....	42.98	19.51
		<i>For Up To 15, Add</i>		2.60	
		<i>For >15 To 33, Add</i>		1.30	
		<i>For >200 To 400, Deduct</i>		-0.60	
		<i>For >400 To 600, Deduct</i>		-0.90	
		<i>For >600 To 900, Deduct</i>		-1.69	
		<i>For >900, Deduct</i>		-2.49	
		<i>For Moisture Barrier Backing, Add</i>		3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>		6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	42.98	19.51
		For Up To 15, Add	2.60	
		For >15 To 33, Add	1.30	
		For >200 To 400, Deduct	-0.60	
		For >400 To 600, Deduct	-0.90	
		For >600 To 900, Deduct	-1.69	
		For >900, Deduct	-2.49	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	42.98	19.51
		For Up To 15, Add	2.60	
		For >15 To 33, Add	1.30	
		For >200 To 400, Deduct	-0.60	
		For >400 To 600, Deduct	-0.90	
		For >600 To 900, Deduct	-1.69	
		For >900, Deduct	-2.49	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0054	SY	28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	46.59	21.14
		For Up To 15, Add	2.82	
		For >15 To 33, Add	1.41	
		For >200 To 400, Deduct	-0.65	
		For >400 To 600, Deduct	-0.98	
		For >600 To 900, Deduct	-1.84	
		For >900, Deduct	-2.70	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0055	SY	30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	47.51	21.14
		For Up To 15, Add	2.82	
		For >15 To 33, Add	1.41	
		For >200 To 400, Deduct	-0.67	
		For >400 To 600, Deduct	-1.00	
		For >600 To 900, Deduct	-1.88	
		For >900, Deduct	-2.76	
		For Cut Pile Carpet, Add	1.50	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	47.67	21.14
		For Up To 15, Add	2.82	
		For >15 To 33, Add	1.41	
		For >200 To 400, Deduct	-0.67	
		For >400 To 600, Deduct	-1.01	
		For >600 To 900, Deduct	-1.89	
		For >900, Deduct	-2.77	
		For Cut Pile Carpet, Add	1.50	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	52.40	22.75
		For Up To 15, Add	3.03	
		For >15 To 33, Add	1.52	
		For >200 To 400, Deduct	-0.74	
		For >400 To 600, Deduct	-1.12	
		For >600 To 900, Deduct	-2.09	
		For >900, Deduct	-3.06	
		For Cut Pile Carpet, Add	1.50	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	53.07	22.75
		For Up To 15, Add	3.03	
		For >15 To 33, Add	1.52	
		For >200 To 400, Deduct	-0.76	
		For >400 To 600, Deduct	-1.14	
		For >600 To 900, Deduct	-2.12	
		For >900, Deduct	-3.11	
		For Cut Pile Carpet, Add	1.50	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	53.87	22.75
		For Up To 15, Add	3.03	
		For >15 To 33, Add	1.52	
		For >200 To 400, Deduct	-0.77	
		For >400 To 600, Deduct	-1.16	
		For >600 To 900, Deduct	-2.16	
		For >900, Deduct	-3.16	
		For Cut Pile Carpet, Add	1.50	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	

09 68 16 00-0060 Patterned Broadloom Carpet (09 68 16 00-0049)

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.73	19.51
		For Up To 15, Add	2.86	
		For >15 To 33, Add	1.43	
		For >200 To 400, Deduct	-0.61	
		For >400 To 600, Deduct	-0.91	
		For >600 To 900, Deduct	-1.74	
		For >900, Deduct	-2.56	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.73		19.51
		For Up To 15, Add	2.86		
		For >15 To 33, Add	1.43		
		For >200 To 400, Deduct	-0.61		
		For >400 To 600, Deduct	-0.91		
		For >600 To 900, Deduct	-1.74		
		For >900, Deduct	-2.56		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.73		19.51
		For Up To 15, Add	2.86		
		For >15 To 33, Add	1.43		
		For >200 To 400, Deduct	-0.61		
		For >400 To 600, Deduct	-0.91		
		For >600 To 900, Deduct	-1.74		
		For >900, Deduct	-2.56		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	48.49		21.14
		For Up To 15, Add	3.10		
		For >15 To 33, Add	1.55		
		For >200 To 400, Deduct	-0.66		
		For >400 To 600, Deduct	-0.99		
		For >600 To 900, Deduct	-1.88		
		For >900, Deduct	-2.77		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	49.42		21.14
		For Up To 15, Add	3.10		
		For >15 To 33, Add	1.55		
		For >200 To 400, Deduct	-0.68		
		For >400 To 600, Deduct	-1.02		
		For >600 To 900, Deduct	-1.93		
		For >900, Deduct	-2.84		
		For Cut Pile Carpet, Add	1.50		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0066	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	49.58		21.14
		For Up To 15, Add	3.10		
		For >15 To 33, Add	1.55		
		For >200 To 400, Deduct	-0.68		
		For >400 To 600, Deduct	-1.02		
		For >600 To 900, Deduct	-1.94		
		For >900, Deduct	-2.85		
		For Cut Pile Carpet, Add	1.50		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0067	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	54.48		22.75
		For Up To 15, Add	3.34		
		For >15 To 33, Add	1.67		
		For >200 To 400, Deduct	-0.76		
		For >400 To 600, Deduct	-1.13		
		For >600 To 900, Deduct	-2.14		
		For >900, Deduct	-3.15		
		For Cut Pile Carpet, Add	1.50		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0068	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	55.16		22.75
		For Up To 15, Add	3.34		
		For >15 To 33, Add	1.67		
		For >200 To 400, Deduct	-0.77		
		For >400 To 600, Deduct	-1.15		
		For >600 To 900, Deduct	-2.17		
		For >900, Deduct	-3.19		
		For Cut Pile Carpet, Add	1.50		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0069	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	55.97		22.75
		For Up To 15, Add	3.34		
		For >15 To 33, Add	1.67		
		For >200 To 400, Deduct	-0.79		
		For >400 To 600, Deduct	-1.18		
		For >600 To 900, Deduct	-2.21		
		For >900, Deduct	-3.25		
		For Cut Pile Carpet, Add	1.50		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Moisture Barrier Backing, Add	3.50		
		For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0070		Removal And Reinstallation Of Carpet And Pad <small>(09 68 16)</small>			
		Note: Includes storage, cleaning and supply materials.			
09 68 16 00-0071	SY	Removal And Reinstallation Of Carpet And Pad.....	27.46		
09 68 16 00-0072		Carpeting Support Functions <small>(09 68 16)</small>			
09 68 16 00-0073		Relocate Partitions, Modular Work Stations <small>(09 68 16 00-0072)</small>			
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.			
09 68 16 00-0074	EA	Relocate Modular Work Station.....	249.56		

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 68 16 00-0075		Installation Of Owner Provided Broadloom Carpet (09 68 16)		
09 68 16 00-0076	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	11.59	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	2.26	
		For >15 To 33, Add	1.13	
09 68 16 00-0077	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	13.48	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	2.64	
		For >15 To 33, Add	1.32	
09 68 16 00-0078	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	16.12	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	3.17	
		For >15 To 33, Add	1.58	

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001		Cork Wall Covering (09 72 13)		
09 72 13 00-0002	SF	1/8" Cork Wall Covering.....	3.96	0.66
09 72 13 00-0003	SF	1/4" Cork Wall Covering.....	4.96	0.66
09 72 13 00-0004	SF	1/2" Cork Wall Covering.....	5.77	0.66
09 72 13 00-0005	SF	3/4" Cork Wall Covering.....	8.11	0.66

09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)

09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)

09 72 16 13-0001		Vinyl Wall Coverings (09 72 16 13)		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering.....	2.64	0.66
		For Owner Furnished Material, Deduct	-1.61	
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering.....	3.44	0.66
		For Owner Furnished Material, Deduct	-2.34	
09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering.....	4.04	0.66
		For Owner Furnished Material, Deduct	-2.94	
09 72 16 13-0005	SF	20 To 25 Ounces/SY Vinyl Wall Covering.....	4.77	0.66
		For Owner Furnished Material, Deduct	-3.39	
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering.....	5.56	0.66
		For Owner Furnished Material, Deduct	-4.12	
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering.....	6.71	0.66
		For Owner Furnished Material, Deduct	-5.21	

09 73 Wall Carpeting (09 70)

09 73 00 00-0001		Carpet Wall Covering (09 73)		
09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering.....	37.68	21.66
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering.....	38.52	21.66
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering.....	41.75	23.33
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering.....	44.17	23.33
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering.....	46.67	23.33
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering.....	47.69	23.33
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering.....	49.61	25.20
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering.....	51.68	25.20

09 80 Acoustic Treatment (09)

09 81 Acoustic Insulation (09 80)

09 81 16 Acoustic Blanket Insulation (09 81)

09 81 16 00-0001		Sound Attenuation Fire Blankets (SAFB) (09 81 16)		
09 81 16 00-0002		2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.39	0.23
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.50	0.23
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.66	0.23
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.78	0.23
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.94	0.23
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.09	0.23
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.29	0.23
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.51	0.23
09 81 16 00-0011		4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)		
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.36	0.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 81 16 00-0013			Sound Attenuation Batts (09 81 16) Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.87	0.31
09 81 16 00-0015	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.93	0.31
09 81 16 00-0016	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	0.97	0.31
09 81 16 00-0017	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.08	0.31
09 81 16 00-0018	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.12	0.31
09 81 16 00-0019	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.11	0.31
09 81 16 00-0020	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	1.15	0.31

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001			Sound Absorbing Panels And Attenuation Blankets (09 84 13) Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.		
09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	8.41	1.57

09 84 13 00-0003 Sound Absorbing Acoustical Wall Panel System (09 84 13)
 See CSI section 06 11 16 00-0175 for wood furring.

09 84 13 00-0004			Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0003) Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0005	SF		5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl).....	10.07	1.78
09 84 13 00-0006	SF		3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®).....	9.30	1.78
09 84 13 00-0007	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	11.74	1.78
09 84 13 00-0008	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™).....	11.76	1.78
09 84 13 00-0009	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™).....	12.99	1.78
09 84 13 00-0010	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™).....	12.99	1.78

09 84 13 00-0011 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System
(Armstrong® Soundsoak®) (09 84 13 00-0003)
 Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0012	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	11.77	1.78
09 84 13 00-0013	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	13.78	1.78
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™).....	13.78	1.78
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	15.79	1.78
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	15.79	1.78

09 84 13 00-0017 Sound Absorbing Panel, Eggcrate Style (09 84 13)
 Note: Ceiling or wall hung back.

09 84 13 00-0018	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	7.85	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0019	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.41	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0020	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	13.68	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0021	SF		2" Thick Melamine Sound Wave (Eggcrate Style).....	10.28	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0022	SF		3" Thick Melamine Sound Wave (Eggcrate Style).....	24.67	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0023	SF		4" Thick Melamine Sound Wave (Eggcrate Style).....	31.93	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	

09 84 13 00-0024 Sound Deadening Fiberboard (09 84 13)

09 84 13 00-0025	SF		1/2" Sound Deadening Fiberboard.....	1.75	0.39
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.36	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.49	
			<i>For >128 To 320, Add</i>	0.28	

09 Finishes
09 90 Painting and Coating
09 84 Acoustic Room Components

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.73
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.24
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.32
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.46
		<i>For >100 To 250, Add</i>	0.22
		<i>For >250 To 500, Add</i>	0.10
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.07
		<i>For >10,000 To 20,000, Deduct</i>	-0.11
		<i>For >20,000, Deduct</i>	-0.15
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.04
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.22
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.35
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.48
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.68
		<i>For >100 To 250, Add</i>	0.32
		<i>For >250 To 500, Add</i>	0.14
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.10
		<i>For >10,000 To 20,000, Deduct</i>	-0.16
		<i>For >20,000, Deduct</i>	-0.21
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	1.49
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Work >15' To 20' Above Floor, Add</i>	0.18
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.64
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.93
		<i>For >100 To 250, Add</i>	0.44
		<i>For >250 To 500, Add</i>	0.19
		<i>For >2,500 To 5,000, Deduct</i>	-0.07
		<i>For >5,000 To 10,000, Deduct</i>	-0.15
		<i>For >10,000 To 20,000, Deduct</i>	-0.22
		<i>For >20,000, Deduct</i>	-0.30
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	0.49
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Work >15' To 20' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.09
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.14
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.28
		<i>For >100 To 250, Add</i>	0.14
		<i>For >250 To 500, Add</i>	0.06
		<i>For >2,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000 To 10,000, Deduct</i>	-0.05
		<i>For >10,000 To 20,000, Deduct</i>	-0.07
		<i>For >20,000, Deduct</i>	-0.10

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	0.81	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.20	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls.....	0.48	
		For Oil Based Paint, Add	0.03	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.13	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.18	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.26	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.10	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls.....	0.49	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.04	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.07	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.10	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.14	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.23	
		For >100 To 250, Add	0.11	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.10	
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls.....	1.03	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	

09 91 13 00-0012 Paint Exterior Concrete Walls (09 91 13 00-0001)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0013	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.62
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.20
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.28
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.39
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.09
		For >20,000, Deduct	-0.12
09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.66
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.09
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.14
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.23
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.31
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.13
09 91 13 00-0015	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.26
		For Oil Based Paint, Add	0.07
		For Epoxy Paint, Add	0.12
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.84
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.25
09 91 13 00-0016	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.51
		For Oil Based Paint, Add	0.03
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.06
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.10
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.16
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.21
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.31
		For >100 To 250, Add	0.15
		For >250 To 500, Add	0.06
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.10
09 91 13 00-0017	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.56
		For Oil Based Paint, Add	0.03
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.07
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.12
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.19
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.26
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.37
		For >100 To 250, Add	0.17
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0018	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.94		
		For Oil Based Paint, Add	0.06		
		For Epoxy Paint, Add	0.10		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.30		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.42		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.60		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.19		
09 91 13 00-0019	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.44		
		For Oil Based Paint, Add	0.03		
		For Epoxy Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.05		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.08		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.12		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.17		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.25		
		For >100 To 250, Add	0.12		
		For >250 To 500, Add	0.05		
		For >2,500 To 5,000, Deduct	-0.02		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 20,000, Deduct	-0.07		
		For >20,000, Deduct	-0.09		
09 91 13 00-0020	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.40		
		For Oil Based Paint, Add	0.03		
		For Epoxy Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.04		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.07		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.11		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.15		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.23		
		For >100 To 250, Add	0.11		
		For >250 To 500, Add	0.05		
		For >2,500 To 5,000, Deduct	-0.02		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 20,000, Deduct	-0.06		
		For >20,000, Deduct	-0.08		
09 91 13 00-0021	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.69		
		For Oil Based Paint, Add	0.05		
		For Epoxy Paint, Add	0.10		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.12		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.18		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.25		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.38		
		For >100 To 250, Add	0.18		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.14		

- 09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)
- 09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0024	SF 1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	0.86	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0025	SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	0.99	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0026	SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.73	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0027	SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.71	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0028	SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.78	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.39	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.53	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.79	
		<i>For >100 To 250, Add</i>	0.38	
		<i>For >250 To 500, Add</i>	0.17	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.14	
		<i>For >10,000 To 20,000, Deduct</i>	-0.21	
		<i>For >20,000, Deduct</i>	-0.28	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.56	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.05	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.08	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.27	
		<i>For >100 To 250, Add</i>	0.13	
		<i>For >250 To 500, Add</i>	0.06	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.08	
		<i>For >20,000, Deduct</i>	-0.11	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.62	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.09	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.15	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.32	
		<i>For >100 To 250, Add</i>	0.15	
		<i>For >250 To 500, Add</i>	0.07	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.09	
		<i>For >20,000, Deduct</i>	-0.12	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.22	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.38	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.60	
		<i>For >100 To 250, Add</i>	0.29	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >2,500 To 5,000, Deduct</i>	-0.06	
		<i>For >5,000 To 10,000, Deduct</i>	-0.12	
		<i>For >10,000 To 20,000, Deduct</i>	-0.18	
		<i>For >20,000, Deduct</i>	-0.24	

09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)

09 91 13 00-0034	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	0.79	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.36	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.51	
		<i>For >100 To 250, Add</i>	0.24	
		<i>For >250 To 500, Add</i>	0.10	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000 To 20,000, Deduct</i>	-0.12	
		<i>For >20,000, Deduct</i>	-0.16	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0035	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	0.93	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0036	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	1.71	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.06	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	
09 91 13 00-0037	SF Texture Coat, Brush Work, Paint Exterior Concrete Block Walls	1.05	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0038	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.63	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.13	
09 91 13 00-0039	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.79	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0040	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.37	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91	13 00-0041	SF	Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.89	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91	13 00-0042	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0043	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.16	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0044	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0045	SF Texture Coat, Sprayed, Paint Exterior Concrete Block Walls .....0.82		
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0046	Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047	SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....0.64		
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0048	SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls .....0.69		
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0049	SF 2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....1.26		
	For Oil Based Paint, Add	0.07	
	For Orange Peel Finish, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
	For Epoxy Paint, Add	0.12	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0050	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.51	
		For Oil Based Paint, Add	0.03	
		For Orange Peel Finish, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.21	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.31	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.10	
		For Epoxy Paint, Add	0.06	
09 91 13 00-0051	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.50	
		For Oil Based Paint, Add	0.03	
		For Orange Peel Finish, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.32	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.10	
		For Epoxy Paint, Add	0.05	
09 91 13 00-0052	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.92	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
		For Epoxy Paint, Add	0.10	
09 91 13 00-0053	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.43	
		For Oil Based Paint, Add	0.03	
		For Work >15' To 20' Above Floor, Add	0.04	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.07	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.12	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.16	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.24	
		For >100 To 250, Add	0.12	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.06	
		For >20,000, Deduct	-0.09	
		For Epoxy Paint, Add	0.06	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0054	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.47	
	For Oil Based Paint, Add	0.03	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.19	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0055	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.76	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
	For Epoxy Paint, Add	0.11	
09 91 13 00-0056	Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0057	Paint Exterior Galvanized Walls (09 91 13 00-0056)		
	Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0058	SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	0.79	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0059	SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	0.87	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0060	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.57	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.31	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0061	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.58	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.11	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.17	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.23	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.34	
				<i>For >100 To 250, Add</i>	0.16	
				<i>For >250 To 500, Add</i>	0.07	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.06	
				<i>For >10,000 To 20,000, Deduct</i>	-0.09	
				<i>For >20,000, Deduct</i>	-0.12	
09 91	13 00-0062	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.67	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.13	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.20	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.28	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.40	
				<i>For >100 To 250, Add</i>	0.19	
				<i>For >250 To 500, Add</i>	0.08	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.07	
				<i>For >10,000 To 20,000, Deduct</i>	-0.10	
				<i>For >20,000, Deduct</i>	-0.13	
09 91	13 00-0063	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.26	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.23	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.37	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.51	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.74	
				<i>For >100 To 250, Add</i>	0.36	
				<i>For >250 To 500, Add</i>	0.16	
				<i>For >2,500 To 5,000, Deduct</i>	-0.06	
				<i>For >5,000 To 10,000, Deduct</i>	-0.13	
				<i>For >10,000 To 20,000, Deduct</i>	-0.19	
				<i>For >20,000, Deduct</i>	-0.25	
09 91	13 00-0064	SF	1	Coat Primer, Sprayed, Paint Exterior Galvanized Walls.....	0.50	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.04	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.07	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.11	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.15	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.24	
				<i>For >100 To 250, Add</i>	0.12	
				<i>For >250 To 500, Add</i>	0.05	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.05	
				<i>For >10,000 To 20,000, Deduct</i>	-0.08	
				<i>For >20,000, Deduct</i>	-0.10	
09 91	13 00-0065	SF	1	Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.65	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.11	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.17	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.23	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.35	
				<i>For >100 To 250, Add</i>	0.17	
				<i>For >250 To 500, Add</i>	0.07	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.07	
				<i>For >10,000 To 20,000, Deduct</i>	-0.10	
				<i>For >20,000, Deduct</i>	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0066	SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.08	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 13 00-0067	Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0056)		
	Note: Alkyd enamel paint.		
09 91 13 00-0068	SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	0.79	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0069	SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	0.87	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0070	SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.56	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 13 00-0071	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.65	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0072	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.73	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 13 00-0073	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.37	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	
09 91 13 00-0074	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.54	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.12	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.17	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	
09 91 13 00-0075	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.65	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.17	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.35	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
09 91 13 00-0076	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.08	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	

09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0078	LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	10.59	
	For Work >15' To 20' Above Floor, Add	1.42	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	2.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	3.78	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	5.20	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	7.26	
	For >100 To 250, Add	3.42	
	For >250 To 500, Add	1.47	
	For >2,500 To 5,000, Deduct	-0.53	
	For >5,000 To 10,000, Deduct	-1.06	
	For >10,000 To 20,000, Deduct	-1.59	
	For >20,000, Deduct	-2.12	
09 91 13 00-0079	LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	11.78	
	For Work >15' To 20' Above Floor, Add	1.58	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	2.63	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	4.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	5.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	8.07	
	For >100 To 250, Add	3.80	
	For >250 To 500, Add	1.64	
	For >2,500 To 5,000, Deduct	-0.59	
	For >5,000 To 10,000, Deduct	-1.18	
	For >10,000 To 20,000, Deduct	-1.77	
	For >20,000, Deduct	-2.36	
09 91 13 00-0080	LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	22.01	
	For Work >15' To 20' Above Floor, Add	2.96	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	4.94	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	7.90	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	10.86	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	15.15	
	For >100 To 250, Add	7.14	
	For >250 To 500, Add	3.07	
	For >2,500 To 5,000, Deduct	-1.10	
	For >5,000 To 10,000, Deduct	-2.20	
	For >10,000 To 20,000, Deduct	-3.30	
	For >20,000, Deduct	-4.40	
09 91 13 00-0081	Paint Exterior Corrugated Metal Walls (09 91 13 00-0056)		
09 91 13 00-0082	SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.61	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.09	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.19	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.30	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0083	SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.82	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0084	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.37	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	

09 91 13 00-0085 Paint Exterior Stucco Walls (09 91 13 00-0001)

09 91 13 00-0086	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.06	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	

09 91 13 00-0087	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.16	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	

09 91 13 00-0088	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.16	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.28	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.46	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.74	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.01	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.43	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.43	

09 91 13 00-0089	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	0.80	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	0.90	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0091	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.67	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0092	SF		1 Coat Primer, Sprayed, Paint Exterior Stucco Walls.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0093	SF		1 Coat Paint, Sprayed, Paint Exterior Stucco Walls.....	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0094	SF		2 Coats Paint, Sprayed, Paint Exterior Stucco Walls.....	1.43	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	

09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)

09 91 13 00-0096 Paint Exterior Smooth Wood Siding (09 91 13 00-0095)

Note: Includes tongue and groove, beveled, drop or board and batten siding.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0097	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding.....	0.77	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.34	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 13 00-0098	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	0.81	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0099	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.45	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.92	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	
09 91 13 00-0100	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.60	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.17	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 13 00-0101	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.66	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	

09 Finishes
09 90 Painting and Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.24	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0103	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.49	
			For Oil Based Paint, Add	0.03	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.12	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0104	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0105	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.98	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0106			Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....	1.19	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	1.20	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	2.21	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.48	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.77	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.06	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.49	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.30	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 91 13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	1.05	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	1.14	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	2.10	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.38	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.60	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.83	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.22	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.42	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0113	SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.77	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 13 00-0114	SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed.....	0.88	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 13 00-0115	SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	1.67	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 13 00-0116	Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91 13 00-0117	SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.66	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 13 00-0118	SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work.....	0.73	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	1.35	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.60	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.17	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.60	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.17	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.12	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.54	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.12	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.17	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0124	SF Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.61	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.12	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.14	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0125	SF Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	1.21	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 13 00-0126	Paint Exterior Ceilings <small>(09 91 13)</small>		
09 91 13 00-0127	Paint Exterior Concrete Ceilings <small>(09 91 13 00-0126)</small>		
09 91 13 00-0128	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.70	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0129	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	0.76	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.35	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0131 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0132 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.59	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0133 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.11	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0134 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.12	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.17	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0135	SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.54	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.33	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 13 00-0136	SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	0.86	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0137	Drywall/Plaster (09 91 13 00-0126)		
09 91 13 00-0138	SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.71	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.10	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0139	SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.76	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.11	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
	For Epoxy Paint, Add	0.07	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0140	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.35	
		For Oil Based Paint, Add	0.08	
		For Orange Peel Finish, Add	0.19	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
		For Epoxy Paint, Add	0.12	
09 91 13 00-0141	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.53	
		For Oil Based Paint, Add	0.03	
		For Orange Peel Finish, Add	0.07	
		For Epoxy Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	
		For Epoxy Paint, Add	0.06	
09 91 13 00-0142	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.59	
		For Oil Based Paint, Add	0.03	
		For Orange Peel Finish, Add	0.08	
		For Epoxy Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.39	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
		For Epoxy Paint, Add	0.06	
09 91 13 00-0143	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.10	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.15	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
		For Epoxy Paint, Add	0.11	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0144	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.45	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.12	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.25	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.05	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0145	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.54	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.33	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0146	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	0.87	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
	For Epoxy Paint, Add	0.11	
09 91 13 00-0147	Paint Exterior Wood Ceilings (09 91 13 00-0126)		
09 91 13 00-0148	Paint Exterior Smooth Wood Ceilings (09 91 13 00-0147)		
09 91 13 00-0149	SF Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.85	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.38	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0150 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.89	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0151 SF Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.63	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.74	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0152 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0153 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.75	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0154 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.33	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.56	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0155	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.56	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 13 00-0156	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.56	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 13 00-0157	SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.01	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0158	Paint Exterior Rough Wood Ceilings <small>(09 91 13 00-0147)</small>		
09 91 13 00-0159	SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	1.28	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	
09 91 13 00-0160	SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.31	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.90	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work		2.29	
	For Oil Based Paint, Add		0.13	
	For Work >15' To 20' Above Floor, Add		0.30	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.50	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.80	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		1.11	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.55	
	For >100 To 250, Add		0.73	
	For >250 To 500, Add		0.32	
	For >2,500 To 5,000, Deduct		-0.11	
	For >5,000 To 10,000, Deduct		-0.23	
	For >10,000 To 20,000, Deduct		-0.34	
	For >20,000, Deduct		-0.46	
09 91 13 00-0162	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work		1.14	
	For Oil Based Paint, Add		0.07	
	For Work >15' To 20' Above Floor, Add		0.13	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.21	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.34	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.46	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.68	
	For >100 To 250, Add		0.32	
	For >250 To 500, Add		0.14	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.11	
	For >10,000 To 20,000, Deduct		-0.17	
	For >20,000, Deduct		-0.23	
09 91 13 00-0163	SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....		1.22	
	For Oil Based Paint, Add		0.08	
	For Work >15' To 20' Above Floor, Add		0.14	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.23	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.37	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.51	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.74	
	For >100 To 250, Add		0.35	
	For >250 To 500, Add		0.15	
	For >2,500 To 5,000, Deduct		-0.06	
	For >5,000 To 10,000, Deduct		-0.12	
	For >10,000 To 20,000, Deduct		-0.18	
	For >20,000, Deduct		-0.24	
09 91 13 00-0164	SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work		2.18	
	For Oil Based Paint, Add		0.14	
	For Work >15' To 20' Above Floor, Add		0.24	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.40	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.63	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.87	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		1.28	
	For >100 To 250, Add		0.61	
	For >250 To 500, Add		0.27	
	For >2,500 To 5,000, Deduct		-0.11	
	For >5,000 To 10,000, Deduct		-0.22	
	For >10,000 To 20,000, Deduct		-0.33	
	For >20,000, Deduct		-0.44	
09 91 13 00-0165	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed		0.88	
	For Oil Based Paint, Add		0.06	
	For Work >15' To 20' Above Floor, Add		0.09	
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add		0.16	
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add		0.25	
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add		0.35	
	Note: Applied only to work area above 40'.			
	For Up To 100, Add		0.51	
	For >100 To 250, Add		0.25	
	For >250 To 500, Add		0.11	
	For >2,500 To 5,000, Deduct		-0.04	
	For >5,000 To 10,000, Deduct		-0.09	
	For >10,000 To 20,000, Deduct		-0.13	
	For >20,000, Deduct		-0.18	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0167	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.78	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.03	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0168			Paint Exterior Metal Ceilings (09 91 13 00-0126)		
09 91 13 00-0169			Paint Exterior Galvanized Ceilings (09 91 13 00-0168)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0170	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.87	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0171	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	0.95	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0172	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.73	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0173	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.66	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.20	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.28	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.40	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
09 91	13 00-0174	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.75	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.15	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.24	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.32	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.47	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.11	
				For >20,000, Deduct	-0.15	
09 91	13 00-0175	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.33	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.25	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.40	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.56	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.81	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	
09 91	13 00-0176	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.65	
				For Work >15' To 20' Above Floor, Add	0.06	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.11	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.17	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.23	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.35	
				For >100 To 250, Add	0.17	
				For >250 To 500, Add	0.07	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
09 91	13 00-0177	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.75	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.21	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.29	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.42	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.11	
				For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0178	SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.18	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 13 00-0179	Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)		
	Note: Alkyd enamel paint.		
09 91 13 00-0180	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.87	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0181	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	0.95	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0182	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.73	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.06	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0183	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.73	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0184	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.82	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0185	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.46	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0186	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.65	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0187	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.65	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0188	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.18	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0168)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0190	SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.71	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0191	SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.82	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0192	SF Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.49	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0193	Paint Exterior Floors <small>(09 91 13)</small>		
09 91 13 00-0194	Paint Exterior Concrete Floors <small>(09 91 13 00-0193)</small>		
09 91 13 00-0195	SF 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.54	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.33	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 13 00-0196	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.59	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0197	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.10	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.11	
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0198 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0199 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.51	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0200 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0201 SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.35	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0202 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0203 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.75	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0204 SF 1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.52	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0205 SF 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	4.53	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.23	
For >5,000 To 10,000, Deduct	-0.45	
For >10,000 To 20,000, Deduct	-0.68	
For >20,000, Deduct	-0.91	
09 91 13 00-0206 Paint Exterior Wood Floors (09 91 13 00-0193).....	0.67	
09 91 13 00-0207 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0208	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.73	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91	13 00-0209	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.37	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91	13 00-0210	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0211	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.66	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0212	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.07	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91	13 00-0213	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.45	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0214	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.56	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91	13 00-0215	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.91	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91	13 00-0216	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.60	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91	13 00-0217	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	4.61	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.23	
			For >5,000 To 10,000, Deduct	-0.46	
			For >10,000 To 20,000, Deduct	-0.69	
			For >20,000, Deduct	-0.92	

09 91 13 00-0218 Paint Exterior Doors And Windows (09 91 13)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0219 Paint Exterior Door Frames (09 91 13 00-0218)

09 91 13 00-0220	LF Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	0.89	-0.23
09 91 13 00-0221	LF Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.15	-0.30
09 91 13 00-0222	LF Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.94	-0.51
09 91 13 00-0223	LF Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	0.90	-0.24
09 91 13 00-0224	LF Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.16	-0.30
09 91 13 00-0225	LF Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.95	-0.51

09 91 13 00-0226 Paint Exterior Metal Doors (09 91 13 00-0218)

09 91 13 00-0227	EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	37.72	3.64 6.07 5.79 -1.89 -3.77 -5.66
09 91 13 00-0228	EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	37.72	3.64 6.07 5.79 -1.89 -3.77 -5.66
09 91 13 00-0229	EA 2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	67.71	6.15 10.25 10.78 -3.39 -6.77 -10.16
09 91 13 00-0230	EA 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	67.68	6.53 10.88 10.39 -3.38 -6.77 -10.15
09 91 13 00-0231	EA 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	67.68	6.53 10.88 10.39 -3.38 -6.77 -10.15
09 91 13 00-0232	EA 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Note: Both faces <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	121.94	11.04 18.41 19.44 -6.10 -12.19 -18.29
09 91 13 00-0233	EA 1 Coat Primer, Sprayed, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	35.12	3.05 5.09 5.73 -1.76 -3.51 -5.27
09 91 13 00-0234	EA 1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	35.12	3.05 5.09 5.73 -1.76 -3.51 -5.27
09 91 13 00-0235	EA 2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: One face <i>For Half Louvered Door, Add</i> <i>For Full Louvered Door, Add</i> <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	63.74	5.15 8.59 10.78 -3.19 -6.37 -9.56

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0236	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door.....	63.05	
			Note: Both faces		
			For Half Louvered Door, Add	5.47	
			For Full Louvered Door, Add	9.12	
			For Electrostatic Painting, Add	10.29	
			For >5 To 10, Deduct	-3.15	
			For >10 To 25, Deduct	-6.31	
			For >25, Deduct	-9.46	
09 91	13 00-0237	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	63.05	
			Note: Both faces		
			For Half Louvered Door, Add	5.47	
			For Full Louvered Door, Add	9.12	
			For Electrostatic Painting, Add	10.29	
			For >5 To 10, Deduct	-3.15	
			For >10 To 25, Deduct	-6.31	
			For >25, Deduct	-9.46	
09 91	13 00-0238	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	114.87	
			Note: Both faces		
			For Half Louvered Door, Add	9.26	
			For Full Louvered Door, Add	15.43	
			For Electrostatic Painting, Add	19.46	
			For >5 To 10, Deduct	-5.74	
			For >10 To 25, Deduct	-11.49	
			For >25, Deduct	-17.23	
09 91	13 00-0239	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	1.89	
			For Electrostatic Painting, Add	0.22	
09 91	13 00-0240	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	1.97	
			For Electrostatic Painting, Add	0.24	
09 91	13 00-0241	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door.....	4.06	
			For Electrostatic Painting, Add	0.49	
09 91	13 00-0242	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.14	
			For Electrostatic Painting, Add	0.25	
09 91	13 00-0243	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	2.22	
			For Electrostatic Painting, Add	0.27	
09 91	13 00-0244	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	4.32	
			For Electrostatic Painting, Add	0.52	
09 91 13 00-0245 Paint Exterior Wood Doors (09 91 13 00-0218)					
09 91	13 00-0246	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	35.20	
			Note: One face		
			For Half Louvered Door, Add	3.64	
			For Full Louvered Door, Add	6.07	
			For >5 To 10, Deduct	-1.76	
			For >10 To 25, Deduct	-3.52	
			For >25, Deduct	-5.28	
09 91	13 00-0247	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	35.20	
			Note: One face		
			For Half Louvered Door, Add	3.64	
			For Full Louvered Door, Add	6.07	
			For >5 To 10, Deduct	-1.76	
			For >10 To 25, Deduct	-3.52	
			For >25, Deduct	-5.28	
09 91	13 00-0248	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....	62.70	
			Note: One face		
			For Half Louvered Door, Add	6.15	
			For Full Louvered Door, Add	10.25	
			For >5 To 10, Deduct	-3.14	
			For >10 To 25, Deduct	-6.27	
			For >25, Deduct	-9.41	
09 91	13 00-0249	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door.....	63.15	
			Note: Both faces		
			For Half Louvered Door, Add	6.53	
			For Full Louvered Door, Add	10.88	
			For >5 To 10, Deduct	-3.16	
			For >10 To 25, Deduct	-6.32	
			For >25, Deduct	-9.47	
09 91	13 00-0250	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	63.15	
			Note: Both faces		
			For Half Louvered Door, Add	6.53	
			For Full Louvered Door, Add	10.88	
			For >5 To 10, Deduct	-3.16	
			For >10 To 25, Deduct	-6.32	
			For >25, Deduct	-9.47	
09 91	13 00-0251	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....	112.87	
			Note: Both faces		
			For Half Louvered Door, Add	11.04	
			For Full Louvered Door, Add	18.41	
			For >5 To 10, Deduct	-5.64	
			For >10 To 25, Deduct	-11.29	
			For >25, Deduct	-16.93	
09 91	13 00-0252	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	32.35	
			Note: One face		
			For Half Louvered Door, Add	3.05	
			For Full Louvered Door, Add	5.09	
			For >5 To 10, Deduct	-1.62	
			For >10 To 25, Deduct	-3.24	
			For >25, Deduct	-4.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0253 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door	32.35	
Note: One face		
For Half Louvered Door, Add	3.05	
For Full Louvered Door, Add	5.09	
For >5 To 10, Deduct	-1.62	
For >10 To 25, Deduct	-3.24	
For >25, Deduct	-4.85	
09 91 13 00-0254 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door	58.25	
Note: One face		
For Half Louvered Door, Add	5.16	
For Full Louvered Door, Add	8.60	
For >5 To 10, Deduct	-2.91	
For >10 To 25, Deduct	-5.83	
For >25, Deduct	-8.74	
09 91 13 00-0255 EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door.....	58.06	
Note: Both faces		
For Half Louvered Door, Add	5.47	
For Full Louvered Door, Add	9.12	
For >5 To 10, Deduct	-2.90	
For >10 To 25, Deduct	-5.81	
For >25, Deduct	-8.71	
09 91 13 00-0256 EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door	58.06	
Note: Both faces		
For Half Louvered Door, Add	5.47	
For Full Louvered Door, Add	9.12	
For >5 To 10, Deduct	-2.90	
For >10 To 25, Deduct	-5.81	
For >25, Deduct	-8.71	
09 91 13 00-0257 EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door	104.89	
Note: Both faces		
For Half Louvered Door, Add	9.26	
For Full Louvered Door, Add	15.43	
For >5 To 10, Deduct	-5.24	
For >10 To 25, Deduct	-10.49	
For >25, Deduct	-15.73	
09 91 13 00-0258 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.85	
09 91 13 00-0259 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	1.91	
09 91 13 00-0260 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.95	
09 91 13 00-0261 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.09	
09 91 13 00-0262 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.16	
09 91 13 00-0263 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door.....	4.20	
09 91 13 00-0264 Paint Exterior Metal Windows <small>(09 91 13 00-0218)</small>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0265 EA Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim	63.34	
For Electrostatic Painting, Add	7.67	
For >5 To 10, Deduct	-3.17	
For >10 To 25, Deduct	-6.33	
For >25, Deduct	-9.50	
09 91 13 00-0266 EA >8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	76.57	
For Electrostatic Painting, Add	9.73	
For >5 To 10, Deduct	-3.83	
For >10 To 25, Deduct	-7.66	
For >25, Deduct	-11.49	
09 91 13 00-0267 EA >14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	103.30	
For Electrostatic Painting, Add	13.27	
For >5 To 10, Deduct	-5.17	
For >10 To 25, Deduct	-10.33	
For >25, Deduct	-15.50	
09 91 13 00-0268 EA >20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	116.32	
For Electrostatic Painting, Add	14.95	
For >5 To 10, Deduct	-5.82	
For >10 To 25, Deduct	-11.63	
For >25, Deduct	-17.45	
09 91 13 00-0269 EA >26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim.....	129.00	
For Electrostatic Painting, Add	16.55	
For >5 To 10, Deduct	-6.45	
For >10 To 25, Deduct	-12.90	
For >25, Deduct	-19.35	
09 91 13 00-0270 SF >34 SF Window Size, Paint Exterior Metal Window Including Trim.....	4.09	
For Electrostatic Painting, Add	0.52	
09 91 13 00-0271 Paint Exterior Wood Windows <small>(09 91 13 00-0218)</small>		
Note: Two finish coats paint over primer.		
09 91 13 00-0272 EA Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim.....	61.66	
For >5 To 10, Deduct	-3.08	
For >10 To 25, Deduct	-6.17	
For >25, Deduct	-9.25	
09 91 13 00-0273 EA >8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim	73.98	
For >5 To 10, Deduct	-3.70	
For >10 To 25, Deduct	-7.40	
For >25, Deduct	-11.10	
09 91 13 00-0274 EA >14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim	99.62	
For >5 To 10, Deduct	-4.98	
For >10 To 25, Deduct	-9.96	
For >25, Deduct	-14.94	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0275	EA	>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim.....	112.17	
			<i>For >5 To 10, Deduct</i>	-5.61	
			<i>For >10 To 25, Deduct</i>	-11.22	
			<i>For >25, Deduct</i>	-16.83	
09 91	13 00-0276	EA	>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim.....	124.43	
			<i>For >5 To 10, Deduct</i>	-6.22	
			<i>For >10 To 25, Deduct</i>	-12.44	
			<i>For >25, Deduct</i>	-18.66	
09 91	13 00-0277	SF	>34 SF Window Size, Paint Exterior Wood Window Including Trim.....	4.16	
09 91	13 00-0278		Paint Exterior Security Screens (09 91 13 00-0218)		
09 91	13 00-0279	SF	Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work.....	1.14	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91	13 00-0280	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.17	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91	13 00-0281	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.94	
			<i>For Electrostatic Painting, Add</i>	0.23	
09 91	13 00-0282		Paint Exterior Window Guards (09 91 13 00-0218)		
09 91	13 00-0283	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	1.14	
09 91	13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.17	
09 91	13 00-0285	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.94	
09 91	13 00-0286		Paint Exterior Window Trim (09 91 13 00-0218)		
09 91	13 00-0287	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.03	
09 91	13 00-0288	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.03	
09 91	13 00-0289	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim.....	1.64	
09 91	13 00-0290	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.16	
09 91	13 00-0291	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.16	
09 91	13 00-0292	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	1.90	
09 91	13 00-0293		Paint Roofing And Trim (09 91 13)		
09 91	13 00-0294		Paint Stain Or Seal Wood Roofing (09 91 13 00-0293)		
09 91	13 00-0295	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work.....	1.42	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
09 91	13 00-0296	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work.....	2.60	
			<i>For Up To 100, Add</i>	1.40	
			<i>For >100 To 250, Add</i>	0.68	
			<i>For >250 To 500, Add</i>	0.30	
09 91	13 00-0297		Paint Metal Roofing (09 91 13 00-0293)		
09 91	13 00-0298	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work.....	0.63	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0299	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work.....	1.10	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
09 91	13 00-0300		Paint Fascia Board (09 91 13 00-0293)		
09 91	13 00-0301	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work.....	0.58	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0302	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....	0.58	
			<i>For Up To 100, Add</i>	0.31	
			<i>For >100 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0303	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work.....	1.02	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
09 91	13 00-0304		Paint Soffit (09 91 13 00-0293)		
09 91	13 00-0305	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work.....	0.67	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0306	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work.....	0.67	
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0307	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work.....	1.15	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0308		Paint Site Work <small>(09 91 13)</small> Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0309		Paint Structural Steel <small>(09 91 13 00-0308)</small>		
09 91 13 00-0310		Paint Structural Steel, Brush Work <small>(09 91 13 00-0309)</small>		
09 91 13 00-0311	SF	1 Field Coat Primer, Brush/Roller Work, Paint Structural Steel	0.79	
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For Epoxy Paint, Add	0.08	
09 91 13 00-0312	SF	1 Field Coat Paint, Brush/Roller Work, Paint Structural Steel	0.69	
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For Epoxy Paint, Add	0.07	
09 91 13 00-0313		Paint Structural Steel, Spray Work <small>(09 91 13 00-0309)</small>		
09 91 13 00-0314	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.56	
		For Electrostatic Painting, Add	0.08	
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For Epoxy Paint, Add	0.07	
09 91 13 00-0315	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.46	
		For Electrostatic Painting, Add	0.07	
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For Epoxy Paint, Add	0.06	
09 91 13 00-0316		Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0309)</small>		
09 91 13 00-0317	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.64	
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For Epoxy Paint, Add	0.07	
09 91 13 00-0318	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.64	
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For Epoxy Paint, Add	0.07	
09 91 13 00-0319	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.06	
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.13	
		For Epoxy Paint, Add	0.13	
09 91 13 00-0320	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	0.89	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For Epoxy Paint, Add	0.12	
09 91 13 00-0321	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	0.87	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For Epoxy Paint, Add	0.11	
09 91 13 00-0322	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.64	
		For Up To 100, Add	0.97	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.20	
		For Epoxy Paint, Add	0.21	
09 91 13 00-0323	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	0.77	
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For Epoxy Paint, Add	0.10	
09 91 13 00-0324	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	0.77	
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For Epoxy Paint, Add	0.10	
09 91 13 00-0325	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.30	
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For Epoxy Paint, Add	0.18	
09 91 13 00-0326		Paint Steel Pipes <small>(09 91 13 00-0308)</small> Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0327	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.25	
		For Electrostatic Painting, Add	0.16	
		For Epoxy Paint, Add	0.12	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0328	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	1.39	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0329	LF	Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.56	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0330	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	1.95	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91	13 00-0331	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.48	
			<i>For Electrostatic Painting, Add</i>	0.31	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0332	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint	1.25	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91	13 00-0333	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.39	
			<i>For Electrostatic Painting, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0334	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.56	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0335	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	1.95	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91	13 00-0336	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	2.48	
			<i>For Electrostatic Painting, Add</i>	0.31	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0337	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.51	
			<i>For Electrostatic Painting, Add</i>	0.33	
			<i>For Epoxy Paint, Add</i>	0.28	
09 91	13 00-0338	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	2.77	
			<i>For Electrostatic Painting, Add</i>	0.34	
			<i>For Epoxy Paint, Add</i>	0.27	
09 91	13 00-0339	LF	Paint Steel Pipes 4" Diameter, 2 Coats.....	3.00	
			<i>For Electrostatic Painting, Add</i>	0.38	
			<i>For Epoxy Paint, Add</i>	0.30	
09 91	13 00-0340	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	3.80	
			<i>For Electrostatic Painting, Add</i>	0.47	
			<i>For Epoxy Paint, Add</i>	0.38	
09 91	13 00-0341	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	4.67	
			<i>For Electrostatic Painting, Add</i>	0.59	
			<i>For Epoxy Paint, Add</i>	0.47	
09 91	13 00-0342	EA	Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint	6.22	
			<i>For Electrostatic Painting, Add</i>	0.65	
			<i>For Epoxy Paint, Add</i>	0.37	
09 91	13 00-0343		Paint Fencing <small>(09 91 13 00-0308)</small>		
			Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91	13 00-0344	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.62	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.40	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
09 91	13 00-0345	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.16	
			<i>For Epoxy Paint, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.73	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
09 91	13 00-0346	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.56	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0347	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.05	
			<i>For Epoxy Paint, Add</i>	0.14	
			<i>For Electrostatic Painting, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
09 91	13 00-0348	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.56	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0349	SF	1 Coat, Brush/Roller, Paint Wrought Iron Fence.....	0.53	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0350	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.37	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.21	
			<i>For >100 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.04	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91	13 00-0351	SF	1	Coat Primer, Brush/Roller, Paint Picket Fence	0.74	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.10	
09 91	13 00-0352	SF	1	Coat, Brush/Roller, Paint Picket Fence	0.74	
				For Epoxy Paint, Add	0.06	
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.10	
09 91	13 00-0353	SF		Each Additional Coat, Brush/Roller, Paint Picket Fence	0.52	
				For Epoxy Paint, Add	0.05	
				For Up To 100, Add	0.35	
				For >100 To 250, Add	0.16	
				For >250 To 500, Add	0.07	
09 91	13 00-0354	SF	1	Coat, Brush/Roller, Paint Wood Fences	0.54	
				For Up To 100, Add	0.33	
				For >100 To 250, Add	0.16	
				For >250 To 500, Add	0.07	
09 91	13 00-0355	SF	2	Coats, Brush/Roller, Paint Wood Fences	0.95	
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
09 91	13 00-0356	SF	1	Coat, Sprayed, Paint Wood Fences	0.43	
				For Up To 100, Add	0.25	
				For >100 To 250, Add	0.12	
				For >250 To 500, Add	0.05	
09 91	13 00-0357	SF	2	Coats, Sprayed, Paint Wood Fences	0.80	
				For Up To 100, Add	0.46	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
09 91 13 00-0358 Paint Metal Louvers <small>(09 91 13 00-0308)</small>						
09 91	13 00-0359	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.11	
				For Electrostatic Painting, Add	0.13	
09 91	13 00-0360	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.12	
				For Electrostatic Painting, Add	0.13	
09 91	13 00-0361	SF		Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.29	
				For Electrostatic Painting, Add	0.27	
09 91 13 00-0362 Paint Ladders <small>(09 91 13 00-0308)</small>						
09 91	13 00-0363	LF		Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.07	
				For Epoxy Paint, Add	0.18	
09 91	13 00-0364	LF		Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.43	
				For Epoxy Paint, Add	0.20	
09 91	13 00-0365	LF		Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	6.76	
				For Epoxy Paint, Add	0.38	
09 91 13 00-0366 Paint Handrails <small>(09 91 13 00-0308)</small>						
09 91	13 00-0367	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.21	
				For Epoxy Paint, Add	0.09	
09 91	13 00-0368	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.35	
				For Epoxy Paint, Add	0.10	
09 91	13 00-0369	LF		Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.23	
				For Epoxy Paint, Add	0.14	
09 91	13 00-0370	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	2.15	
				For Epoxy Paint, Add	0.25	
09 91	13 00-0371	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.36	
				For Epoxy Paint, Add	0.26	
09 91	13 00-0372	LF		Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	4.07	
				For Epoxy Paint, Add	0.41	
09 91	13 00-0373	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.32	
				For Epoxy Paint, Add	0.25	
09 91	13 00-0374	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.56	
				For Epoxy Paint, Add	0.27	
09 91	13 00-0375	LF		Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.32	
				For Epoxy Paint, Add	0.42	
09 91	13 00-0376	LF		Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.30	
				For Epoxy Paint, Add	0.13	
09 91	13 00-0377	LF		Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.44	
				For Epoxy Paint, Add	0.14	
09 91	13 00-0378	LF		Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.61	
				For Epoxy Paint, Add	0.27	
09 91 13 00-0379 Paint Grating <small>(09 91 13 00-0308)</small>						
09 91	13 00-0380	SF		Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.23	
				For Epoxy Paint, Add	0.14	
09 91	13 00-0381	SF		Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.26	
				For Epoxy Paint, Add	0.15	
09 91	13 00-0382	SF		Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.37	
				For Epoxy Paint, Add	0.25	
09 91 13 00-0383 Paint Fire Escape Components <small>(09 91 13 00-0308)</small>						

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0384	Paint Fire Escape Ladders (09 91 13 00-0383) Note: Includes hand rails.		
09 91 13 00-0385	Paint Fire Escape Ladders, Spray Work (09 91 13 00-0384)		
09 91 13 00-0386	LF Paint Fire Escape Ladders, 1 Coat Primer, Sprayed	2.27	
	For Up To 100, Add	1.64	
	For >100 To 250, Add	0.77	
	For >250 To 500, Add	0.33	
	For Epoxy Paint, Add	0.14	
	For Electrostatic Painting, Add	0.24	
	For Epoxy Paint, Add	0.14	
09 91 13 00-0387	LF Paint Fire Escape Ladders, 1 Coat Paint, Sprayed	2.54	
	For Up To 100, Add	1.85	
	For >100 To 250, Add	0.86	
	For >250 To 500, Add	0.37	
	For Epoxy Paint, Add	0.16	
	For Electrostatic Painting, Add	0.27	
	For Epoxy Paint, Add	0.16	
09 91 13 00-0388	LF Paint Fire Escape Ladders, 2 Coats Paint, Sprayed	4.98	
	For Up To 100, Add	3.66	
	For >100 To 250, Add	1.71	
	For >250 To 500, Add	0.73	
	For Epoxy Paint, Add	0.29	
	For Electrostatic Painting, Add	0.52	
	For Epoxy Paint, Add	0.29	
09 91 13 00-0389	Paint Fire Escape Ladders, Brush Work (09 91 13 00-0384)		
09 91 13 00-0390	LF Paint Fire Escape Ladders, 1 Coat Primer, Brush/Roller Work	3.07	
	For Up To 100, Add	2.24	
	For >100 To 250, Add	1.05	
	For >250 To 500, Add	0.45	
	For Epoxy Paint, Add	0.18	
	For Epoxy Paint, Add	0.18	
09 91 13 00-0391	LF Paint Fire Escape Ladders, 1 Coat Paint, Brush/Roller Work	3.43	
	For Up To 100, Add	2.51	
	For >100 To 250, Add	1.18	
	For >250 To 500, Add	0.50	
	For Epoxy Paint, Add	0.20	
	For Epoxy Paint, Add	0.20	
09 91 13 00-0392	LF Paint Fire Escape Ladders, 2 Coats Paint, Brush/Roller Work	6.76	
	For Up To 100, Add	4.99	
	For >100 To 250, Add	2.33	
	For >250 To 500, Add	1.00	
	For Epoxy Paint, Add	0.38	
	For Epoxy Paint, Add	0.38	
09 91 13 00-0393	Paint Fire Escape Landings (09 91 13 00-0383) Note: Includes the top of the landing and support brackets. Double the SF for the bottom of the landing.		
09 91 13 00-0394	Paint Fire Escape Landings, Spray Work (09 91 13 00-0383)		
09 91 13 00-0395	SF Paint Fire Escape Landings, 1 Coat Primer, Sprayed	1.66	
	For Up To 100, Add	1.19	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For Epoxy Paint, Add	0.11	
	For Electrostatic Painting, Add	0.18	
	For Epoxy Paint, Add	0.11	
09 91 13 00-0396	SF Paint Fire Escape Landings, 1 Coat Paint, Sprayed	1.69	
	For Up To 100, Add	1.19	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For Epoxy Paint, Add	0.12	
	For Electrostatic Painting, Add	0.19	
	For Epoxy Paint, Add	0.12	
09 91 13 00-0397	SF Paint Fire Escape Landings, 2 Coats Paint, Sprayed	2.54	
	For Up To 100, Add	1.75	
	For >100 To 250, Add	0.82	
	For >250 To 500, Add	0.36	
	For Epoxy Paint, Add	0.21	
	For Electrostatic Painting, Add	0.29	
	For Epoxy Paint, Add	0.21	
09 91 13 00-0398	Paint Fire Escape Landings, Brush Work (09 91 13 00-0393)		
09 91 13 00-0399	SF Paint Fire Escape Landings, 1 Coat Primer, Brush/Roller Work	2.23	
	For Up To 100, Add	1.61	
	For >100 To 250, Add	0.76	
	For >250 To 500, Add	0.32	
	For Epoxy Paint, Add	0.14	
	For Epoxy Paint, Add	0.14	
09 91 13 00-0400	SF Paint Fire Escape Landings, 1 Coat Paint, Brush/Roller Work	2.26	
	For Up To 100, Add	1.62	
	For >100 To 250, Add	0.76	
	For >250 To 500, Add	0.33	
	For Epoxy Paint, Add	0.15	
	For Epoxy Paint, Add	0.15	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0401	SF	Paint Fire Escape Landings, 2 Coats Paint, Brush/Roller Work.....	3.37	
		For Up To 100, Add	2.37	
		For >100 To 250, Add	1.11	
		For >250 To 500, Add	0.48	
		For Epoxy Paint, Add	0.25	
		For Epoxy Paint, Add	0.25	
09 91 13 00-0402		Paint Fire Escape Stairs <small>(09 91 13 00-0383)</small>		
09 91 13 00-0403		Paint Fire Escape Stairs, Spray Work <small>(09 91 13 00-0402)</small>		
09 91 13 00-0404	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Sprayed.....	5.22	
		For Up To 100, Add	3.62	
		For >100 To 250, Add	1.70	
		For >250 To 500, Add	0.73	
		For Epoxy Paint, Add	0.41	
		For Electrostatic Painting, Add	0.60	
		For Epoxy Paint, Add	0.41	
09 91 13 00-0405	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Sprayed.....	5.22	
		For Up To 100, Add	3.62	
		For >100 To 250, Add	1.70	
		For >250 To 500, Add	0.73	
		For Epoxy Paint, Add	0.41	
		For Electrostatic Painting, Add	0.60	
		For Epoxy Paint, Add	0.41	
09 91 13 00-0406	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Sprayed.....	10.42	
		For Up To 100, Add	7.23	
		For >100 To 250, Add	3.40	
		For >250 To 500, Add	1.47	
		For Epoxy Paint, Add	0.81	
		For Electrostatic Painting, Add	1.19	
		For Epoxy Paint, Add	0.81	
09 91 13 00-0407		Paint Fire Escape Stairs, Brush Work <small>(09 91 13 00-0402)</small>		
09 91 13 00-0408	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Brush/Roller Work.....	6.95	
		For Up To 100, Add	4.92	
		For >100 To 250, Add	2.31	
		For >250 To 500, Add	0.99	
		For Epoxy Paint, Add	0.49	
		For Epoxy Paint, Add	0.49	
09 91 13 00-0409	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Brush/Roller Work.....	6.95	
		For Up To 100, Add	4.92	
		For >100 To 250, Add	2.31	
		For >250 To 500, Add	0.99	
		For Epoxy Paint, Add	0.49	
		For Epoxy Paint, Add	0.49	
09 91 13 00-0410	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Brush/Roller Work.....	13.89	
		For Up To 100, Add	9.84	
		For >100 To 250, Add	4.62	
		For >250 To 500, Add	1.99	
		For Epoxy Paint, Add	0.99	
		For Epoxy Paint, Add	0.99	
09 91 13 00-0411		Paint Fire Escape Railings <small>(09 91 13 00-0383)</small>		
		Note: Includes top and bottom rails and vertical bars.		
09 91 13 00-0412		Paint Fire Escape Railings, Spray Work <small>(09 91 13 00-0411)</small>		
09 91 13 00-0413	LF	Paint Fire Escape Railings, 1 Coat Primer, Sprayed.....	1.50	
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	
		For Epoxy Paint, Add	0.11	
		For Electrostatic Painting, Add	0.17	
		For Epoxy Paint, Add	0.11	
09 91 13 00-0414	LF	Paint Fire Escape Railings, 1 Coat Paint, Sprayed.....	1.66	
		For Up To 100, Add	1.17	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For Epoxy Paint, Add	0.12	
		For Electrostatic Painting, Add	0.19	
		For Epoxy Paint, Add	0.12	
09 91 13 00-0415	LF	Paint Fire Escape Railings, 2 Coats Paint, Sprayed.....	2.86	
		For Up To 100, Add	2.03	
		For >100 To 250, Add	0.95	
		For >250 To 500, Add	0.41	
		For Epoxy Paint, Add	0.20	
		For Electrostatic Painting, Add	0.32	
		For Epoxy Paint, Add	0.20	
09 91 13 00-0416		Paint Fire Escape Railings, Brush Work <small>(09 91 13 00-0411)</small>		
09 91 13 00-0417	LF	Paint Fire Escape Railings, 1 Coat Primer, Brush/Roller Work.....	1.99	
		For Up To 100, Add	1.41	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
		For Epoxy Paint, Add	0.14	
		For Epoxy Paint, Add	0.14	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0418	LF		Paint Fire Escape Railings, 1 Coat Paint, Brush/Roller Work	2.23	
			<i>For Up To 100, Add</i>	1.59	
			<i>For >100 To 250, Add</i>	0.75	
			<i>For >250 To 500, Add</i>	0.32	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0419	LF		Paint Fire Escape Railings, 2 Coats Paint, Brush/Roller Work	3.83	
			<i>For Up To 100, Add</i>	2.75	
			<i>For >100 To 250, Add</i>	1.29	
			<i>For >250 To 500, Add</i>	0.55	
			<i>For Epoxy Paint, Add</i>	0.25	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0420			Other Site Work Painting (09 91 13 00-0308)		
09 91 13 00-0421			Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0420)		
09 91 13 00-0422	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work	2.41	
09 91 13 00-0423	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	2.42	
09 91 13 00-0424	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	4.29	
09 91 13 00-0425	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed	1.44	
09 91 13 00-0426	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	1.45	
09 91 13 00-0427	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed	2.65	
09 91 13 00-0428			Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0420)		
09 91 13 00-0429	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work	2.99	
09 91 13 00-0430	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	3.00	
09 91 13 00-0431	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	5.31	
09 91 13 00-0432	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed	1.75	
09 91 13 00-0433	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	1.76	
09 91 13 00-0434	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed	3.23	
09 91 13 00-0435			Paint Flagpoles (09 91 13 00-0420)		
09 91 13 00-0436	EA		Paint Steel Flagpole, 20' High, 1 Coat Paint	164.52	
09 91 13 00-0437	EA		Paint Steel Flagpole, 30' High, 1 Coat Paint	221.33	
09 91 13 00-0438	EA		Paint Steel Flagpole, 40' High, 1 Coat Paint	278.16	
09 91 13 00-0439	EA		Paint Steel Flagpole, 50' High, 1 Coat Paint	335.01	
09 91 13 00-0440	EA		Paint Steel Flagpole, 70' High, 1 Coat Paint	451.56	
09 91 13 00-0441	EA		Paint Steel Flagpole, 80' High, 1 Coat Paint	508.76	
09 91 13 00-0442	EA		Paint Steel Flagpole, 90' High, 1 Coat Paint	565.98	
09 91 13 00-0443			Paint Lattice Or Trellis (09 91 13 00-0420)		
09 91 13 00-0444	SF		Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.13	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
09 91 13 00-0445	SF		Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	2.09	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 250, Add</i>	0.67	
			<i>For >250 To 500, Add</i>	0.29	
09 91 13 00-0446			Paint Exterior Stairs (09 91 13)		
09 91 13 00-0447			Paint Exterior Concrete Stairs (09 91 13 00-0446)		
09 91 13 00-0448	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	13.31	
09 91 13 00-0449	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	13.31	
09 91 13 00-0450	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	17.52	
09 91 13 00-0451	RSR		Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	29.54	
09 91 13 00-0452	RSR		Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	26.62	
09 91 13 00-0453			Paint Exterior Metal Stairs (09 91 13 00-0446)		
09 91 13 00-0454	RSR		Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.95	
			<i>For Oil Based Paint, Add</i>	0.37	
09 91 13 00-0455	RSR		Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.95	
			<i>For Oil Based Paint, Add</i>	0.37	
09 91 13 00-0456	RSR		Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.89	
			<i>For Oil Based Paint, Add</i>	0.74	
09 91 13 00-0457			Paint Exterior Wood Stairs (09 91 13 00-0446)		
09 91 13 00-0458	RSR		Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.85	
09 91 13 00-0459	RSR		Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.85	
09 91 13 00-0460	RSR		Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.06	
09 91 13 00-0461	RSR		Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	23.08	
09 91 13 00-0462	RSR		Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.70	
09 91 13 00-0463			Paint Exterior Stair Nosing (09 91 13 00-0446)		
09 91 13 00-0464	LF		Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.22	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0465	Paint Exterior Trim (09 91 13)		
09 91 13 00-0466	Paint Exterior Metal Trim And Gutters (09 91 13 00-0465)		
09 91 13 00-0467	SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	0.97	
09 91 13 00-0468	SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	0.97	
09 91 13 00-0469	SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	1.75	
09 91 13 00-0470	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Trim.....	0.79	
09 91 13 00-0471	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Trim.....	0.88	
09 91 13 00-0472	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Trim.....	1.57	
09 91 13 00-0473	LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.40	
09 91 13 00-0474	LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.83	
09 91 13 00-0475	Paint Exterior Wood Trim (09 91 13 00-0465)		
09 91 13 00-0476	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....	1.21	
	<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0477	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	1.31	
	<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0478	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	2.37	
	<i>For Oil Based Paint, Add</i>	0.14	
09 91 13 00-0479	SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.95	
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0480	SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....	1.06	
	<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0481	SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	1.97	
	<i>For Oil Based Paint, Add</i>	0.12	
09 91 13 00-0482	Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0483	SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.05	
	<i>For Epoxy Paint, Add</i>	0.11	
	<i>For Electrostatic Painting, Add</i>	0.14	
09 91 13 00-0484	SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.98	
	<i>For Epoxy Paint, Add</i>	0.09	
	<i>For Electrostatic Painting, Add</i>	0.12	
09 91 13 00-0485	SF Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	1.98	
	<i>For Epoxy Paint, Add</i>	0.18	
	<i>For Electrostatic Painting, Add</i>	0.24	

09 91 23 Interior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 23 00-0001	Paint Interior Walls (09 91 23)		
09 91 23 00-0002	Paint Interior Brick Walls (09 91 23 00-0001)		
09 91 23 00-0003	SF 1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	0.79	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.36	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.51	
	<i>For >100 To 250, Add</i>	0.24	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.08	
	<i>For >10,000 To 20,000, Deduct</i>	-0.12	
	<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0004	SF 1 Coat Paint, Brush Work, Paint Interior Brick Walls.....	0.91	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.41	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.59	
	<i>For >100 To 250, Add</i>	0.28	
	<i>For >250 To 500, Add</i>	0.12	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.18	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0005	SF 2 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.62	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.02	
	For >100 To 250, Add	0.49	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 23 00-0006	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls.....	0.65	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.28	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0007	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls.....	0.80	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0008	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls.....	1.37	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.55	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.27	
09 91 23 00-0009	SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls.....	0.58	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0010	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls.....	0.65		
		For Oil Based Paint, Add	0.04		
		For Work >15' To 20' Above Floor, Add	0.06		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.17		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.23		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.35		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.07		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.13		
09 91 23 00-0011	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls.....	1.11		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.60		
		For >100 To 250, Add	0.29		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.22		
09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls.....	0.81		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.16		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.26		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.36		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.51		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	0.67		
		For Work >15' To 20' Above Floor, Add	0.08		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.13		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.20		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.28		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.41		
		For >100 To 250, Add	0.19		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.13		
09 91 23 00-0014	SF	1 Coat Bonding Agent, Spray, Paint Interior Brick Walls.....	0.61		
		For Work >15' To 20' Above Floor, Add	0.06		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.17		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.23		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.34		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.07		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 20,000, Deduct	-0.09		
		For >20,000, Deduct	-0.12		

09 91 23 00-0015 Paint Interior Concrete Walls (09 91 23 00-0001)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0016	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.68
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.14
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.22
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.31
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.10
		For >20,000, Deduct	-0.14
09 91 23 00-0017	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	0.73
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.16
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.26
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.35
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.49
		For >100 To 250, Add	0.23
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15
09 91 23 00-0018	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.36
		For Oil Based Paint, Add	0.08
		For Epoxy Paint, Add	0.12
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.30
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.48
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.65
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.92
		For >100 To 250, Add	0.43
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.27
09 91 23 00-0019	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.55
		For Oil Based Paint, Add	0.03
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.06
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.11
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.17
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.24
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.34
		For >100 To 250, Add	0.16
		For >250 To 500, Add	0.07
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.08
		For >20,000, Deduct	-0.11
09 91 23 00-0020	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	0.61
		For Oil Based Paint, Add	0.04
		For Epoxy Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.21
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.29
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.40
		For >100 To 250, Add	0.19
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.03
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000 To 20,000, Deduct	-0.09
		For >20,000, Deduct	-0.12

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0021	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.12	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0022	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.47	
		For Oil Based Paint, Add	0.03	
		For Epoxy Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.13	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.18	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.06	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.07	
		For >20,000, Deduct	-0.09	
09 91 23 00-0023	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.54	
		For Oil Based Paint, Add	0.03	
		For Epoxy Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.17	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 20,000, Deduct	-0.08	
		For >20,000, Deduct	-0.11	
09 91 23 00-0024	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	0.86	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0025	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	0.70	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0026	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls .....0.57		
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.11	
09 91 23 00-0027	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls .....0.49		
	For Work >15' To 20' Above Floor, Add	0.05	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.08	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.13	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.27	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.10	
09 91 23 00-0028	Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0029	Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)		
09 91 23 00-0030	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....0.93		
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0031	SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls .....1.08		
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 23 00-0032	SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....1.93		
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.20	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0033	SF	1	Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.76	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0034	SF	1	Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.85	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0035	SF	2	Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.59	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.64	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 250, Add</i>	0.45	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.16	
			<i>For >10,000 To 20,000, Deduct</i>	-0.24	
			<i>For >20,000, Deduct</i>	-0.32	
09 91 23 00-0036	SF	1	Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.63	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.32	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0037	SF	1	Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.77	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.43	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.15	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0038	SF 2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.40	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0039	Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)		
09 91 23 00-0040	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls.....	0.86	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 23 00-0041	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.02	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0042	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls.....	1.86	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.82	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.37	
09 91 23 00-0043	SF Texture Coat, Brush Work, Paint Interior Concrete Block Walls	1.14	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.73	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0045 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.86	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0046 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.54	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 23 00-0047 SF Texture Coat, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.97	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0048 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.66	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0049	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	0.75	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0050	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.07	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0051	SF Texture Coat, Sprayed, Paint Interior Concrete Block Walls.....	0.88	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0052	Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)		
09 91 23 00-0053	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	0.88	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0054	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	0.75	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0055	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls.....	0.70		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.07		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.12		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.19		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.26		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.39		
		<i>For >100 To 250, Add</i>	0.19		
		<i>For >250 To 500, Add</i>	0.08		
		<i>For >2,500 To 5,000, Deduct</i>	-0.04		
		<i>For >5,000 To 10,000, Deduct</i>	-0.07		
		<i>For >10,000 To 20,000, Deduct</i>	-0.11		
		<i>For >20,000, Deduct</i>	-0.14		

09 91 23 00-0056 **Paint Interior Plaster/Drywall Walls** (09 91 23 00-0001)

09 91 23 00-0057 **Paint Interior Plaster/Drywall Walls** (09 91 23 00-0056)

09 91 23 00-0058	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.71		
		<i>For Oil Based Paint, Add</i>	0.04		
		<i>For Orange Peel Finish, Add</i>	0.10		
		<i>For Epoxy Paint, Add</i>	0.07		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.15		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.24		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.32		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.46		
		<i>For >100 To 250, Add</i>	0.22		
		<i>For >250 To 500, Add</i>	0.09		
		<i>For >2,500 To 5,000, Deduct</i>	-0.04		
		<i>For >5,000 To 10,000, Deduct</i>	-0.07		
		<i>For >10,000 To 20,000, Deduct</i>	-0.11		
		<i>For >20,000, Deduct</i>	-0.14		

09 91 23 00-0059	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	0.74		
		<i>For Oil Based Paint, Add</i>	0.04		
		<i>For Orange Peel Finish, Add</i>	0.11		
		<i>For Epoxy Paint, Add</i>	0.06		
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.10		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.16		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.26		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.36		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.50		
		<i>For >100 To 250, Add</i>	0.24		
		<i>For >250 To 500, Add</i>	0.10		
		<i>For >2,500 To 5,000, Deduct</i>	-0.04		
		<i>For >5,000 To 10,000, Deduct</i>	-0.07		
		<i>For >10,000 To 20,000, Deduct</i>	-0.11		
		<i>For >20,000, Deduct</i>	-0.15		

09 91 23 00-0060	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.35		
		<i>For Oil Based Paint, Add</i>	0.08		
		<i>For Orange Peel Finish, Add</i>	0.19		
		<i>For Epoxy Paint, Add</i>	0.12		
		<i>For Each Coat With Egg Shell Finish, Add</i>	0.01		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.18		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.29		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.47		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.64		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.90		
		<i>For >100 To 250, Add</i>	0.43		
		<i>For >250 To 500, Add</i>	0.18		
		<i>For >2,500 To 5,000, Deduct</i>	-0.07		
		<i>For >5,000 To 10,000, Deduct</i>	-0.14		
		<i>For >10,000 To 20,000, Deduct</i>	-0.20		
		<i>For >20,000, Deduct</i>	-0.27		

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0061	SF 3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.94	
	For Oil Based Paint, Add	0.11	
	For Orange Peel Finish, Add	0.27	
	For Epoxy Paint, Add	0.18	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.29	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 91 23 00-0062	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.56	
	For Oil Based Paint, Add	0.03	
	For Orange Peel Finish, Add	0.08	
	For Epoxy Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 23 00-0063	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.63	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.09	
	For Epoxy Paint, Add	0.06	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.13	
09 91 23 00-0064	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.13	
	For Oil Based Paint, Add	0.07	
	For Orange Peel Finish, Add	0.16	
	For Epoxy Paint, Add	0.12	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0065	SF	1	Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.13	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.18	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0066	SF	1	Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.54	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0067	SF	2	Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.86	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.25	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	

09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint

09 91 23 00-0069	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.43	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0070	SF Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed.....	1.55	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 23 00-0071	SF Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed.....	1.66	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 23 00-0072	Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)		
09 91 23 00-0073	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.60	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0074	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.70	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 23 00-0075	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed.....	1.10	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0076	SF			Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder).....	1.19	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.17	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.28	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.45	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.62	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.85	
				<i>For >100 To 250, Add</i>	0.40	
				<i>For >250 To 500, Add</i>	0.17	
				<i>For >2,500 To 5,000, Deduct</i>	-0.06	
				<i>For >5,000 To 10,000, Deduct</i>	-0.12	
				<i>For >10,000 To 20,000, Deduct</i>	-0.18	
				<i>For >20,000, Deduct</i>	-0.24	
09 91 23 00-0077				Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0078				Paint Interior Galvanized Walls (09 91 23 00-0077)		
				<i>Note: Linseed oil or acrylic latex paint.</i>		
09 91 23 00-0079	SF			1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces.....	0.85	
				<i>For Electrostatic Painting, Add</i>	0.12	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.36	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.52	
				<i>For >100 To 250, Add</i>	0.25	
				<i>For >250 To 500, Add</i>	0.11	
				<i>For >2,500 To 5,000, Deduct</i>	-0.04	
				<i>For >5,000 To 10,000, Deduct</i>	-0.09	
				<i>For >10,000 To 20,000, Deduct</i>	-0.13	
				<i>For >20,000, Deduct</i>	-0.17	
09 91 23 00-0080	SF			1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	0.94	
				<i>For Electrostatic Painting, Add</i>	0.12	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.41	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.59	
				<i>For >100 To 250, Add</i>	0.28	
				<i>For >250 To 500, Add</i>	0.12	
				<i>For >2,500 To 5,000, Deduct</i>	-0.05	
				<i>For >5,000 To 10,000, Deduct</i>	-0.09	
				<i>For >10,000 To 20,000, Deduct</i>	-0.14	
				<i>For >20,000, Deduct</i>	-0.19	
09 91 23 00-0081	SF			2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.70	
				<i>For Electrostatic Painting, Add</i>	0.23	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.33	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.52	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.72	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	1.04	
				<i>For >100 To 250, Add</i>	0.50	
				<i>For >250 To 500, Add</i>	0.22	
				<i>For >2,500 To 5,000, Deduct</i>	-0.09	
				<i>For >5,000 To 10,000, Deduct</i>	-0.17	
				<i>For >10,000 To 20,000, Deduct</i>	-0.26	
				<i>For >20,000, Deduct</i>	-0.34	
09 91 23 00-0082	SF			1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	0.63	
				<i>For Electrostatic Painting, Add</i>	0.09	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.07	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.12	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.19	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.26	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.38	
				<i>For >100 To 250, Add</i>	0.18	
				<i>For >250 To 500, Add</i>	0.08	
				<i>For >2,500 To 5,000, Deduct</i>	-0.03	
				<i>For >5,000 To 10,000, Deduct</i>	-0.06	
				<i>For >10,000 To 20,000, Deduct</i>	-0.09	
				<i>For >20,000, Deduct</i>	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0083	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	0.73	
	For Electrostatic Painting, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 23 00-0084	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.36	
	For Electrostatic Painting, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.56	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 91 23 00-0085	SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls.....	0.52	
	For Electrostatic Painting, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.04	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.07	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.12	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.16	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.25	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.10	
09 91 23 00-0086	SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	0.71	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 23 00-0087	SF 2 Coats Paint, Sprayed, Paint Interior Galvanized Walls.....	1.15	
	For Electrostatic Painting, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)
 Note: Alkyd enamel paint.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.85	
		For Electrostatic Painting, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	0.94	
		For Electrostatic Painting, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0091	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.69	
		For Electrostatic Painting, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.52	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.72	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.34	
09 91 23 00-0092	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.70	
		For Electrostatic Painting, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.39	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 23 00-0093	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.79	
		For Electrostatic Painting, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0094	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.47	
			For Electrostatic Painting, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0095	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.58	
			For Electrostatic Painting, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0096	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.71	
			For Electrostatic Painting, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0097	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	1.15	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0098			Paint Interior Corrugated Metal Walls (09 91 23 00-0077)		
09 91 23 00-0099	SF		Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.64	
			For Electrostatic Painting, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.10	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.21	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0100	SF	Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.89	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.25	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.46	
		For Electrostatic Painting, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	

09 91 23 00-0102 Paint Interior Stucco Walls (09 91 23 00-0001)

09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	1.16	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work.....	1.27	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.25	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.48	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.77	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.06	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.50	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0106	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush/Roller Work.....	0.87	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0107	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush/Roller Work.....	0.99	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0108	SF		Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush/Roller Work.....	1.81	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.82	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 23 00-0109	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Sprayed.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.27	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0110	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Sprayed.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0111	SF			Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Sprayed.....	1.55	
				For Oil Based Paint, Add	0.10	
				For Work >15' To 20' Above Floor, Add	0.18	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.30	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.47	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.65	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.94	
				For >100 To 250, Add	0.45	
				For >250 To 500, Add	0.20	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.23	
				For >20,000, Deduct	-0.31	
09 91 23 00-0112				Paint Interior Wood Walls (09 91 23 00-0001)		
09 91 23 00-0113				Interior Wood Walls (09 91 23 00-0112)		
09 91 23 00-0114	SF			1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	0.87	
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.58	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 23 00-0115	SF			2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.59	
				For Oil Based Paint, Add	0.09	
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.34	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.54	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.75	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.05	
				For >100 To 250, Add	0.50	
				For >250 To 500, Add	0.22	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	
09 91 23 00-0116	SF			3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.26	
				For Oil Based Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.29	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.48	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.76	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.05	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.49	
				For >100 To 250, Add	0.70	
				For >250 To 500, Add	0.30	
				For >2,500 To 5,000, Deduct	-0.11	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 20,000, Deduct	-0.34	
				For >20,000, Deduct	-0.45	
09 91 23 00-0117	SF			1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.62	
				For Oil Based Paint, Add	0.04	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.20	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.28	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.39	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.06	
				For >10,000 To 20,000, Deduct	-0.09	
				For >20,000, Deduct	-0.12	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0118	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	0.71	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0119	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.24	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0120	SF		1 Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.45	
			For Oil Based Paint, Add	0.03	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.08	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.12	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0121	SF		1 Coat Paint, Sprayed, Paint Interior Wood Walls.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 23 00-0122	SF		2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	1.06	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

09 91 23 00-0123 Paint Interior Ceilings (09 91 23)

09 91 23 00-0124 Paint Interior Acoustical Ceilings (09 91 23 00-0123)
Note: Includes grid.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0125	SF			1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	0.77	
				For Oil Based Paint, Add	0.04	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.15	
09 91 23 00-0126	SF			1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	0.83	
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.17	
09 91 23 00-0127	SF			2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling.....	1.48	
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.33	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.52	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.72	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.00	
				For >100 To 250, Add	0.47	
				For >250 To 500, Add	0.20	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.22	
				For >20,000, Deduct	-0.30	
09 91 23 00-0128	SF			1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.66	
				For Oil Based Paint, Add	0.04	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.14	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.22	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.30	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.42	
				For >100 To 250, Add	0.20	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
09 91 23 00-0129	SF			1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	0.65	
				For Oil Based Paint, Add	0.04	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.14	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.22	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.31	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.43	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0130	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.20	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.56	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.79	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 23 00-0131	SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.60	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.37	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0132	SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.60	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0133	SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	0.94	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0134	Paint Interior Concrete Ceilings (09 91 23 00-0123)		
09 91 23 00-0135	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling.....	0.77	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0136 SF 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling.....	0.83	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0137 SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.48	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0138 SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.59	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0139 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0140 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.21	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.41	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.57	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0141	SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling.....	0.57	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.11	
09 91 23 00-0142	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling.....	0.60	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0143	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling.....	0.93	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0144	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling.....	0.79	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0145	SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling.....	0.61	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.37	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0146	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling.....	0.59	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.35	
		<i>For >100 To 250, Add</i>	0.17	
		<i>For >250 To 500, Add</i>	0.07	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.09	
		<i>For >20,000, Deduct</i>	-0.12	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)

09 91 23 00-0148	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	0.77	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Oil Based Paint, Add</i>	0.04	
		<i>For Orange Peel Finish, Add</i>	0.11	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.36	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.51	
		<i>For >100 To 250, Add</i>	0.24	
		<i>For >250 To 500, Add</i>	0.10	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000 To 20,000, Deduct</i>	-0.12	
		<i>For >20,000, Deduct</i>	-0.15	

09 91 23 00-0149	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	0.83	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Oil Based Paint, Add</i>	0.05	
		<i>For Orange Peel Finish, Add</i>	0.12	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.57	
		<i>For >100 To 250, Add</i>	0.27	
		<i>For >250 To 500, Add</i>	0.12	
		<i>For >2,500 To 5,000, Deduct</i>	-0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.08	
		<i>For >10,000 To 20,000, Deduct</i>	-0.12	
		<i>For >20,000, Deduct</i>	-0.17	

09 91 23 00-0150	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.48	
		<i>For Epoxy Paint, Add</i>	0.13	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Orange Peel Finish, Add</i>	0.21	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.33	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.52	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.72	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.00	
		<i>For >100 To 250, Add</i>	0.47	
		<i>For >250 To 500, Add</i>	0.20	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.15	
		<i>For >10,000 To 20,000, Deduct</i>	-0.22	
		<i>For >20,000, Deduct</i>	-0.30	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0151	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.66	
	For Epoxy Paint, Add	0.07	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0152	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	0.65	
	For Epoxy Paint, Add	0.06	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0153	SF 2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.20	
	For Epoxy Paint, Add	0.11	
	For Oil Based Paint, Add	0.07	
	For Orange Peel Finish, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.56	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.79	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 23 00-0154	SF 1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.60	
	For Epoxy Paint, Add	0.07	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.37	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0155	SF 1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.60	
	For Epoxy Paint, Add	0.07	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0156	SF 2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.94	
	For Epoxy Paint, Add	0.12	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	

09 91 23 00-0157 Paint Interior Metal Ceilings (09 91 23 00-0123)

09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)

09 91 23 00-0159	SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.94	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0160	SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.04	
	For Electrostatic Painting, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0161	SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.88	
	For Electrostatic Painting, Add	0.25	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.82	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.18	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 23 00-0162	SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.72	
	For Electrostatic Painting, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 23 00-0163	SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.81	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0164	SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.49	
	For Electrostatic Painting, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 23 00-0165	SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.71	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0166	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.81	
		For Electrostatic Painting, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.47	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0167	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.26	
		For Electrostatic Painting, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.45	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0168		Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0157)		
		Note: Alkyd enamel paint.		
09 91 23 00-0169	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.94	
		For Electrostatic Painting, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0170	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.04	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0171	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.88	
		For Electrostatic Painting, Add	0.25	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.60	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.82	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.18	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.38	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0172	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.79	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0173	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.88	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0174	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.65	
	For Electrostatic Painting, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.66	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.97	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 23 00-0175	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.71	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.19	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.26	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 23 00-0176	SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.81	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

	MINOR	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.26		
		<i>For Electrostatic Painting, Add</i>	0.19		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.12		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.20		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.32		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.45		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.68		
		<i>For >100 To 250, Add</i>	0.33		
		<i>For >250 To 500, Add</i>	0.14		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.13		
		<i>For >10,000 To 20,000, Deduct</i>	-0.19		
		<i>For >20,000, Deduct</i>	-0.25		

09 91 23 00-0178 Paint Interior Ceiling Tile Grid (09 91 23 00-0157)
 Note: Grid only.

09 91 23 00-0179	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work	0.20		
		<i>For Electrostatic Painting, Add</i>	0.02		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.03		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.04		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.07		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.09		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.13		
		<i>For >100 To 250, Add</i>	0.06		
		<i>For >250 To 500, Add</i>	0.03		
		<i>For >2,500 To 5,000, Deduct</i>	-0.01		
		<i>For >5,000 To 10,000, Deduct</i>	-0.02		
		<i>For >10,000 To 20,000, Deduct</i>	-0.03		
		<i>For >20,000, Deduct</i>	-0.04		

09 91 23 00-0180	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.41		
		<i>For Electrostatic Painting, Add</i>	0.05		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.05		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.09		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.14		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.19		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.27		
		<i>For >100 To 250, Add</i>	0.13		
		<i>For >250 To 500, Add</i>	0.06		
		<i>For >2,500 To 5,000, Deduct</i>	-0.02		
		<i>For >5,000 To 10,000, Deduct</i>	-0.04		
		<i>For >10,000 To 20,000, Deduct</i>	-0.06		
		<i>For >20,000, Deduct</i>	-0.08		

09 91 23 00-0181 Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)

09 91 23 00-0182	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.93		
		<i>For Electrostatic Painting, Add</i>	0.14		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.16		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.25		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.35		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.52		
		<i>For >100 To 250, Add</i>	0.25		
		<i>For >250 To 500, Add</i>	0.11		
		<i>For >2,500 To 5,000, Deduct</i>	-0.05		
		<i>For >5,000 To 10,000, Deduct</i>	-0.09		
		<i>For >10,000 To 20,000, Deduct</i>	-0.14		
		<i>For >20,000, Deduct</i>	-0.19		

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0183	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	1.08	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0184	SF		Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.70	
			For Electrostatic Painting, Add	0.26	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0185			Paint Interior Wood Ceilings (09 91 23 00-0123)		
09 91 23 00-0186			Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)		
09 91 23 00-0187	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.93	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0188	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.98	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0189	SF		Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.77	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.82	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0190	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.74	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.45	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 23 00-0191	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.81	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0192	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.52	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.66	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 23 00-0193	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.62	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 23 00-0194	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.73	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0195	SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.09	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 23 00-0196	Paint Interior Wood Beams (09 91 23 00-0123)		
09 91 23 00-0197	SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work	1.03	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	
09 91 23 00-0198	SF Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	1.06	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0199	SF Paint Interior Wood Beams, 2 Coats Paint, Brush Work	1.93	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.28	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 91 23 00-0200	SF Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work	0.82	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0201	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work	0.81	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0202	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.52	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.66	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 23 00-0203	SF	Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.73	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 23 00-0204	SF	Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	0.72	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 23 00-0205	SF	Paint Interior Wood Beams, 2 Coats Paint, Sprayed	1.20	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	

09 91 23 00-0206 Paint Interior Floors And Decks (09 91 23)
 09 91 23 00-0207 Paint Interior Concrete Floors And Decks (09 91 23 00-0206)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0208	SF 1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks.....	0.59	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Up To 100, Add	0.37	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0209	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	0.65	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.43	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 23 00-0210	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.27	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.12	
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0211	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.58	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 23 00-0212	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.56	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.37	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.08	
	For >20,000, Deduct	-0.11	
09 91 23 00-0213	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.90	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.10	
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 23 00-0214	SF 1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks.....	0.46	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.07	
	For Up To 100, Add	0.26	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
09 91 23 00-0215	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.47	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
09 91 23 00-0216	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.82	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.11	
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0217 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks.....	0.61	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0218 SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.60	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0219 SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.48	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0220 SF 1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	1.66	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0221 SF 1 Coat Non Slip Epoxy Coating, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	4.67	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.23	
For >5,000 To 10,000, Deduct	-0.47	
For >10,000 To 20,000, Deduct	-0.70	
For >20,000, Deduct	-0.93	
09 91 23 00-0222 Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0223 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0224 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0225 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.48	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0226 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.57	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 23 00-0227 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.63	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0228	SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.24	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Up To 100, Add</i>	0.74	
	<i>For >100 To 250, Add</i>	0.35	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >2,500 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000 To 10,000, Deduct</i>	-0.12	
	<i>For >10,000 To 20,000, Deduct</i>	-0.19	
	<i>For >20,000, Deduct</i>	-0.25	
09 91 23 00-0229	SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.49	
	<i>For Oil Based Paint, Add</i>	0.03	
	<i>For Up To 100, Add</i>	0.28	
	<i>For >100 To 250, Add</i>	0.14	
	<i>For >250 To 500, Add</i>	0.06	
	<i>For >2,500 To 5,000, Deduct</i>	-0.02	
	<i>For >5,000 To 10,000, Deduct</i>	-0.05	
	<i>For >10,000 To 20,000, Deduct</i>	-0.07	
	<i>For >20,000, Deduct</i>	-0.10	
09 91 23 00-0230	SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.62	
	<i>For Oil Based Paint, Add</i>	0.04	
	<i>For Up To 100, Add</i>	0.38	
	<i>For >100 To 250, Add</i>	0.18	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >2,500 To 5,000, Deduct</i>	-0.03	
	<i>For >5,000 To 10,000, Deduct</i>	-0.06	
	<i>For >10,000 To 20,000, Deduct</i>	-0.09	
	<i>For >20,000, Deduct</i>	-0.12	
09 91 23 00-0231	SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.88	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.49	
	<i>For >100 To 250, Add</i>	0.24	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >2,500 To 5,000, Deduct</i>	-0.04	
	<i>For >5,000 To 10,000, Deduct</i>	-0.09	
	<i>For >10,000 To 20,000, Deduct</i>	-0.13	
	<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0232	SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.66	
	<i>For Up To 100, Add</i>	0.59	
	<i>For >100 To 250, Add</i>	0.31	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >2,500 To 5,000, Deduct</i>	-0.08	
	<i>For >5,000 To 10,000, Deduct</i>	-0.17	
	<i>For >10,000 To 20,000, Deduct</i>	-0.25	
	<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0233	SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	4.67	
	<i>For Up To 100, Add</i>	1.04	
	<i>For >100 To 250, Add</i>	0.61	
	<i>For >250 To 500, Add</i>	0.29	
	<i>For >2,500 To 5,000, Deduct</i>	-0.23	
	<i>For >5,000 To 10,000, Deduct</i>	-0.47	
	<i>For >10,000 To 20,000, Deduct</i>	-0.70	
	<i>For >20,000, Deduct</i>	-0.93	
09 91 23 00-0234	Paint Interior Doors And Windows <small>(09 91 23)</small>		
09 91 23 00-0235	Paint Interior Door Frames <small>(09 91 23 00-0234)</small>		
09 91 23 00-0236	LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	0.89	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.23	
09 91 23 00-0237	LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.15	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.30	
09 91 23 00-0238	LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime.....	1.94	
	<i>For Oil Based Paint, Add</i>	0.10	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.51	
09 91 23 00-0239	LF Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.90	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.24	
09 91 23 00-0240	LF Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.16	
	<i>For Oil Based Paint, Add</i>	0.06	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.30	
09 91 23 00-0241	LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	1.95	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Painting One Face Of Frame Only, Deduct</i>	-0.51	
09 91 23 00-0242	Paint Interior Metal Doors <small>(09 91 23 00-0234)</small>		
09 91 23 00-0243	EA Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	40.41	
	<i>For Electrostatic Painting, Add</i>	6.06	
	<i>For Half Louvered Door, Add</i>	4.05	
	<i>For Full Louvered Door, Add</i>	6.74	
	<i>For Oil Based Paint, Add</i>	2.69	
	<i>For >5 To 10, Deduct</i>	-2.02	
	<i>For >10 To 25, Deduct</i>	-4.04	
	<i>For >25, Deduct</i>	-6.06	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0244	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	40.41	
		For Electrostatic Painting, Add	6.06	
		For Half Louvered Door, Add	4.05	
		For Full Louvered Door, Add	6.74	
		For Oil Based Paint, Add	2.69	
		For >5 To 10, Deduct	-2.02	
		For >10 To 25, Deduct	-4.04	
		For >25, Deduct	-6.06	
09 91 23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	72.27	
		For Electrostatic Painting, Add	11.23	
		For Half Louvered Door, Add	6.83	
		For Full Louvered Door, Add	11.39	
		For Oil Based Paint, Add	4.95	
		For >5 To 10, Deduct	-3.61	
		For >10 To 25, Deduct	-7.23	
		For >25, Deduct	-10.84	
09 91 23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	72.51	
		For Electrostatic Painting, Add	10.87	
		For Half Louvered Door, Add	7.25	
		For Full Louvered Door, Add	12.09	
		For Oil Based Paint, Add	4.83	
		For >5 To 10, Deduct	-3.63	
		For >10 To 25, Deduct	-7.25	
		For >25, Deduct	-10.88	
09 91 23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	72.51	
		For Electrostatic Painting, Add	10.87	
		For Half Louvered Door, Add	7.25	
		For Full Louvered Door, Add	12.09	
		For Oil Based Paint, Add	4.83	
		For >5 To 10, Deduct	-3.63	
		For >10 To 25, Deduct	-7.25	
		For >25, Deduct	-10.88	
09 91 23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	130.13	
		For Electrostatic Painting, Add	20.26	
		For Half Louvered Door, Add	12.27	
		For Full Louvered Door, Add	20.46	
		For Oil Based Paint, Add	8.92	
		For >5 To 10, Deduct	-6.51	
		For >10 To 25, Deduct	-13.01	
		For >25, Deduct	-19.52	
09 91 23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	35.12	
		For Electrostatic Painting, Add	5.73	
		For Half Louvered Door, Add	3.05	
		For Full Louvered Door, Add	5.09	
		For Oil Based Paint, Add	2.50	
		For >5 To 10, Deduct	-1.76	
		For >10 To 25, Deduct	-3.51	
		For >25, Deduct	-5.27	
09 91 23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed.....	35.12	
		For Electrostatic Painting, Add	5.73	
		For Half Louvered Door, Add	3.05	
		For Full Louvered Door, Add	5.09	
		For Oil Based Paint, Add	2.50	
		For >5 To 10, Deduct	-1.76	
		For >10 To 25, Deduct	-3.51	
		For >25, Deduct	-5.27	
09 91 23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	63.74	
		For Electrostatic Painting, Add	10.78	
		For Half Louvered Door, Add	5.15	
		For Full Louvered Door, Add	8.59	
		For Oil Based Paint, Add	4.66	
		For >5 To 10, Deduct	-3.19	
		For >10 To 25, Deduct	-6.37	
		For >25, Deduct	-9.56	
09 91 23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	63.05	
		For Electrostatic Painting, Add	10.29	
		For Half Louvered Door, Add	5.47	
		For Full Louvered Door, Add	9.12	
		For Oil Based Paint, Add	4.48	
		For >5 To 10, Deduct	-3.15	
		For >10 To 25, Deduct	-6.31	
		For >25, Deduct	-9.46	
09 91 23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	63.05	
		For Electrostatic Painting, Add	10.29	
		For Half Louvered Door, Add	5.47	
		For Full Louvered Door, Add	9.12	
		For Oil Based Paint, Add	4.48	
		For >5 To 10, Deduct	-3.15	
		For >10 To 25, Deduct	-6.31	
		For >25, Deduct	-9.46	
09 91 23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	114.87	
		For Electrostatic Painting, Add	19.46	
		For Half Louvered Door, Add	9.26	
		For Full Louvered Door, Add	15.43	
		For Oil Based Paint, Add	8.40	
		For >5 To 10, Deduct	-5.74	
		For >10 To 25, Deduct	-11.49	
		For >25, Deduct	-17.23	

09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0256	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	37.89	
			<i>For Oil Based Paint, Add</i>	2.44	
			<i>For Half Louvered Door, Add</i>	4.05	
			<i>For Full Louvered Door, Add</i>	6.74	
			<i>For >5 To 10, Deduct</i>	-1.89	
			<i>For >10 To 25, Deduct</i>	-3.79	
			<i>For >25, Deduct</i>	-5.68	
09 91 23 00-0257	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	37.89	
			<i>For Oil Based Paint, Add</i>	2.44	
			<i>For Half Louvered Door, Add</i>	4.05	
			<i>For Full Louvered Door, Add</i>	6.74	
			<i>For >5 To 10, Deduct</i>	-1.89	
			<i>For >10 To 25, Deduct</i>	-3.79	
			<i>For >25, Deduct</i>	-5.68	
09 91 23 00-0258	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work.....	67.26	
			<i>For Oil Based Paint, Add</i>	4.45	
			<i>For Half Louvered Door, Add</i>	6.83	
			<i>For Full Louvered Door, Add</i>	11.39	
			<i>For >5 To 10, Deduct</i>	-3.36	
			<i>For >10 To 25, Deduct</i>	-6.73	
			<i>For >25, Deduct</i>	-10.09	
09 91 23 00-0259	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	67.98	
			<i>For Oil Based Paint, Add</i>	4.38	
			<i>For Half Louvered Door, Add</i>	7.25	
			<i>For Full Louvered Door, Add</i>	12.09	
			<i>For >5 To 10, Deduct</i>	-3.40	
			<i>For >10 To 25, Deduct</i>	-6.80	
			<i>For >25, Deduct</i>	-10.20	
09 91 23 00-0260	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	67.98	
			<i>For Oil Based Paint, Add</i>	4.38	
			<i>For Half Louvered Door, Add</i>	7.25	
			<i>For Full Louvered Door, Add</i>	12.09	
			<i>For >5 To 10, Deduct</i>	-3.40	
			<i>For >10 To 25, Deduct</i>	-6.80	
			<i>For >25, Deduct</i>	-10.20	
09 91 23 00-0261	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	121.06	
			<i>For Oil Based Paint, Add</i>	8.02	
			<i>For Half Louvered Door, Add</i>	12.27	
			<i>For Full Louvered Door, Add</i>	20.46	
			<i>For >5 To 10, Deduct</i>	-6.05	
			<i>For >10 To 25, Deduct</i>	-12.11	
			<i>For >25, Deduct</i>	-18.16	
09 91 23 00-0262	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed.....	32.35	
			<i>For Oil Based Paint, Add</i>	2.22	
			<i>For Half Louvered Door, Add</i>	3.05	
			<i>For Full Louvered Door, Add</i>	5.09	
			<i>For >5 To 10, Deduct</i>	-1.62	
			<i>For >10 To 25, Deduct</i>	-3.24	
			<i>For >25, Deduct</i>	-4.85	
09 91 23 00-0263	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	32.35	
			<i>For Oil Based Paint, Add</i>	2.22	
			<i>For Half Louvered Door, Add</i>	3.05	
			<i>For Full Louvered Door, Add</i>	5.09	
			<i>For >5 To 10, Deduct</i>	-1.62	
			<i>For >10 To 25, Deduct</i>	-3.24	
			<i>For >25, Deduct</i>	-4.85	
09 91 23 00-0264	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	58.25	
			<i>For Oil Based Paint, Add</i>	4.11	
			<i>For Half Louvered Door, Add</i>	5.16	
			<i>For Full Louvered Door, Add</i>	8.60	
			<i>For >5 To 10, Deduct</i>	-2.91	
			<i>For >10 To 25, Deduct</i>	-5.83	
			<i>For >25, Deduct</i>	-8.74	
09 91 23 00-0265	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	58.06	
			<i>For Oil Based Paint, Add</i>	3.98	
			<i>For Half Louvered Door, Add</i>	5.47	
			<i>For Full Louvered Door, Add</i>	9.12	
			<i>For >5 To 10, Deduct</i>	-2.90	
			<i>For >10 To 25, Deduct</i>	-5.81	
			<i>For >25, Deduct</i>	-8.71	
09 91 23 00-0266	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	58.06	
			<i>For Oil Based Paint, Add</i>	3.98	
			<i>For Half Louvered Door, Add</i>	5.47	
			<i>For Full Louvered Door, Add</i>	9.12	
			<i>For >5 To 10, Deduct</i>	-2.90	
			<i>For >10 To 25, Deduct</i>	-5.81	
			<i>For >25, Deduct</i>	-8.71	
09 91 23 00-0267	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	104.89	
			<i>For Oil Based Paint, Add</i>	7.40	
			<i>For Half Louvered Door, Add</i>	9.26	
			<i>For Full Louvered Door, Add</i>	15.43	
			<i>For >5 To 10, Deduct</i>	-5.24	
			<i>For >10 To 25, Deduct</i>	-10.49	
			<i>For >25, Deduct</i>	-15.73	

09 91 23 00-0268 Paint Interior Metal Windows (09 91 23 00-0234)
 Note: Two finish coats paint over rust inhibitive primer.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0269	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	69.39	
		<i>For Oil Based Paint, Add</i>	3.92	
		<i>For Electrostatic Painting, Add</i>	8.28	
		<i>For >5 To 10, Deduct</i>	-3.47	
		<i>For >10 To 25, Deduct</i>	-6.94	
		<i>For >25, Deduct</i>	-10.41	
09 91 23 00-0270	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	83.55	
		<i>For Oil Based Paint, Add</i>	4.87	
		<i>For Electrostatic Painting, Add</i>	10.43	
		<i>For >5 To 10, Deduct</i>	-4.18	
		<i>For >10 To 25, Deduct</i>	-8.36	
		<i>For >25, Deduct</i>	-12.53	
09 91 23 00-0271	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	112.60	
		<i>For Oil Based Paint, Add</i>	6.61	
		<i>For Electrostatic Painting, Add</i>	14.20	
		<i>For >5 To 10, Deduct</i>	-5.63	
		<i>For >10 To 25, Deduct</i>	-11.26	
		<i>For >25, Deduct</i>	-16.89	
09 91 23 00-0272	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	126.80	
		<i>For Oil Based Paint, Add</i>	7.45	
		<i>For Electrostatic Painting, Add</i>	16.00	
		<i>For >5 To 10, Deduct</i>	-6.34	
		<i>For >10 To 25, Deduct</i>	-12.68	
		<i>For >25, Deduct</i>	-19.02	
09 91 23 00-0273	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	140.62	
		<i>For Oil Based Paint, Add</i>	8.25	
		<i>For Electrostatic Painting, Add</i>	17.72	
		<i>For >5 To 10, Deduct</i>	-7.03	
		<i>For >10 To 25, Deduct</i>	-14.06	
		<i>For >25, Deduct</i>	-21.09	
09 91 23 00-0274	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	4.47	
		<i>For Oil Based Paint, Add</i>	0.26	
		<i>For Electrostatic Painting, Add</i>	0.56	

09 91 23 00-0275 Wood Windows (09 91 23 00-0234)

Note: Two finish coats paint over primer.

09 91 23 00-0276	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	67.71	
		<i>For Oil Based Paint, Add</i>	3.75	
		<i>For >5 To 10, Deduct</i>	-3.39	
		<i>For >10 To 25, Deduct</i>	-6.77	
		<i>For >25, Deduct</i>	-10.16	
09 91 23 00-0277	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	80.96	
		<i>For Oil Based Paint, Add</i>	4.61	
		<i>For >5 To 10, Deduct</i>	-4.05	
		<i>For >10 To 25, Deduct</i>	-8.10	
		<i>For >25, Deduct</i>	-12.14	
09 91 23 00-0278	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	119.86	
		<i>For Oil Based Paint, Add</i>	6.79	
		<i>For >5 To 10, Deduct</i>	-5.99	
		<i>For >10 To 25, Deduct</i>	-11.99	
		<i>For >25, Deduct</i>	-17.98	
09 91 23 00-0279	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	134.95	
		<i>For Oil Based Paint, Add</i>	7.65	
		<i>For >5 To 10, Deduct</i>	-6.75	
		<i>For >10 To 25, Deduct</i>	-13.50	
		<i>For >25, Deduct</i>	-20.24	
09 91 23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	136.05	
		<i>For Oil Based Paint, Add</i>	7.79	
		<i>For >5 To 10, Deduct</i>	-6.80	
		<i>For >10 To 25, Deduct</i>	-13.61	
		<i>For >25, Deduct</i>	-20.41	
09 91 23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....	4.55	
		<i>For Oil Based Paint, Add</i>	0.26	

09 91 23 00-0282 Paint Interior Security Screens (09 91 23 00-0234)

09 91 23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.14	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Electrostatic Painting, Add</i>	0.14	
09 91 23 00-0284	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.17	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Electrostatic Painting, Add</i>	0.14	
09 91 23 00-0285	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.94	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Electrostatic Painting, Add</i>	0.23	

09 91 23 00-0286 Paint Interior Window Guards (09 91 23 00-0234)

09 91 23 00-0287	SF	Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.14	
		<i>For Oil Based Paint, Add</i>	0.07	
09 91 23 00-0288	SF	Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.17	
		<i>For Oil Based Paint, Add</i>	0.07	
09 91 23 00-0289	SF	Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.94	
		<i>For Oil Based Paint, Add</i>	0.11	

09 91 23 00-0290 Paint Interior Window Trim (09 91 23 00-0234)

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0291	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.31	
09 91 23 00-0292	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.31	
09 91 23 00-0293	LF		Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.45	
			<i>For Oil Based Paint, Add</i>	0.14	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.68	
09 91 23 00-0294	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.21	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.35	
09 91 23 00-0295	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.21	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.35	
09 91 23 00-0296	LF		Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.62	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.74	
09 91 23 00-0297			Paint Interior Cabinets And Casework (09 91 23)		
09 91 23 00-0298			Paint Interior Wood Cabinets And Casework (09 91 23 00-0297)		
09 91 23 00-0299	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work.....	0.99	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0300	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work.....	1.36	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0301	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work.....	2.17	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0302			Paint Exposed Metal Lockers (09 91 23 00-0297)		
09 91 23 00-0303	SF		Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work.....	1.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0304	SF		Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.16	
09 91 23 00-0305	SF		Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work.....	1.98	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.20	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0306			Paint Interior Stairs (09 91 23)		
09 91 23 00-0307			Paint Interior Concrete Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0308	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	14.74	
09 91 23 00-0309	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	14.74	
09 91 23 00-0310	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	11.78	
			Note: Excludes riser.		
09 91 23 00-0311	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	23.80	
			Note: Excludes riser.		
09 91 23 00-0312	RSR		Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	29.49	
09 91 23 00-0313			Paint Interior Metal Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0314	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	7.97	
09 91 23 00-0315	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	7.67	
09 91 23 00-0316	RSR		Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	15.32	
09 91 23 00-0317			Paint Interior Wood Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0318	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	7.57	
09 91 23 00-0319	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	7.57	
09 91 23 00-0320	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	8.19	
			Note: Excludes riser.		
09 91 23 00-0321	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	20.21	
			Note: Excludes riser.		
09 91 23 00-0322	RSR		Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	15.13	
09 91 23 00-0323			Paint Interior Stair Nosing (09 91 23 00-0306)		
09 91 23 00-0324	LF		Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	1.22	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0325	Paint Interior Trim <small>(09 91 23)</small>		
09 91 23 00-0326	Paint Interior Metal Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0327	SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	1.07 0.14 0.24 0.38 0.52	
09 91 23 00-0328	SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	1.07 0.14 0.24 0.38 0.52	
09 91 23 00-0329	SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	1.91 0.25 0.41 0.66 0.91	
09 91 23 00-0330	SF Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	0.88 0.11 0.19 0.30 0.41	
09 91 23 00-0331	SF Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	0.88 0.11 0.19 0.30 0.41	
09 91 23 00-0332	SF Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	1.58 0.20 0.33 0.53 0.73	
09 91 23 00-0333	Paint Interior Wood Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0334	LF 1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Oil Based Paint, Add</i>	0.61 0.08 0.14 0.22 0.31 0.03	
09 91 23 00-0335	LF 1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Oil Based Paint, Add</i>	0.67 0.09 0.16 0.25 0.34 0.04	
09 91 23 00-0336	LF 2 Coats Paint, Paint Interior Wood Trim to 6" Wide..... <i>For Work >15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Oil Based Paint, Add</i>	1.40 0.20 0.33 0.53 0.73 0.07	

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0337	SF 1 Coat Primer, Brush Work, Paint Interior Wood Trim	1.87	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.10	
09 91 23 00-0338	SF 1 Coat Paint, Brush Work, Paint Interior Wood Trim.....	2.07	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.01	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.12	
09 91 23 00-0339	SF 2 Coats Paint, Brush Work, Paint Interior Wood Trim.....	3.75	
	For Work >15' To 20' Above Floor, Add	0.49	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.82	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.81	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.21	
09 91 23 00-0340	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	1.53	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.09	
09 91 23 00-0341	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim.....	1.71	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.59	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.81	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.10	
09 91 23 00-0342	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim.....	3.07	
	For Work >15' To 20' Above Floor, Add	0.39	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.65	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.04	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.44	
	Note: Applied only to work area above 40'.		
	For Oil Based Paint, Add	0.18	
09 91 23 00-0343	Stencil Painting Letters/Numbers (09 91 23)		
	Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0344	EA Up To 1" High, Stencil Painting, Per Letter/Number	1.54	
	For >200 To 500, Deduct	-0.12	
	For >500 To 1,000, Deduct	-0.19	
	For >1,000 To 2,000, Deduct	-0.25	
	For >2,000, Deduct	-0.31	
09 91 23 00-0345	EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	1.78	
	For >200 To 500, Deduct	-0.14	
	For >500 To 1,000, Deduct	-0.22	
	For >1,000 To 2,000, Deduct	-0.28	
	For >2,000, Deduct	-0.36	
09 91 23 00-0346	EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	3.00	
	For >200 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.38	
	For >1,000 To 2,000, Deduct	-0.48	
	For >2,000, Deduct	-0.60	
09 91 23 00-0347	EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	3.69	
	For >200 To 500, Deduct	-0.30	
	For >500 To 1,000, Deduct	-0.46	
	For >1,000 To 2,000, Deduct	-0.59	
	For >2,000, Deduct	-0.74	
09 91 23 00-0348	EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	5.07	
	For >200 To 500, Deduct	-0.41	
	For >500 To 1,000, Deduct	-0.63	
	For >1,000 To 2,000, Deduct	-0.81	
	For >2,000, Deduct	-1.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 23 00-0349	EA	6" To 12" High, Stencil Painting, Per Letter/Number.....	6.74		
		<i>For >200 To 500, Deduct</i>	-0.54		
		<i>For >500 To 1,000, Deduct</i>	-0.84		
		<i>For >1,000 To 2,000, Deduct</i>	-1.08		
		<i>For >2,000, Deduct</i>	-1.35		
09 91 23 00-0350	EA	Over 12" High, Stencil Painting, Per Letter/Number	7.94		
		<i>For >200 To 500, Deduct</i>	-0.64		
		<i>For >500 To 1,000, Deduct</i>	-0.99		
		<i>For >1,000 To 2,000, Deduct</i>	-1.27		
		<i>For >2,000, Deduct</i>	-1.59		
09 91 23 00-0351		Logo Painting <small>(09 91 23)</small>			
09 91 23 00-0352	SF	Simple Design, Paint Logo.....	29.24		
09 91 23 00-0353	SF	Complex Design, Paint Logo	34.35		
09 91 23 00-0354		Paint Additives <small>(09 91 23)</small>			
09 91 23 00-0355	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02		
09 91 23 00-0356	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.05		
		<i>For Class "A" Fire Rating, Add</i>	0.05		
09 91 23 00-0357		Hand Painting Letters/Numbers <small>(09 91 23)</small>			
		Note: Painting on walls, floors, poles, signs, etc.			
09 91 23 00-0358	EA	Up To 1" High, Hand Paint, Per Letter/Number	1.88		
09 91 23 00-0359	EA	1" To 2" High, Hand Paint, Per Letter/Number.....	2.19		
09 91 23 00-0360	EA	2" To 3" High, Hand Paint, Per Letter/Number.....	3.33		
09 91 23 00-0361	EA	3" To 4" High, Hand Paint, Per Letter/Number.....	4.07		
09 91 23 00-0362	EA	4" To 6" High, Hand Paint, Per Letter/Number.....	5.63		
09 91 23 00-0363	EA	6" To 12" High, Hand Paint, Per Letter/Number.....	7.13		
09 91 23 00-0364	EA	Over 12" High, Hand Paint, Per Letter/Number	8.35		
09 91 23 00-0365		Glove/Mitt Application <small>(09 91 23)</small>			
09 91 23 00-0366		Conduit/Pipe <small>(09 91 23 00-0365)</small>			
09 91 23 00-0367	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	35.66		
		<i>For Work >15' To 20' Above Floor, Add</i>	5.02		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	8.37		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	13.40		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	18.42		
		<i>Note: Applied only to work area above 40'.</i>			
09 91 23 00-0368	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt.....	57.74		
		<i>For Work >15' To 20' Above Floor, Add</i>	6.03		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	10.05		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	16.07		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	22.10		
		<i>Note: Applied only to work area above 40'.</i>			
09 91 23 00-0369	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	45.28		
		<i>For Work >15' To 20' Above Floor, Add</i>	4.42		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	7.37		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	11.78		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	16.20		
		<i>Note: Applied only to work area above 40'.</i>			
09 91 23 00-0370	CSF	Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	36.91		
		<i>For Work >15' To 20' Above Floor, Add</i>	3.32		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	5.53		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	8.84		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	12.16		
		<i>Note: Applied only to work area above 40'.</i>			
09 91 23 00-0371	CSF	Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	69.21		
		<i>For Work >15' To 20' Above Floor, Add</i>	5.02		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	8.37		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	13.40		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	18.42		
		<i>Note: Applied only to work area above 40'.</i>			

09 Finishes

09 90 Painting and Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0372	CSF Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt	63.70	
	For Work >15' To 20' Above Floor, Add	4.42	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	7.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	11.78	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	16.20	
	Note: Applied only to work area above 40'.		
09 91 23 00-0373	Ductwork (09 91 23 00-0365)		
09 91 23 00-0374	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	35.66	
	For Work >15' To 20' Above Floor, Add	5.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	8.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	13.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	18.42	
	Note: Applied only to work area above 40'.		
09 91 23 00-0375	CSF Metal Primer Ductwork With Glove/Mitt	50.94	
	For Work >15' To 20' Above Floor, Add	5.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	8.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	13.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	18.42	
	Note: Applied only to work area above 40'.		
09 91 23 00-0376	CSF Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	41.14	
	For Work >15' To 20' Above Floor, Add	4.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	6.70	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	10.71	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	14.73	
	Note: Applied only to work area above 40'.		
09 91 23 00-0377	CSF Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	66.64	
	For Work >15' To 20' Above Floor, Add	5.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	8.37	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	13.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	18.42	
	Note: Applied only to work area above 40'.		
09 91 23 00-0378	CSF Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	57.86	
	For Work >15' To 20' Above Floor, Add	4.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	6.70	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	10.71	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	14.73	
	Note: Applied only to work area above 40'.		
09 91 23 00-0379	Paint Interior Miscellaneous Metal Surfaces (09 91 23)		
09 91 23 00-0380	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.62	
	For Electrostatic Painting, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0381	SF	1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	0.79	
		For Electrostatic Painting, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0382	SF	2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.30	
		For Electrostatic Painting, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 23 00-0383	SF	1 Coat Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	0.87	
		For Electrostatic Painting, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.29	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.40	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0384	SF	1 Coat Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces	0.87	
		For Electrostatic Painting, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.29	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.40	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0385	SF	2 Coats Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.34	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	

09 91 33 Painting Materials (09 91)
 Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001	Primer (09 91 33)			
09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	33.25	

09 Finishes
09 90 Painting and Coating
09 91 Painting

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	26.48	
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	33.58	
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	76.08	
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	27.70	
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	42.70	
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	34.27	
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	26.48	
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	24.06	
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	42.41	
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	35.31	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	35.31	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	39.81	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	25.97	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	56.90	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	27.70	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	22.16	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	57.30	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	35.73	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	40.31	
09 91 33 00-0022 Paint (09 91 33)				
09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	19.39	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	96.13	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	10.39	
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.				
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	60.07	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	31.50	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	10.39	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	15.75	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	31.85	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	42.41	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	34.62	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	31.74	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	30.12	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	35.49	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	31.50	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	44.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	243.43	
09 91 33 00-0039	GAL	High Heat Paint	80.56	
09 91 33 00-0040	GAL	Heat Resistant Paint	53.70	
09 91 33 00-0041	GAL	Zinc Chromate Paint	48.59	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	19.18	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	53.70	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	31.50	
09 91 33 00-0045	GAL	Alkyd Latex, Black	36.23	
09 91 33 00-0046	GAL	Alkyd Latex, White	36.23	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	43.69	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	49.02	
09 91 33 00-0049	GAL	Vinyl Paint	52.97	
09 91 33 00-0050	GAL	Silicone Alkyd	64.39	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	65.43	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	82.05	
09 91 33 00-0053	GAL	Chlorinated Rubber	60.24	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	62.32	
09 91 33 00-0055	GAL	Coal Tar Epoxy	44.66	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	55.74	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	72.70	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	49.85	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	31.68	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	35.49	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	64.91	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	21.98	
09 91 33 00-0063	GAL	Linseed Oil	19.21	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	31.50	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	35.49	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	32.46	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	26.08	
09 91 33 00-0068 Stain, Varnish (09 91 33)				
09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	18.00	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	33.58	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	29.95	
09 91 33 00-0072	GAL	Varnish, Clear	23.62	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	17.15	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	15.33	
09 91 33 00-0075	GAL	Polyurethane	26.92	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	31.60	
09 91 33 00-0077	GAL	Shellac, Clear	41.45	
09 91 33 00-0078	GAL	Acetone	13.68	
09 91 33 00-0079	GAL	Paint Thinner	3.38	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	13.85	
09 91 33 00-0081	GAL	Turpentine	19.04	
09 91 33 00-0082	GAL	Wood Filler Paste	32.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	25.97		
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	71.43		

09 91 43 Surface Preparation (09 91)

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 92 Factory Finish (09 90)

09 92 00 00-0001 Factory Finished Doors (09 92)

09 92 00 00-0002	EA	Factory Finish Steel Door, One Face, Prime And 2 Coats Paint.....	70.95		
09 92 00 00-0003	EA	Factory Finish Steel Door, Both Faces, Prime And 2 Coats Paint.....	126.58		
09 92 00 00-0004	EA	Factory Finish Wood/Fiberglass Door, One Face, Prime And 2 Coats Paint.....	62.65		
09 92 00 00-0005	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Prime And 2 Coats Paint.....	111.62		
09 92 00 00-0006	EA	Factory Finish Wood/Fiberglass Door, One Face, Two Coats Stain And One Coat Polyurethane	43.20		
09 92 00 00-0007	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Two Coats Stain And One Coat Polyurethane.....	79.70		
09 92 00 00-0008	EA	Factory Finish Wood Door, One Face, One Coat Shellac, Varnish Or Polyurethane	16.01		
09 92 00 00-0009	EA	Factory Finish Wood Door, Both Faces, One Coat Shellac, Varnish Or Polyurethane.....	28.67		

09 93 Staining and Transparent Finishing (09 90)

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing (09 93)

09 93 13 53 Exterior Finishing (09 93 13)

09 93 13 53-0001 Stain Sealer (09 93 13 53)

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work.....	0.73		
		<i>For Ceiling Work, Add</i>	<i>0.10</i>		
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.02</i>		
		<i>For >10,000 To 20,000, Deduct</i>	<i>-0.04</i>		
		<i>For >20,000, Deduct</i>	<i>-0.06</i>		
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work.....	0.59		
		<i>For Ceiling Work, Add</i>	<i>0.08</i>		
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.02</i>		
		<i>For >10,000 To 20,000, Deduct</i>	<i>-0.03</i>		
		<i>For >20,000, Deduct</i>	<i>-0.05</i>		
09 93 13 53-0004	SF	Stain Sealer, Sprayed.....	0.23		
		<i>For Ceiling Work, Add</i>	<i>0.02</i>		
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>		
		<i>For >10,000 To 20,000, Deduct</i>	<i>-0.02</i>		
		<i>For >20,000, Deduct</i>	<i>-0.02</i>		

09 93 23 Interior Staining and Finishing (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining (09 93 23)

09 93 23 13-0001 Stain Wood Trim (09 93 23 13)

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.88		
		<i>For Up To 100, Add</i>	<i>0.64</i>		
		<i>For >100 To 250, Add</i>	<i>0.30</i>		
		<i>For >250 To 500, Add</i>	<i>0.13</i>		
		<i>For >4,000, Deduct</i>	<i>-0.04</i>		
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.31		
		<i>For Up To 100, Add</i>	<i>0.93</i>		
		<i>For >100 To 250, Add</i>	<i>0.44</i>		
		<i>For >250 To 500, Add</i>	<i>0.19</i>		
		<i>For >4,000, Deduct</i>	<i>-0.07</i>		

09 93 23 13-0004 Stain Wood Floor (09 93 23 13)

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.41		
		<i>For Up To 100, Add</i>	<i>0.26</i>		
		<i>For >100 To 250, Add</i>	<i>0.12</i>		
		<i>For >250 To 500, Add</i>	<i>0.05</i>		
		<i>For >4,000, Deduct</i>	<i>-0.02</i>		
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.30		
		<i>For Up To 100, Add</i>	<i>0.18</i>		
		<i>For >100 To 250, Add</i>	<i>0.09</i>		
		<i>For >250 To 500, Add</i>	<i>0.04</i>		
		<i>For >4,000, Deduct</i>	<i>-0.02</i>		

09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	42.72		
		<i>For Up To 4, Add</i>	<i>31.32</i>		
		<i>For >4 To 10, Add</i>	<i>14.65</i>		
		<i>For >10 To 20, Add</i>	<i>6.29</i>		
		<i>For >160, Deduct</i>	<i>-2.14</i>		
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	30.21		
		<i>For Up To 4, Add</i>	<i>21.60</i>		
		<i>For >4 To 10, Add</i>	<i>10.13</i>		
		<i>For >10 To 20, Add</i>	<i>4.36</i>		
		<i>For >160, Deduct</i>	<i>-1.51</i>		

09 Finishes

09 90 Painting and Coating

09 93 Staining and Transparent Finishing

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 93 23 13-0010	Stain Wood Cabinet <small>(09 93 23 13)</small>		
09 93 23 13-0011	SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....		1.06

09 93 23 53 Interior Finishing (09 93 23)

09 93 23 53-0001	Concrete Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0002	SF Finish Concrete Floor, 1 Coat Polyurethane.....		0.61
	<i>For Up To 100, Add</i>	0.38	
	<i>For >100 To 250, Add</i>	0.18	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >4,000, Deduct</i>	-0.03	

09 93 23 53-0003	Wood Trim Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0004	SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....		1.06
	<i>For Up To 100, Add</i>	0.72	
	<i>For >100 To 250, Add</i>	0.34	
	<i>For >250 To 500, Add</i>	0.15	
	<i>For >4,000, Deduct</i>	-0.05	
09 93 23 53-0005	SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....		0.71
	<i>For Up To 100, Add</i>	0.50	
	<i>For >100 To 250, Add</i>	0.23	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >4,000, Deduct</i>	-0.04	

09 93 23 53-0006	Wood Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0007	SF Refinish Wood Floor, 2 Coats Polyurethane.....		2.19
	Note: Includes sanding existing floor.		
	<i>For Up To 100, Add</i>	1.56	
	<i>For >100 To 250, Add</i>	0.73	
	<i>For >250 To 500, Add</i>	0.32	
	<i>For >4,000, Deduct</i>	-0.11	
09 93 23 53-0008	SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....		0.54
	Note: Includes screening between coats.		
	<i>For Up To 100, Add</i>	0.36	
	<i>For >100 To 250, Add</i>	0.17	
	<i>For >250 To 500, Add</i>	0.07	
	<i>For >4,000, Deduct</i>	-0.03	
09 93 23 53-0009	SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....		2.50
	Note: Includes sanding existing floor.		
	<i>For Up To 100, Add</i>	1.77	
	<i>For >100 To 250, Add</i>	0.83	
	<i>For >250 To 500, Add</i>	0.36	
	<i>For >4,000, Deduct</i>	-0.13	

09 93 23 53-0010	Wood Door And Window Finishes <small>(09 93 23 53)</small>		
	See CSI section 08 14 16 00-0659 for factory finish.		
09 93 23 53-0011	EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....		30.85
	<i>For Up To 4, Add</i>	22.57	
	<i>For >4 To 10, Add</i>	10.56	
	<i>For >10 To 20, Add</i>	4.53	
	<i>For >160, Deduct</i>	-1.54	
09 93 23 53-0012	EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....		93.21
	<i>For Up To 4, Add</i>	67.30	
	<i>For >4 To 10, Add</i>	31.54	
	<i>For >10 To 20, Add</i>	13.55	
	<i>For >160, Deduct</i>	-4.66	

09 93 23 53-0013	Cabinet Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0014	SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....		1.06

09 93 23 53-0015	Gym, Stage And Dance Floor Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0016	SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor.....		1.31
	Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017	SF Finish New Elementary School Wood Gym, Stage Or Dance Floor.....		3.12
	Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
	<i>For Stage Or Dance Floors, Deduct</i>	-0.06	
09 93 23 53-0018	SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor.....		3.18
	Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
	<i>For Stage Or Dance Floors, Deduct</i>	-0.06	
09 93 23 53-0019	SF Finish New High School Wood Gym, Stage Or Dance Floor.....		3.25
	Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
	<i>For Stage Or Dance Floors, Deduct</i>	-0.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	3.12		
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.			
		<i>For Stage Or Dance Floors, Deduct</i>	-0.06		
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	3.18		
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.			
		<i>For Stage Or Dance Floors, Deduct</i>	-0.06		
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor	3.25		
		Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.			
		<i>For Stage Or Dance Floors, Deduct</i>	-0.07		

09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.12		
		<i>For Up To 100, Add</i>	0.67		
		<i>For >100 To 250, Add</i>	0.32		
		<i>For >250 To 500, Add</i>	0.14		
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.19		
		<i>For Up To 100, Add</i>	0.68		
		<i>For >100 To 250, Add</i>	0.33		
		<i>For >250 To 500, Add</i>	0.14		

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric Painting (09 96 53)

Note: Per coat.					
09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.66		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.08		
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.14		
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.22		
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work >40' Above Floor, Add</i>	0.30		
		Note: Applied only to work area above 40'.			
		<i>For Up To 100, Add</i>	0.42		
		<i>For >100 To 250, Add</i>	0.20		
		<i>For >250 To 500, Add</i>	0.09		
		<i>For >2,500 To 5,000, Deduct</i>	-0.03		
		<i>For >5,000 To 10,000, Deduct</i>	-0.07		
		<i>For >10,000 To 20,000, Deduct</i>	-0.10		
		<i>For >20,000, Deduct</i>	-0.13		
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.57		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.07		
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.12		
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.18		
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work >40' Above Floor, Add</i>	0.25		
		Note: Applied only to work area above 40'.			
		<i>For Up To 100, Add</i>	0.36		
		<i>For >100 To 250, Add</i>	0.17		
		<i>For >250 To 500, Add</i>	0.07		
		<i>For >2,500 To 5,000, Deduct</i>	-0.03		
		<i>For >5,000 To 10,000, Deduct</i>	-0.06		
		<i>For >10,000 To 20,000, Deduct</i>	-0.09		
		<i>For >20,000, Deduct</i>	-0.11		
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.50		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.05		
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.09		
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.14		
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work >40' Above Floor, Add</i>	0.19		
		Note: Applied only to work area above 40'.			
		<i>For Up To 100, Add</i>	0.29		
		<i>For >100 To 250, Add</i>	0.14		
		<i>For >250 To 500, Add</i>	0.06		
		<i>For >2,500 To 5,000, Deduct</i>	-0.03		
		<i>For >5,000 To 10,000, Deduct</i>	-0.05		
		<i>For >10,000 To 20,000, Deduct</i>	-0.08		
		<i>For >20,000, Deduct</i>	-0.10		

09 Finishes

09 90 Painting and Coating

09 96 High-Performance Coatings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 96 53 00-0005	SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	1.36	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	
09 96 53 00-0006	SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors.....	1.26	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 96 53 00-0007	SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors.....	1.38	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.10	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.16	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 96 53 00-0008	SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.75	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 96 53 00-0009	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.64	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.13	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.21	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead.....	0.56	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.06	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.23	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.33	
		<i>For >100 To 250, Add</i>	0.16	
		<i>For >250 To 500, Add</i>	0.07	
		<i>For >2,500 To 5,000, Deduct</i>	-0.03	
		<i>For >5,000 To 10,000, Deduct</i>	-0.06	
		<i>For >10,000 To 20,000, Deduct</i>	-0.08	
		<i>For >20,000, Deduct</i>	-0.11	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead.....	1.46	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.66	
		<i>For >100 To 250, Add</i>	0.33	
		<i>For >250 To 500, Add</i>	0.15	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.15	
		<i>For >10,000 To 20,000, Deduct</i>	-0.22	
		<i>For >20,000, Deduct</i>	-0.29	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	1.34	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.25	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.57	
		<i>For >100 To 250, Add</i>	0.29	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.13	
		<i>For >10,000 To 20,000, Deduct</i>	-0.20	
		<i>For >20,000, Deduct</i>	-0.27	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead.....	1.45	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.07	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.26	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.51	
		<i>For >100 To 250, Add</i>	0.27	
		<i>For >250 To 500, Add</i>	0.12	
		<i>For >2,500 To 5,000, Deduct</i>	-0.07	
		<i>For >5,000 To 10,000, Deduct</i>	-0.15	
		<i>For >10,000 To 20,000, Deduct</i>	-0.22	
		<i>For >20,000, Deduct</i>	-0.29	

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001	High Build Epoxy			
09 96 56 00-0002	SF	50 Mil, High Build Epoxy.....	2.87	

09 96 56 00-0003	Laminated Epoxy With Fiberglass			
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass.....	4.52	

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001	Troweled On			
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.63	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On.....	6.50	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On.....	9.78	

09 96 66 00-0005	Sprayed On			
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On.....	2.97	

09 97 Special Coatings (09 90)

09 Finishes

09 90 Painting and Coating

09 97 Special Coatings

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 97 26	Cementitious Coatings	<i>(09 97)</i>		
09 97 26 13	Interior Cementitious Coatings	<i>(09 97 26)</i>		
09 97 26 13-0001	Ceramic-Like Glazed Coating	<i>(09 97 26 13)</i>		
09 97 26 13-0002	Ceramic-Like Glazed Coating, Cementitious	<i>(09 97 26 13-0001)</i>		
09 97 26 13-0003	SF Ceramic-like Glazed Coating, - Cementitious			2.37
09 97 26 13-0004	Ceramic-Like Glazed Coating, Resin Base	<i>(09 97 26 13-0001)</i>		
09 97 26 13-0005	SF Ceramic-like Glazed Coating - Resin			1.94
09 97 35	Dry Erase Coatings	<i>(09 97)</i>		
09 97 35 00-0001	Dry-Erase Paint	<i>(09 97 35)</i>		
09 97 35 00-0002	Dry-Erase Paint (IdeaPaint™ PRO)	<i>(09 97 35 00-0001)</i>		
09 97 35 00-0003	SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller			8.87
	Note: Includes two coats of primer and white, white sand, light beige or light gray surface.			
09 97 35 00-0004	Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE)	<i>(09 97 35 00-0001)</i>		
09 97 35 00-0005	SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller			4.89
	Note: For application over existing latex-based top coats.			
09 97 35 00-0006	SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller			9.48
	Note: Includes two coats of primer and white or black surface coat.			
09 97 63	Special Coatings and Protection Systems	<i>(09 97)</i>		
09 97 63 00-0001	Acrylic Glazed Coating	<i>(09 97 63)</i>		
09 97 63 00-0002	SF Acrylic Glazed Coating			1.49
09 97 63 00-0003	VanHearron Sealers And Cleaners	<i>(09 97 63)</i>		
09 97 63 00-0004	SF Vertical Or Horizontal Exterior Above Grade Tile And Stone Sealer (VanHearron Top Tile)			0.39
09 97 63 00-0005	SF Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Water Repellent (VanHearron Solo Seal)			0.36
09 97 63 00-0006	SF Chemical Hardener, Densifier, Soluble Chloride Reducer For Cementitious Materials (VanHearron Deep Seal)			0.34
09 97 63 00-0007	SF Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Grout Sealer/Densifier And Stain Inhibitor (VanHearron Top Grout)			0.33
09 97 63 00-0008	SF Self Sealing Mix For Grout And Mortar - Material Only (VanHearron Grout Once!)			0.26
09 97 63 00-0009	SF Water, Oil And Graffiti Resistant Treatment For Concrete, Porous Tile, Cast Stone, Paving, Sandstone, Limestone, Brick, Grout And Some Natural Stones (VanHearron Stain Guard 5000)			1.20
09 97 63 00-0010	SF Stone Enhancer And Sealant (VanHearron Inhance)			1.07
09 97 63 00-0011	SF Low Effort Cleaner/Degreaser (VanHearron Mighty Indigo)			0.34
09 97 63 00-0012	SF Safe Restoration Cleaner (VanHearron Efflorescence Remover)			0.46
09 97 63 00-0013	SF Cleaner (VanHearron Mold And Mildew Remover)			0.34
09 97 63 00-0014	SF Wood Restore (VanHearron Grey No More)			0.34
09 97 63 00-0015	SF Safe Masonry Detergent (VanHearron Brick Wash)			0.46

END OF SECTION 09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40) <small>Note: Includes removal, filling, testing, certification and reinstallation.</small>		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher		12.37
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher		13.75
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher		14.30
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher		16.18
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher		18.70
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher		14.93
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher		18.07
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher		25.53
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher		40.30
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher		14.77
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....		105.28
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....		147.39
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....		60.68

10 01 50 Operation and Maintenance of Storage Specialties ^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door.....		280.90
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door		220.65
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door		188.53
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door		158.49
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door.....		84.91
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure		35.64
10 01 50 11-0008	EA Patch Small Drill Holes In Locker.....		7.13

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 11)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001) <small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.</small>		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....		35.90
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		23.01
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		19.89
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		16.53
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		13.86
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001) <small>Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.</small>		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		37.99
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....		25.05
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....		21.76
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard		18.80
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....		16.09
10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001) <small>Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.</small>		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....		34.61

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 11 13 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	21.70	3.15
10 11 13 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.63	2.72
10 11 13 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	15.48	1.78
10 11 13 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	12.69	0.99
10 11 13 13-0020	Field Applied Chalkboard And Accessories <small>(10 11 13 13)</small>		
10 11 13 13-0021	Chalkboard Face Sheets And Panels <small>(10 11 13 13-0020)</small>		
10 11 13 13-0022	SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)..... Note: Includes porcelain enamel steel chalkboard skin.	11.91	3.15
10 11 13 13-0023	SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)..... Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	14.23	3.15
10 11 13 13-0024	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 13 13-0020)</small>		
10 11 13 13-0025	LF Chalk And Marker Tray, Field Applied.....	13.55	4.33
10 11 13 13-0026	PR Chalk And Marker Tray End Closures, Field Applied.....	19.50	7.88
10 11 13 13-0027	LF Mullion Trim For Chalkboards And Markerboards, Field Applied.....	10.27	4.33
10 11 13 13-0028	LF Screw On Trim For Chalkboards And Markerboards, Field Applied.....	10.52	4.33
10 11 13 13-0029	LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	11.28	4.33
10 11 13 13-0030	LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	11.91	4.33
10 11 13 13-0031	LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	10.92	4.33
10 11 13 13-0032	Removal And Reinstallation Of Chalkboards <small>(10 11 13 13)</small>		
	Note: Includes storage and cleaning.		
10 11 13 13-0033	SF Removal And Reinstallation Of Chalkboard.....	8.25	
10 11 13 33	Rail-Mounted Chalkboards <small>(10 11 13)</small>		
10 11 13 33-0001	Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) <small>(10 11 13 33)</small>		
10 11 13 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,665.17	78.80
10 11 13 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,870.04	78.80
10 11 13 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,118.30	83.93
10 11 13 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,356.33	83.93
10 11 13 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,936.99	90.23
10 11 13 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,126.86	90.23
10 11 13 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,533.42	94.56
10 11 13 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,004.74	94.56
10 11 13 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,276.27	78.80
10 11 13 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,700.62	78.80
10 11 13 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,091.01	83.93
10 11 13 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,480.62	83.93
10 11 13 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,968.12	90.23
10 11 13 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,139.83	90.23
10 11 13 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,855.09	94.56
10 11 13 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,428.26	94.56
10 11 13 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,536.81	78.80
10 11 13 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,883.79	78.80
10 11 13 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,259.18	83.93
10 11 13 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,657.48	83.93
10 11 13 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,429.21	90.23
10 11 13 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,611.97	90.23
10 11 13 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,446.45	94.56
10 11 13 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,080.86	94.56
10 11 13 33-0029	Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	1,990.84	78.80
10 11 13 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,197.28	78.80
10 11 13 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,402.91	83.93
10 11 13 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,761.33	83.93
10 11 13 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,024.98	90.23
10 11 13 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,355.76	90.23

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0037	Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,920.84	78.80
10 11 13 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,241.36	78.80
10 11 13 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,562.64	83.93
10 11 13 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,152.36	83.93
10 11 13 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,519.40	90.23
10 11 13 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,054.64	90.23

10 11 13 33-0044	Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045	EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,989.01	78.80
10 11 13 33-0046	EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,425.97	78.80
10 11 13 33-0047	EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,863.69	83.93
10 11 13 33-0048	EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,683.92	83.93
10 11 13 33-0049	EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,163.83	90.23
10 11 13 33-0050	EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,917.74	90.23

10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) (10 11 13 33)
 Note: Excludes remotes.

10 11 13 33-0052	One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0053	EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,398.07	157.61
10 11 13 33-0054	EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,580.92	157.61
10 11 13 33-0055	EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,784.68	162.53
10 11 13 33-0056	EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,119.60	162.53
10 11 13 33-0057	EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,489.63	167.45
10 11 13 33-0058	EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,812.71	167.45
10 11 13 33-0059	EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,515.51	177.30
10 11 13 33-0060	EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,604.88	177.30

10 11 13 33-0061	Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062	EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,066.54	157.61
10 11 13 33-0063	EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,308.29	157.61
10 11 13 33-0064	EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,578.05	162.53
10 11 13 33-0065	EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,070.25	162.53
10 11 13 33-0066	EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,559.66	167.45
10 11 13 33-0067	EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,027.38	167.45
10 11 13 33-0068	EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,976.67	177.30
10 11 13 33-0069	EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,118.31	177.30

10 11 13 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,078.91	157.61
10 11 13 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,689.06	157.61
10 11 13 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,012.19	162.53
10 11 13 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,652.19	162.53
10 11 13 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,324.93	167.45
10 11 13 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,972.03	167.45
10 11 13 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,248.34	177.30
10 11 13 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,497.52	177.30

10 11 13 33-0079	Sliding Chalkboard And Markerboard Accessories <small>(10 11 13 33)</small>		
10 11 13 33-0080	EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	480.81	
10 11 13 33-0081	EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	821.10	

10 11 16 Markerboards (10 11)

10 11 16 13 Fixed Markerboards (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001	Porcelain Enamel Steel Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>		
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	36.03	6.70
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.47	3.15
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.89	2.72
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	16.70	1.78
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	13.68	0.99

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	38.02		6.70
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	24.06		3.15
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	20.78		2.72
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	17.82		1.78
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	15.51		0.99
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.			
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	34.60		6.70
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	21.70		3.15
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	19.59		2.72
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	15.58		1.78
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	12.46		0.99
10 11 16 13-0020		Melamine Markerboards <small>(10 11 16 13)</small>			
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	28.53		6.70
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	17.52		3.15
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	15.20		2.72
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.44		1.78
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	9.30		0.99
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.			
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	27.86		6.70
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	17.21		3.15
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	14.76		2.72
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	10.65		1.78
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	8.58		0.99
10 11 16 13-0033		Nonporous, Non-Staining Markerboards <small>(10 11 16 13)</small>			
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	37.95		6.70
		<i>For Magnetic Surface, Add</i>	2.46		
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	24.98		3.15
		<i>For Magnetic Surface, Add</i>	1.87		
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	21.54		2.72
		<i>For Magnetic Surface, Add</i>	1.61		
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	19.01		1.78
		<i>For Magnetic Surface, Add</i>	1.55		
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	16.40		0.99
		<i>For Magnetic Surface, Add</i>	1.44		
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	37.95		6.70
		<i>For Magnetic Surface, Add</i>	2.46		
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	24.98		3.15
		<i>For Magnetic Surface, Add</i>	1.87		
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	21.54		2.72
		<i>For Magnetic Surface, Add</i>	1.61		
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	19.01		1.78
		<i>For Magnetic Surface, Add</i>	1.55		
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	16.40		0.99
		<i>For Magnetic Surface, Add</i>	1.44		
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	68.36		6.70
		<i>For Magnetic Surface, Add</i>	5.50		
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	43.25		3.15
		<i>For Magnetic Surface, Add</i>	3.70		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	36.55 3.11	2.72
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	30.89 2.74	1.78
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	23.98 2.20	0.99
10 11 16 13-0052			Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	17.04	2.72
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	14.55	1.78
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	12.23	0.99
10 11 16 13-0056			Removal And Reinstallation Of Markerboard <small>(10 11 16 13)</small> Note: Includes storage and cleaning.		
10 11 16 13-0057	EA		Up To 6 SF, Removal And Reinstallation Of Markerboard	47.28	
10 11 16 13-0058	EA		>6 To 12 SF, Removal And Reinstallation Of Markerboard	55.16	
10 11 16 13-0059	EA		>12 To 16 SF, Removal And Reinstallation Of Markerboard	63.05	
10 11 16 13-0060	EA		>16 To 24 SF, Removal And Reinstallation Of Markerboard	70.92	
10 11 16 13-0061	EA		>24 SF, Removal And Reinstallation Of Markerboard	78.80	
10 11 16 13-0062			Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063			Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF		Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	11.72	3.15
10 11 16 13-0065	SF		Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	13.81	3.15
10 11 16 13-0066	SF		Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	13.76	3.15
10 11 16 13-0067	SF		Melamine Markerboard Panel (Claridge 1032)	7.95	3.15
10 11 16 13-0068			Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0024 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33			Rail-Mounted Markerboards <small>(10 11 16)</small>		
10 11 16 33-0001			Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002			Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003	EA		4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,645.08	78.80
10 11 16 33-0004	EA		4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,843.26	78.80
10 11 16 33-0005	EA		4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,084.83	83.93
10 11 16 33-0006	EA		4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,316.16	83.93
10 11 16 33-0007	EA		4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,890.13	90.23
10 11 16 33-0008	EA		4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,073.30	90.23
10 11 16 33-0009	EA		4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,466.47	94.56
10 11 16 33-0010	EA		4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,924.40	94.56
10 11 16 33-0011			Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012	EA		4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,256.18	78.80
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,673.84	78.80
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,057.53	83.93
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,440.45	83.93
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,921.25	90.23
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,086.26	90.23
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,788.14	94.56
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,347.92	94.56
10 11 16 33-0020			Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,516.73	78.80
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,857.01	78.80
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,225.70	83.93
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,617.31	83.93
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,382.34	90.23
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,558.40	90.23
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,379.50	94.56
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,020.60	94.56

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>			
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	1,964.05		78.80
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,163.81		78.80
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,362.74		83.93
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,707.77		83.93
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,958.03		90.23
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,275.42		90.23
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,867.28		78.80
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,174.40		78.80
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,482.30		83.93
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,045.23		83.93
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,385.50		90.23
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,893.95		90.23
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>			
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,908.67		78.80
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,325.54		78.80
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,743.18		83.93
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,523.23		83.93
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,962.98		90.23
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,676.71		90.23
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>			
		Note: Excludes remotes.			
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,364.59		157.61
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,539.07		157.61
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,734.46		162.53
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,052.65		162.53
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,405.94		167.45
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,712.28		167.45
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,398.34		177.30
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,470.98		177.30
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,999.59		157.61
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,224.60		157.61
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,477.63		162.53
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,936.34		162.53
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,392.28		167.45
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,826.52		167.45
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,742.34		177.30
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,850.50		177.30
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>			
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,978.48		157.61
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,563.52		157.61
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,861.55		162.53
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,451.33		162.53
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,073.86		167.45
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,670.74		167.45
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,896.84		177.30
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,095.80		177.30
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small>			
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.			

10 11 23 Tackboards (10 11)**10 11 23 13 Fixed Tackboards** (10 11 23)

Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0001			Fixed Tackboards <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002			Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003			5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	23.99	6.70
10 11 23 13-0005	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.67	3.15
10 11 23 13-0006	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.84	2.72
10 11 23 13-0007	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.46	1.78
10 11 23 13-0008	SF		>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.74	0.99
10 11 23 13-0009			1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF		Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	25.24	6.70
10 11 23 13-0011	SF		>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.25	3.15
10 11 23 13-0012	SF		>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.55	2.72
10 11 23 13-0013	SF		>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.00	1.78
10 11 23 13-0014	SF		>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.02	0.99
10 11 23 13-0015			1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0016	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	25.37	6.70
10 11 23 13-0017	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	15.46	3.15
10 11 23 13-0018	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	14.31	2.72
10 11 23 13-0019	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	11.01	1.78
10 11 23 13-0020	SF		>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	8.71	0.99
10 11 23 13-0021			Burlap Backed Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022			5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0023	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	27.61	6.70
10 11 23 13-0024	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.01	3.15
10 11 23 13-0025	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.43	2.72
10 11 23 13-0026	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.07	1.78
10 11 23 13-0027	SF		>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	12.43	0.99
10 11 23 13-0028			1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0029	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	30.64	6.70
10 11 23 13-0030	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	21.24	3.15
10 11 23 13-0031	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	19.69	2.72
10 11 23 13-0032	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.44	1.78
10 11 23 13-0033	SF		>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.16	0.99
10 11 23 13-0034			Polyester Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035			5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	24.85	6.70
10 11 23 13-0037	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.72	3.15
10 11 23 13-0038	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	13.03	2.72
10 11 23 13-0039	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.68	1.78
10 11 23 13-0040	SF		>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	8.83	0.99
10 11 23 13-0041			1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	26.56	6.70
10 11 23 13-0043	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.94	3.15
10 11 23 13-0044	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.69	2.72
10 11 23 13-0045	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.52	1.78
10 11 23 13-0046	SF		>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.28	0.99
10 11 23 13-0047			Vinyl Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048			5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	23.99	6.70
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	13.73	3.15
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.94	2.72

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.46	1.78
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	7.60	0.99
10 11 23 13-0054			1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	25.37	6.70
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.08	3.15
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.31	2.72
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.01	1.78
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	8.71	0.99
10 13 Directories (10 10)					
10 13 11 Directory and Bulletin Boards (10 13)					
			Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001			Wall Mounted Directories (10 13 11) Note: Includes changeable letters.		
10 13 11 00-0002			Open Face, Wall Mounted Directories (10 13 11 00-0001) Note: Includes vinyl or felt back panel.		
10 13 11 00-0003			Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) (10 13 11 00-0002)		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	39.98	6.70
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	26.24	3.15
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	23.85	2.72
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	18.24	1.78
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory	14.60	0.99
10 13 11 00-0009			Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)		
10 13 11 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	40.38	6.70
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	26.50	3.15
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	24.38	2.72
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	17.39	1.78
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	15.00	0.99
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0015			Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016			Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0017			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)		
10 13 11 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	99.33	6.70
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	79.79	3.15
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0020	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	66.82	2.72
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0021	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	61.93	1.78
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0022	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	56.05	0.99
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0023			Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)		
10 13 11 00-0024	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	85.38	6.70
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0025	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	69.01	2.72
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0026	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	49.50	1.78
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0027	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	44.60	0.99
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0028			Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029			Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	88.87	6.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.09	
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	68.94	3.15
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.53	
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	58.34	2.72
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	10.58	
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	42.89	1.78
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	7.87	
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	40.07	0.99
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	7.62	
10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	137.16	6.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	24.75	
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	79.74	3.15
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.69	
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	67.17	2.72
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.35	
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	51.80	1.78
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.65	
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	47.97	0.99
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.20	
10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	134.72	6.70
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	90.07	3.15
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	87.54	2.72
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0047 Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	96.96	6.70
For Fluorescent Lights, Add	15.00	
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	78.02	3.15
For Fluorescent Lights, Add	15.00	
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	65.04	2.72
For Fluorescent Lights, Add	15.00	
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	60.25	1.78
For Fluorescent Lights, Add	15.00	
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	55.26	0.99
For Fluorescent Lights, Add	15.00	

10 Specialties**10 10 Information Specialties****10 13 Directories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 13 11 00-0056	Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057	SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	81.17 15.00	6.70
10 13 11 00-0058	SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	65.01 15.00	2.72
10 13 11 00-0059	SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	46.40 15.00	1.78
10 13 11 00-0060	SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	42.24 15.00	0.99
10 13 11 00-0061	Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0048)</small>		
10 13 11 00-0062	Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063	SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	91.04 15.00 12.00 15.53	6.70
10 13 11 00-0064	SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	71.11 15.00 12.00 12.96	3.15
10 13 11 00-0065	SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	60.50 15.00 12.00 11.01	2.72
10 13 11 00-0066	SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	45.06 15.00 12.00 8.30	1.78
10 13 11 00-0067	SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	42.24 15.00 12.00 8.05	0.99
10 13 11 00-0068	Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0061)</small>		
10 13 11 00-0069	SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	139.33 15.00 12.00 25.19	6.70
10 13 11 00-0070	SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	81.90 15.00 12.00 15.12	3.15
10 13 11 00-0071	SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	69.33 15.00 12.00 12.78	2.72
10 13 11 00-0072	SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	53.97 15.00 12.00 10.09	1.78
10 13 11 00-0073	SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	50.13 15.00 12.00 9.63	0.99
10 13 11 00-0074	Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075	Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0074)</small>		
10 13 11 00-0076	Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 11 00-0075)</small>		
10 13 11 00-0077	SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	132.56 15.00 12.00	6.70
10 13 11 00-0078	SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	87.90 15.00 12.00	3.15
10 13 11 00-0079	SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	85.40 15.00 12.00	2.72

10 14 Signage (10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 23 Panel Signage (10 14)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11 Panel Signage (10 14 23)

10 14 23 11-0001			Indoor/Outdoor Signs <small>(10 14 23 11)</small> Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002			Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0003			Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA		Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	27.60	8.91
			For >25 To 50, Deduct	-0.98	
			For >50 To 100, Deduct	-2.44	
			For >100, Deduct	-2.93	
			For Clear Glass Mount, Add	7.82	
			For Glow-In-Dark, Add	19.54	
			For Reflective Finish, Add	21.98	
10 14 23 11-0005	EA		>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	34.58	8.91
			For >25 To 50, Deduct	-1.68	
			For >50 To 100, Deduct	-4.19	
			For >100, Deduct	-5.03	
			For Clear Glass Mount, Add	13.40	
			For Glow-In-Dark, Add	33.50	
			For Reflective Finish, Add	37.09	
10 14 23 11-0006	EA		>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	45.75	8.91
			For >25 To 50, Deduct	-2.79	
			For >50 To 100, Deduct	-6.98	
			For >100, Deduct	-8.38	
			For Clear Glass Mount, Add	22.34	
			For Glow-In-Dark, Add	55.84	
			For Reflective Finish, Add	62.82	
10 14 23 11-0007	EA		>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	59.71	8.91
			For >25 To 50, Deduct	-4.19	
			For >50 To 100, Deduct	-10.47	
			For >100, Deduct	-12.56	
			For Clear Glass Mount, Add	33.50	
			For Glow-In-Dark, Add	83.76	
			For Reflective Finish, Add	94.23	
10 14 23 11-0008	EA		>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	84.84	8.91
			For >25 To 50, Deduct	-6.70	
			For >50 To 100, Deduct	-16.75	
			For >100, Deduct	-20.10	
			For Clear Glass Mount, Add	53.61	
			For Glow-In-Dark, Add	134.02	
			For Reflective Finish, Add	150.77	
10 14 23 11-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	129.51	8.91
			For >25 To 50, Deduct	-11.17	
			For >50 To 100, Deduct	-27.92	
			For >100, Deduct	-33.50	
			For Clear Glass Mount, Add	89.34	
			For Glow-In-Dark, Add	223.36	
			For Reflective Finish, Add	251.28	
10 14 23 11-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	185.35	8.91
			For >25 To 50, Deduct	-16.75	
			For >50 To 100, Deduct	-41.88	
			For >100, Deduct	-50.26	
			For Clear Glass Mount, Add	134.02	
			For Glow-In-Dark, Add	335.04	
			For Reflective Finish, Add	376.92	
10 14 23 11-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.21	0.01
			For Clear Glass Mount, Add	0.15	
			For Glow-In-Dark, Add	0.38	
			For Reflective Finish, Add	0.43	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

10 14 23 11-0012			<small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.39	8.91
			For >25 To 50, Deduct	-1.26	
			For >50 To 100, Deduct	-3.14	
			For >100, Deduct	-3.77	
			For Glow-In-Dark, Add	25.12	
			For Reflective Finish, Add	27.00	
10 14 23 11-0014	EA		>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	37.37	8.91
			For >25 To 50, Deduct	-1.95	
			For >50 To 100, Deduct	-4.89	
			For >100, Deduct	-5.86	
			For Glow-In-Dark, Add	39.08	
			For Reflective Finish, Add	42.01	
10 14 23 11-0015	EA		>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	51.33	8.91
			For >25 To 50, Deduct	-3.35	
			For >50 To 100, Deduct	-8.38	
			For >100, Deduct	-10.05	
			For Glow-In-Dark, Add	67.00	
			For Reflective Finish, Add	72.03	
10 14 23 11-0016	EA		>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	65.29	8.91
			For >25 To 50, Deduct	-4.75	
			For >50 To 100, Deduct	-11.87	
			For >100, Deduct	-14.24	
			For Glow-In-Dark, Add	94.92	
			For Reflective Finish, Add	102.04	

10 Specialties
10 10 Information Specialties
10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	86.23	8.91
			<i>For >25 To 50, Deduct</i>	-6.84	
			<i>For >50 To 100, Deduct</i>	-17.10	
			<i>For >100, Deduct</i>	-20.52	
			<i>For Glow-In-Dark, Add</i>	136.80	
			<i>For Reflective Finish, Add</i>	147.06	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	107.17	8.91
			<i>For >25 To 50, Deduct</i>	-8.93	
			<i>For >50 To 100, Deduct</i>	-22.34	
			<i>For >100, Deduct</i>	-26.80	
			<i>For Glow-In-Dark, Add</i>	178.68	
			<i>For Reflective Finish, Add</i>	192.08	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	129.51	8.91
			<i>For >25 To 50, Deduct</i>	-11.17	
			<i>For >50 To 100, Deduct</i>	-27.92	
			<i>For >100, Deduct</i>	-33.50	
			<i>For Glow-In-Dark, Add</i>	223.36	
			<i>For Reflective Finish, Add</i>	240.11	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.14	0.01
			<i>For Glow-In-Dark, Add</i>	0.24	
			<i>For Reflective Finish, Add</i>	0.26	
10 14 23 11-0021			Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	51.33	8.91
			<i>For >25 To 50, Deduct</i>	-3.35	
			<i>For >50 To 100, Deduct</i>	-8.38	
			<i>For >100, Deduct</i>	-10.05	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	59.71	8.91
			<i>For >25 To 50, Deduct</i>	-4.19	
			<i>For >50 To 100, Deduct</i>	-10.47	
			<i>For >100, Deduct</i>	-12.56	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	73.67	8.91
			<i>For >25 To 50, Deduct</i>	-5.58	
			<i>For >50 To 100, Deduct</i>	-13.96	
			<i>For >100, Deduct</i>	-16.75	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	86.79	8.91
			<i>For >25 To 50, Deduct</i>	-6.90	
			<i>For >50 To 100, Deduct</i>	-17.24	
			<i>For >100, Deduct</i>	-20.69	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.96	0.09
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
10 14 23 11-0027			Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	70.88	8.91
			<i>For >25 To 50, Deduct</i>	-5.31	
			<i>For >50 To 100, Deduct</i>	-13.26	
			<i>For >100, Deduct</i>	-15.92	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	87.63	8.91
			<i>For >25 To 50, Deduct</i>	-6.98	
			<i>For >50 To 100, Deduct</i>	-17.45	
			<i>For >100, Deduct</i>	-20.94	
			<i>For Molded Plastic Frame, Add</i>	17.00	
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	109.97	8.91
			<i>For >25 To 50, Deduct</i>	-9.21	
			<i>For >50 To 100, Deduct</i>	-23.04	
			<i>For >100, Deduct</i>	-27.64	
			<i>For Molded Plastic Frame, Add</i>	19.00	
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	154.64	8.91
			<i>For >25 To 50, Deduct</i>	-13.68	
			<i>For >50 To 100, Deduct</i>	-34.20	
			<i>For >100, Deduct</i>	-41.04	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	1.55	0.09
			<i>For Molded Plastic Frame, Add</i>	0.20	
10 14 23 11-0033			Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	29.00	8.91
			<i>For >25 To 50, Deduct</i>	-1.12	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100, Deduct</i>	-3.35	
			<i>For Glow-In-Dark, Add</i>	6.70	
			<i>For Reflective Finish, Add</i>	8.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0035	EA	>25 To 50 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	37.37	8.91	
		<i>For >25 To 50, Deduct</i>	-1.95		
		<i>For >50 To 100, Deduct</i>	-4.89		
		<i>For >100, Deduct</i>	-5.86		
		<i>For Glow-In-Dark, Add</i>	11.72		
		<i>For Reflective Finish, Add</i>	14.66		
10 14 23 11-0036	EA	>50 To 100 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	54.13	8.91	
		<i>For >25 To 50, Deduct</i>	-3.63		
		<i>For >50 To 100, Deduct</i>	-9.08		
		<i>For >100, Deduct</i>	-10.89		
		<i>For Glow-In-Dark, Add</i>	21.78		
		<i>For Reflective Finish, Add</i>	27.23		
10 14 23 11-0037	EA	>100 To 250 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	73.67	8.91	
		<i>For >25 To 50, Deduct</i>	-5.58		
		<i>For >50 To 100, Deduct</i>	-13.96		
		<i>For >100, Deduct</i>	-16.75		
		<i>For Glow-In-Dark, Add</i>	33.50		
		<i>For Reflective Finish, Add</i>	41.88		
10 14 23 11-0038	EA	>250 To 500 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	132.30	8.91	
		<i>For >25 To 50, Deduct</i>	-11.45		
		<i>For >50 To 100, Deduct</i>	-28.62		
		<i>For >100, Deduct</i>	-34.34		
		<i>For Glow-In-Dark, Add</i>	68.68		
		<i>For Reflective Finish, Add</i>	85.85		
10 14 23 11-0039	EA	>500 To 750 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	157.43	8.91	
		<i>For >25 To 50, Deduct</i>	-13.96		
		<i>For >50 To 100, Deduct</i>	-34.90		
		<i>For >100, Deduct</i>	-41.88		
		<i>For Glow-In-Dark, Add</i>	83.76		
		<i>For Reflective Finish, Add</i>	104.70		
10 14 23 11-0040	EA	>750 To 1,000 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	190.93	8.91	
		<i>For >25 To 50, Deduct</i>	-17.31		
		<i>For >50 To 100, Deduct</i>	-43.28		
		<i>For >100, Deduct</i>	-51.93		
		<i>For Glow-In-Dark, Add</i>	103.86		
		<i>For Reflective Finish, Add</i>	129.83		
10 14 23 11-0041	SI	>1,000 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.21	0.01	
		<i>For Glow-In-Dark, Add</i>	0.11		
		<i>For Reflective Finish, Add</i>	0.14		

10 14 23 11-0042 Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)

10 14 23 11-0043 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0042)

10 14 23 11-0044	EA	Up To 25 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	40.32	12.47	
		<i>For >25 To 50, Deduct</i>	-1.54		
		<i>For >50 To 100, Deduct</i>	-3.84		
		<i>For >100, Deduct</i>	-4.61		
		<i>For Glow-In-Dark, Add</i>	9.22		
		<i>For Reflective Finish, Add</i>	11.52		
10 14 23 11-0045	EA	>25 To 50 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	52.88	12.47	
		<i>For >25 To 50, Deduct</i>	-2.79		
		<i>For >50 To 100, Deduct</i>	-6.98		
		<i>For >100, Deduct</i>	-8.38		
		<i>For Glow-In-Dark, Add</i>	16.75		
		<i>For Reflective Finish, Add</i>	20.94		
10 14 23 11-0046	EA	>50 To 100 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	69.63	12.47	
		<i>For >25 To 50, Deduct</i>	-4.47		
		<i>For >50 To 100, Deduct</i>	-11.17		
		<i>For >100, Deduct</i>	-13.40		
		<i>For Glow-In-Dark, Add</i>	26.80		
		<i>For Reflective Finish, Add</i>	33.50		
10 14 23 11-0047	EA	>100 To 150 Sl, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	94.76	12.47	
		<i>For >25 To 50, Deduct</i>	-6.98		
		<i>For >50 To 100, Deduct</i>	-17.45		
		<i>For >100, Deduct</i>	-20.94		
		<i>For Glow-In-Dark, Add</i>	41.88		
		<i>For Reflective Finish, Add</i>	52.35		

10 14 23 11-0048 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)

10 14 23 11-0049 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0048)

10 14 23 11-0050	EA	Up To 25 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	41.71	12.47	
		<i>For >25 To 50, Deduct</i>	-1.68		
		<i>For >50 To 100, Deduct</i>	-4.19		
		<i>For >100, Deduct</i>	-5.03		
		<i>For Glow-In-Dark, Add</i>	10.05		
		<i>For Reflective Finish, Add</i>	12.56		
10 14 23 11-0051	EA	>25 To 50 Sl, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	55.67	12.47	
		<i>For >25 To 50, Deduct</i>	-3.07		
		<i>For >50 To 100, Deduct</i>	-7.68		
		<i>For >100, Deduct</i>	-9.21		
		<i>For Glow-In-Dark, Add</i>	18.43		
		<i>For Reflective Finish, Add</i>	23.03		

10 Specialties
10 10 Information Specialties
10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0052	EA		>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	86.38	12.47
			<i>For >25 To 50, Deduct</i>	-6.14	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100, Deduct</i>	-18.43	
			<i>For Glow-In-Dark, Add</i>	36.85	
			<i>For Reflective Finish, Add</i>	46.07	
10 14 23 11-0053	EA		>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	97.55	12.47
			<i>For >25 To 50, Deduct</i>	-7.26	
			<i>For >50 To 100, Deduct</i>	-18.15	
			<i>For >100, Deduct</i>	-21.78	
			<i>For Glow-In-Dark, Add</i>	43.55	
			<i>For Reflective Finish, Add</i>	54.44	
10 14 23 11-0054			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0055			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0054)</small>		
10 14 23 11-0056	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	45.90	12.47
			<i>For >25 To 50, Deduct</i>	-2.09	
			<i>For >50 To 100, Deduct</i>	-5.24	
			<i>For >100, Deduct</i>	-6.28	
			<i>For Glow-In-Dark, Add</i>	12.56	
			<i>For Reflective Finish, Add</i>	15.71	
10 14 23 11-0057	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	66.84	12.47
			<i>For >25 To 50, Deduct</i>	-4.19	
			<i>For >50 To 100, Deduct</i>	-10.47	
			<i>For >100, Deduct</i>	-12.56	
			<i>For Glow-In-Dark, Add</i>	25.13	
			<i>For Reflective Finish, Add</i>	31.41	
10 14 23 11-0058	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	75.22	12.47
			<i>For >25 To 50, Deduct</i>	-5.03	
			<i>For >50 To 100, Deduct</i>	-12.57	
			<i>For >100, Deduct</i>	-15.08	
			<i>For Glow-In-Dark, Add</i>	30.16	
			<i>For Reflective Finish, Add</i>	37.70	
10 14 23 11-0059	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	86.38	12.47
			<i>For >25 To 50, Deduct</i>	-6.14	
			<i>For >50 To 100, Deduct</i>	-15.36	
			<i>For >100, Deduct</i>	-18.43	
			<i>For Glow-In-Dark, Add</i>	36.85	
			<i>For Reflective Finish, Add</i>	46.07	
10 14 23 11-0060			Standoffs For Wall Signage <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0061	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff	10.32	3.94
10 14 23 11-0062	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff	10.64	3.94
10 14 23 11-0063	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff	10.72	3.94
10 14 23 11-0064	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff	11.27	3.94
10 14 23 11-0065	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff	11.59	3.94
10 14 23 11-0066	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff	12.22	3.94
10 14 23 11-0067	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff	12.14	4.72
10 14 23 11-0068	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff	13.01	4.72
10 14 23 11-0069	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	13.72	4.72
10 14 23 11-0070	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff	14.51	4.72
10 14 23 11-0071	EA		1" Diameter x 1" Long, Stainless Steel Standoff	15.54	4.72
10 14 23 11-0072	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff	16.80	4.72
10 14 23 11-0073	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	11.51	3.94
10 14 23 11-0074	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	11.75	3.94
10 14 23 11-0075	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	12.85	4.72
10 14 23 11-0076	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff.....	13.09	4.72
10 14 23 11-0077	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff.....	14.19	4.72
10 14 23 11-0078	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	14.35	4.72
10 14 23 11-0079			Removal And Reinstallation Of Building Signage <small>(10 14 23 11)</small>		
			Note: Includes storage and cleaning.		
10 14 23 11-0080	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	137.91	
10 14 23 11-0081	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	158.79	
10 14 23 11-0082	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	178.48	
10 14 23 11-0083	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	53.47	
10 14 53			Traffic Signage <small>(10 14)</small>		
10 14 53 11			Traffic Signage <small>(10 14 53)</small>		
10 14 53 11-0001			Traffic Signs <small>(10 14 53 11)</small>		
10 14 53 11-0002			Reflectorized Stop Signs And Other Traffic Signs <small>(10 14 53 11-0001)</small>		
			Note: Excludes posts.		
10 14 53 11-0003			Aluminum Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0004	EA		18" x 18" Aluminum Engineer Grade Stop Sign.....	58.18	16.04
			<i>For Hi-Intensity Grade, Add</i>	7.83	
			<i>For Diamond Grade, Add</i>	14.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign.....	68.00	16.97
			<i>For Hi-Intensity Grade, Add</i>	10.24	
			<i>For Diamond Grade, Add</i>	19.45	
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign.....	73.80	17.83
			<i>For Hi-Intensity Grade, Add</i>	15.64	
			<i>For Diamond Grade, Add</i>	24.80	
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign.....	86.29	18.75
			<i>For Hi-Intensity Grade, Add</i>	5.86	
			<i>For Diamond Grade, Add</i>	31.75	
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign.....	117.51	19.61
			<i>For Hi-Intensity Grade, Add</i>	17.23	
			<i>For Diamond Grade, Add</i>	54.03	
10 14 53 11-0009			Other ReflectORIZED Traffic Signs <small>(10 14 53 11-0002)</small>		
			Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0010			Aluminum Engineer Grade Traffic Signs <small>(10 14 53 11-0009)</small>		
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign.....	35.00	14.26
			<i>For Hi-Intensity Grade, Add</i>	1.94	
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign.....	38.23	14.26
			<i>For Hi-Intensity Grade, Add</i>	2.91	
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign.....	38.23	14.26
			<i>For Hi-Intensity Grade, Add</i>	2.91	
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign.....	40.65	14.26
			<i>For Hi-Intensity Grade, Add</i>	3.64	
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign.....	43.08	14.26
			<i>For Hi-Intensity Grade, Add</i>	4.37	
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign.....	49.70	15.16
			<i>For Hi-Intensity Grade, Add</i>	5.82	
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign.....	69.09	15.16
			<i>For Hi-Intensity Grade, Add</i>	11.64	
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign.....	41.46	14.26
			<i>For Hi-Intensity Grade, Add</i>	3.88	
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign.....	49.70	15.16
			<i>For Hi-Intensity Grade, Add</i>	5.82	
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign.....	56.16	15.16
			<i>For Hi-Intensity Grade, Add</i>	7.76	
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign.....	62.63	15.16
			<i>For Hi-Intensity Grade, Add</i>	9.70	
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign.....	69.09	15.16
			<i>For Hi-Intensity Grade, Add</i>	11.64	
10 14 53 11-0023	EA		18" x 18" Aluminum Engineer Grade Traffic Sign.....	59.40	15.16
			<i>For Hi-Intensity Grade, Add</i>	8.73	
10 14 53 11-0024	EA		18" x 24" Aluminum Engineer Grade Traffic Sign.....	69.09	15.16
			<i>For Hi-Intensity Grade, Add</i>	11.64	
10 14 53 11-0025	EA		18" x 30" Aluminum Engineer Grade Traffic Sign.....	80.57	16.04
			<i>For Hi-Intensity Grade, Add</i>	14.55	
10 14 53 11-0026	EA		18" x 36" Aluminum Engineer Grade Traffic Sign.....	90.27	16.04
			<i>For Hi-Intensity Grade, Add</i>	17.46	
10 14 53 11-0027	EA		18" x 48" Aluminum Engineer Grade Traffic Sign.....	116.80	19.61
			<i>For Hi-Intensity Grade, Add</i>	23.28	
10 14 53 11-0028	EA		18" x 54" Aluminum Engineer Grade Traffic Sign.....	126.50	19.61
			<i>For Hi-Intensity Grade, Add</i>	26.19	
10 14 53 11-0029	EA		24" x 24" Aluminum Engineer Grade Traffic Sign.....	83.80	16.04
			<i>For Hi-Intensity Grade, Add</i>	15.52	
10 14 53 11-0030	EA		24" x 30" Aluminum Engineer Grade Traffic Sign.....	96.74	16.04
			<i>For Hi-Intensity Grade, Add</i>	19.40	
10 14 53 11-0031	EA		24" x 36" Aluminum Engineer Grade Traffic Sign.....	109.67	16.04
			<i>For Hi-Intensity Grade, Add</i>	23.28	
10 14 53 11-0032	EA		24" x 42" Aluminum Engineer Grade Traffic Sign.....	129.73	19.61
			<i>For Hi-Intensity Grade, Add</i>	27.16	
10 14 53 11-0033	EA		24" x 48" Aluminum Engineer Grade Traffic Sign.....	142.66	19.61
			<i>For Hi-Intensity Grade, Add</i>	31.04	
10 14 53 11-0034	EA		24" x 54" Aluminum Engineer Grade Traffic Sign.....	155.59	19.61
			<i>For Hi-Intensity Grade, Add</i>	34.91	
10 14 53 11-0035	EA		24" x 60" Aluminum Engineer Grade Traffic Sign.....	168.52	19.61
			<i>For Hi-Intensity Grade, Add</i>	38.79	
10 14 53 11-0036	EA		30" x 30" Aluminum Engineer Grade Traffic Sign.....	112.90	16.04
			<i>For Hi-Intensity Grade, Add</i>	24.25	
10 14 53 11-0037	EA		30" x 36" Aluminum Engineer Grade Traffic Sign.....	136.19	19.61
			<i>For Hi-Intensity Grade, Add</i>	29.09	
10 14 53 11-0038	EA		30" x 42" Aluminum Engineer Grade Traffic Sign.....	152.36	19.61
			<i>For Hi-Intensity Grade, Add</i>	33.95	
10 14 53 11-0039	EA		30" x 48" Aluminum Engineer Grade Traffic Sign.....	175.65	23.17
			<i>For Hi-Intensity Grade, Add</i>	38.79	
10 14 53 11-0040	EA		30" x 60" Aluminum Engineer Grade Traffic Sign.....	215.12	26.74
			<i>For Hi-Intensity Grade, Add</i>	48.49	
10 14 53 11-0041	EA		36" x 36" Aluminum Engineer Grade Traffic Sign.....	155.59	19.61
			<i>For Hi-Intensity Grade, Add</i>	34.91	
10 14 53 11-0042	EA		36" x 42" Aluminum Engineer Grade Traffic Sign.....	182.12	23.17
			<i>For Hi-Intensity Grade, Add</i>	40.73	
10 14 53 11-0043	EA		36" x 48" Aluminum Engineer Grade Traffic Sign.....	208.65	26.74
			<i>For Hi-Intensity Grade, Add</i>	46.55	
10 14 53 11-0044	EA		36" x 54" Aluminum Engineer Grade Traffic Sign.....	228.05	26.74
			<i>For Hi-Intensity Grade, Add</i>	52.37	
10 14 53 11-0045	EA		36" x 60" Aluminum Engineer Grade Traffic Sign.....	254.58	30.30
			<i>For Hi-Intensity Grade, Add</i>	58.19	

10 Specialties
10 10 Information Specialties
10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0046	EA		36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	303.73 70.80	33.87
10 14 53 11-0047	EA		36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	319.90 75.65	33.87
10 14 53 11-0048	EA		36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	427.58 104.74	39.21
10 14 53 11-0049	EA		42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	211.89 47.52	26.74
10 14 53 11-0050	EA		48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	267.51 62.07	30.30
10 14 53 11-0051	EA		48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	300.50 69.83	33.87
10 14 53 11-0052	EA		48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	326.36 77.59	33.87
10 14 53 11-0053	EA		48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	362.93 85.35	39.21
10 14 53 11-0054	EA		48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	388.79 93.11	39.21
10 14 53 11-0055	EA		48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	447.64 108.62	42.78
10 14 53 11-0056	EA		48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	499.37 124.14	42.78
10 14 53 11-0057	EA		48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	525.23 131.90	42.78
10 14 53 11-0058	EA		48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	554.65 139.66	44.57
10 14 53 11-0059	EA		60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	473.51 116.38	42.78
10 14 53 11-0060	EA		72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	1,045.12 279.31	57.04
10 14 53 11-0061	EA		78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	761.55 201.73	44.57

10 14 53 11-0062 Non-Reflectorized Traffic Signs (10 14 53 11-0001)
 Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0063 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0062)

10 14 53 11-0064	EA		6" x 12" Steel Non Reflectorized Traffic Sign	34.12	14.26
10 14 53 11-0065	EA		6" x 18" Steel Non Reflectorized Traffic Sign	36.91	14.26
10 14 53 11-0066	EA		9" x 12" Steel Non Reflectorized Traffic Sign	36.91	14.26
10 14 53 11-0067	EA		9" x 15" Steel Non Reflectorized Traffic Sign	39.01	14.26
10 14 53 11-0068	EA		9" x 18" Steel Non Reflectorized Traffic Sign	41.11	14.26
10 14 53 11-0069	EA		9" x 24" Steel Non Reflectorized Traffic Sign	47.07	15.16
10 14 53 11-0070	EA		9" x 48" Steel Non Reflectorized Traffic Sign	63.84	15.16
10 14 53 11-0071	EA		12" x 12" Steel Non Reflectorized Traffic Sign	39.71	14.26
10 14 53 11-0072	EA		12" x 18" Steel Non Reflectorized Traffic Sign	47.07	15.16
10 14 53 11-0073	EA		12" x 24" Steel Non Reflectorized Traffic Sign	52.66	15.16
10 14 53 11-0074	EA		12" x 30" Steel Non Reflectorized Traffic Sign	58.25	15.16
10 14 53 11-0075	EA		12" x 36" Steel Non Reflectorized Traffic Sign	63.84	15.16
10 14 53 11-0076	EA		18" x 18" Steel Non Reflectorized Traffic Sign	55.45	15.16
10 14 53 11-0077	EA		18" x 24" Steel Non Reflectorized Traffic Sign	63.84	15.16
10 14 53 11-0078	EA		18" x 30" Steel Non Reflectorized Traffic Sign	74.00	16.04
10 14 53 11-0079	EA		18" x 36" Steel Non Reflectorized Traffic Sign	82.39	16.04
10 14 53 11-0080	EA		18" x 48" Steel Non Reflectorized Traffic Sign	106.28	19.61
10 14 53 11-0081	EA		18" x 54" Steel Non Reflectorized Traffic Sign	114.67	19.61
10 14 53 11-0082	EA		24" x 24" Steel Non Reflectorized Traffic Sign	76.80	16.04
10 14 53 11-0083	EA		24" x 30" Steel Non Reflectorized Traffic Sign	87.97	16.04
10 14 53 11-0084	EA		24" x 36" Steel Non Reflectorized Traffic Sign	99.15	16.04
10 14 53 11-0085	EA		24" x 42" Steel Non Reflectorized Traffic Sign	117.46	19.61
10 14 53 11-0086	EA		24" x 48" Steel Non Reflectorized Traffic Sign	128.64	19.61
10 14 53 11-0087	EA		24" x 54" Steel Non Reflectorized Traffic Sign	139.82	19.61
10 14 53 11-0088	EA		24" x 60" Steel Non Reflectorized Traffic Sign	151.00	19.61
10 14 53 11-0089	EA		30" x 30" Steel Non Reflectorized Traffic Sign	101.95	16.04
10 14 53 11-0090	EA		30" x 36" Steel Non Reflectorized Traffic Sign	123.05	19.61
10 14 53 11-0091	EA		30" x 42" Steel Non Reflectorized Traffic Sign	137.03	19.61
10 14 53 11-0092	EA		30" x 48" Steel Non Reflectorized Traffic Sign	158.13	23.17
10 14 53 11-0093	EA		30" x 60" Steel Non Reflectorized Traffic Sign	193.22	26.74
10 14 53 11-0094	EA		36" x 36" Steel Non Reflectorized Traffic Sign	139.82	19.61
10 14 53 11-0095	EA		36" x 42" Steel Non Reflectorized Traffic Sign	163.72	23.17
10 14 53 11-0096	EA		36" x 48" Steel Non Reflectorized Traffic Sign	187.63	26.74
10 14 53 11-0097	EA		36" x 54" Steel Non Reflectorized Traffic Sign	204.40	26.74
10 14 53 11-0098	EA		36" x 60" Steel Non Reflectorized Traffic Sign	228.29	30.30
10 14 53 11-0099	EA		36" x 73" Steel Non Reflectorized Traffic Sign	271.76	33.87
10 14 53 11-0100	EA		36" x 78" Steel Non Reflectorized Traffic Sign	285.73	33.87
10 14 53 11-0101	EA		36" x 108" Steel Non Reflectorized Traffic Sign	380.27	39.21
10 14 53 11-0102	EA		42" x 42" Steel Non Reflectorized Traffic Sign	190.42	26.74
10 14 53 11-0103	EA		48" x 48" Steel Non Reflectorized Traffic Sign	239.47	30.30
10 14 53 11-0104	EA		48" x 54" Steel Non Reflectorized Traffic Sign	268.96	33.87
10 14 53 11-0105	EA		48" x 60" Steel Non Reflectorized Traffic Sign	291.32	33.87
10 14 53 11-0106	EA		48" x 66" Steel Non Reflectorized Traffic Sign	324.38	39.21
10 14 53 11-0107	EA		48" x 72" Steel Non Reflectorized Traffic Sign	346.74	39.21
10 14 53 11-0108	EA		48" x 84" Steel Non Reflectorized Traffic Sign	398.58	42.78
10 14 53 11-0109	EA		48" x 96" Steel Non Reflectorized Traffic Sign	443.30	42.78
10 14 53 11-0110	EA		48" x 102" Steel Non Reflectorized Traffic Sign	465.66	42.78
10 14 53 11-0111	EA		48" x 108" Steel Non Reflectorized Traffic Sign	491.57	44.57

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0112	EA	60" x 72"	Steel Non ReflectORIZED Traffic Sign.....		420.94	42.78
10 14 53 11-0113	EA	72" x 144"	Steel Non ReflectORIZED Traffic Sign.....		918.97	57.04
10 14 53 11-0114	EA	78" x 96"	Steel Non ReflectORIZED Traffic Sign.....		670.44	44.57

10 14 53 11-0115 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 11-0062)

10 14 53 11-0116	EA	6" x 12"	Aluminum Non ReflectORIZED Traffic Sign		34.35	14.26
10 14 53 11-0117	EA	6" x 18"	Aluminum Non ReflectORIZED Traffic Sign		37.26	14.26
10 14 53 11-0118	EA	9" x 12"	Aluminum Non ReflectORIZED Traffic Sign		37.26	14.26
10 14 53 11-0119	EA	9" x 15"	Aluminum Non ReflectORIZED Traffic Sign		39.44	14.26
10 14 53 11-0120	EA	9" x 18"	Aluminum Non ReflectORIZED Traffic Sign		41.62	14.26
10 14 53 11-0121	EA	9" x 24"	Aluminum Non ReflectORIZED Traffic Sign		47.75	15.16
10 14 53 11-0122	EA	9" x 48"	Aluminum Non ReflectORIZED Traffic Sign		65.20	15.16
10 14 53 11-0123	EA	12" x 12"	Aluminum Non ReflectORIZED Traffic Sign		40.16	14.26
10 14 53 11-0124	EA	12" x 18"	Aluminum Non ReflectORIZED Traffic Sign		47.75	15.16
10 14 53 11-0125	EA	12" x 24"	Aluminum Non ReflectORIZED Traffic Sign		53.57	15.16
10 14 53 11-0126	EA	12" x 30"	Aluminum Non ReflectORIZED Traffic Sign		59.39	15.16
10 14 53 11-0127	EA	12" x 36"	Aluminum Non ReflectORIZED Traffic Sign		65.20	15.16
10 14 53 11-0128	EA	18" x 18"	Aluminum Non ReflectORIZED Traffic Sign		56.48	15.16
10 14 53 11-0129	EA	18" x 24"	Aluminum Non ReflectORIZED Traffic Sign		65.20	15.16
10 14 53 11-0130	EA	18" x 30"	Aluminum Non ReflectORIZED Traffic Sign		75.71	16.04
10 14 53 11-0131	EA	18" x 36"	Aluminum Non ReflectORIZED Traffic Sign		84.44	16.04
10 14 53 11-0132	EA	18" x 48"	Aluminum Non ReflectORIZED Traffic Sign		109.02	19.61
10 14 53 11-0133	EA	18" x 54"	Aluminum Non ReflectORIZED Traffic Sign		117.74	19.61
10 14 53 11-0134	EA	24" x 24"	Aluminum Non ReflectORIZED Traffic Sign		78.62	16.04
10 14 53 11-0135	EA	24" x 30"	Aluminum Non ReflectORIZED Traffic Sign		90.25	16.04
10 14 53 11-0136	EA	24" x 36"	Aluminum Non ReflectORIZED Traffic Sign		101.89	16.04
10 14 53 11-0137	EA	24" x 42"	Aluminum Non ReflectORIZED Traffic Sign		120.65	19.61
10 14 53 11-0138	EA	24" x 48"	Aluminum Non ReflectORIZED Traffic Sign		132.29	19.61
10 14 53 11-0139	EA	24" x 54"	Aluminum Non ReflectORIZED Traffic Sign		143.92	19.61
10 14 53 11-0140	EA	24" x 60"	Aluminum Non ReflectORIZED Traffic Sign		155.56	19.61
10 14 53 11-0141	EA	30" x 30"	Aluminum Non ReflectORIZED Traffic Sign		104.80	16.04
10 14 53 11-0142	EA	30" x 36"	Aluminum Non ReflectORIZED Traffic Sign		126.47	19.61
10 14 53 11-0143	EA	30" x 42"	Aluminum Non ReflectORIZED Traffic Sign		141.01	19.61
10 14 53 11-0144	EA	30" x 48"	Aluminum Non ReflectORIZED Traffic Sign		162.69	23.17
10 14 53 11-0145	EA	30" x 60"	Aluminum Non ReflectORIZED Traffic Sign		198.91	26.74
10 14 53 11-0146	EA	36" x 36"	Aluminum Non ReflectORIZED Traffic Sign		143.92	19.61
10 14 53 11-0147	EA	36" x 42"	Aluminum Non ReflectORIZED Traffic Sign		168.50	23.17
10 14 53 11-0148	EA	36" x 48"	Aluminum Non ReflectORIZED Traffic Sign		193.09	26.74
10 14 53 11-0149	EA	36" x 54"	Aluminum Non ReflectORIZED Traffic Sign		210.55	26.74
10 14 53 11-0150	EA	36" x 60"	Aluminum Non ReflectORIZED Traffic Sign		235.13	30.30
10 14 53 11-0151	EA	36" x 73"	Aluminum Non ReflectORIZED Traffic Sign		280.07	33.87
10 14 53 11-0152	EA	36" x 78"	Aluminum Non ReflectORIZED Traffic Sign		294.61	33.87
10 14 53 11-0153	EA	36" x 108"	Aluminum Non ReflectORIZED Traffic Sign		392.57	39.21
10 14 53 11-0154	EA	42" x 42"	Aluminum Non ReflectORIZED Traffic Sign		196.00	26.74
10 14 53 11-0155	EA	48" x 48"	Aluminum Non ReflectORIZED Traffic Sign		246.76	30.30
10 14 53 11-0156	EA	48" x 54"	Aluminum Non ReflectORIZED Traffic Sign		277.16	33.87
10 14 53 11-0157	EA	48" x 60"	Aluminum Non ReflectORIZED Traffic Sign		300.43	33.87
10 14 53 11-0158	EA	48" x 66"	Aluminum Non ReflectORIZED Traffic Sign		334.40	39.21
10 14 53 11-0159	EA	48" x 72"	Aluminum Non ReflectORIZED Traffic Sign		357.67	39.21
10 14 53 11-0160	EA	48" x 84"	Aluminum Non ReflectORIZED Traffic Sign		411.34	42.78
10 14 53 11-0161	EA	48" x 96"	Aluminum Non ReflectORIZED Traffic Sign		457.88	42.78
10 14 53 11-0162	EA	48" x 102"	Aluminum Non ReflectORIZED Traffic Sign		481.14	42.78
10 14 53 11-0163	EA	48" x 108"	Aluminum Non ReflectORIZED Traffic Sign		507.97	44.57
10 14 53 11-0164	EA	60" x 72"	Aluminum Non ReflectORIZED Traffic Sign		434.61	42.78
10 14 53 11-0165	EA	72" x 144"	Aluminum Non ReflectORIZED Traffic Sign		951.77	57.04
10 14 53 11-0166	EA	78" x 96"	Aluminum Non ReflectORIZED Traffic Sign		694.13	44.57

10 14 53 11-0167 Aluminum Street Signs (10 14 53 11-0001)

Note: Excludes posts.

10 14 53 11-0168 Aluminum Engineer Grade Street Signs (10 14 53 11-0167)

10 14 53 11-0169	EA	6" High, Aluminum Engineer Grade Street Sign		67.73	7.13
10 14 53 11-0170	EA	8" High, Aluminum Engineer Grade Street Sign		77.17	7.13
10 14 53 11-0171	EA	9" High, Aluminum Engineer Grade Street Sign		84.20	7.13

10 14 53 11-0172 Street Sign Accessories (10 14 53 11-0167)

10 14 53 11-0173	EA	Single Bracket And Post Cap For Street Sign.....		19.99	3.57
10 14 53 11-0174	EA	Double Bracket And Post Cap For Street Sign		19.99	3.57

10 14 53 11-0175 Sign Posts (10 14 53 11-0001)

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 11-0176 U-Channel Sign Posts (10 14 53 11-0175)

Note: Excludes digging and concrete.

10 14 53 11-0177 Baked Enamel U-Channel Sign Posts (10 14 53 11-0176)

10 14 53 11-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base		51.60	14.64
10 14 53 11-0179	EA	6' Baked Enamel U-Channel Sign Post		67.97	18.30
10 14 53 11-0180	EA	7' Baked Enamel U-Channel Sign Post		81.13	21.96
10 14 53 11-0181	EA	8' Baked Enamel U-Channel Sign Post		95.02	25.62
10 14 53 11-0182	EA	10' Baked Enamel U-Channel Sign Post		114.61	31.10
10 14 53 11-0183	EA	12' Baked Enamel U-Channel Sign Post		118.18	31.10

10 Specialties**10 10 Information Specialties****10 14 Signage**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 14 53 11-0184	Galvanized Steel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0185	EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	56.20	14.64
10 14 53 11-0186	EA 6' Galvanized Steel U-Channel Sign Post.....	75.27	18.30
10 14 53 11-0187	EA 7' Galvanized Steel U-Channel Sign Post.....	97.64	21.96
10 14 53 11-0188	EA 8' Galvanized Steel U-Channel Sign Post.....	113.27	25.62
10 14 53 11-0189	EA 10' Galvanized Steel U-Channel Sign Post.....	127.89	31.10
10 14 53 11-0190	EA 12' Galvanized Steel U-Channel Sign Post.....	129.74	31.10
10 14 53 11-0191	Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0192	EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	50.51	14.64
10 14 53 11-0193	EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	65.61	18.30
10 14 53 11-0194	EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	78.28	21.96
10 14 53 11-0195	EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	91.63	25.62
10 14 53 11-0196	EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	108.45	31.10
10 14 53 11-0197	EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	114.53	31.10
10 14 53 11-0198	Tubular Sign Posts (10 14 53 11-0175)		
	Note: Excludes digging and concrete.		
10 14 53 11-0199	2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0198)		
10 14 53 11-0200	EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	76.03	18.30
10 14 53 11-0201	EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	90.15	21.96
10 14 53 11-0202	EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	106.58	25.62
10 14 53 11-0203	EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	137.88	31.10
10 14 53 11-0204	EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	150.42	31.10
10 14 53 11-0205	Square Sign Posts (10 14 53 11-0175)		
	Note: Excludes digging and concrete.		
10 14 53 11-0206	Galvanized Steel Square Sign Posts (10 14 53 11-0205)		
10 14 53 11-0207	EA 3' To 4' Galvanized Steel Square Sign Post Base.....	57.22	14.64
10 14 53 11-0208	EA 6' Galvanized Steel Square Sign Post.....	92.56	18.30
10 14 53 11-0209	EA 7' Galvanized Steel Square Sign Post.....	108.40	21.96
10 14 53 11-0210	EA 8' Galvanized Steel Square Sign Post.....	126.44	25.62
10 14 53 11-0211	EA 10' Galvanized Steel Square Sign Post.....	154.46	31.10
10 14 53 11-0212	EA 12' Galvanized Steel Square Sign Post.....	163.20	31.10
10 14 53 11-0213	Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0214	Sign Post Brackets (10 14 53 11-0213)		
10 14 53 11-0215	EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	26.14	5.34
10 14 53 11-0216	EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	47.39	8.91
10 14 53 11-0217	EA 10 cm - 37 cm Diameter, Buckle Bracket Set.....	41.02	7.13
10 14 53 11-0218	Sign Post Caps (10 14 53 11-0213)		
10 14 53 11-0219	EA Traffic Sign Post Cap.....	14.30	3.57
10 14 53 11-0220	Sign Post Replacement Bolts (10 14 53 11-0213)		
10 14 53 11-0221	EA Signage Fasteners Replacement.....	9.55	
	Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0222	Removal Of Signs (10 14 53 11)		
	Note: Includes structural supports.		
10 14 53 11-0223	EA >4 To 10 SF Sign Area, Sign Removal.....	142.61	
10 14 53 11-0224	EA >10 To 20 SF Sign Area, Sign Removal.....	342.26	
10 14 53 11-0225	EA >20 To 40 SF Sign Area, Sign Removal.....	513.38	
10 14 53 11-0226	EA >40 To 100 SF Sign Area, Sign Removal.....	831.46	
10 14 53 11-0227	Removal And Reinstallation Of Signs (10 14 53 11)		
	Note: Includes structural supports.		
10 14 53 11-0228	EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	217.93	
10 14 53 11-0229	EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	516.24	
10 14 53 11-0230	EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	772.51	
10 14 53 11-0231	EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,249.44	
10 14 53 11-0232	EA Removal And Reinstallation Of Street Sign On Post.....	82.00	
10 14 53 11-0233	EA Removal And Relocation Of Traffic Light.....	291.86	
	Note: Excludes electrical hookup.		

10 20 Interior Specialties (10)**10 21 Compartments and Cubicles** (10 20)**10 21 13 Toilet Compartments** (10 21)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	766.63	88.65
	For >10, Deduct	-58.93	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	929.35	96.53
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	993.11	100.47
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes headrail.		
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	794.82	108.36
	For >10, Deduct	-57.81	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	925.37	116.23
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	978.75	120.17
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	938.08	128.05
	For >10, Deduct	-68.20	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,096.45	135.94
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,152.26	139.87
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0015	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	901.61	147.75
	For >10, Deduct	-60.61	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,086.76	155.64
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,148.89	159.58
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	175.79	
10 21 13 13-0019	Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020	Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	404.21	55.13
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0022	EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	448.48	59.06
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0023	EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	494.16	63.01
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0024	Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	226.09	47.25
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0026	EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	243.77	51.19
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0027	EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	257.23	55.13
	For Heavy Gauge Full-Height SS Brackets, Add	48.71	
10 21 13 13-0028	Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.10	51.19	
			48.71		
10 21 13 13-0030		Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>			
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	330.55	51.19	
			48.71		
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	352.43	55.13	
			48.71		
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	374.29	59.06	
			48.71		
10 21 13 13-0034		Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>			
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	373.41	55.13	
			48.71		
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	400.89	59.06	
			48.71		
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	443.76	63.01	
			48.71		
10 21 13 13-0038		Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 13-0001)</small>			
		Note: All colors.			
10 21 13 13-0039		Enamel Coated Steel, Toilet Partition Doors <small>(10 21 13 13-0038)</small>			
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	244.29	15.76	
			78.38		
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	249.89	15.76	
			78.38		
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	264.85	16.95	
			78.38		
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	290.04	16.95	
			78.38		
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	295.64	16.95	
			78.38		
10 21 13 13-0045		Enamel Coated Steel, Toilet Partition Panels <small>(10 21 13 13-0038)</small>			
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	173.26	23.64	
			48.71		
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.20	25.61	
			48.71		
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.14	27.58	
			48.71		
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.08	29.55	
			48.71		
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	245.02	31.52	
			48.71		
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	262.95	33.49	
			48.71		
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	279.49	35.47	
			48.71		
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	297.43	37.44	
			48.71		
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	309.77	39.40	
			48.71		
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	316.94	40.19	
			42.00		
			48.71		
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	326.31	41.37	
			42.00		
			48.71		
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	356.85	43.34	
			42.00		
			48.71		
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	383.18	45.31	
			42.00		
			48.71		
10 21 13 13-0059		70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>			
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	132.82	11.82	
			48.71		
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	146.56	13.79	
			48.71		
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	161.70	15.76	
			48.71		
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	188.05	17.73	
			48.71		
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	212.98	19.70	
			48.71		
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	237.91	21.67	
			48.71		
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.64	23.64	
			48.71		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21	13	13	0067	EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	353.58 48.71	25.61
10 21	13	13	0068	EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	379.91 48.71	27.58
10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)						
10 21	13	13	0070	EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	106.23 48.71	11.82
10 21	13	13	0071	EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	115.77 48.71	13.79
10 21	13	13	0072	EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	126.71 48.71	15.76
10 21	13	13	0073	EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	143.25 48.71	17.73
10 21	13	13	0074	EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	158.38 48.71	19.70
10 21	13	13	0075	EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	174.92 48.71	21.67
10 21	13	13	0076	EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.66 48.71	23.64
10 21	13	13	0077	EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	244.39 48.71	25.61
10 21	13	13	0078	EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	260.93 48.71	27.58
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)						
10 21	13	13	0080	EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	147.70 48.71	15.76
10 21	13	13	0081	EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	161.45 48.71	17.73
10 21	13	13	0082	EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	176.58 48.71	19.70
10 21	13	13	0083	EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	202.92 48.71	21.67
10 21	13	13	0084	EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.85 48.71	23.64
10 21	13	13	0085	EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	252.79 48.71	25.61
10 21	13	13	0086	EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	322.52 48.71	27.58
10 21	13	13	0087	EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	368.46 48.71	29.55
10 21	13	13	0088	EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	394.80 48.71	31.52
10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)						
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14)						
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.						
10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)						
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)						
10 21	13	14	0004	EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,708.35 -153.10 175.79 535.86	88.65
10 21	13	14	0005	EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,063.65 175.79 654.71	96.53
10 21	13	14	0006	EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,161.52 175.79 686.20	100.47
10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)						
Note: Includes headrail.						
10 21	13	14	0008	EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,443.52 -122.68 175.79 429.39	108.36
10 21	13	14	0009	EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,758.48 175.79 534.10	116.23
10 21	13	14	0010	EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,916.78 175.79 586.75	120.17

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 14-0011	Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,001.41 -174.53 175.79 610.86	128.05
10 21 13 14-0013	EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,146.70 175.79 656.19	135.94
10 21 13 14-0014	EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,247.44 175.79 688.69	139.87
10 21 13 14-0015	Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,001.79 -170.63 175.79 597.20	147.75
10 21 13 14-0017	EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,438.66 175.79 744.59	155.64
10 21 13 14-0018	EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,564.65 175.79 785.93	159.58
10 21 13 14-0019	Stainless Steel Urinal Screens (10 21 13 14-0001)		
10 21 13 14-0020	Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0021	EA 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	561.61 48.71 157.98	55.13
10 21 13 14-0022	EA 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	636.00 48.71 181.25	59.06
10 21 13 14-0023	EA 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	649.34 48.71 183.17	63.01
10 21 13 14-0024	Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0025	EA 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	414.73 48.71 112.08	47.25
10 21 13 14-0026	EA 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	448.76 48.71 121.23	51.19
10 21 13 14-0027	EA 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	489.97 48.71 132.90	55.13
10 21 13 14-0028	Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0029	EA 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	675.45 48.71 200.57	51.19
10 21 13 14-0030	EA 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	707.83 48.71 209.15	55.13
10 21 13 14-0031	EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	740.04 48.71 217.67	59.06
10 21 13 14-0032	Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0033	EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	561.61 48.71 157.98	55.13
10 21 13 14-0034	EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	636.00 48.71 181.25	59.06
10 21 13 14-0035	EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	713.52 48.71 205.63	63.01
10 21 13 14-0036	Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001)		
10 21 13 14-0037	Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21 13 14-0038	EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	372.96 78.38 119.50	15.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	426.89 78.38 138.38	15.76
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	438.31 78.38 140.99	17.73
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	453.87 78.38 146.44	17.73
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	458.20 78.38 147.96	17.73

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)

10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	321.26 48.71 95.89	23.64
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	356.84 48.71 106.97	25.61
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	371.72 48.71 110.80	27.58
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	388.67 48.71 115.35	29.55
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	417.21 48.71 123.96	31.52
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	450.40 48.71 134.20	33.49
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	527.31 48.71 159.74	35.47
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	577.50 48.71 175.92	37.44
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	592.39 48.71 179.76	39.40
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	621.95 48.71 189.55	40.19
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	660.83 48.71 202.33	41.37
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	692.42 48.71 212.01	43.34
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	759.99 48.71 234.28	45.31

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)

10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	223.23 48.71 69.86	11.82
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	243.00 48.71 75.40	13.79
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	263.97 48.71 81.36	15.76
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	300.78 48.71 92.86	17.73
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	337.57 48.71 104.36	19.70
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	374.37 48.71 115.86	21.67
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	475.68 48.71 149.94	23.64
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	545.34 48.71 172.94	25.61
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	582.14 48.71 184.44	27.58

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	170.34 48.71 51.35	11.82
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	184.32 48.71 54.86	13.79
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	198.81 48.71 58.55	15.76
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	258.44 48.71 78.04	17.73
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	291.72 48.71 88.31	19.70
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	301.74 48.71 90.44	21.67
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	342.01 48.71 103.16	23.64
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	385.91 48.71 117.14	25.61
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	409.66 48.71 124.08	27.58
10 21 13 14-0077			96" To 120" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	244.50 48.71 74.54	15.76
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	267.92 48.71 81.36	17.73
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	290.11 48.71 87.75	19.70
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	333.00 48.71 101.38	21.67
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	374.66 48.71 114.58	23.64
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	416.33 48.71 127.79	25.61
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	535.89 48.71 168.26	27.58
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	615.29 48.71 194.67	29.55
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	658.18 48.71 208.30	31.52
10 21 13 16			Plastic-Laminate-Clad Toilet Compartments <small>(10 21 13)</small>		
10 21 13 16-0001			Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002			Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0003			Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,034.44 -85.71 141.25 175.79	88.65
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,269.65 141.27 175.79	96.53
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,367.67 141.28 175.79	100.47
10 21 13 16-0007			Overhead Braced, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Includes headrail.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 16-0008	EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,115.68 -89.90 141.29 175.79	108.36
10 21 13 16-0009	EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,361.36 141.31 175.79	116.23
10 21 13 16-0010	EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,467.21 141.31 175.79	120.17
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>			
Note: Excludes above ceiling steel.			
10 21 13 16-0012	EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,490.77 -119.53 141.37 175.79	147.75
10 21 13 16-0013	EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,744.50 141.38 175.79	155.64
10 21 13 16-0014	EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,842.49 141.39 175.79	159.58
10 21 13 16-0015 Laminated Plastic Urinal Screens <small>(10 21 13 16-0001)</small>			
Note: Includes all standard Bobrick colors.			
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>			
10 21 13 16-0017	EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	429.92 48.71	55.13
10 21 13 16-0018	EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	469.16 48.71	59.06
10 21 13 16-0019	EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	483.19 48.71	63.01
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>			
10 21 13 16-0021	EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	332.45 48.71	47.25
10 21 13 16-0022	EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	349.28 48.71	51.19
10 21 13 16-0023	EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	365.30 48.71	55.13
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>			
10 21 13 16-0025	EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	445.13 48.71	51.19
10 21 13 16-0026	EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	488.75 48.71	55.13
10 21 13 16-0027	EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	536.14 48.71	59.06
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens <small>(10 21 13 16-0015)</small>			
10 21 13 16-0029	EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.54 48.71	51.19
10 21 13 16-0030	EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	449.66 48.71	55.13
10 21 13 16-0031	EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	463.18 48.71	59.06
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 16-0001)</small>			
Note: Includes all standard Bobrick colors.			
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors <small>(10 21 13 16-0032)</small>			
10 21 13 16-0034	EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	348.40 78.38	15.76
10 21 13 16-0035	EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	379.19 78.38	15.76
10 21 13 16-0036	EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	391.52 78.38	17.73
10 21 13 16-0037	EA 34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	401.04 78.38	17.73
10 21 13 16-0038	EA 36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	410.00 78.38	17.73
10 21 13 16-0039	Laminated Plastic, Toilet Partition Panels <small>(10 21 13 16-0032)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.08 48.71	23.64
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	190.53 48.71	25.61
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.98 48.71	27.58
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	228.18 48.71	29.55
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	245.90 48.71	31.52
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	265.17 48.71	33.49
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	270.81 48.71	35.47
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	277.53 48.71	37.44
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	292.13 48.71	39.40
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	304.58 48.71	40.19
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.44 48.71	41.37
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	364.38 48.71	43.34
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	416.45 48.71	45.31
10 21 13 16-0053			69" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	142.89 9.84 48.71 119.25	11.82
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	164.74 11.32 48.71 137.16	13.79
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	168.68 11.32 48.71 137.16	15.76
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	186.07 12.42 48.71 150.60	17.73
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	193.92 12.75 48.71 154.52	19.70
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	210.74 13.81 48.71 167.40	21.67
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	269.54 18.34 48.71 222.26	23.64
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	327.23 22.77 48.71 276.01	25.61
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	367.56 25.77 48.71 312.40	27.58
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	283.97 21.48 48.71 260.33	11.82
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	313.66 23.60 48.71 286.08	13.79
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	317.60 23.60 48.71 286.08	15.76
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	343.38 25.40 48.71 307.92	17.73
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	374.75 27.67 48.71 335.35	19.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0069 EA 12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	399.96 29.42 48.71 356.62	21.67
10 21 13 16-0070 EA 18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	498.81 37.25 48.71 451.53	23.64
10 21 13 16-0071 EA 22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	568.52 42.68 48.71 517.30	25.61
10 21 13 16-0072 EA 24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	583.10 43.56 48.71 527.94	27.58
10 21 13 19 Plastic Toilet Compartments (10 21 13)		
10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes headrail.		
10 21 13 19-0004 EA 36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,244.17 -102.75 175.79 637.03	108.36
10 21 13 19-0005 EA 60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,530.54 175.79 804.80	116.23
10 21 13 19-0006 EA 60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,695.47 175.79 902.18	120.17
10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008 EA 36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,244.65 -98.85 175.79 612.89	128.05
10 21 13 19-0009 EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,556.14 175.79 796.25	135.94
10 21 13 19-0010 EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,721.09 175.79 893.63	139.87
10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012 EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,306.46 -101.10 175.79 626.80	147.75
10 21 13 19-0013 EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,548.79 175.79 767.26	155.64
10 21 13 19-0014 EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,713.72 175.79 864.64	159.58
10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0017 EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	291.34 48.71 122.03	47.25

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	306.98 48.71 126.85	51.19
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	369.93 48.71 165.88	51.19
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	466.98 48.71 221.17	55.13
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	518.76 48.71 248.39	59.06
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	377.81 48.71 165.88	55.13
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	474.85 48.71 221.17	59.06
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	563.06 48.71 270.97	63.01
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028			Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	295.98 78.38 163.97	15.76
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	320.05 78.38 178.89	15.76
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	347.89 78.38 193.70	17.73
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	396.60 78.38 223.90	17.73
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	408.12 78.38 231.04	17.73
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	105.90 48.71 36.34	23.64
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.46 48.71 72.69	25.61
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	231.00 48.71 109.02	27.58
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	269.52 48.71 130.46	29.55
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	326.08 48.71 163.08	31.52
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	348.41 48.71 174.49	33.49
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	391.00 48.71 198.45	35.47
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	440.66 48.71 226.80	37.44
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	481.21 48.71 249.49	39.40
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	491.65 48.71 254.99	40.19
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	508.20 48.71 263.79	41.37

Specialties	10
Interior Specialties	10 20
Compartments and Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0046 EA 70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	574.21 48.71 302.26	43.34
10 21 13 19-0047 EA 78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	618.78 48.71 327.46	45.31
10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049 EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	136.56 48.71 70.01	11.82
10 21 13 19-0050 EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	151.82 48.71 77.03	13.79
10 21 13 19-0051 EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	165.10 48.71 82.82	15.76
10 21 13 19-0052 EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	177.39 48.71 88.00	17.73
10 21 13 19-0053 EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	199.15 48.71 99.05	19.70
10 21 13 19-0054 EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	220.91 48.71 110.09	21.67
10 21 13 19-0055 EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	303.06 48.71 158.58	23.64
10 21 13 19-0056 EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	342.57 48.71 180.64	25.61
10 21 13 19-0057 EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	372.99 48.71 197.05	27.58
10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059 EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	166.76 48.71 83.85	15.76
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	183.59 48.71 91.83	17.73
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	202.20 48.71 100.94	19.70
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	229.09 48.71 115.17	21.67
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.24 48.71 129.56	23.64
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	283.13 48.71 143.78	25.61
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	362.71 48.71 190.68	27.58
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.80 48.71 214.95	29.55
10 21 13 19-0067 EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	441.27 48.71 234.50	31.52
10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,603.78 -138.71 175.79 859.99	108.36

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,984.87	116.23
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,086.49	
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,204.77	120.17
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,217.95	
10 21 13 19-0074			Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,590.65	128.05
			<i>For >10, Deduct</i>	-133.45	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	827.41	
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,005.63	135.94
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,074.94	
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,225.55	139.87
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,206.40	
10 21 13 19-0078			Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,660.30	147.75
			<i>For >10, Deduct</i>	-136.48	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	846.18	
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,981.91	155.64
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,035.80	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,201.81	159.58
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	175.79	
			<i>For NFPA Class A, Add</i>	1,167.26	
10 21 13 19-0082			Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	360.23	47.25
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	164.75	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	376.05	51.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	169.67	
10 21 13 19-0086			Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	583.94	51.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	298.57	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	664.26	55.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	343.48	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	708.15	59.06
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	365.81	
10 21 13 19-0090			Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	471.44	55.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	223.93	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	599.69	59.06
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	298.57	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	716.03	63.01
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
			<i>For NFPA Class A, Add</i>	365.81	
10 21 13 19-0094			Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		

Specialties	10
Interior Specialties	10 20
Compartments and Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0095	Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	388.54 78.38 221.35	15.76
10 21 13 19-0097	EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	421.05 78.38 241.51	15.76
10 21 13 19-0098	EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	457.23 78.38 261.49	17.73
10 21 13 19-0099	EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	522.99 78.38 302.26	17.73
10 21 13 19-0100	EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	538.55 78.38 311.91	17.73

10 21 13 19-0101	Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	126.41 48.71 49.06	23.64
10 21 13 19-0103	EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	209.49 48.71 98.13	25.61
10 21 13 19-0104	EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.56 48.71 147.19	27.58
10 21 13 19-0105	EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	343.16 48.71 176.12	29.55
10 21 13 19-0106	EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	418.13 48.71 220.15	31.52
10 21 13 19-0107	EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	446.90 48.71 235.55	33.49
10 21 13 19-0108	EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	503.03 48.71 267.91	35.47
10 21 13 19-0109	EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	568.70 48.71 306.18	37.44
10 21 13 19-0110	EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	622.06 48.71 336.82	39.40
10 21 13 19-0111	EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	635.60 48.71 344.24	40.19
10 21 13 19-0112	EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	657.11 48.71 356.11	41.37
10 21 13 19-0113	EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	744.86 48.71 408.07	43.34
10 21 13 19-0114	EA 78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	803.63 48.71 442.07	45.31

10 21 13 19-0115	82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	176.08 48.71 94.51	11.82
10 21 13 19-0117	EA 5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	195.30 48.71 103.99	13.79
10 21 13 19-0118	EA 6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	211.85 48.71 111.80	15.76
10 21 13 19-0119	EA 8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	244.48 48.71 129.59	17.73
10 21 13 19-0120	EA 10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	274.69 48.71 145.88	19.70
10 21 13 19-0121	EA 12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	304.85 48.71 162.14	21.67
10 21 13 19-0122	EA 18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	392.59 48.71 214.09	23.64
10 21 13 19-0123	EA 22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	444.55 48.71 243.86	25.61

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	484.23 48.71 266.02	27.58
10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>					
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	214.10 48.71 113.20	15.76
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.43 48.71 123.98	17.73
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	259.20 48.71 136.28	19.70
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	294.12 48.71 155.48	21.67
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.38 48.71 174.90	23.64
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	364.29 48.71 194.10	25.61
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	470.37 48.71 257.43	27.58
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	527.14 48.71 290.18	29.55
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	573.64 48.71 316.57	31.52
10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>					
Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.					
10 21 13 19-0136 Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small>					
Note: Includes all standard Bobrick colors.					
10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>					
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,587.56 -141.03 175.79 305.02	88.65
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,954.91 175.79 379.64	96.53
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,185.61 175.79 426.83	100.47
10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>					
Note: Includes headrail.					
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,758.80 -154.21 175.79 334.68	108.36
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,140.86 175.79 412.39	116.23
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,382.77 175.79 461.93	120.17
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>					
Note: Excludes above ceiling steel.					
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,810.25 -155.41 175.79 339.17	128.05
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,189.57 175.79 416.31	135.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,420.28 175.79 463.50	139.87
10 21 13 19-0149			Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,777.71 -148.22 175.79 326.04	147.75
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,144.80 175.79 400.60	155.64
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,375.49 175.79 447.79	159.58
10 21 13 19-0153			Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	569.90 48.71 102.04	55.13
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	645.51 48.71 116.66	59.06
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	777.12 48.71 143.03	63.01
10 21 13 19-0158			Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	359.88 48.71 60.45	47.25
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	418.14 48.71 71.43	51.19
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	505.02 48.71 88.41	55.13
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	364.30 48.71 60.12	51.19
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	459.47 48.71 78.85	55.13
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	539.14 48.71 94.32	59.06
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	588.51 48.71 107.21	51.19
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	664.60 48.71 121.92	55.13
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	798.73 48.71 148.83	59.06
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	433.49 78.38 85.99	15.76
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	448.61 78.38 89.16	15.76
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	491.34 78.38 97.51	17.73
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	530.76 78.38 105.78	17.73

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	571.25 78.38 114.29	17.73
10 21 13 19-0177			Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	131.06 48.71 19.96	23.64
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	176.85 48.71 28.94	25.61
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	243.58 48.71 42.33	27.58
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	311.03 48.71 55.86	29.55
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	347.36 48.71 62.86	31.52
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	385.53 48.71 70.24	33.49
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	451.19 48.71 83.40	35.47
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	518.82 48.71 96.97	37.44
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	553.55 48.71 103.64	39.40
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	569.12 48.71 106.66	40.19
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	579.90 48.71 108.54	41.37
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	668.93 48.71 126.60	43.34
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	810.59 48.71 155.72	45.31
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	204.47 22.60 48.71 39.16	11.82
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.28 25.96 48.71 45.00	13.79
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	239.22 25.96 48.71 45.19	15.76
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	277.33 30.23 48.71 52.56	17.73
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	312.05 34.08 48.71 59.23	19.70
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	346.78 37.93 48.71 65.89	21.67
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	445.33 49.76 48.71 85.95	23.64
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	548.37 62.14 48.71 106.96	25.61
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	575.82 65.08 48.71 112.10	27.58
10 21 13 19-0201			83" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 21	13	19-0202	EA Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	224.63 25.12 48.71 43.39	11.82
	10 21	13	19-0203	EA 5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	263.28 29.46 48.71 50.88	13.79
	10 21	13	19-0204	EA 6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	267.22 29.46 48.71 51.07	15.76
	10 21	13	19-0205	EA 8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	309.80 34.29 48.71 59.38	17.93
	10 21	13	19-0206	EA 10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	350.12 38.84 48.71 67.22	19.70
	10 21	13	19-0207	EA 12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	390.74 43.43 48.71 75.12	21.67
	10 21	13	19-0208	EA 16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	510.84 57.95 48.71 99.71	23.64
	10 21	13	19-0209	EA 20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	609.68 69.81 48.71 119.84	25.61
	10 21	13	19-0210	EA 24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	641.05 73.24 48.71 125.79	27.58
10 21	13	19-0211	96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>			
	10 21	13	19-0212	EA Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	252.66 27.64 48.71 48.02	15.76
	10 21	13	19-0213	EA 5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	299.16 32.96 48.71 57.15	17.73
	10 21	13	19-0214	EA 6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	303.09 32.96 48.71 57.34	19.70
	10 21	13	19-0215	EA 8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	350.14 38.35 48.71 66.60	21.67
	10 21	13	19-0216	EA 10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	396.07 43.60 48.71 75.61	23.64
	10 21	13	19-0217	EA 12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	442.56 48.92 48.71 84.74	25.61
	10 21	13	19-0218	EA 16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	584.22 66.13 48.71 113.86	27.58
	10 21	13	19-0219	EA 20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	678.85 77.47 48.71 133.10	29.55
	10 21	13	19-0220	EA 24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster For 1" Pilaster, Add For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	714.16 81.39 48.71 139.89	31.52
10 21	13	19-0221	Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>	Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21	13	19-0222	Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0221)</small>	Note: Small particulate finish.		
10 21	13	19-0223	Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small>			

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0224	EA 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,434.92 -325.76 -749.25 175.79	88.65
10 21 13 19-0225	EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,151.18 -910.37 175.79	96.53
10 21 13 19-0226	EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,605.39 -1,013.02 175.79	100.47
10 21 13 19-0227	Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0227)</small>		
10 21 13 19-0228	EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,563.05 -334.64 -769.66 175.79	108.36
10 21 13 19-0229	EA 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,688.55 -1,024.90 175.79	116.23
10 21 13 19-0230	EA 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,192.73 -1,139.05 175.79	120.17
10 21 13 19-0231	Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0231)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,989.51 -373.34 -858.68 175.79	128.05
10 21 13 19-0233	EA 60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,368.35 -1,172.19 175.79	135.94
10 21 13 19-0234	EA 60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,872.15 -1,286.25 175.79	139.87
10 21 13 19-0235	Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0235)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA 36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	4,024.11 -372.86 -857.58 175.79	147.75
10 21 13 19-0237	EA 60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,150.02 -1,112.91 175.79	155.64
10 21 13 19-0238	EA 60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,653.79 -1,226.97 175.79	159.58
10 21 13 19-0239	Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0240	Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0240)</small>		
10 21 13 19-0241	EA 24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	938.87 -190.58 48.71	55.13
10 21 13 19-0242	EA 36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,244.30 -259.02 48.71	59.06
10 21 13 19-0243	EA 48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,549.74 -327.46 48.71	63.01
10 21 13 19-0244	Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0244)</small>		
10 21 13 19-0245	EA 18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	475.10 -87.54 48.71	47.25
10 21 13 19-0246	EA 24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	609.82 -116.71 48.71	51.19
10 21 13 19-0247	EA 30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	744.56 -145.89 48.71	55.13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0248	Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens ⁽¹⁰⁾		
	<small>(21 13 19-0239)</small>		
10 21 13 19-0249	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	624.42	51.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-120.07	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0250	EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	781.09	55.13
	<i>For Solid Color Material (No Particulate), Deduct</i>	-154.29	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0251	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	937.73	59.06
	<i>For Solid Color Material (No Particulate), Deduct</i>	-188.51	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0252	Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens		
	<small>(10 21 13 19-0239)</small>		
10 21 13 19-0253	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	963.42	51.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-198.04	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0254	EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,268.86	55.13
	<i>For Solid Color Material (No Particulate), Deduct</i>	-266.48	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0255	EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,574.29	59.06
	<i>For Solid Color Material (No Particulate), Deduct</i>	-334.92	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0256	Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0221)		
10 21 13 19-0257	Solid Polyester (Corian), Toilet Partition Doors ^(10 21 13 19-0256)		
10 21 13 19-0258	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	750.61	15.76
	<i>For Solid Color Material (No Particulate), Deduct</i>	-165.39	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 19-0259	EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	802.00	15.76
	<i>For Solid Color Material (No Particulate), Deduct</i>	-177.21	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 19-0260	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	914.65	17.73
	<i>For Solid Color Material (No Particulate), Deduct</i>	-202.21	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 19-0261	EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,020.70	17.73
	<i>For Solid Color Material (No Particulate), Deduct</i>	-226.60	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 19-0262	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,066.85	17.73
	<i>For Solid Color Material (No Particulate), Deduct</i>	-237.22	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	78.38	
10 21 13 19-0263	Solid Polyester (Corian), Toilet Partition Panels ^(10 21 13 19-0256)		
10 21 13 19-0264	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	196.05	23.64
	<i>For Solid Color Material (No Particulate), Deduct</i>	-34.22	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0265	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	348.78	25.61
	<i>For Solid Color Material (No Particulate), Deduct</i>	-68.44	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0266	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	501.49	27.58
	<i>For Solid Color Material (No Particulate), Deduct</i>	-102.66	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0267	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	654.22	29.55
	<i>For Solid Color Material (No Particulate), Deduct</i>	-136.88	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0268	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	806.94	31.52
	<i>For Solid Color Material (No Particulate), Deduct</i>	-171.09	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0269	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	959.64	33.49
	<i>For Solid Color Material (No Particulate), Deduct</i>	-205.31	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0270	EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,112.37	35.47
	<i>For Solid Color Material (No Particulate), Deduct</i>	-239.53	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0271	EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,265.08	37.44
	<i>For Solid Color Material (No Particulate), Deduct</i>	-273.75	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0272	EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,442.59	39.40
	<i>For Solid Color Material (No Particulate), Deduct</i>	-313.67	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0273	EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,518.56	40.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-330.78	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0274	EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,570.53	41.37
	<i>For Solid Color Material (No Particulate), Deduct</i>	-342.19	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0275	EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,822.42	43.34
	<i>For Solid Color Material (No Particulate), Deduct</i>	-399.22	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	
10 21 13 19-0276	EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,024.72	45.31
	<i>For Solid Color Material (No Particulate), Deduct</i>	-444.84	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	48.71	

10 Specialties

10 20 Interior Specialties

10 21 Compartments and Cubicles

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0277	72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0278	EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	257.14 -53.71 48.71	11.82
10 21 13 19-0279	EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	319.45 -67.13 48.71	13.79
10 21 13 19-0280	EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	381.77 -80.56 48.71	15.76
10 21 13 19-0281	EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	502.48 -107.41 48.71	17.73
10 21 13 19-0282	EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	623.16 -134.26 48.71	19.70
10 21 13 19-0283	EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	743.85 -161.12 48.71	21.67
10 21 13 19-0284	EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,098.03 -241.67 48.71	23.64
10 21 13 19-0285	EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,335.49 -295.38 48.71	25.61
10 21 13 19-0286	EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,456.18 -322.23 48.71	27.58
10 21 13 19-0287	82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0288	EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	289.56 -61.16 48.71	11.82
10 21 13 19-0289	EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	360.00 -76.46 48.71	13.79
10 21 13 19-0290	EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	422.82 -90.00 48.71	15.76
10 21 13 19-0291	EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	577.48 -124.66 48.71	17.73
10 21 13 19-0292	EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	704.23 -152.91 48.71	19.70
10 21 13 19-0293	EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	841.13 -183.49 48.71	21.67
10 21 13 19-0294	EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,243.98 -275.24 48.71	23.64
10 21 13 19-0295	EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,513.86 -336.41 48.71	25.61
10 21 13 19-0296	EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,650.76 -366.99 48.71	27.58
10 21 13 19-0297	96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0298	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	381.77 -80.56 48.71	15.76
10 21 13 19-0299	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	473.29 -100.70 48.71	17.73
10 21 13 19-0300	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	564.79 -120.84 48.71	19.70
10 21 13 19-0301	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	743.85 -161.12 48.71	21.67
10 21 13 19-0302	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	922.91 -201.39 48.71	23.64
10 21 13 19-0303	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,101.97 -241.67 48.71	25.61
10 21 13 19-0304	EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,631.30 -362.51 48.71	27.58
10 21 13 19-0305	EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	1,985.50 -443.07 48.71	29.55
10 21 13 19-0306	EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster For Solid Color Material (No Particulate), Deduct For Heavy Gauge Full-Height SS Brackets, Add 48.71	2,164.58 -483.35 48.71	31.52

Specialties	10
Interior Specialties	10 20
Compartments and Cubicles	10 21

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001	Accessories (10 21 13 43)		
10 21 13 43-0002	LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	10.15	1.58
10 21 13 43-0003	LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	16.84	1.58
10 21 13 43-0004	EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	81.15	
10 21 13 43-0005	EA Replacement Of 58" Aluminum Wall U Bracket.....	53.11	
10 21 13 43-0006	EA Replacement Of 58" Aluminum Wall Two Ear Bracket.....	88.56	
10 21 13 43-0007	EA Replacement Of 54" Stainless Steel Wall U Bracket.....	62.21	
10 21 13 43-0008	EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	151.01	
10 21 13 43-0009	EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	131.12	
10 21 13 43-0010	EA Replacement Of 57-1/2" Stainless Steel Hinge.....	101.34	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001	Shower Dividers (10 21 16 17)		
10 21 16 17-0002	Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)		
	Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	662.24 69.79	98.50
10 21 16 17-0004	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	833.09 93.05	106.38
10 21 16 17-0005	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,078.27 126.28	118.20
10 21 16 17-0006	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,272.73 149.54	137.91
10 21 16 17-0007	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,467.22 172.80	157.61

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

	Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 17-0009	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	1,601.62 222.93 41.12 57.14 69.69 83.98 119.62 159.62	173.13
10 21 16 17-0010	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	1,978.13 277.81 51.78 71.56 87.56 105.45 122.81 162.81	189.04
10 21 16 17-0011	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,494.36 354.05 66.79 91.73 112.66 135.59 125.21 165.21	201.02
10 21 16 17-0012	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,665.20 377.29 70.96 97.61 119.77 144.17 129.98 169.98	224.90
10 21 16 17-0013	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,048.85 432.89 81.69 112.18 137.78 165.82 133.89 173.89	244.44

10 22 Partitions (10 20)

10 22 13 Wire Mesh Partitions (10 22)

10 Specialties**10 20 Interior Specialties****10 22 Partitions**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0001			Wall Panels <small>(10 22 13)</small> Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF		Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.64	0.99
			For 5' Wide Panels, Add	0.58	
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.02	1.18
			For 5' Wide Panels, Add	0.63	
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.85	1.38
			For 5' Wide Panels, Add	0.70	
10 22 13 00-0005			Ceiling Panels <small>(10 22 13)</small> Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.99	1.18
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.38	1.38
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.98	1.58
10 22 13 00-0009			Sliding Doors <small>(10 22 13)</small> Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,180.10	206.86
			For 8 Gauge, Add	135.64	
			For 6 Gauge, Add	271.29	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,233.82	228.53
			For 8 Gauge, Add	139.37	
			For 6 Gauge, Add	278.74	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,361.29	236.41
			For 8 Gauge, Add	156.91	
			For 6 Gauge, Add	313.83	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,486.43	256.11
			For 8 Gauge, Add	171.74	
			For 6 Gauge, Add	343.49	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,530.93	271.86
			For 8 Gauge, Add	175.27	
			For 6 Gauge, Add	350.53	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,694.94	287.63
			For 8 Gauge, Add	196.72	
			For 6 Gauge, Add	393.43	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,821.42	309.30
			For 8 Gauge, Add	211.35	
			For 6 Gauge, Add	422.71	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,994.47	323.09
			For 8 Gauge, Add	234.55	
			For 6 Gauge, Add	469.11	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,007.65	330.97
			For 8 Gauge, Add	234.95	
			For 6 Gauge, Add	469.91	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,228.90	350.67
			For 8 Gauge, Add	264.20	
			For 6 Gauge, Add	528.40	
10 22 13 00-0020			Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021			Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	816.02	122.14
			For 8 Gauge, Add	96.14	
			For 6 Gauge, Add	192.27	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	881.12	137.91
			For 8 Gauge, Add	104.59	
			For 6 Gauge, Add	209.17	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	946.23	145.78
			For 8 Gauge, Add	112.78	
			For 6 Gauge, Add	225.56	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	920.52	157.61
			For 8 Gauge, Add	106.56	
			For 6 Gauge, Add	213.11	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	988.24	165.48
			For 8 Gauge, Add	115.14	
			For 6 Gauge, Add	230.28	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,032.18	173.36
			For 8 Gauge, Add	120.15	
			For 6 Gauge, Add	240.31	
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	1,258.40	157.61
			For 8 Gauge, Add	157.24	
			For 6 Gauge, Add	314.48	
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	1,336.70	165.48
			For 8 Gauge, Add	167.41	
			For 6 Gauge, Add	334.82	
10 22 13 00-0030			Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,300.67	197.00
			For 8 Gauge, Add	155.70	
			For 6 Gauge, Add	311.40	
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,324.31	208.83
			For 8 Gauge, Add	156.88	
			For 6 Gauge, Add	313.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22	13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,883.13 238.34 476.68	220.64
10 22	13 00-0034	EA	8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,379.47 159.64 319.28	236.41
10 22	13 00-0035	EA	8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,403.11 160.82 321.64	248.22
10 22	13 00-0036	EA	8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,961.92 242.28 484.56	260.05

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	52.58	3.72
		<i>For <135, Add</i>	10.52	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	53.43	3.85
		<i>For <135, Add</i>	10.69	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	55.92	3.97
		<i>For <135, Add</i>	11.18	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	59.30	4.10
		<i>For <135, Add</i>	11.86	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	60.35	4.22
		<i>For <135, Add</i>	12.07	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	61.12	4.35
		<i>For <135, Add</i>	12.22	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	61.86	4.47
		<i>For <135, Add</i>	12.37	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	62.84	4.71
		<i>For <135, Add</i>	12.57	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	89.71	6.78
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	7.63	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	84.16	5.42
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	7.47	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	79.97	4.51
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	7.31	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	77.40	4.75
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.95	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	72.98	3.86
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.75	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	70.27	3.46
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.59	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	69.19	3.73
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.38	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	65.73	3.19
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.18	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	63.28	2.85
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		<i>For 51 STC, Add</i>	6.02	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	96.03	6.04
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		<i>For 51 STC, Add</i>	8.57	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	89.61	4.58
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		<i>For 51 STC, Add</i>	8.34	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	85.69	3.86
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		<i>For 51 STC, Add</i>	8.15	

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26			Wall and Door Protection <small>(10 20)</small>		
10 26 13			Corner Guards <small>(10 26)</small>		
10 26 13 00-0001			Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002			Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	6.32	2.36
			For >50 To 100, Deduct	-0.99	
			For >100 To 200, Deduct	-1.38	
			For >200, Deduct	-1.89	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	6.90	2.36
			For >50 To 100, Deduct	-0.99	
			For >100 To 200, Deduct	-1.38	
			For >200, Deduct	-1.92	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	10.12	2.36
			For >50 To 100, Deduct	-0.99	
			For >100 To 200, Deduct	-1.38	
			For >200, Deduct	-2.08	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	14.14	2.36
			For >50 To 100, Deduct	-0.99	
			For >100 To 200, Deduct	-1.38	
			For >200, Deduct	-2.28	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	13.42	2.36
			For >50 To 100, Deduct	-0.99	
			For >100 To 200, Deduct	-1.38	
			For >200, Deduct	-2.25	
10 26 13 00-0011			Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012			Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	12.45	3.54
			For >50 To 100, Deduct	-1.48	
			For >100 To 200, Deduct	-2.07	
			For >200, Deduct	-2.98	
			For Recycled Vinyl Retainer, Deduct	-1.31	
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	14.24	3.54
			For >50 To 100, Deduct	-1.48	
			For >100 To 200, Deduct	-2.07	
			For >200, Deduct	-3.07	
			For Recycled Vinyl Retainer, Deduct	-1.67	
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	16.03	3.54
			For >50 To 100, Deduct	-1.48	
			For >100 To 200, Deduct	-2.07	
			For >200, Deduct	-3.16	
			For Recycled Vinyl Retainer, Deduct	-2.03	
10 26 13 00-0017			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	19.38	3.54
			For >50 To 100, Deduct	-1.48	
			For >100 To 200, Deduct	-2.07	
			For >200, Deduct	-3.33	
			For Recycled Vinyl Retainer, Deduct	-2.70	
10 26 13 00-0019			End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF		2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	27.77	4.72
			For >50 To 100, Deduct	-1.97	
			For >100 To 200, Deduct	-2.75	
			For >200, Deduct	-4.54	
			For Recycled Vinyl Retainer, Deduct	-3.98	
10 26 13 00-0021			Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022			90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		

Specialties	10
Interior Specialties	10 20
Wall and Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	17.60	3.54
For >50 To 100, Deduct	-1.48	
For >100 To 200, Deduct	-2.07	
For >200, Deduct	-3.24	
For Up To 2 HR Fire Rated, Add	8.19	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	21.84	3.54
For >50 To 100, Deduct	-1.48	
For >100 To 200, Deduct	-2.07	
For >200, Deduct	-3.45	
For Up To 2 HR Fire Rated, Add	11.16	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	20.02	3.54
For >50 To 100, Deduct	-1.48	
For >100 To 200, Deduct	-2.07	
For >200, Deduct	-3.36	
For Up To 2 HR Fire Rated, Add	9.88	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	23.65	3.54
For >50 To 100, Deduct	-1.48	
For >100 To 200, Deduct	-2.07	
For >200, Deduct	-3.54	
For Up To 2 HR Fire Rated, Add	12.43	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	51.87	4.72
For >50 To 100, Deduct	-1.97	
For >100 To 200, Deduct	-2.75	
For >200, Deduct	-5.74	
For Up To 2 HR Fire Rated, Add	30.80	
10 26 13 00-0030 Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	9.46	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.05	
For Bolting To Concrete Or Masonry, Add	2.01	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3).....	12.65	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.21	
For Bolting To Concrete Or Masonry, Add	2.49	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15).....	15.24	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.34	
For Bolting To Concrete Or Masonry, Add	2.88	
10 26 13 00-0036 Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	5.60	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-1.86	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	7.17	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-1.93	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	8.99	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.03	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	10.09	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.08	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	9.69	2.36
For >50 To 100, Deduct	-0.99	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.06	

10 Specialties

10 20 Interior Specialties

10 26 Wall and Door Protection



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>			
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	10.09	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.08		
10 26 13 00-0046		Aluminum Corner Guards <small>(10 26 13)</small>			
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>			
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>			
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	8.78	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.02		
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	10.89	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.12		
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	12.19	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.19		
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>			
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	8.78	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.02		
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	10.89	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.12		
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	12.19	2.36	
		<i>For >50 To 100, Deduct</i>	-0.99		
		<i>For >100 To 200, Deduct</i>	-1.38		
		<i>For >200, Deduct</i>	-2.19		
10 26 13 00-0056		Steel Corner Guards <small>(10 26 13)</small>			
10 26 13 00-0057		Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>			
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>			
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>			
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	11.56	2.84	
		<i>For Galvanizing, Add</i>	2.39		
		<i>For >50 To 100, Deduct</i>	-1.18		
		<i>For >100 To 200, Deduct</i>	-1.65		
		<i>For >200, Deduct</i>	-2.47		
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	15.10	3.07	
		<i>For Galvanizing, Add</i>	3.49		
		<i>For >50 To 100, Deduct</i>	-1.28		
		<i>For >100 To 200, Deduct</i>	-1.79		
		<i>For >200, Deduct</i>	-2.80		
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.11	3.19	
		<i>For Galvanizing, Add</i>	3.78		
		<i>For >50 To 100, Deduct</i>	-1.33		
		<i>For >100 To 200, Deduct</i>	-1.86		
		<i>For >200, Deduct</i>	-2.93		
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.44	3.31	
		<i>For Galvanizing, Add</i>	3.83		
		<i>For >50 To 100, Deduct</i>	-1.38		
		<i>For >100 To 200, Deduct</i>	-1.93		
		<i>For >200, Deduct</i>	-3.03		
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	20.99	3.42	
		<i>For Galvanizing, Add</i>	5.35		
		<i>For >50 To 100, Deduct</i>	-1.43		
		<i>For >100 To 200, Deduct</i>	-2.00		
		<i>For >200, Deduct</i>	-3.33		
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	25.55	3.54	
		<i>For Galvanizing, Add</i>	6.88		
		<i>For >50 To 100, Deduct</i>	-1.48		
		<i>For >100 To 200, Deduct</i>	-2.07		
		<i>For >200, Deduct</i>	-3.64		
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	44.54	4.72	
		<i>For Galvanizing, Add</i>	12.83		
		<i>For >50 To 100, Deduct</i>	-1.97		
		<i>For >100 To 200, Deduct</i>	-2.75		
		<i>For >200, Deduct</i>	-5.38		
10 26 13 00-0067		Stainless Steel Corner Guards <small>(10 26 13)</small>			
10 26 13 00-0068		Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small>			
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.			

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	9.98	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.08	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	11.83	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.17	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	16.67	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.41	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	16.67	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.41	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	16.67	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.41	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	16.67	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-2.41	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	20.51	2.84
		<i>For >50 To 100, Deduct</i>	-1.18	
		<i>For >100 To 200, Deduct</i>	-1.65	
		<i>For >200, Deduct</i>	-2.91	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	35.05	3.07
		<i>For >50 To 100, Deduct</i>	-1.28	
		<i>For >100 To 200, Deduct</i>	-1.79	
		<i>For >200, Deduct</i>	-3.80	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	49.64	3.19
		<i>For >50 To 100, Deduct</i>	-1.33	
		<i>For >100 To 200, Deduct</i>	-1.86	
		<i>For >200, Deduct</i>	-4.61	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	46.15	3.31
		<i>For >50 To 100, Deduct</i>	-1.38	
		<i>For >100 To 200, Deduct</i>	-1.93	
		<i>For >200, Deduct</i>	-4.51	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	66.73	3.42
		<i>For >50 To 100, Deduct</i>	-1.43	
		<i>For >100 To 200, Deduct</i>	-2.00	
		<i>For >200, Deduct</i>	-5.62	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	61.41	3.54
		<i>For >50 To 100, Deduct</i>	-1.48	
		<i>For >100 To 200, Deduct</i>	-2.07	
		<i>For >200, Deduct</i>	-5.43	
10 26 13 00-0087		Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	51.74	2.36
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 200, Deduct</i>	-1.38	
		<i>For >200, Deduct</i>	-4.16	
		<i>For Bolting To Concrete Or Masonry, Add</i>	8.35	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		

10 Specialties

10 20 Interior Specialties

10 26 Wall and Door Protection



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0095	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	22.30	2.36
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100 To 200, Deduct</i>	-1.38	
			<i>For >200, Deduct</i>	-2.69	
			<i>For Bolting To Concrete Or Masonry, Add</i>	3.94	
10 26 13 00-0096			Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0097			Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098			90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	19.35	2.36
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100 To 200, Deduct</i>	-1.38	
			<i>For >200, Deduct</i>	-2.54	
			<i>For Bolting To Concrete Or Masonry, Add</i>	3.49	
10 26 16			Bumper Guards <small>(10 26)</small>		
10 26 16 13			Bumper Rails <small>(10 26 16)</small>		
10 26 16 13-0001			Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0002			Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003	LF		3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	10.20	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-3.03	
10 26 16 13-0004	LF		4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	11.58	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-3.10	
10 26 16 13-0005			Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006	LF		4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	35.63	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-4.30	
10 26 16 13-0007			Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008	LF		4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	64.97	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-5.77	
10 26 16 13-0009	LF		5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	50.30	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-5.04	
10 26 16 13-0010			Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011			Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012	LF		1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	11.02	2.76
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100 To 200, Deduct</i>	-1.93	
			<i>For >200, Deduct</i>	-2.76	
10 26 16 13-0013	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	13.61	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-3.20	
10 26 16 13-0014	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	14.98	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-3.27	
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	15.72	3.15
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-2.21	
			<i>For >200, Deduct</i>	-3.31	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	19.16	3.35
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100 To 200, Deduct</i>	-2.34	
			<i>For >200, Deduct</i>	-3.63	
10 26 16 13-0017	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	19.28	3.35
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100 To 200, Deduct</i>	-2.34	
			<i>For >200, Deduct</i>	-3.64	

Specialties	10
Interior Specialties	10 20
Wall and Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0018 LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	19.94	3.35
For >50 To 100, Deduct	-1.67	
For >100 To 200, Deduct	-2.34	
For >200, Deduct	-3.67	
10 26 16 13-0019 LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	24.45	3.54
For >50 To 100, Deduct	-1.77	
For >100 To 200, Deduct	-2.48	
For >200, Deduct	-4.05	
10 26 16 13-0020 Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021 D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022 LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	15.70	2.76
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.93	
For >200, Deduct	-2.99	
10 26 16 13-0023 LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	23.90	3.15
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.21	
For >200, Deduct	-3.72	
10 26 16 13-0024 LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	36.59	3.15
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.21	
For >200, Deduct	-4.35	
10 26 16 13-0025 LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	52.58	3.15
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.21	
For >200, Deduct	-5.15	
10 26 16 13-0026 Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027 LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	39.18	3.35
For >50 To 100, Deduct	-1.67	
For >100 To 200, Deduct	-2.34	
For >200, Deduct	-4.64	
10 26 16 13-0028 LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	50.06	3.54
For >50 To 100, Deduct	-1.77	
For >100 To 200, Deduct	-2.48	
For >200, Deduct	-5.34	
10 26 16 13-0029 Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030 LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	66.44	3.15
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.21	
For >200, Deduct	-5.84	
10 26 16 13-0031 LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	70.84	3.15
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.21	
For >200, Deduct	-6.06	
10 26 16 13-0032 LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	31.15	2.76
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.93	
For >200, Deduct	-3.76	
10 26 16 13-0033 U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034 LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	55.46	3.35
For >50 To 100, Deduct	-1.67	
For >100 To 200, Deduct	-2.34	
For >200, Deduct	-5.45	
10 26 16 13-0035 LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	62.43	3.35
For >50 To 100, Deduct	-1.67	
For >100 To 200, Deduct	-2.34	
For >200, Deduct	-5.80	
10 26 16 13-0036 Accent Rails <small>(10 26 16 13)</small>		
Note: Includes end caps.		
10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038 LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	13.41	2.76
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.93	
For >200, Deduct	-2.87	
10 26 16 13-0039 LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	13.44	2.76
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.93	
For >200, Deduct	-2.88	
10 26 16 13-0040 LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	20.20	2.76
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.93	
For >200, Deduct	-3.21	
10 26 16 16 Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001 Protective Corridor Handrails <small>(10 26 16 16)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	28.28	5.90
			For >50 To 100, Deduct	-2.95	
			For >100 To 200, Deduct	-4.13	
			For >200, Deduct	-6.14	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	23.57	5.90
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-4.13	
			For >100, Deduct	-5.90	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	42.39	5.90
			For >50 To 100, Deduct	-2.95	
			For >100 To 200, Deduct	-4.13	
			For >200, Deduct	-6.84	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	32.98	5.90
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-4.13	
			For >100, Deduct	-6.37	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	44.75	5.90
			For >50 To 100, Deduct	-2.95	
			For >100 To 200, Deduct	-4.13	
			For >200, Deduct	-6.96	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	49.45	5.90
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-4.13	
			For >100, Deduct	-7.20	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	61.21	5.90
			For >50 To 100, Deduct	-2.95	
			For >100 To 200, Deduct	-4.13	
			For >200, Deduct	-7.78	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	68.27	5.90
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-4.13	
			For >100, Deduct	-8.14	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	84.74	5.90
			For >50 To 100, Deduct	-2.95	
			For >100 To 200, Deduct	-4.13	
			For >200, Deduct	-8.96	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	87.09	5.90
			For >25 To 50, Deduct	-2.95	
			For >50 To 100, Deduct	-4.13	
			For >100, Deduct	-9.08	
10 26 16 16-0014			Hardwood Protective Corridor Handrails (10 26 16 16-0001)		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	29.10	4.95
			For >50 To 100, Deduct	-2.48	
			For >100 To 200, Deduct	-3.47	
			For >200, Deduct	-5.42	
			For Maple, Add	0.58	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	35.22	5.28
			For >50 To 100, Deduct	-2.64	
			For >100 To 200, Deduct	-3.69	
			For >200, Deduct	-5.98	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	24.99	4.95
			For >50 To 100, Deduct	-2.48	
			For >100 To 200, Deduct	-3.47	
			For >200, Deduct	-5.21	
			For Maple, Add	6.49	
			For Oak, Add	7.24	
10 26 23			Protective Wall Covering (10 26)		
10 26 23 13			Impact Resistant Wall Protection (10 26 23)		
10 26 23 13-0001			Impact Resistant Wall Protection (10 26 23 13)		
			Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	6.86	1.97
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	7.22	1.97
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	9.27	1.97
10 26 23 13-0005			Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			"L" Design (10 26 23 13-0005)		
10 26 23 13-0007			L-Shield (10 26 23 13-0006)		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	11.51	1.97
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	13.27	2.76
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	17.43	3.54
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	23.99	4.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0012 "Combo" Hanger <small>(10 26 23 13-0006)</small>					
10 26 23 13-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe	12.50	3.94
10 26 23 13-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe	14.44	4.73
10 26 23 13-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	16.66	5.51
10 26 23 13-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	18.52	6.30
10 26 23 13-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe	20.75	7.09
10 26 23 13-0018 Snap-2 Pipe Hanger <small>(10 26 23 13-0006)</small>					
10 26 23 13-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	10.28	3.94
10 26 23 13-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe	12.50	4.73
10 26 23 13-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	14.54	5.51
10 26 23 13-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	16.95	6.30
10 26 23 13-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe	19.45	7.09
10 26 23 13-0024 Coupling <small>(10 26 23 13-0006)</small>					
10 26 23 13-0025	EA		Coupling, L-Shield, 1" Shield Size	6.80	1.97
10 26 23 13-0026	EA		Coupling, L-Shield, 1-1/4" Shield Size	9.85	2.76
10 26 23 13-0027	EA		Coupling, L-Shield, 2" Shield Size	14.20	3.54
10 26 23 13-0028	EA		Coupling, L-Shield, 2-1/2" Shield Size	17.80	4.33
10 26 23 13-0029 Coupling, Reducer <small>(10 26 23 13-0006)</small>					
10 26 23 13-0030	EA		Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	19.50	2.36
10 26 23 13-0031	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size	23.98	2.76
10 26 23 13-0032	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	28.46	3.15
10 26 23 13-0033	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	112.03	3.94
10 26 23 13-0034 Shield Clips <small>(10 26 23 13-0006)</small>					
10 26 23 13-0035	EA		Shield Clips, L-Support, 1" Shield Size	4.11	1.18
10 26 23 13-0036	EA		Shield Clips, L-Support, 1-1/4" Shield Size	6.16	1.97
10 26 23 13-0037	EA		Shield Clips, L-Support, 2" Shield Size	8.10	2.76
10 26 23 13-0038	EA		Shield Clips, L-Support, 2-1/2" Shield Size	9.12	3.54
10 26 23 13-0039 Wall Flange <small>(10 26 23 13-0006)</small>					
10 26 23 13-0040	EA		Wall Flange, L-Shield, 1" Shield Size	6.62	1.97
10 26 23 13-0041	EA		Wall Flange, L-Shield, 1-1/4" Shield Size	9.48	2.76
10 26 23 13-0042	EA		Wall Flange, L-Shield, 2" Shield Size	13.83	3.54
10 26 23 13-0043	EA		Wall Flange, L-Shield, 2-1/2" Shield Size	58.21	4.33
10 26 23 13-0044 End Cap <small>(10 26 23 13-0006)</small>					
10 26 23 13-0045	EA		End Cap, L-Shield, 1" Shield Size	6.88	1.18
10 26 23 13-0046	EA		End Cap, L-Shield, 1-1/4" Shield Size	9.11	1.97
10 26 23 13-0047	EA		End Cap, L-Shield, 2" Shield Size	12.62	2.76
10 26 23 13-0048	EA		End Cap, L-Shield, 2-1/2" Shield Size	59.35	3.54
10 26 23 13-0049 Inside/Outside Corner <small>(10 26 23 13-0006)</small>					
10 26 23 13-0050	EA		Inside/Outside Corner, L-Shield, 1" Shield Size	43.24	3.94
10 26 23 13-0051	EA		Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	46.57	4.73
10 26 23 13-0052	EA		Inside/Outside Corner, L-Shield, 2" Shield Size	56.23	5.91
10 26 23 13-0053	EA		Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	98.68	7.09
10 26 23 13-0054 Joiner <small>(10 26 23 13-0006)</small>					
10 26 23 13-0055	LF		Joiner, L-Shield	8.92	1.18
10 26 23 13-0056 "U" Design <small>(10 26 23 13-0005)</small>					
10 26 23 13-0057 U-Shield <small>(10 26 23 13-0056)</small>					
10 26 23 13-0058	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	13.91	1.97
10 26 23 13-0059	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	17.33	2.76
10 26 23 13-0060	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	22.14	2.76
10 26 23 13-0061 "Combo" Hanger <small>(10 26 23 13-0056)</small>					
10 26 23 13-0062	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe	10.74	3.94
10 26 23 13-0063	EA		Combination "Combo" Hanger, U-Support For 1" Pipe	12.77	4.73
10 26 23 13-0064	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	14.72	5.51
10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	18.24	6.30
10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 2" Pipe	20.65	7.09
10 26 23 13-0067 Snap-2 Pipe Hanger <small>(10 26 23 13-0056)</small>					
10 26 23 13-0068	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	10.10	3.94
10 26 23 13-0069	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe	12.31	4.73
10 26 23 13-0070	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	15.00	5.51
10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	16.77	6.30

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	19.36	7.09
10 26 23 13-0073		Coupling <small>(10 26 23 13-0056)</small>		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size.....	8.10	1.97
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size.....	10.13	2.76
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size.....	12.35	3.54
10 26 23 13-0077		Coupling, Reducer <small>(10 26 23 13-0056)</small>		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	23.20	2.36
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	27.67	2.76
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	29.38	3.15
10 26 23 13-0081		Shield Clips <small>(10 26 23 13-0056)</small>		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size.....	3.74	1.18
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	5.51	1.97
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size.....	7.26	2.76
10 26 23 13-0085		Wall Flange <small>(10 26 23 13-0056)</small>		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	7.82	1.97
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	10.03	2.76
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	12.26	3.54
10 26 23 13-0089		End Cap <small>(10 26 23 13-0056)</small>		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size.....	7.35	1.18
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size.....	9.85	1.97
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size.....	12.25	2.76
10 26 23 13-0093		Inside/Outside Corner <small>(10 26 23 13-0056)</small>		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	54.42	3.94
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	60.51	4.73
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	71.56	5.91
10 26 23 13-0097		Elbow <small>(10 26 23 13-0056)</small>		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	53.40	3.94
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	58.66	4.73
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	69.81	5.91
10 26 23 13-0101		Tee <small>(10 26 23 13-0056)</small>		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size.....	67.50	5.91
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	75.04	7.09
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size.....	87.61	8.66
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	89.11	6.70
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	96.05	8.27
10 26 23 13-0107		Cross <small>(10 26 23 13-0056)</small>		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size.....	122.41	7.88
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	137.10	9.45
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size.....	166.57	11.82
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	168.03	8.66
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	184.71	10.63
10 26 23 13-0113		Transition Fittings (L to U Or U to L) <small>(10 26 23 13-0005)</small>		
10 26 23 13-0114		Coupling Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL.....	20.74	1.97
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	23.42	2.76
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL.....	29.16	3.54
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL.....	23.47	2.36
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL.....	29.20	3.15
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL.....	117.30	3.94
10 26 23 13-0121		Elbow Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	71.96	3.94
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	77.96	4.73
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	91.41	5.91
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	112.08	4.33
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	79.20	4.33
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	118.32	5.51
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	91.64	5.51
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	142.25	6.30

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0130		Tee Transition <small>(10 26 23 13-0113)</small>			
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	82.36		5.91
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	95.26		7.09
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	110.78		8.66
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	86.99		6.70
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	136.86		7.48
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	96.88		8.27
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	132.35		9.85

10 26 23 13-0138 **Fittings (L Or U)** (10 26 23 13-0005)

10 26 23 13-0139 **Hugger Hangers For Steel Pipe** (10 26 23 13-0138)

10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	8.24		3.15
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	10.28		3.94
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe	12.04		4.73
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	13.89		5.51
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	15.66		6.30
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe	17.61		6.30
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	19.36		7.88
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe	24.36		8.66

10 26 23 13-0148 **Hugger Hangers For Copper Pipe** (10 26 23 13-0138)

10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger	8.33		3.15
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger	10.37		3.94
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger	12.13		4.73
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	13.98		5.51
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	15.75		6.30
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger	17.79		7.09
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	19.55		7.88
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger	24.63		8.66

10 26 23 13-0157 **Shield Extension (L Or U)** (10 26 23 13-0138)

10 26 23 13-0158	LF	Shield Extension	10.85		1.18
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10 26 23 13-0159 **Interior Steel Soffit System** (10 26 23 13)

Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.

10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	20.51		3.54
		<i>For 22 Gauge Steel, Add</i>	1.34		
		<i>For 20 Gauge Steel, Add</i>	2.87		
		<i>For 18 Gauge Steel, Add</i>	5.64		
		<i>For 16 Gauge Steel, Add</i>	8.66		
		<i>For Stainless Steel, Add</i>	3.36		
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	31.93		9.85
		<i>For Stainless Steel, Add</i>	3.06		
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	81.48		11.82
		<i>For Stainless Steel, Add</i>	14.26		
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	24.86		5.91
		<i>For Stainless Steel, Add</i>	3.26		
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	5.25		2.36
		<i>For Stainless Steel, Add</i>	0.13		
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	23.36		3.54
		<i>For 22 Gauge Steel, Add</i>	1.22		
		<i>For 20 Gauge Steel, Add</i>	2.60		
		<i>For 18 Gauge Steel, Add</i>	5.04		
		<i>For 16 Gauge Steel, Add</i>	8.46		
		<i>For Stainless Steel, Add</i>	4.07		
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	31.93		9.85
		<i>For Stainless Steel, Add</i>	3.06		
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	81.48		11.82
		<i>For Stainless Steel, Add</i>	14.26		
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	21.70		4.33
		<i>For Stainless Steel, Add</i>	3.26		
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	5.25		2.36
		<i>For Stainless Steel, Add</i>	0.13		

10 26 41 **Bullet Resistant Panels** (10 26)

10 26 41 00-0001 **Laminated Bullet Resistant Fiberglass Panel** (10 26 41)

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	15.09		1.11
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	20.69		1.20
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	23.41		1.27
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	24.90		1.35
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	26.98		1.43
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	29.04		1.51
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	49.32		1.83
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	70.87		2.86
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	84.30		3.41
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	101.70		3.73

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**10 28 Toilet, Bath, and Laundry Accessories** (10 20)**10 28 13 Toilet Accessories** (10 28)**10 28 13 13 Commercial Toilet Accessories** (10 28 13)

10 28 13 13-0001	EA	Toilet Accessories (10 28 13 13)		
10 28 13 13-0002	EA	Dispensers (10 28 13 13-0001)		
10 28 13 13-0003	EA	Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004	EA	Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	82.56	17.72
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	88.50	17.72
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	89.38	17.72
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	91.09	17.72
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	138.04	17.72
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	148.34	17.72
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	163.67	17.72
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	171.38	7.87
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	285.94	17.72
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	339.49	17.72
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	364.99	17.72
10 28 13 13-0016	EA	Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0017	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	62.30	17.72
10 28 13 13-0018	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	130.55	17.72
10 28 13 13-0019	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	129.64	17.72
10 28 13 13-0020	EA	Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0021	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	68.25	17.72
10 28 13 13-0022	EA	Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0023	EA	Plastic Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0024	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	62.08	17.72
10 28 13 13-0025	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	176.60	17.72
10 28 13 13-0026	EA	Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0027	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	55.92	17.72
10 28 13 13-0028	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	56.36	17.72
10 28 13 13-0029	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	59.44	17.72
10 28 13 13-0030	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	65.16	17.72
10 28 13 13-0031	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	86.30	17.72
10 28 13 13-0032	EA	Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0033	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	47.33	17.72
10 28 13 13-0034	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	137.90	17.72
10 28 13 13-0035	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	79.65	17.72
10 28 13 13-0036	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	75.95	17.72
10 28 13 13-0037	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	82.50	17.72
10 28 13 13-0038	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	109.06	19.69
10 28 13 13-0039	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	82.50	17.72
10 28 13 13-0040	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	109.06	17.72
10 28 13 13-0041	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	117.60	17.72
10 28 13 13-0042	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	184.59	17.72
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6997)	184.59	17.72
10 28 13 13-0044	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	76.09	17.72
10 28 13 13-0045	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	89.60	17.72
10 28 13 13-0046	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	55.47	17.72
10 28 13 13-0047	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	96.42	17.72
10 28 13 13-0048	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	136.23	17.72
10 28 13 13-0049	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	143.32	17.72
10 28 13 13-0050	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	181.59	17.72
10 28 13 13-0051	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	210.91	17.72
10 28 13 13-0052	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	260.45	17.72
10 28 13 13-0053	EA	Note: Mounts centered through toilet partitions. Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	111.40	17.72

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0054		Soap or Sanitizer Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0055	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	74.85	17.72
		<i>For 34 Fluid Ounce (B-822), Add</i>	4.02	
10 28 13 13-0056	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	81.46	17.72
		<i>For 34 Fluid Ounce (B-822), Add</i>	4.02	
10 28 13 13-0057	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	49.75	17.72
10 28 13 13-0058	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	54.37	17.72
10 28 13 13-0059	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	65.63	17.72
10 28 13 13-0060	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	67.54	17.72
10 28 13 13-0061	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	76.17	17.72
10 28 13 13-0062	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	97.09	17.72
10 28 13 13-0063	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	166.83	17.72
10 28 13 13-0064	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	268.33	17.72
10 28 13 13-0065	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	164.92	17.72

Note: Includes start-up kit.

10 28 13 13-0066		Sanitizer Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0067		Manual Sanitizer Dispensers <small>(10 28 13 13-0066)</small>		
10 28 13 13-0068	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	57.25	17.72
10 28 13 13-0069	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	58.20	17.72
10 28 13 13-0070	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	57.90	17.72

10 28 13 13-0071		Automatic Sanitizer Dispensers <small>(10 28 13 13-0066)</small>		
10 28 13 13-0072	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	53.24	17.72
10 28 13 13-0073	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	70.84	17.72
10 28 13 13-0074	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	66.45	17.72
10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	71.83	17.72
10 28 13 13-0076	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	83.49	17.72
10 28 13 13-0077	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	84.04	17.72

10 28 13 13-0078		Automatic Floor Stand Sanitizer Dispensers <small>(10 28 13 13-0066)</small>		
10 28 13 13-0079	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	445.21	5.90
10 28 13 13-0080	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	478.93	5.90
10 28 13 13-0081	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	497.77	5.90

10 28 13 13-0082		Facial Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0083	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	86.74	17.72
10 28 13 13-0084	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	59.56	17.72

10 28 13 13-0085		Sanitary Toilet Seat Cover Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0086	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	48.87	17.72
10 28 13 13-0087	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	66.26	17.72
10 28 13 13-0088	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	121.09	17.72
10 28 13 13-0089	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	126.55	17.72
10 28 13 13-0090	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	254.02	17.72

10 28 13 13-0091		Sanitary Toilet Seat Cover/Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0092	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	408.73	17.72
10 28 13 13-0093	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	246.48	17.72

10 28 13 13-0094		Sanitary Napkin/Tampon Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	505.50	17.72
10 28 13 13-0096	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	383.53	17.72
10 28 13 13-0097	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	512.22	17.72
10 28 13 13-0098	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	385.90	17.72
10 28 13 13-0099	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	338.73	17.72
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	360.70	17.72

10 28 13 13-0101		Toilet Compartment Combination Dispenser/Disposals <small>(10 28 13 13-0002)</small>		
10 28 13 13-0102	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	350.96	39.38
10 28 13 13-0103	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	392.93	39.38
10 28 13 13-0104	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	324.28	39.38
10 28 13 13-0105	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	460.31	39.38
10 28 13 13-0106	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	473.29	39.38
10 28 13 13-0107	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	545.73	39.38
10 28 13 13-0108	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	511.09	39.38

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13	13-0109		Receptacles (10 28 13 13-0001)		
10 28 13	13-0110		Wall Mounted Waste Receptacles (10 28 13 13-0109)		
10 28 13	13-0111	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	76.14	17.72
10 28 13	13-0112	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	129.00	17.72
10 28 13	13-0113	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	298.48	39.38
10 28 13	13-0114	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	447.32	39.38
10 28 13	13-0115	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	352.43	39.38
10 28 13	13-0116		Floor-Standing/Counter Waste Receptacles (10 28 13 13-0109)		
10 28 13	13-0117	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	90.59	17.72
10 28 13	13-0118	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	131.43	17.72
10 28 13	13-0119	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	255.94	7.87
10 28 13	13-0120	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	388.49	7.87
10 28 13	13-0121	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	363.79	7.87
10 28 13	13-0122	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	349.74	7.87
10 28 13	13-0123		Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0109)		
10 28 13	13-0124	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	245.64	39.38
10 28 13	13-0125	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	400.42	39.38
10 28 13	13-0126	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	394.26	39.38
10 28 13	13-0127	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	577.11	39.38
10 28 13	13-0128	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	797.88	39.38
10 28 13	13-0129	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	672.99	39.38
10 28 13	13-0130	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	516.69	39.38
10 28 13	13-0131	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	842.52	39.38
10 28 13	13-0132	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	777.53	43.32
10 28 13	13-0133	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	519.48	43.32
10 28 13	13-0134		Sanitary Napkin/Tampon Receptacles (10 28 13 13-0109)		
10 28 13	13-0135	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	69.54	19.69
10 28 13	13-0136	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	142.17	19.69
10 28 13	13-0137	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	154.97	19.69
10 28 13	13-0138	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	366.77	19.69
10 28 13	13-0139	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	192.84	19.69
10 28 13	13-0140	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	340.58	19.69
10 28 13	13-0141		Grab Bars (10 28 13 13-0001)		
10 28 13	13-0142		1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0141)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0143	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	70.35	15.75
			For Peened Grip, Add	3.85	
10 28 13	13-0144	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	81.29	15.75
			For Peened Grip, Add	4.84	
10 28 13	13-0145	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	82.39	15.75
			For Peened Grip, Add	4.93	
10 28 13	13-0146	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	82.91	15.75
			For Peened Grip, Add	4.98	
10 28 13	13-0147	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	83.05	15.75
			For Peened Grip, Add	4.99	
10 28 13	13-0148	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	85.70	15.75
			For Peened Grip, Add	5.23	
10 28 13	13-0149	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	89.87	15.75
			For Peened Grip, Add	5.61	
10 28 13	13-0150		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0141)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0151	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	137.86	15.75
			For Peened Grip, Add	9.57	
10 28 13	13-0152	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	140.71	15.75
			For Peened Grip, Add	9.83	
10 28 13	13-0153		1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0141)		
			Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13	13-0154	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	80.38	15.75
			For Peened Grip, Add	4.75	
10 28 13	13-0155	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	81.29	15.75
			For Peened Grip, Add	4.84	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 28 13 13-0156	EA		24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)..... <i>For Peened Grip, Add</i>	83.05 4.99	15.75
	10 28 13 13-0157	EA		30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)..... <i>For Peened Grip, Add</i>	84.81 5.15	15.75
	10 28 13 13-0158	EA		36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)..... <i>For Peened Grip, Add</i>	87.02 5.35	15.75
	10 28 13 13-0159	EA		42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)..... <i>For Peened Grip, Add</i>	89.00 5.53	15.75
	10 28 13 13-0160	EA		48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)..... <i>For Peened Grip, Add</i>	93.84 5.97	15.75
10 28 13 13-0161				1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0141) Note: Includes satin finish and concealed mounting with snap flange.		
	10 28 13 13-0162	EA		16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)..... <i>For Peened Grip, Add</i>	125.96 8.50	15.75
	10 28 13 13-0163	EA		24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)..... <i>For Peened Grip, Add</i>	135.44 9.35	15.75
	10 28 13 13-0164	EA		36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)..... <i>For Peened Grip, Add</i>	117.59 7.75	15.75
10 28 13 13-0165				1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0141) Note: Includes satin finish and mounting for swing up.		
	10 28 13 13-0166	EA		29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)..... <i>For Peened Grip, Add</i>	371.92 30.99	15.75
10 28 13 13-0167				Shelves (10 28 13 13-0001)		
	10 28 13 13-0168	EA		5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	92.02	17.72
	10 28 13 13-0169	EA		5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	94.67	17.72
	10 28 13 13-0170	EA		5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	106.78	17.72
	10 28 13 13-0171	EA		5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	109.82	17.72
	10 28 13 13-0172	EA		6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	105.02	17.72
	10 28 13 13-0173	EA		6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	106.46	17.72
	10 28 13 13-0174	EA		8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	113.60	17.72
	10 28 13 13-0175	EA		8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	123.94	17.72
	10 28 13 13-0176	EA		8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	145.81	17.72
	10 28 13 13-0177	EA		5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	113.82	17.72
	10 28 13 13-0178	EA		4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683).....	116.02	17.72
	10 28 13 13-0179	EA		12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	387.67	17.72
	10 28 13 13-0180	EA		12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	418.44	17.72
	10 28 13 13-0181	EA		12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	465.94	17.72
	10 28 13 13-0182	EA		12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	595.17	17.72
	10 28 13 13-0183	EA		12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	830.60	17.72
	10 28 13 13-0184	EA		4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	297.29	17.72
10 28 13 13-0185				Changing Stations (10 28 13 13-0001)		
	10 28 13 13-0186	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	347.15	23.63
	10 28 13 13-0187	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	368.41	23.63
	10 28 13 13-0188	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,496.20	23.63
	10 28 13 13-0189	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	1,755.19	23.63
	10 28 13 13-0190	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,496.20	23.63
	10 28 13 13-0191	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,755.19	23.63
10 28 13 13-0192				Folding Shower Seats (10 28 13 13-0001)		
	10 28 13 13-0193	EA		33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	433.64	31.50
	10 28 13 13-0194	EA		33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	572.35	31.50
	10 28 13 13-0195	EA		30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,353.25	31.50
	10 28 13 13-0196	EA		33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	2,585.97	
10 28 13 13-0197				Soap/Dish Holders (10 28 13 13-0001)		
	10 28 13 13-0198	EA		Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	44.97	17.72
	10 28 13 13-0199	EA		Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	46.51	17.72
	10 28 13 13-0200	EA		Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	84.05	17.72
	10 28 13 13-0201	EA		Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	91.76	17.72
10 28 13 13-0202				Shower Curtains/Curtain Rods (10 28 13 13-0001)		
	10 28 13 13-0203	EA		Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	2.25	0.79
	10 28 13 13-0204	EA		42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	38.00	7.87
	10 28 13 13-0205	EA		70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	39.87	7.87
	10 28 13 13-0206	EA		36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	66.48	17.72
	10 28 13 13-0207	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	71.33	17.72
	10 28 13 13-0208	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	77.27	17.72
	10 28 13 13-0209	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	84.54	17.72
	10 28 13 13-0210	EA		36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	58.12	17.72
	10 28 13 13-0211	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	63.84	17.72

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 28 13 13-0212	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	67.15		17.72
10 28 13 13-0213	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	71.33		17.72
10 28 13 13-0214	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	60.54		17.72
10 28 13 13-0215	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	65.38		17.72
10 28 13 13-0216	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	71.10		17.72
10 28 13 13-0217	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	75.07		17.72
10 28 13 13-0218 Hand Dryers <small>(10 28 13 13-0001)</small>					
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	402.14		20.68
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	434.49		20.68
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	483.37		20.68
10 28 13 13-0222	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	692.05		20.68
10 28 13 13-0223	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,214.27		20.68
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,373.94		20.68
10 28 13 13-0225	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	1,503.72		20.68
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	1,565.68		20.68
10 28 13 13-0227	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	1,631.78		20.68
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,585.80		20.68
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,205.97		20.68
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	2,031.36		20.68
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	889.43		20.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	939.45		20.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	968.04		20.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	996.62		20.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	1,053.79		20.68
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.					
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9)	717.93		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M)	767.95		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG)	796.53		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C)	825.12		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	882.28		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	717.93		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	767.95		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	796.53		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	825.12		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0245	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	882.28		20.68
Note: Electronically adjustable sound and speed.					
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	517.84		20.68
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	567.86		20.68
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	596.44		20.68
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	625.03		20.68
10 28 13 13-0250	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	682.20		20.68
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	517.84		20.68
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	567.86		20.68
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	596.44		20.68
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	625.03		20.68
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	682.20		20.68
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	374.92		20.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	424.94	20.68
10 28 13 13-0258	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	482.11	20.68

10 28 13 13-0259 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)
 Note: With or without noise reduction nozzle options.

10 28 13 13-0260	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	737.47	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,040.48	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	866.13	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0263	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,084.07	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0264	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	931.51	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0265	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,149.45	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0266	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	931.51	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0267	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,149.45	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0268	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	866.13	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0269	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,084.07	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0270	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	778.96	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0271	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	996.89	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0272	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	737.47	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0273	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-WH-ECO).....	1,040.48	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0274	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO)	866.13	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0275	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	1,084.07	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0276	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO)	931.51	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0277	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-CH-ECO).....	1,149.45	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0278	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO)	931.51	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0279	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	1,149.45	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0280	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO)	866.13	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0281	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SPH-ECO).....	1,084.07	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0282	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO)	778.96	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	
10 28 13 13-0283	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-BWH-ECO).....	996.89	20.68
			<i>For ADA-Compliant Recess Kit, Add</i>	157.01	

10 28 13 13-0284 Additional Accessories (10 28 13 13-0001)

10 28 13 13-0285 Hooks (10 28 13 13-0284)

10 28 13 13-0286	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	23.02	7.87
10 28 13 13-0287	EA		Single Stainless Steel Robe Hook (Bobrick B-233)	27.86	7.87
10 28 13 13-0288	EA		Single Stainless Steel Robe Hook (Bobrick B-7671)	23.46	7.87
10 28 13 13-0289	EA		Double Stainless Steel Robe Hook (Bobrick B-7672)	25.62	7.87
10 28 13 13-0290	EA		Single Stainless Steel Robe Hook (Bobrick B-6717)	39.30	7.87

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 28 13	13-0291	Clotheslines <small>(10 28 13 13-0284)</small>			
10 28 13	13-0292	EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	40.22		15.75
10 28 13	13-0293	Towel Bars <small>(10 28 13 13-0284)</small>			
10 28 13	13-0294	EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	49.41		17.72
10 28 13	13-0295	EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	49.58		17.72
10 28 13	13-0296	EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	56.04		17.72
10 28 13	13-0297	EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	56.65		17.72
10 28 13	13-0298	EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	84.98		17.72
10 28 13	13-0299	EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	88.72		17.72
10 28 13	13-0300	EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	87.84		17.72
10 28 13	13-0301	EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	90.92		17.72
10 28 13	13-0302	EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	96.43		17.72
10 28 13	13-0303	EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	99.71		17.72
10 28 13	13-0304	EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	72.43		17.72
10 28 13	13-0305	EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	75.29		17.72
10 28 13	13-0306	Towel Bar With Shelf <small>(10 28 13 13-0284)</small>			
10 28 13	13-0307	EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	168.64		17.72
10 28 13	13-0308	Towel Pins <small>(10 28 13 13-0284)</small>			
10 28 13	13-0309	EA Stainless Steel Towel Pin (Bobrick B-677).....	42.17		7.87
10 28 13	13-0310	Mirrors <small>(10 28 13 13)</small>			
10 28 13	13-0311	Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0310)</small>			
10 28 13	13-0312	EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	84.76		19.69
10 28 13	13-0313	EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	96.71		19.69
10 28 13	13-0314	EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	100.85		19.69
		<i>For Tempered Glass (B-165B), Add</i>	34.76		
10 28 13	13-0315	EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	109.34		19.69
		<i>For Tempered Glass (B-165B), Add</i>	40.71		
10 28 13	13-0316	EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	120.23		19.69
10 28 13	13-0317	EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	124.81		19.69
		<i>For Tempered Glass (B-165B), Add</i>	51.53		
10 28 13	13-0318	EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	154.86		19.69
10 28 13	13-0319	EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	179.48		19.69
10 28 13	13-0320	EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	217.09		19.69
10 28 13	13-0321	EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	274.22		19.69
10 28 13	13-0322	EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	308.93		19.69
10 28 13	13-0323	Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0310)</small>			
10 28 13	13-0324	EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	160.52		19.69
10 28 13	13-0325	EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	173.37		19.69
10 28 13	13-0326	EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	181.87		19.69
10 28 13	13-0327	EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	205.83		19.69
10 28 13	13-0328	Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0310)</small>			
10 28 13	13-0329	EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	142.42		19.69
10 28 13	13-0330	EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	156.61		19.69
		<i>For Tempered Glass (B-290B), Add</i>	69.58		
10 28 13	13-0331	EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	161.40		19.69
		<i>For Tempered Glass (B-290B), Add</i>	72.74		
10 28 13	13-0332	EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	189.71		19.69
10 28 13	13-0333	EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	190.80		19.69
		<i>For Tempered Glass (B-290B), Add</i>	92.14		
10 28 13	13-0334	EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	256.36		19.69
10 28 13	13-0335	EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	302.09		19.69
10 28 13	13-0336	EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	344.79		19.69
10 28 13	13-0337	EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	228.52		19.69
10 28 13	13-0338	EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	279.42		19.69
10 28 13	13-0339	EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	429.97		19.69
10 28 13	13-0340	Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0310)</small>			
10 28 13	13-0341	EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	147.39		19.69
10 28 13	13-0342	EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	294.47		19.69
10 28 13	13-0343	EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	308.85		19.69
10 28 13	13-0344	EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	344.79		19.69
10 28 13	13-0345	Frameless Stainless Steel Mirrors <small>(10 28 13 13-0310)</small>			
10 28 13	13-0346	EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	160.09		19.69
10 28 13	13-0347	EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	208.21		19.69

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0348		Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0310)</small>		
10 28 13 13-0349	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	219.11	19.69
10 28 13 13-0350	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	228.48	19.69
10 28 13 13-0351	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	277.49	19.69
10 28 13 13-0352	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	342.17	19.69

10 28 13 13-0353 **Medicine Cabinets** (10 28 13 13)

10 28 13 13-0354 **Metal Medicine Cabinets** (10 28 13 13-0353)

10 28 13 13-0355	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	537.57	39.38
10 28 13 13-0356	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)..... Note: Includes three adjustable plastic shelves.	190.06	39.38
10 28 13 13-0357	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	196.32	39.38
		Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0358	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	435.21	39.38
		Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0359	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	599.24	39.38
		Note: Includes four adjustable shelves.		

10 28 13 13-0360 **Janitorial Material** (10 28 13 13)

10 28 13 13-0361	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	39.30	7.87
10 28 13 13-0362	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	102.81	17.72
10 28 13 13-0363	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	98.85	17.72
10 28 13 13-0364	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	112.80	17.72
10 28 13 13-0365	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	126.59	17.72
10 28 13 13-0366	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	83.37	17.72
10 28 13 13-0367	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	238.00	17.72
10 28 13 13-0368	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	344.34	17.72

10 28 13 13-0369 **Removal And Reinstallation Of Bathroom Accessories** (10 28 13 13)

10 28 13 13-0370	EA	Removal And Reinstallation Of Bathroom Accessory.....	24.62	
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10 28 16 Bath Accessories (10 28)

10 28 16 13 Residential Bath Accessories (10 28 16)

10 28 16 13-0001 **Residential Toilet Accessories** (10 28 16 13)

10 28 16 13-0002 **Residential, Recessed, Chrome Plated Toilet Accessories** (10 28 16 13-0001)

10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	85.26	17.72
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish.....	125.90	17.72
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar.....	134.16	17.72
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	88.76	17.72

10 28 16 13-0007 **Residential, Surface Mounted, Chrome Plated Toilet Accessories** (10 28 16 13-0001)

10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	56.64	11.81
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	65.85	11.81
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook.....	65.85	11.81
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	137.66	11.81
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	114.49	11.81
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	72.77	15.75
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	73.80	15.75
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring.....	54.36	11.81
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	48.76	7.87
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	56.64	11.81
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	118.39	11.81
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser.....	69.03	11.81
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	73.20	7.87
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	229.36	11.81
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	109.96	11.81
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	61.18	11.81

10 28 16 13-0024 **Residential Toilet Accessories** (10 28 16 13-0001)

10 28 16 13-0025	EA	Surface Mounted Plastic Paper Towel Dispenser.....	63.11	17.72
10 28 16 13-0026	EA	Surface Mounted Plastic Napkin Disposal	57.00	17.72
10 28 16 13-0027	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent.....	59.16	
10 28 16 13-0028	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	65.63	17.72
10 28 16 13-0029	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	63.13	17.72
10 28 16 13-0030	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	77.33	21.66
10 28 16 13-0031	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	45.18	15.75
10 28 16 13-0032	EA	13 Gallon Plastic Waste Door For Countertops	141.75	29.53

10 28 16 13-0033 **Residential Medicine Cabinets, Solid Oak** (10 28 16 13-0001)

Note: Surface or recessed mounted, premium quality.				
10 28 16 13-0034	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	659.75	39.38

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, and Laundry Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 16 13-0035	EA		24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	789.73	39.38
10 28 16 13-0036	EA		30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	705.10	39.38
10 28 16 13-0037	EA		30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	851.59	39.38
10 28 16 13-0038	EA		36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	733.70	39.38
10 28 16 13-0039	EA		36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	905.95	39.38
10 28 16 13-0040	EA		48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	772.98	39.38
10 28 16 13-0041	EA		48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	972.37	39.38

10 28 19 Tub and Shower Enclosures (10 28)

10 28 19 16 Shower Doors (10 28 19)

10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)

10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)

10 28 19 16-0003	EA		24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	369.57	40.01
10 28 19 16-0004	EA		27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	388.53	20.00
10 28 19 16-0005	EA		29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	467.22	20.00
10 28 19 16-0006	EA		33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	386.52	20.00
10 28 19 16-0007	EA		35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	413.39	20.00

10 28 19 16-0008 Sliding Shower Doors (10 28 19 16)

10 28 19 16-0009 Framed, Sliding Shower Doors (10 28 19 16-0008)

10 28 19 16-0010	EA		40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	623.35	20.00
10 28 19 16-0011	EA		44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	570.12	20.00
10 28 19 16-0012	EA		46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	584.46	20.00
10 28 19 16-0013	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	599.70	20.00
10 28 19 16-0014	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	608.21	20.00
10 28 19 16-0015	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	620.80	20.00

10 28 19 19 Tub Doors (10 28 19)

10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)

10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)

10 28 19 19-0003	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	554.12	20.00
10 28 19 19-0004	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	560.25	20.00
10 28 19 19-0005	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	574.12	20.00

10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,175.06	25.59
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	57.93	
			<i>For Swing Key Hook Panel, Add</i>	156.93	
			<i>For Non-Locking Weather Housing, Add</i>	393.78	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,246.26	25.59
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	57.93	
			<i>For Swing Key Hook Panel, Add</i>	156.93	
			<i>For Second Swing Key Hook Panel, Add</i>	123.93	
			<i>For Non-Locking Weather Housing, Add</i>	393.78	

10 41 16 Emergency Key Cabinets (10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	584.13	25.59
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16 00-0003 EA 5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	512.94	25.59
For Lift-Off Door, Deduct.....	-40.00	
For Aluminum Or Dark Bronze Finish, Add.....	10.00	
For Tamper Switch Connected To Existing Alarm System, Add.....	40.00	
For Recess Mount, Add.....	54.63	
For Cast-In-Place Concrete Recess Mounting, Add.....	119.00	
10 41 16 00-0004 EA 6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	687.37	25.59
For Aluminum Or Dark Bronze Finish, Add.....	10.00	
For Tamper Switch Connected To Existing Alarm System, Add.....	40.00	
For Recess Mount, Add.....	54.63	
For Dual Locks, Add.....	60.00	
For Cast-In-Place Concrete Recess Mounting, Add.....	130.00	
10 41 16 00-0005 EA 7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	731.87	25.59
For Aluminum Or Dark Bronze Finish, Add.....	10.00	
For Tamper Switch Connected To Existing Alarm System, Add.....	40.00	
For Recess Mount, Add.....	54.63	
For Dual Locks, Add.....	60.00	
For Cast-In-Place Concrete Recess Mounting, Add.....	135.00	

10 44 Fire Protection Specialties (10 40)

10 44 13 Fire Protection Cabinets (10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	289.35	32.29
10 44 13 00-0005 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	295.40	32.29
10 44 13 00-0006 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	296.61	32.29
10 44 13 00-0007 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	334.08	32.29
10 44 13 00-0008 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	431.98	32.29
10 44 13 00-0009 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	445.28	32.29

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	285.14	32.29
10 44 13 00-0012 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	290.36	32.29
10 44 13 00-0013 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	299.06	32.29
10 44 13 00-0014 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	313.85	32.29
10 44 13 00-0015 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	359.63	32.29
10 44 13 00-0016 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	373.55	32.29

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	397.97	32.29
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	408.76	32.29
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	414.16	32.29
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	451.06	32.29
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	525.43	32.29
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	547.93	32.29

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	851.96	32.29
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	858.02	32.29
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	981.50	32.29

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	367.92	32.29
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	413.85	32.29

10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)

10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	321.99	32.29
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	334.08	32.29
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	335.28	32.29
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	376.38	32.29
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	458.57	32.29
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	471.87	32.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0039			Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	323.97	32.29
10 44 13 00-0041	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	337.02	32.29
10 44 13 00-0042	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	344.85	32.29
10 44 13 00-0043	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	359.63	32.29
10 44 13 00-0044	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	410.94	32.29
10 44 13 00-0045	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	423.12	32.29
10 44 13 00-0046			Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	445.35	32.29
10 44 13 00-0048	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	457.94	32.29
10 44 13 00-0049	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	463.34	32.29
10 44 13 00-0050	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	491.24	32.29
10 44 13 00-0051	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	560.53	32.29
10 44 13 00-0052	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	575.82	32.29
10 44 13 00-0053			Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,067.56	32.29
10 44 13 00-0055	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,072.64	32.29
10 44 13 00-0056	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,226.02	32.29
10 44 13 00-0057			Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA		10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	411.43	32.29
10 44 13 00-0059	EA		14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	454.95	32.29
10 44 13 00-0060			Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061			Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	312.32	32.29
10 44 13 00-0063	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	319.57	32.29
10 44 13 00-0064	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	377.59	32.29
10 44 13 00-0065	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	448.90	32.29
10 44 13 00-0066	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	468.24	32.29
10 44 13 00-0067			Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	406.60	32.29
10 44 13 00-0069	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	417.90	32.29
10 44 13 00-0070	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	443.12	32.29
10 44 13 00-0071	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	492.70	32.29
10 44 13 00-0072	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	513.57	32.29
10 44 13 00-0073			Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	523.63	32.29
10 44 13 00-0075	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	540.73	32.29
10 44 13 00-0076	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	583.02	32.29
10 44 13 00-0077	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	664.91	32.29
10 44 13 00-0078	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	690.10	32.29
10 44 13 00-0079			Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,221.24	32.29
10 44 13 00-0081	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,373.45	32.29
10 44 13 00-0082			Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA		13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	384.84	32.29
10 44 13 00-0084	EA		17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	438.02	32.29
10 44 13 00-0085	EA		31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	624.17	32.29
10 44 13 00-0086			Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087	EA		Standard Break Glass Cylinder Lock Mechanism	28.97	9.84

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0088	EA			Breaker Bar And Chain For Break Glass Cabinets.....	25.73	9.84
10 44 13 00-0089	EA			Replacement Of Standard Pull Handle.....	23.75	
10 44 13 00-0090	EA			Fire Extinguisher Cabinet Battery Operated Alarm.....	81.14	19.69
10 44 13 00-0091	EA			Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	159.30	
10 44 13 00-0092	EA			Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	175.23	
10 44 13 00-0093	EA			Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	238.95	
10 44 13 00-0094	EA			Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	326.56	
10 44 13 00-0095	EA			Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	382.32	
10 44 13 00-0096	EA			Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	92.39	
10 44 13 00-0097	EA			Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	95.58	
10 44 13 00-0098	EA			Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	127.44	
10 44 13 00-0099	EA			Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	230.98	
10 44 13 00-0100	EA			Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	234.17	
10 44 13 00-0101	EA			Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	101.43	
10 44 13 00-0102	EA			Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	106.50	
10 44 13 00-0103	EA			Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	143.69	
10 44 13 00-0104	EA			Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	253.58	
10 44 13 00-0105	EA			Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	256.96	

10 44 13 00-0106 Fire Hose Cabinets (10 44 13)
 Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.

10 44 13 00-0107 Recessed Fire Hose Cabinets (10 44 13 00-0106)

10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)
 Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0109	EA			34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	556.79	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0110	EA			34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	568.21	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0111	EA			38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	577.74	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0112	EA			38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	587.26	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0113	EA			30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	598.69	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0114	EA			38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	629.14	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	
10 44 13 00-0115	EA			23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	638.67	108.96
				<i>For Solid Steel Door, Deduct</i>	-8.60	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)
 Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA			34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	616.02	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0118	EA			30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	634.73	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0119	EA			34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	637.16	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0120	EA			38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	644.94	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0121	EA			38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	655.15	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0122	EA			38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	684.07	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	
10 44 13 00-0123	EA			23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	712.99	108.96
				<i>For Solid Aluminum Door, Add</i>	6.50	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)
 Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA			23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	784.44	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0126	EA			34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	872.91	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0127	EA			34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	881.42	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0128	EA			38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	908.64	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0129	EA			38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	917.15	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0130	EA			30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	961.38	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0131	EA			38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,005.61	108.96
				<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)
 Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	587.26 -8.60	108.96
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	598.69 -8.60	108.96
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	608.19 -8.60	108.96
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	619.61 -8.60	108.96
10 44 13 00-0138	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	629.14 -8.60	108.96
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	659.59 -8.60	108.96
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	671.02 -8.60	108.96
10 44 13 00-0141			Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	634.73 6.50	108.96
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	655.15 6.50	108.96
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	658.06 6.50	108.96
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	663.65 6.50	108.96
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	673.86 6.50	108.96
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	702.78 6.50	108.96
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	731.70 6.50	108.96
10 44 13 00-0149			Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	837.18 -7.70	108.96
10 44 13 00-0151	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	934.16 -7.70	108.96
10 44 13 00-0152	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	942.67 -7.70	108.96
10 44 13 00-0153	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	969.89 -7.70	108.96
10 44 13 00-0154	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	978.39 -7.70	108.96
10 44 13 00-0155	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,022.63 -7.70	108.96
10 44 13 00-0156	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,066.86 -7.70	108.96
10 44 13 00-0157			Surface Mount Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0158			Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	598.69 -8.60	108.96
10 44 13 00-0160	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	608.19 -8.60	108.96
10 44 13 00-0161	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	619.61 -8.60	108.96
10 44 13 00-0162	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	629.14 -8.60	108.96
10 44 13 00-0163	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	638.67 -8.60	108.96
10 44 13 00-0164	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	671.02 -8.60	108.96
10 44 13 00-0165	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	680.54 -8.60	108.96
10 44 13 00-0166			Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	684.07 6.50	108.96
10 44 13 00-0168	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	702.78 6.50	108.96
10 44 13 00-0169	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	707.64 6.50	108.96
10 44 13 00-0170	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	712.99 6.50	108.96
10 44 13 00-0171	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	721.50 6.50	108.96

Specialties	10
Safety Specialties	10 40
Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0172	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	752.12 6.50	108.96
10 44 13 00-0173	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	770.83 6.50	108.96

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA		26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	908.64 -7.70	108.96
10 44 13 00-0176	EA		37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,191.06 -7.70	108.96
10 44 13 00-0177	EA		41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,262.51 -7.70	108.96
10 44 13 00-0178	EA		37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,279.52 -7.70	108.96
10 44 13 00-0179	EA		41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,296.54 -7.70	108.96
10 44 13 00-0180	EA		33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,367.99 -7.70	108.96
10 44 13 00-0181	EA		41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,456.46 -7.70	108.96

10 44 16 Fire Extinguishers (10 44)

10 44 16 13 Portable Fire Extinguishers (10 44 16)

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)

10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	167.81 -5.77 -11.53 -26.25	10.23
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	251.16 -9.53 -19.06 -30.30	11.81
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	326.70 -12.40 -24.80 -39.38	14.97
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	401.69 -15.16 -30.33 -49.22	18.90
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	451.24 -17.64 -35.28 -49.22	18.90
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,508.78 -67.56 -135.13	29.92
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	3,014.90 -142.87 -285.74	29.92

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)

10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	96.47 -2.20 -4.40 -26.25	10.23
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	122.95 -3.12 -6.24 -30.30	11.81
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	178.02 -4.96 -9.93 -39.38	14.97
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	254.67 -7.81 -15.62 -49.22	18.90
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,820.33 -83.14 -166.28	29.92
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	2,731.01 -128.68 -257.35	29.92

10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)

10 Specialties

10 40 Safety Specialties

10 44 Fire Protection Specialties

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	188.48 -6.39 -12.79 -30.30	11.81
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	283.02 -9.23 -18.46 -49.22	18.90
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher..... Note: Stainless steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	303.12 -10.23 -20.47 -49.22	18.90
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel. <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	442.03 -17.18 -34.36	18.90
10 44 16 13-0021 Fire Extinguisher Backboards (10 44 16 13)				
10 44 16 13-0022 Fire Extinguisher Backboards (10 44 16 13-0021) Note: Mounted to any wall. Includes anchors.				
10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	109.03	13.51
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size	119.19	
Note: Includes storage and cleaning.				
10 44 16 13-0025 Inspections And Testing (10 44 16 13)				
10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	9.22	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest.....	13.56	
10 44 19 Fire Blankets (10 44)				
10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	396.13	32.29
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.				
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	281.31	32.29
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.				

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13)

Note: Price per frame. Powder coated enamel paint. 24 gauge tops, bottoms, backs and sides. Doors less than 12" are 18 gauge. Doors 12" and wider are 16 gauge. Includes number plate and single point lock with silencers. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	212.47	24.41
<i>For 16 Gauge Bottom, Add</i>			5.80	
<i>For >25 To 50, Deduct</i>			-8.18	
<i>For >50 To 100, Deduct</i>			-17.10	
<i>For >100, Deduct</i>			-26.01	
<i>For 14 Gauge Doors, Add</i>			13.09	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	221.14	24.41
<i>For 16 Gauge Bottom, Add</i>			5.80	
<i>For >25 To 50, Deduct</i>			-8.62	
<i>For >50 To 100, Deduct</i>			-17.96	
<i>For >100, Deduct</i>			-27.31	
<i>For 14 Gauge Doors, Add</i>			13.78	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	233.00	24.41
<i>For 16 Gauge Bottom, Add</i>			5.80	
<i>For >25 To 50, Deduct</i>			-9.21	
<i>For >50 To 100, Deduct</i>			-19.15	
<i>For >100, Deduct</i>			-29.09	
<i>For 14 Gauge Doors, Add</i>			14.73	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	232.04	25.20
<i>For 16 Gauge Bottom, Add</i>			5.80	
<i>For >25 To 50, Deduct</i>			-9.08	
<i>For >50 To 100, Deduct</i>			-18.92	
<i>For >100, Deduct</i>			-28.76	
<i>For 14 Gauge Doors, Add</i>			14.53	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	239.22	25.20
<i>For 16 Gauge Bottom, Add</i>			5.80	
<i>For >25 To 50, Deduct</i>			-9.44	
<i>For >50 To 100, Deduct</i>			-19.64	
<i>For >100, Deduct</i>			-29.84	
<i>For 14 Gauge Doors, Add</i>			15.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0008	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	246.23	25.20
			For 16 Gauge Bottom, Add	5.80	
			For >25 To 50, Deduct	-9.79	
			For >50 To 100, Deduct	-20.34	
			For >100, Deduct	-30.89	
			For 14 Gauge Doors, Add	15.67	
10 51 13 00-0009	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	258.33	25.20
			For 16 Gauge Bottom, Add	6.65	
			For >25 To 50, Deduct	-10.40	
			For >50 To 100, Deduct	-21.55	
			For >100, Deduct	-32.70	
			For 14 Gauge Doors, Add	16.63	
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	270.30	25.20
			For 16 Gauge Bottom, Add	6.65	
			For >25 To 50, Deduct	-11.00	
			For >50 To 100, Deduct	-22.75	
			For >100, Deduct	-34.50	
			For 14 Gauge Doors, Add	17.59	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	282.98	25.20
			For 16 Gauge Bottom, Add	8.10	
			For >25 To 50, Deduct	-11.63	
			For >50 To 100, Deduct	-24.01	
			For >100, Deduct	-36.40	
			For 14 Gauge Doors, Add	18.61	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	294.69	25.20
			For 16 Gauge Bottom, Add	8.10	
			For >25 To 50, Deduct	-12.21	
			For >50 To 100, Deduct	-25.19	
			For >100, Deduct	-38.16	
			For 14 Gauge Doors, Add	19.54	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	401.67	25.20
			For 16 Gauge Bottom, Add	11.50	
			For >25 To 50, Deduct	-17.56	
			For >50 To 100, Deduct	-35.88	
			For >100, Deduct	-54.20	
			For 14 Gauge Doors, Add	28.10	
10 51 13 00-0014			Two Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	252.27	25.20
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-10.09	
			For >50 To 100, Deduct	-20.94	
			For >100, Deduct	-31.79	
			For 14 Gauge Doors, Add	22.21	
10 51 13 00-0016	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	257.73	25.20
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-10.37	
			For >50 To 100, Deduct	-21.49	
			For >100, Deduct	-32.61	
			For 14 Gauge Doors, Add	22.81	
10 51 13 00-0017	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	263.24	25.20
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-10.64	
			For >50 To 100, Deduct	-22.04	
			For >100, Deduct	-33.44	
			For 14 Gauge Doors, Add	23.41	
10 51 13 00-0018	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	263.88	25.99
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-10.60	
			For >50 To 100, Deduct	-21.97	
			For >100, Deduct	-33.34	
			For 14 Gauge Doors, Add	23.31	
10 51 13 00-0019	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	275.82	25.99
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-11.19	
			For >50 To 100, Deduct	-23.16	
			For >100, Deduct	-35.14	
			For 14 Gauge Doors, Add	24.62	
10 51 13 00-0020	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	283.03	25.99
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-11.55	
			For >50 To 100, Deduct	-23.88	
			For >100, Deduct	-36.22	
			For 14 Gauge Doors, Add	25.42	
10 51 13 00-0021	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	293.36	25.99
			For 16 Gauge Bottom, Add Per Frame	13.30	
			For >25 To 50, Deduct	-12.07	
			For >50 To 100, Deduct	-24.92	
			For >100, Deduct	-37.77	
			For 14 Gauge Doors, Add	26.55	
10 51 13 00-0022	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	303.74	25.99
			For 16 Gauge Bottom, Add Per Frame	13.30	
			For >25 To 50, Deduct	-12.59	
			For >50 To 100, Deduct	-25.96	
			For >100, Deduct	-39.32	
			For 14 Gauge Doors, Add	27.69	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0023	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker	350.70	25.99
			<i>For 16 Gauge Bottom, Add Per Frame</i>	16.20	
			<i>For >25 To 50, Deduct</i>	-14.94	
			<i>For >50 To 100, Deduct</i>	-30.65	
			<i>For >100, Deduct</i>	-46.37	
			<i>For 14 Gauge Doors, Add</i>	32.86	
10 51 13 00-0024	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker	359.22	25.99
			<i>For 16 Gauge Bottom, Add Per Frame</i>	16.20	
			<i>For >25 To 50, Deduct</i>	-15.36	
			<i>For >50 To 100, Deduct</i>	-31.50	
			<i>For >100, Deduct</i>	-47.65	
			<i>For 14 Gauge Doors, Add</i>	33.80	
10 51 13 00-0025			Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0026	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker	297.15	26.78
			<i>For 16 Gauge Bottom, Add Per Frame</i>	17.40	
			<i>For >25 To 50, Deduct</i>	-12.18	
			<i>For >50 To 100, Deduct</i>	-25.16	
			<i>For >100, Deduct</i>	-38.15	
			<i>For 14 Gauge Doors, Add</i>	36.54	
10 51 13 00-0027	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker	302.76	26.78
			<i>For 16 Gauge Bottom, Add Per Frame</i>	17.40	
			<i>For >25 To 50, Deduct</i>	-12.46	
			<i>For >50 To 100, Deduct</i>	-25.72	
			<i>For >100, Deduct</i>	-38.99	
			<i>For 14 Gauge Doors, Add</i>	37.38	
10 51 13 00-0028	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker	322.70	26.78
			<i>For 16 Gauge Bottom, Add Per Frame</i>	17.40	
			<i>For >25 To 50, Deduct</i>	-13.46	
			<i>For >50 To 100, Deduct</i>	-27.72	
			<i>For >100, Deduct</i>	-41.98	
			<i>For 14 Gauge Doors, Add</i>	40.37	
10 51 13 00-0029	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker	341.78	26.78
			<i>For 16 Gauge Bottom, Add Per Frame</i>	19.95	
			<i>For >25 To 50, Deduct</i>	-14.41	
			<i>For >50 To 100, Deduct</i>	-29.63	
			<i>For >100, Deduct</i>	-44.84	
			<i>For 14 Gauge Doors, Add</i>	43.23	
10 51 13 00-0030	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker	356.98	26.78
			<i>For 16 Gauge Bottom, Add Per Frame</i>	19.95	
			<i>For >25 To 50, Deduct</i>	-15.17	
			<i>For >50 To 100, Deduct</i>	-31.15	
			<i>For >100, Deduct</i>	-47.12	
			<i>For 14 Gauge Doors, Add</i>	45.51	
10 51 13 00-0031			Four Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0032	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker	291.24	27.56
			<i>For 16 Gauge Bottom, Add Per Frame</i>	23.20	
			<i>For >25 To 50, Deduct</i>	-11.81	
			<i>For >50 To 100, Deduct</i>	-24.44	
			<i>For >100, Deduct</i>	-37.07	
10 51 13 00-0033	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker	301.02	27.56
			<i>For 16 Gauge Bottom, Add Per Frame</i>	23.20	
			<i>For >25 To 50, Deduct</i>	-12.29	
			<i>For >50 To 100, Deduct</i>	-25.42	
			<i>For >100, Deduct</i>	-38.54	
10 51 13 00-0034	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker	316.77	27.56
			<i>For 16 Gauge Bottom, Add Per Frame</i>	23.20	
			<i>For >25 To 50, Deduct</i>	-13.08	
			<i>For >50 To 100, Deduct</i>	-26.99	
			<i>For >100, Deduct</i>	-40.90	
10 51 13 00-0035	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker	329.37	27.56
			<i>For 16 Gauge Bottom, Add Per Frame</i>	26.60	
			<i>For >25 To 50, Deduct</i>	-13.71	
			<i>For >50 To 100, Deduct</i>	-28.25	
			<i>For >100, Deduct</i>	-42.79	
10 51 13 00-0036	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker	347.51	27.56
			<i>For 16 Gauge Bottom, Add Per Frame</i>	26.60	
			<i>For >25 To 50, Deduct</i>	-14.62	
			<i>For >50 To 100, Deduct</i>	-30.06	
			<i>For >100, Deduct</i>	-45.51	
10 51 13 00-0037			Six Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0038	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker	317.43	28.35
			<i>For 16 Gauge Bottom, Add Per Frame</i>	34.80	
			<i>For >25 To 50, Deduct</i>	-13.04	
			<i>For >50 To 100, Deduct</i>	-26.92	
			<i>For >100, Deduct</i>	-40.81	
10 51 13 00-0039	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker	324.97	28.35
			<i>For 16 Gauge Bottom, Add Per Frame</i>	34.80	
			<i>For >25 To 50, Deduct</i>	-13.41	
			<i>For >50 To 100, Deduct</i>	-27.68	
			<i>For >100, Deduct</i>	-41.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0040	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker..... For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	339.23 34.80 -14.13 -29.10 -44.08	28.35
10 51 13 00-0041			Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51 13 00-0042	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	598.93	18.90
10 51 13 00-0043	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination	954.46	39.38
10 51 13 00-0044			All-Welded Steel Lockers (10 51 13)		
10 51 13 00-0045			All-Welded Steel Lockers (10 51 13 00-0044) Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046			Single Tier, All-Welded Steel Lockers (10 51 13 00-0045) Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA		12" x 12" x 48" Single Tier, All-Welded Steel Locker	134.33 -5.73 -11.76 -17.79	13.79
10 51 13 00-0048	EA		12" x 15" x 48" Single Tier, All-Welded Steel Locker	141.09 -6.07 -12.44 -18.80	13.79
10 51 13 00-0049	EA		12" x 18" x 48" Single Tier, All-Welded Steel Locker	147.61 -6.40 -13.09 -19.78	13.79
10 51 13 00-0050	EA		12" x 12" x 60" Single Tier, All-Welded Steel Locker	139.91 -6.01 -12.32 -18.62	13.79
10 51 13 00-0051	EA		12" x 15" x 60" Single Tier, All-Welded Steel Locker	146.43 -6.34 -12.97 -19.60	13.79
10 51 13 00-0052	EA		12" x 18" x 60" Single Tier, All-Welded Steel Locker	152.94 -6.66 -13.62 -20.58	13.79
10 51 13 00-0053	EA		12" x 12" x 72" Single Tier, All-Welded Steel Locker	147.91 -6.31 -12.95 -19.59	15.16
10 51 13 00-0054	EA		12" x 15" x 72" Single Tier, All-Welded Steel Locker	153.94 -6.61 -13.55 -20.49	15.16
10 51 13 00-0055	EA		12" x 18" x 72" Single Tier, All-Welded Steel Locker	160.45 -6.94 -14.20 -21.47	15.16
10 51 13 00-0056	EA		15" x 15" x 72" Single Tier, All-Welded Steel Locker	166.55 -7.24 -14.81 -22.38	15.16
10 51 13 00-0057	EA		15" x 18" x 72" Single Tier, All-Welded Steel Locker	171.56 -7.50 -15.31 -23.13	15.16
10 51 13 00-0058	EA		18" x 18" x 72" Single Tier, All-Welded Steel Locker	178.49 -7.84 -16.01 -24.17	15.16
10 51 13 00-0059	EA		18" x 21" x 72" Single Tier, All-Welded Steel Locker	186.28 -8.23 -16.79 -25.34	15.16
10 51 13 00-0060	EA		24" x 24" x 72" Single Tier, All-Welded Steel Locker	303.59 -14.10 -28.52 -42.94	15.16
10 51 13 00-0061			Two Tier, All-Welded Steel Lockers (10 51 13 00-0045) Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062	EA		12" x 12" x 60" Two Tier, All-Welded Steel Locker	161.03 -7.07 -14.43 -21.79	13.79
10 51 13 00-0063	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker	164.02 -7.22 -14.73 -22.24	13.79

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker.....	172.05	13.79
			<i>For >25 To 50, Deduct</i>	-7.62	
			<i>For >50 To 100, Deduct</i>	-15.53	
			<i>For >100, Deduct</i>	-23.44	
10 51	13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker.....	167.99	15.16
			<i>For >25 To 50, Deduct</i>	-7.32	
			<i>For >50 To 100, Deduct</i>	-14.96	
			<i>For >100, Deduct</i>	-22.60	
10 51	13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker.....	179.05	15.16
			<i>For >25 To 50, Deduct</i>	-7.87	
			<i>For >50 To 100, Deduct</i>	-16.06	
			<i>For >100, Deduct</i>	-24.26	
10 51	13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker.....	185.08	15.16
			<i>For >25 To 50, Deduct</i>	-8.17	
			<i>For >50 To 100, Deduct</i>	-16.67	
			<i>For >100, Deduct</i>	-25.16	
10 51	13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker.....	193.67	15.16
			<i>For >25 To 50, Deduct</i>	-8.60	
			<i>For >50 To 100, Deduct</i>	-17.53	
			<i>For >100, Deduct</i>	-26.45	
10 51	13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker.....	197.72	15.16
			<i>For >25 To 50, Deduct</i>	-8.80	
			<i>For >50 To 100, Deduct</i>	-17.93	
			<i>For >100, Deduct</i>	-27.06	
10 51	13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	209.38	15.16
			<i>For >25 To 50, Deduct</i>	-9.39	
			<i>For >50 To 100, Deduct</i>	-19.10	
			<i>For >100, Deduct</i>	-28.81	
10 51	13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	218.41	15.16
			<i>For >25 To 50, Deduct</i>	-9.84	
			<i>For >50 To 100, Deduct</i>	-20.00	
			<i>For >100, Deduct</i>	-30.16	
10 51	13 00-0072		Three Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	199.15	15.16
			<i>For >25 To 50, Deduct</i>	-8.87	
			<i>For >50 To 100, Deduct</i>	-18.07	
			<i>For >100, Deduct</i>	-27.27	
10 51	13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	203.68	15.16
			<i>For >25 To 50, Deduct</i>	-9.10	
			<i>For >50 To 100, Deduct</i>	-18.53	
			<i>For >100, Deduct</i>	-27.95	
10 51	13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	208.18	15.16
			<i>For >25 To 50, Deduct</i>	-9.33	
			<i>For >50 To 100, Deduct</i>	-18.98	
			<i>For >100, Deduct</i>	-28.63	
10 51	13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker.....	218.84	15.16
			<i>For >25 To 50, Deduct</i>	-9.86	
			<i>For >50 To 100, Deduct</i>	-20.04	
			<i>For >100, Deduct</i>	-30.23	
10 51	13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	220.81	15.16
			<i>For >25 To 50, Deduct</i>	-9.96	
			<i>For >50 To 100, Deduct</i>	-20.24	
			<i>For >100, Deduct</i>	-30.52	
10 51	13 00-0078		Four Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51	13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	188.40	15.16
			<i>For >25 To 50, Deduct</i>	-8.34	
			<i>For >50 To 100, Deduct</i>	-17.00	
			<i>For >100, Deduct</i>	-25.66	
10 51	13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	192.68	15.16
			<i>For >25 To 50, Deduct</i>	-8.55	
			<i>For >50 To 100, Deduct</i>	-17.43	
			<i>For >100, Deduct</i>	-26.30	
10 51	13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	196.93	15.16
			<i>For >25 To 50, Deduct</i>	-8.76	
			<i>For >50 To 100, Deduct</i>	-17.85	
			<i>For >100, Deduct</i>	-26.94	
10 51	13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	206.96	15.16
			<i>For >25 To 50, Deduct</i>	-9.27	
			<i>For >50 To 100, Deduct</i>	-18.85	
			<i>For >100, Deduct</i>	-28.44	
10 51	13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker.....	208.78	15.16
			<i>For >25 To 50, Deduct</i>	-9.36	
			<i>For >50 To 100, Deduct</i>	-19.04	
			<i>For >100, Deduct</i>	-28.72	
10 51	13 00-0084		Six Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51	13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker.....	195.06	15.16
			<i>For >25 To 50, Deduct</i>	-8.67	
			<i>For >50 To 100, Deduct</i>	-17.66	
			<i>For >100, Deduct</i>	-26.66	
10 51	13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker.....	201.30	15.16
			<i>For >25 To 50, Deduct</i>	-8.98	
			<i>For >50 To 100, Deduct</i>	-18.29	
			<i>For >100, Deduct</i>	-27.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker	205.90	15.16
			<i>For >25 To 50, Deduct</i>	-9.21	
			<i>For >50 To 100, Deduct</i>	-18.75	
			<i>For >100, Deduct</i>	-28.29	
10 51 13 00-0088			All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers	88.24	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers	142.44	3.15
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers	165.14	3.15
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers.....	100.42	3.15
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers	35.34	3.15
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers.....	27.31	3.15
10 51 13 00-0095			Athletic Lockers <small>(10 51 13)</small>		
			Note: Price per frame. Powder coated enamel paint. 16 gauge tops, bottoms, and sides. 18 gauge backs. 14 gauge vented doors. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096			Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 72" Single Tier Athletic Locker	335.49	25.20
			<i>For >25 To 50, Deduct</i>	-14.25	
			<i>For >50 To 100, Deduct</i>	-29.27	
			<i>For >100, Deduct</i>	-44.28	
10 51 13 00-0098	EA		12" x 18" x 72" Single Tier Athletic Locker	356.21	25.20
			<i>For >25 To 50, Deduct</i>	-15.29	
			<i>For >50 To 100, Deduct</i>	-31.34	
			<i>For >100, Deduct</i>	-47.38	
10 51 13 00-0099	EA		15" x 15" x 72" Single Tier Athletic Locker	363.49	25.20
			<i>For >25 To 50, Deduct</i>	-15.65	
			<i>For >50 To 100, Deduct</i>	-32.07	
			<i>For >100, Deduct</i>	-48.48	
10 51 13 00-0100	EA		15" x 18" x 72" Single Tier Athletic Locker	376.79	25.20
			<i>For >25 To 50, Deduct</i>	-16.32	
			<i>For >50 To 100, Deduct</i>	-33.40	
			<i>For >100, Deduct</i>	-50.47	
10 51 13 00-0101	EA		18" x 18" x 72" Single Tier Athletic Locker	409.58	25.20
			<i>For >25 To 50, Deduct</i>	-17.96	
			<i>For >50 To 100, Deduct</i>	-36.67	
			<i>For >100, Deduct</i>	-55.39	
10 51 13 00-0102	EA		18" x 21" x 72" Single Tier Athletic Locker	443.95	25.20
			<i>For >25 To 50, Deduct</i>	-19.68	
			<i>For >50 To 100, Deduct</i>	-40.11	
			<i>For >100, Deduct</i>	-60.54	
10 51 13 00-0103			Two Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0104	EA		12" x 12" x 72" Two Tier Athletic Locker	375.97	25.99
			<i>For >25 To 50, Deduct</i>	-16.20	
			<i>For >50 To 100, Deduct</i>	-33.18	
			<i>For >100, Deduct</i>	-50.16	
10 51 13 00-0105	EA		12" x 15" x 72" Two Tier Athletic Locker	388.51	25.99
			<i>For >25 To 50, Deduct</i>	-16.83	
			<i>For >50 To 100, Deduct</i>	-34.43	
			<i>For >100, Deduct</i>	-52.04	
10 51 13 00-0106	EA		12" x 18" x 72" Two Tier Athletic Locker	405.60	25.99
			<i>For >25 To 50, Deduct</i>	-17.68	
			<i>For >50 To 100, Deduct</i>	-36.14	
			<i>For >100, Deduct</i>	-54.60	
10 51 13 00-0107	EA		15" x 15" x 72" Two Tier Athletic Locker	408.19	25.99
			<i>For >25 To 50, Deduct</i>	-17.81	
			<i>For >50 To 100, Deduct</i>	-36.40	
			<i>For >100, Deduct</i>	-54.99	
10 51 13 00-0108	EA		15" x 18" x 72" Two Tier Athletic Locker	422.24	25.99
			<i>For >25 To 50, Deduct</i>	-18.51	
			<i>For >50 To 100, Deduct</i>	-37.81	
			<i>For >100, Deduct</i>	-57.10	
10 51 13 00-0109	EA		18" x 18" x 72" Two Tier Athletic Locker	439.50	25.99
			<i>For >25 To 50, Deduct</i>	-19.38	
			<i>For >50 To 100, Deduct</i>	-39.53	
			<i>For >100, Deduct</i>	-59.69	
10 51 13 00-0110	EA		18" x 21" x 72" Two Tier Athletic Locker	478.22	25.99
			<i>For >25 To 50, Deduct</i>	-21.31	
			<i>For >50 To 100, Deduct</i>	-43.40	
			<i>For >100, Deduct</i>	-65.50	
10 51 13 00-0111			Three Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0112	EA		12" x 12" x 72" Three Tier Athletic Locker	416.37	26.78
			<i>For >25 To 50, Deduct</i>	-18.14	
			<i>For >50 To 100, Deduct</i>	-37.09	
			<i>For >100, Deduct</i>	-56.03	
10 51 13 00-0113	EA		12" x 15" x 72" Three Tier Athletic Locker	434.29	26.78
			<i>For >25 To 50, Deduct</i>	-19.04	
			<i>For >50 To 100, Deduct</i>	-38.88	
			<i>For >100, Deduct</i>	-58.72	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0114	EA		12" x 18" x 72" Three Tier Athletic Locker.....	459.02	26.78
			For >25 To 50, Deduct	-20.27	
			For >50 To 100, Deduct	-41.35	
			For >100, Deduct	-62.43	
10 51 13 00-0115	EA		15" x 15" x 72" Three Tier Athletic Locker.....	471.67	26.78
			For >25 To 50, Deduct	-20.91	
			For >50 To 100, Deduct	-42.62	
			For >100, Deduct	-64.32	
10 51 13 00-0116	EA		15" x 18" x 72" Three Tier Athletic Locker.....	490.66	26.78
			For >25 To 50, Deduct	-21.86	
			For >50 To 100, Deduct	-44.51	
			For >100, Deduct	-67.17	
10 51 13 00-0117 Four Tier Athletic Locker (10 51 13 00-0095)					
10 51 13 00-0118	EA		12" x 12" x 72" Four Tier Athletic Locker.....	386.23	27.56
			For >25 To 50, Deduct	-16.56	
			For >50 To 100, Deduct	-33.94	
			For >100, Deduct	-51.32	
10 51 13 00-0119	EA		12" x 15" x 72" Four Tier Athletic Locker.....	410.88	27.56
			For >25 To 50, Deduct	-17.79	
			For >50 To 100, Deduct	-36.40	
			For >100, Deduct	-55.02	
10 51 13 00-0120	EA		12" x 18" x 72" Four Tier Athletic Locker.....	435.53	27.56
			For >25 To 50, Deduct	-19.02	
			For >50 To 100, Deduct	-38.87	
			For >100, Deduct	-58.71	
10 51 13 00-0121	EA		15" x 15" x 72" Four Tier Athletic Locker.....	448.15	27.56
			For >25 To 50, Deduct	-19.65	
			For >50 To 100, Deduct	-40.13	
			For >100, Deduct	-60.61	
10 51 13 00-0122	EA		15" x 18" x 72" Four Tier Athletic Locker.....	457.62	27.56
			For >25 To 50, Deduct	-20.12	
			For >50 To 100, Deduct	-41.08	
			For >100, Deduct	-62.03	
10 51 13 00-0123 Six Tier Athletic Locker (10 51 13 00-0095)					
10 51 13 00-0124	EA		12" x 12" x 72" Six Tier Athletic Locker.....	429.26	28.35
			For >25 To 50, Deduct	-18.63	
			For >50 To 100, Deduct	-38.11	
			For >100, Deduct	-57.59	
10 51 13 00-0125	EA		12" x 15" x 72" Six Tier Athletic Locker.....	448.19	28.35
			For >25 To 50, Deduct	-19.57	
			For >50 To 100, Deduct	-40.00	
			For >100, Deduct	-60.42	
10 51 13 00-0126	EA		12" x 18" x 72" Six Tier Athletic Locker.....	467.09	28.35
			For >25 To 50, Deduct	-20.52	
			For >50 To 100, Deduct	-41.89	
			For >100, Deduct	-63.26	
10 51 13 00-0127	EA		12" x 21" x 72" Six Tier Athletic Locker.....	536.08	28.35
			For >25 To 50, Deduct	-23.97	
			For >50 To 100, Deduct	-48.79	
			For >100, Deduct	-73.61	
10 51 13 00-0128 Accessories (10 51 13)					
10 51 13 00-0129 Locker Slope Tops (10 51 13 00-0128)					
10 51 13 00-0130 16 Gauge Continuous Sloping Hood (10 51 13 00-0129)					
10 51 13 00-0131	LF		12" Deep, 16 Gauge Continuous Slope Top.....	26.49	3.15
10 51 13 00-0132	LF		15" Deep, 16 Gauge Continuous Slope Top.....	22.18	3.15
10 51 13 00-0133	LF		18" Deep, 16 Gauge Continuous Slope Top.....	30.90	3.15
10 51 13 00-0134	LF		21" Deep, 16 Gauge Continuous Slope Top.....	34.26	3.15
10 51 13 00-0135	LF		24" Deep, 16 Gauge Continuous Slope Top.....	35.83	3.15
10 51 13 00-0136 16 Gauge Slope Top Corner Fillers (10 51 13 00-0129)					
10 51 13 00-0137	EA		12" Deep, 16 Gauge Slope Top Corner Fillers.....	113.06	3.15
10 51 13 00-0138	EA		15" Deep, 16 Gauge Slope Top Corner Fillers.....	115.51	3.15
10 51 13 00-0139	EA		18" Deep, 16 Gauge Slope Top Corner Fillers.....	117.94	3.15
10 51 13 00-0140	EA		21" Deep, 16 Gauge Slope Top Corner Fillers.....	120.89	3.15
10 51 13 00-0141	EA		24" Deep, 16 Gauge Slope Top Corner Fillers.....	123.81	3.15
10 51 13 00-0142 20 Gauge Individual Slope Top (10 51 13 00-0129)					
10 51 13 00-0143	EA		12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	22.60	3.15
10 51 13 00-0144	EA		12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	22.45	3.15
10 51 13 00-0145	EA		12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	25.10	3.15
10 51 13 00-0146	EA		15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	25.10	3.15
10 51 13 00-0147	EA		15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	25.73	3.15
10 51 13 00-0148	EA		15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	28.24	3.15
10 51 13 00-0149	EA		18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	28.24	3.15
10 51 13 00-0150	EA		18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	31.54	3.15
10 51 13 00-0151	EA		18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	35.47	3.15

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 13 00-0152		Continuous Slope Top End Closures <small>(10 51 13 00-0129)</small>		
10 51 13 00-0153	PR	12" Deep, Continuous Slope Top End Closures	24.17	3.15
10 51 13 00-0154	PR	15" Deep, Continuous Slope Top End Closures	20.38	3.15
10 51 13 00-0155	PR	18" Deep, Continuous Slope Top End Closures	27.29	3.15
10 51 13 00-0156	PR	21" Deep, Continuous Slope Top End Closures	28.87	3.15
10 51 13 00-0157	PR	24" Deep, Continuous Slope Top End Closures	29.94	3.15
10 51 13 00-0158		Individual Slope Top End Closures <small>(10 51 13 00-0129)</small>		
10 51 13 00-0159	EA	12" Deep, Individual Slope Top End Closures	15.23	3.15
10 51 13 00-0160	EA	15" Deep, Individual Slope Top End Closures	15.72	3.15
10 51 13 00-0161	EA	18" Deep, Individual Slope Top End Closures	16.81	3.15
10 51 13 00-0162	EA	21" Deep, Individual Slope Top End Closures	17.57	3.15
10 51 13 00-0163	EA	24" Deep, Individual Slope Top End Closures	25.30	3.15
10 51 13 00-0164		Locker Base <small>(10 51 13 00-0128)</small>		
10 51 13 00-0165		Closed Front Base <small>(10 51 13 00-0164)</small>		
10 51 13 00-0166	EA	12" Wide, 6" High Closed Front Base	16.07	3.15
10 51 13 00-0167	EA	15" Wide, 6" High Closed Front Base	16.89	3.15
10 51 13 00-0168	EA	18" Wide, 6" High Closed Front Base	18.60	3.15
10 51 13 00-0169	EA	24" Wide, 6" High Closed Front Base	19.42	3.15
10 51 13 00-0170		Closed End Base <small>(10 51 13 00-0164)</small>		
10 51 13 00-0171	EA	12" Deep, 6" High Closed End Base	18.34	3.15
10 51 13 00-0172	EA	15" Deep, 6" High Closed End Base	18.49	3.15
10 51 13 00-0173	EA	18" Deep, 6" High Closed End Base	19.59	3.15
10 51 13 00-0174	EA	21" Deep, 6" High Closed End Base	20.68	3.15
10 51 13 00-0175	EA	24" Deep, 6" High Closed End Base	22.16	3.15
10 51 13 00-0176		Recessed Continuous Front "Z" Base <small>(10 51 13 00-0164)</small>		
10 51 13 00-0177	LF	4" High Recessed Continuous Front "Z" Base	19.59	2.36
10 51 13 00-0178		"Z" Base Ends Or Splice <small>(10 51 13 00-0164)</small>		
10 51 13 00-0179	EA	12" Wide, 4" High Z-Base Ends Or Splice	19.23	3.15
10 51 13 00-0180	EA	15" Wide, 4" High Z-Base Ends Or Splice	22.45	3.15
10 51 13 00-0181	EA	18" Wide, 4" High Z-Base Ends Or Splice	25.73	3.15
10 51 13 00-0182	EA	21" Wide, 4" High Z-Base Ends Or Splice	29.19	3.15
10 51 13 00-0183	EA	24" Wide, 4" High Z-Base Ends Or Splice	32.63	3.15
10 51 13 00-0184		Locker Front Fillers And End Panels <small>(10 51 13 00-0128)</small>		
10 51 13 00-0185		Locker Front Fillers <small>(10 51 13 00-0184)</small>		
10 51 13 00-0186	EA	6" Wide x 60" High, 16 Gauge Front Filler	31.86	3.94
10 51 13 00-0187	EA	12" Wide x 60" High, 16 Gauge Front Filler	49.98	3.94
10 51 13 00-0188	EA	6" Wide x 66" High, 16 Gauge Front Filler	34.81	3.94
10 51 13 00-0189	EA	12" Wide x 66" High, 16 Gauge Front Filler	39.30	3.94
10 51 13 00-0190	EA	6" Wide x 72" High, 16 Gauge Front Filler	38.24	3.94
10 51 13 00-0191	EA	12" Wide x 72" High, 16 Gauge Front Filler	54.87	3.94
10 51 13 00-0192	EA	6" Wide x 78" High, 16 Gauge Front Filler	39.19	3.94
10 51 13 00-0193	EA	12" Wide x 78" High, 16 Gauge Front Filler	45.91	3.94
10 51 13 00-0194		Locker End Panels <small>(10 51 13 00-0184)</small>		
10 51 13 00-0195	EA	12" Deep x 60" High, 16 Gauge End Panel	50.49	3.15
10 51 13 00-0196	EA	15" Deep x 60" High, 16 Gauge End Panel	57.44	3.15
10 51 13 00-0197	EA	18" Deep x 60" High, 16 Gauge End Panel	68.36	3.15
10 51 13 00-0198	EA	12" Deep x 72" High, 16 Gauge End Panel	59.73	3.15
10 51 13 00-0199	EA	15" Deep x 72" High, 16 Gauge End Panel	68.17	3.15
10 51 13 00-0200	EA	18" Deep x 72" High, 16 Gauge End Panel	79.41	3.15
10 51 13 00-0201	EA	21" Deep x 72" High, 16 Gauge End Panel	91.61	3.15
10 51 13 00-0202		Locker Recessed Trim <small>(10 51 13 00-0128)</small>		
10 51 13 00-0203	LF	3" Height, Top Trim For Recessed Lockers	8.40	1.57
10 51 13 00-0204	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	23.66	3.15
10 51 13 00-0205	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	36.68	3.15
10 51 13 00-0206	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	38.06	3.15
10 51 13 00-0207	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	39.43	3.15
10 51 13 00-0208	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	40.63	3.15
10 51 13 00-0209		Locker Interior Accessories <small>(10 51 13 00-0128)</small>		
10 51 13 00-0210		Locker Coat Rods <small>(10 51 13 00-0209)</small>		
10 51 13 00-0211	EA	12" Wide Coat Rod	12.21	3.15
10 51 13 00-0212	EA	15" Wide Coat Rod	13.49	3.15
10 51 13 00-0213	EA	18" Wide Coat Rod	14.62	3.15
10 51 13 00-0214	EA	24" Wide Coat Rod	15.63	3.15

10 Specialties
10 50 Storage Specialties
10 51 Lockers

MINOR		CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
10 51 13 00-0215		Locker ADA Compliant Shelf <small>(10 51 13 00-0209)</small>		
10 51 13 00-0216	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	30.25	3.94
10 51 13 00-0217		Other Interior Locker Accessories <small>(10 51 13 00-0209)</small>		
10 51 13 00-0218	EA	3" x 10" Bent Plate Shoe Rack.....	40.74	3.15
10 51 13 00-0219	EA	8" x 10" Mirror.....	32.13	3.15
10 51 13 00-0220	EA	Additional Hook.....	8.45	3.15
10 51 13 00-0221		Locker Locks <small>(10 51 13 00-0128)</small>		
10 51 13 00-0222	EA	Built In Combination Lock.....	35.34	3.15
10 51 26		Plastic Lockers <small>(10 51)</small>		
10 51 26 00-0001		Solid Plastic Lockers <small>(10 51 26)</small> Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002		Single Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small> Note: Includes one double hook per tier.		
10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	417.06 -36.82 -56.70	24.41
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	424.44 -37.56 -57.81	24.41
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	431.83 -38.30 -58.91	24.41
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	442.91 -39.41 -60.58	24.41
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	431.19 -38.24 -58.82	24.41
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	434.30 -38.55 -59.29	24.41
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	428.84 -38.00 -58.47	24.41
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	459.34 -41.05 -63.04	24.41
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	452.30 -40.35 -61.99	24.41
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	460.51 -41.17 -63.22	24.41
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	468.72 -41.99 -64.45	24.41
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	487.49 -43.87 -67.26	24.41
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	513.29 -46.45 -71.13	24.41
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	489.83 -44.10 -67.61	24.41
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	532.05 -48.32 -73.95	24.41
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	455.57 -40.67 -62.48	24.41
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	479.63 -43.08 -66.08	24.41
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	503.71 -45.49 -69.70	24.41
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	486.08 -43.73 -67.05	24.41
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	511.58 -46.28 -70.88	24.41
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... For >50 To 100, Deduct For >100, Deduct	537.10 -48.83 -74.71	24.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	516.58	24.41
			For >50 To 100, Deduct	-46.78	
			For >100, Deduct	-71.63	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	543.54	24.41
			For >50 To 100, Deduct	-49.47	
			For >100, Deduct	-75.67	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	521.05	25.20
			For >50 To 100, Deduct	-47.07	
			For >100, Deduct	-72.11	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	548.03	25.20
			For >50 To 100, Deduct	-49.76	
			For >100, Deduct	-76.16	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	574.97	25.20
			For >50 To 100, Deduct	-52.46	
			For >100, Deduct	-80.20	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	556.06	25.20
			For >50 To 100, Deduct	-50.57	
			For >100, Deduct	-77.36	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	584.51	25.20
			For >50 To 100, Deduct	-53.41	
			For >100, Deduct	-81.63	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	612.93	25.20
			For >50 To 100, Deduct	-56.25	
			For >100, Deduct	-85.89	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	583.97	25.20
			For >50 To 100, Deduct	-53.36	
			For >100, Deduct	-81.55	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	620.96	25.20
			For >50 To 100, Deduct	-57.06	
			For >100, Deduct	-87.10	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	650.84	25.20
			For >50 To 100, Deduct	-60.04	
			For >100, Deduct	-91.58	
10 51 26 00-0035			Double Tier Solid Plastic Lockers (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	467.95	25.20
			For >50 To 100, Deduct	-41.76	
			For >100, Deduct	-64.14	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	474.98	25.20
			For >50 To 100, Deduct	-42.46	
			For >100, Deduct	-65.20	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	485.53	25.20
			For >50 To 100, Deduct	-43.51	
			For >100, Deduct	-66.78	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	482.02	25.20
			For >50 To 100, Deduct	-43.16	
			For >100, Deduct	-66.26	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	500.79	25.20
			For >50 To 100, Deduct	-45.04	
			For >100, Deduct	-69.07	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	545.35	25.20
			For >50 To 100, Deduct	-49.50	
			For >100, Deduct	-75.75	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	486.72	25.20
			For >50 To 100, Deduct	-43.63	
			For >100, Deduct	-66.96	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	509.42	25.20
			For >50 To 100, Deduct	-45.90	
			For >100, Deduct	-70.37	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	550.05	25.20
			For >50 To 100, Deduct	-49.97	
			For >100, Deduct	-76.46	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	484.09	25.20
			For >50 To 100, Deduct	-43.37	
			For >100, Deduct	-66.57	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	520.83	25.20
			For >50 To 100, Deduct	-47.04	
			For >100, Deduct	-72.08	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	531.33	25.20
			For >50 To 100, Deduct	-48.09	
			For >100, Deduct	-73.65	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	526.97	25.20
			For >50 To 100, Deduct	-47.66	
			For >100, Deduct	-73.00	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	551.32	25.20
			For >50 To 100, Deduct	-50.09	
			For >100, Deduct	-76.65	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	556.08	25.20
			For >50 To 100, Deduct	-50.57	
			For >100, Deduct	-77.36	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	581.82	25.20
			For >50 To 100, Deduct	-53.14	
			For >100, Deduct	-81.23	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	607.56	25.20
			For >50 To 100, Deduct	-55.72	
			For >100, Deduct	-85.09	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	560.43	25.99
			<i>For >50 To 100, Deduct</i>	-50.85	
			<i>For >100, Deduct</i>	-77.83	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	586.17	25.99
			<i>For >50 To 100, Deduct</i>	-53.42	
			<i>For >100, Deduct</i>	-81.69	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	599.59	25.99
			<i>For >50 To 100, Deduct</i>	-54.76	
			<i>For >100, Deduct</i>	-83.70	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	593.85	25.99
			<i>For >50 To 100, Deduct</i>	-54.19	
			<i>For >100, Deduct</i>	-82.84	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	621.00	25.99
			<i>For >50 To 100, Deduct</i>	-56.90	
			<i>For >100, Deduct</i>	-86.91	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	648.14	25.99
			<i>For >50 To 100, Deduct</i>	-59.62	
			<i>For >100, Deduct</i>	-90.98	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	598.71	25.99
			<i>For >50 To 100, Deduct</i>	-54.67	
			<i>For >100, Deduct</i>	-83.57	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	655.80	25.99
			<i>For >50 To 100, Deduct</i>	-60.38	
			<i>For >100, Deduct</i>	-92.13	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	684.32	25.99
			<i>For >50 To 100, Deduct</i>	-63.23	
			<i>For >100, Deduct</i>	-96.41	
10 51 26 00-0062	Triple Tier Solid Plastic Lockers (10 51 26 00-0001)				
	Note: Includes one double hook per tier.				
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	460.73	25.99
			<i>For >50 To 100, Deduct</i>	-40.88	
			<i>For >100, Deduct</i>	-62.87	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	480.04	25.99
			<i>For >50 To 100, Deduct</i>	-42.81	
			<i>For >100, Deduct</i>	-65.77	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	497.75	25.99
			<i>For >50 To 100, Deduct</i>	-44.58	
			<i>For >100, Deduct</i>	-68.42	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	501.19	25.99
			<i>For >50 To 100, Deduct</i>	-44.92	
			<i>For >100, Deduct</i>	-68.94	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	542.46	25.99
			<i>For >50 To 100, Deduct</i>	-49.05	
			<i>For >100, Deduct</i>	-75.13	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	542.65	25.99
			<i>For >50 To 100, Deduct</i>	-49.07	
			<i>For >100, Deduct</i>	-75.16	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	565.17	25.99
			<i>For >50 To 100, Deduct</i>	-51.32	
			<i>For >100, Deduct</i>	-78.54	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	587.79	25.99
			<i>For >50 To 100, Deduct</i>	-53.58	
			<i>For >100, Deduct</i>	-81.93	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	610.39	25.99
			<i>For >50 To 100, Deduct</i>	-55.84	
			<i>For >100, Deduct</i>	-85.32	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	592.22	25.99
			<i>For >50 To 100, Deduct</i>	-54.02	
			<i>For >100, Deduct</i>	-82.60	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	616.12	25.99
			<i>For >50 To 100, Deduct</i>	-56.41	
			<i>For >100, Deduct</i>	-86.18	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	640.01	25.99
			<i>For >50 To 100, Deduct</i>	-58.80	
			<i>For >100, Deduct</i>	-89.76	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	596.35	26.78
			<i>For >50 To 100, Deduct</i>	-54.28	
			<i>For >100, Deduct</i>	-83.03	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	620.27	26.78
			<i>For >50 To 100, Deduct</i>	-56.67	
			<i>For >100, Deduct</i>	-86.61	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	637.05	26.78
			<i>For >50 To 100, Deduct</i>	-58.35	
			<i>For >100, Deduct</i>	-89.13	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	627.38	26.78
			<i>For >50 To 100, Deduct</i>	-57.38	
			<i>For >100, Deduct</i>	-87.68	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	634.96	26.78
			<i>For >50 To 100, Deduct</i>	-58.14	
			<i>For >100, Deduct</i>	-88.82	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	662.28	26.78
			<i>For >50 To 100, Deduct</i>	-60.87	
			<i>For >100, Deduct</i>	-92.92	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	616.53	26.78
			<i>For >50 To 100, Deduct</i>	-56.30	
			<i>For >100, Deduct</i>	-86.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	672.07	26.78
			<i>For >50 To 100, Deduct</i>	-61.85	
			<i>For >100, Deduct</i>	-94.38	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	711.39	26.78
			<i>For >50 To 100, Deduct</i>	-65.78	
			<i>For >100, Deduct</i>	-100.28	
10 51 26 00-0084			Four Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	535.60	26.78
			<i>For >50 To 100, Deduct</i>	-48.21	
			<i>For >100, Deduct</i>	-73.91	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	551.28	26.78
			<i>For >50 To 100, Deduct</i>	-49.77	
			<i>For >100, Deduct</i>	-76.27	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	580.18	26.78
			<i>For >50 To 100, Deduct</i>	-52.66	
			<i>For >100, Deduct</i>	-80.60	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	576.65	26.78
			<i>For >50 To 100, Deduct</i>	-52.31	
			<i>For >100, Deduct</i>	-80.07	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	614.09	26.78
			<i>For >50 To 100, Deduct</i>	-56.05	
			<i>For >100, Deduct</i>	-85.69	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	625.91	26.78
			<i>For >50 To 100, Deduct</i>	-57.24	
			<i>For >100, Deduct</i>	-87.46	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	620.04	26.78
			<i>For >50 To 100, Deduct</i>	-56.65	
			<i>For >100, Deduct</i>	-86.58	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	639.98	26.78
			<i>For >50 To 100, Deduct</i>	-58.64	
			<i>For >100, Deduct</i>	-89.57	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	697.46	26.78
			<i>For >50 To 100, Deduct</i>	-64.39	
			<i>For >100, Deduct</i>	-98.19	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	616.88	27.56
			<i>For >50 To 100, Deduct</i>	-56.18	
			<i>For >100, Deduct</i>	-85.92	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	644.67	27.56
			<i>For >50 To 100, Deduct</i>	-58.95	
			<i>For >100, Deduct</i>	-90.08	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	648.29	27.56
			<i>For >50 To 100, Deduct</i>	-59.32	
			<i>For >100, Deduct</i>	-90.63	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	683.32	27.56
			<i>For >50 To 100, Deduct</i>	-62.82	
			<i>For >100, Deduct</i>	-95.88	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	650.91	27.56
			<i>For >50 To 100, Deduct</i>	-59.58	
			<i>For >100, Deduct</i>	-91.02	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	680.27	27.56
			<i>For >50 To 100, Deduct</i>	-62.51	
			<i>For >100, Deduct</i>	-95.42	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	649.79	27.56
			<i>For >50 To 100, Deduct</i>	-59.47	
			<i>For >100, Deduct</i>	-90.85	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	684.97	27.56
			<i>For >50 To 100, Deduct</i>	-62.98	
			<i>For >100, Deduct</i>	-96.13	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	737.69	27.56
			<i>For >50 To 100, Deduct</i>	-68.26	
			<i>For >100, Deduct</i>	-104.04	
10 51 26 00-0103			Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	582.65	27.17
			<i>For >50 To 100, Deduct</i>	-52.83	
			<i>For >100, Deduct</i>	-80.88	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	602.06	27.17
			<i>For >50 To 100, Deduct</i>	-54.77	
			<i>For >100, Deduct</i>	-83.79	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	621.47	27.17
			<i>For >50 To 100, Deduct</i>	-56.71	
			<i>For >100, Deduct</i>	-86.70	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	609.11	27.17
			<i>For >50 To 100, Deduct</i>	-55.48	
			<i>For >100, Deduct</i>	-84.85	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	643.88	27.17
			<i>For >50 To 100, Deduct</i>	-58.95	
			<i>For >100, Deduct</i>	-90.06	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	660.71	27.17
			<i>For >50 To 100, Deduct</i>	-60.64	
			<i>For >100, Deduct</i>	-92.59	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	654.85	27.17
			<i>For >50 To 100, Deduct</i>	-60.05	
			<i>For >100, Deduct</i>	-91.71	

10 Specialties

10 50 Storage Specialties

10 51 Lockers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	673.62	27.17
			For >50 To 100, Deduct	-61.93	
			For >100, Deduct	-94.52	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	734.61	27.17
			For >50 To 100, Deduct	-68.03	
			For >100, Deduct	-103.67	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	635.77	27.96
			For >50 To 100, Deduct	-57.99	
			For >100, Deduct	-88.66	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	657.54	27.96
			For >50 To 100, Deduct	-60.16	
			For >100, Deduct	-91.92	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	679.29	27.96
			For >50 To 100, Deduct	-62.34	
			For >100, Deduct	-95.18	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	671.68	27.96
			For >50 To 100, Deduct	-61.58	
			For >100, Deduct	-94.04	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	686.98	27.96
			For >50 To 100, Deduct	-63.11	
			For >100, Deduct	-96.34	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	709.91	27.96
			For >50 To 100, Deduct	-65.40	
			For >100, Deduct	-99.78	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	692.29	27.96
			For >50 To 100, Deduct	-63.64	
			For >100, Deduct	-97.13	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	718.58	27.96
			For >50 To 100, Deduct	-66.27	
			For >100, Deduct	-101.08	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	749.08	27.96
			For >50 To 100, Deduct	-69.32	
			For >100, Deduct	-105.65	
10 51 26 00-0122			Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	672.15	27.56
			For >50 To 100, Deduct	-61.70	
			For >100, Deduct	-94.21	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	659.53	28.35
			For >50 To 100, Deduct	-60.28	
			For >100, Deduct	-92.13	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	681.27	28.35
			For >50 To 100, Deduct	-62.46	
			For >100, Deduct	-95.39	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	695.77	28.35
			For >50 To 100, Deduct	-63.91	
			For >100, Deduct	-97.56	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	724.75	28.35
			For >50 To 100, Deduct	-66.81	
			For >100, Deduct	-101.91	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	733.22	28.35
			For >50 To 100, Deduct	-67.65	
			For >100, Deduct	-103.18	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	739.26	28.35
			For >50 To 100, Deduct	-68.26	
			For >100, Deduct	-104.09	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	741.66	28.35
			For >50 To 100, Deduct	-68.50	
			For >100, Deduct	-104.45	
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	768.24	28.35
			For >50 To 100, Deduct	-71.15	
			For >100, Deduct	-108.43	
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	803.28	28.35
			For >50 To 100, Deduct	-74.66	
			For >100, Deduct	-113.69	
10 51 26 00-0133			Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134			Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	31.40	
10 51 26 00-0136			Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	34.53	
10 51 26 00-0138			End Panels For Solid Plastic Lockers (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	80.02	
10 51 26 00-0140			Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)		
			Note: Price per frame.		
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors.....	31.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)
 10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....82.43
 Note: Full locker height. Width and height cut to size in the field.

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)
 10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers 7.84
 Note: For removable padlocks. Excludes padlock.
 10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers23.53
 10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....31.37

10 51 53 Locker Room Benches (10 51)
 10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals.....91.75 3.94
 10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals 72.74 3.94
 10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals 112.40 3.94
 10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals 107.31 3.94
 10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals82.83 3.94

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 19 Flood Barriers (10 71)

10 71 19 16 Removable Flood Barriers (10 71 19)

10 71 19 16-0001 Removable Flood Barriers (10 71 19 16)
 Note: Excludes saw cutting, excavation and concrete foundation. See CSI section 02 41 19 13-0001 for saw cutting, 03 10 00 00-0000 for concrete forms and accessories, 03 31 13 00-0010 for concrete foundations, 31 23 16 36-0000 for excavation.

10 71 19 16-0002 Flood Planks (10 71 19 16-0001)
 10 71 19 16-0003 SF Aluminum Flood Planks291.33
 Note: Excludes stamped drawings, any associated masonry work, removal, relocation and storage of flood planks.

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	2,510.17	689.15
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	20.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	2,689.89	751.79
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	3,354.00	877.09
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	10.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	3,884.82	1,002.39
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	6,871.94	1,127.70
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	1,700.00	
		For Bronze Finish, Add	200.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	8,139.03	1,252.99
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	1,900.00	
		For Bronze Finish, Add	160.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	13,658.60	1,378.29
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	2,860.00	
		For Bronze Finish, Add	700.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole	17,566.02	1,503.59
		Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.		
		For Internal Halyard, Winch System, Add	2,900.00	
		For Bronze Finish, Add	900.00	
		For Rope Lock Box, Add	96.00	

10 Specialties
10 70 Exterior Specialties
10 75 Flagpoles

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 75 16 00-0010			Free Standing Tapered Aluminum Flagpoles <small>(10 75 16)</small>		
			Note: Heavy duty.		
10 75 16 00-0011	EA		20' Exposed Height, Tapered Satin Aluminum Flagpole.....	2,411.51	626.50
			Note: 5" butt diameter, 3" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	150.00	
			For Bronze Anodized Finish, Add	180.00	
			For Black Anodized Finish, Add	230.00	
			For Internal Halyard, Winch System, Add	570.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0012	EA		25' Exposed Height, Tapered Satin Aluminum Flagpole.....	2,863.38	689.15
			Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	200.00	
			For Bronze Anodized Finish, Add	230.00	
			For Internal Halyard, Winch System, Add	1,100.00	
			For Black Anodized Finish, Add	320.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0013	EA		30' Exposed Height, Tapered Satin Aluminum Flagpole.....	3,176.62	751.79
			Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	240.00	
			For Bronze Anodized Finish, Add	290.00	
			For Internal Halyard, Winch System, Add	1,390.00	
			For Black Anodized Finish, Add	400.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0014	EA		35' Exposed Height, Tapered Satin Aluminum Flagpole.....	4,024.91	877.09
			Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	290.00	
			For Bronze Anodized Finish, Add	360.00	
			For Internal Halyard, Winch System, Add	1,340.00	
			For Black Anodized Finish, Add	480.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole.....	4,965.62	1,002.39
			Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	390.00	
			For Bronze Anodized Finish, Add	480.00	
			For Internal Halyard, Winch System, Add	1,490.00	
			For Black Anodized Finish, Add	660.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole.....	5,491.43	1,065.04
			Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	400.00	
			For Bronze Anodized Finish, Add	500.00	
			For Internal Halyard, Winch System, Add	1,340.00	
			For Black Anodized Finish, Add	700.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole.....	6,876.77	1,127.70
			Note: 10" butt diameter, 4" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	700.00	
			For Bronze Anodized Finish, Add	860.00	
			For Internal Halyard, Winch System, Add	1,380.00	
			For Black Anodized Finish, Add	1,130.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole.....	11,708.46	1,252.99
			Note: 12" butt diameter, 4" top diameter and 0.250" wall.		
			For Clear Anodized Finish, Add	620.00	
			For Bronze Anodized Finish, Add	820.00	
			For Internal Halyard, Winch System, Add	1,800.00	
			For Black Anodized Finish, Add	1,160.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole.....	12,815.54	1,378.29
			Note: 12" butt diameter, 4" top diameter and 0.250" wall.		
			For Clear Anodized Finish, Add	710.00	
			For Bronze Anodized Finish, Add	950.00	
			For Internal Halyard, Winch System, Add	1,720.00	
			For Black Anodized Finish, Add	1,360.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0020	EA		80' Exposed Height, Tapered Satin Aluminum Flagpole.....	16,002.10	1,503.59
			Note: 12" butt diameter, 4" top diameter and 0.375" wall.		
			For Clear Anodized Finish, Add	1,100.00	
			For Bronze Anodized Finish, Add	1,380.00	
			For Internal Halyard, Winch System, Add	2,600.00	
			For Black Anodized Finish, Add	1,840.00	
			For Rope Lock Box, Add	96.00	

10 75 16 00-0021 **Flagpole Bases** (10 75 16)

10 75 16 00-0022 **Flagpole Concrete Base** (10 75 16 00-0021)

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation.....	1,178.36	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	1,219.90	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	1,401.47	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	1,483.21	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	1,777.94	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	2,152.53	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	2,552.14	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	2,974.33	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	3,476.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 75 16 00-0032	Direct Embedded Flagpole Base <small>(10 75 16 00-002 1)</small>				
	Note: Augured in place, no concrete required.				
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	529.37	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	759.84	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	848.31	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	955.41	

10 75 16 00-0037	Flagpole Accessories <small>(10 75 16)</small>				
10 75 16 00-0038	Flagpole Tops <small>(10 75 16 00-0037)</small>				
	Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.				
10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	92.86	33.49
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	101.42	35.47
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	113.68	37.44
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	149.04	39.40
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	197.34	41.37
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	220.70	43.34
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	201.29	43.34
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	234.36	49.25

10 75 16 00-0047	Flagpole Accessories <small>(10 75 16 00-0037)</small>				
	Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.				
10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.97	0.06
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.48	0.06
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.37	0.06
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.30	0.06
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	274.18	98.44
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles.....	232.78	59.06
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	19.61	3.94
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.63	0.08

10 75 23 Wall-Mounted Flagpoles (10 75)

10 75 23 00-0001	Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small>				
	Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.				
10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	1,625.93	549.55
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	1,763.56	604.51
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	1,910.44	659.46
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....	2,213.44	769.39
			<i>For Rope Lock Box, Add</i>	96.00	

10 75 23 00-0006	Outrigger, Wall Mounted Tapered Aluminum Flagpoles <small>(10 75 23)</small>				
	Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.				
10 75 23 00-0007	EA		10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	2,135.24	494.60
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0008	EA		15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	2,300.61	549.55
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0009	EA		20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket.....	2,557.39	659.46
			<i>For Rope Lock Box, Add</i>	96.00	

10 80 Other Specialties (10)

10 81 Pest Control Devices (10 80)

10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001	Stainless Steel Spiked Bird Barrier <small>(10 81 13)</small>				
	Note: Stainless steel spikes with flexible polycarbonate base.				
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	7.19	0.63
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	8.69	0.63
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	12.84	0.63

10 81 13 00-0005	Polycarbonate Spiked Bird Barrier <small>(10 81 13)</small>				
	Note: Polycarbonate spikes and base.				
10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	6.62	0.63
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	8.03	0.63
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System.....	9.57	0.63

10 81 13 00-0009	Spiked Gutter Or Girder Bird Barrier <small>(10 81 13)</small>				
	Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.				
10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application.....	7.68	0.63

10 Specialties**10 80 Other Specialties****10 81 Pest Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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10 81 13 00-0011		Coil Bird Barrier <small>(10 81 13)</small> Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	5.32	0.63
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	6.33	0.63
10 81 13 00-0014		Spider Bird Barrier <small>(10 81 13)</small> Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	91.17	0.63
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	135.25	0.63
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	171.11	0.63
10 81 13 00-0018		Oriented Flexible Flame Resistant Netting <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.71	0.28
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.70	0.28
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.68	0.28
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.66	0.28
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	0.66	0.28
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.65	0.28
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.64	0.28
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.64	0.28
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.63	0.28
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.67	0.28
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.65	0.28
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.39	
10 81 13 00-0031		Netting Accessories <small>(10 81 13)</small>		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	6.29	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	9.48	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	11.15	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	15.85	
10 81 13 00-0036		Electric Track Bird Barrier <small>(10 81 13)</small> Note: Flexible PVC base with stainless steel wires.		
10 81 13 00-0037	LF	Flexible Polyvinyl Chloride (PVC) Base, Ridged and Staggered, Electric Track Bird Deterrent System With Stainless Steel Wires	4.89	0.63
10 81 13 00-0038	LF	Flexible Polyvinyl Chloride (PVC) Base, Electric Track Bird Deterrent System With Stainless Steel Wires	6.65	0.63
10 86		Security Mirrors And Domes <small>(10 80)</small>		
10 86 00 00-0001		Dome Mirrors <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002		Steel Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	214.72	15.76
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	252.92	16.55
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	292.72	18.13
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	391.45	19.70
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	153.63	11.82
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	177.51	12.61
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	207.59	13.79
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	289.60	14.98
10 86 00 00-0011		Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	166.08	18.13
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	235.34	19.70
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	311.74	22.85
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	376.95	27.58
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	550.33	39.40
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	101.34	13.79
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	137.15	14.98
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	181.07	17.34
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	223.37	20.88
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	355.40	29.55
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	65.06	11.82
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	83.83	13.01
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	110.55	14.58
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	137.90	17.34
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	229.26	24.63

Specialties	10
Other Specialties	10 80
Security Mirrors And Domes	10 86

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 86 00 00-0027	Coated Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0028	EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	198.74	18.13
10 86 00 00-0029	EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	308.62	19.70
10 86 00 00-0030	EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	523.50	27.58
10 86 00 00-0031	EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	806.80	39.40
10 86 00 00-0032	EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	128.74	13.79
10 86 00 00-0033	EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	192.43	14.98
10 86 00 00-0034	EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	304.61	20.88
10 86 00 00-0035	EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	505.14	29.55
10 86 00 00-0036	EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	93.25	11.82
10 86 00 00-0037	EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	131.30	13.01
10 86 00 00-0038	EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	170.45	14.58
10 86 00 00-0039	EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	219.46	17.34
10 86 00 00-0040	EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	343.95	24.63

10 86 00 00-0041	Circular Convex Security Mirrors <small>(10 86)</small>		
	Note: Includes all mounting hardware.		

10 86 00 00-0042	Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small>		
	Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043	EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	69.82	12.61
10 86 00 00-0044	EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	91.14	13.79
10 86 00 00-0045	EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	138.90	14.98
10 86 00 00-0046	EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	173.74	17.34
10 86 00 00-0047	EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	231.34	20.88
10 86 00 00-0048	EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	409.56	29.55
10 86 00 00-0049	EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	118.06	13.79
10 86 00 00-0050	EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	170.76	14.98
10 86 00 00-0051	EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	244.08	20.88
10 86 00 00-0052	EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	447.79	29.55

10 86 00 00-0053	Coated Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small>		
	Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054	EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	142.91	13.79
10 86 00 00-0055	EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	225.88	14.98
10 86 00 00-0056	EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	303.89	17.34
10 86 00 00-0057	EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	379.49	20.88
10 86 00 00-0058	EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	551.34	29.55
10 86 00 00-0059	EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	172.07	13.79
10 86 00 00-0060	EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	267.30	14.98
10 86 00 00-0061	EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	372.39	17.34
10 86 00 00-0062	EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	420.90	20.88
10 86 00 00-0063	EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	667.63	29.55

END OF SECTION 10

10 Specialties

10 80 Other Specialties

10 86 Security Mirrors And Domes

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 10 Vehicle and Pedestrian Equipment ⁽¹¹⁾

11 13 Loading Dock Equipment ^(11 10)

11 13 13 Loading Dock Bumpers ^(11 13)

11 13 13 00-0001 Laminated Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers ^(11 13 13 00-0001)

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	121.18	15.75
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.70	15.75
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	204.39	15.75
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	135.89	15.75
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	148.09	15.75
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	169.89	15.75
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	204.39	15.75
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	282.29	15.75
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.37	15.75
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	169.89	15.75
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	211.32	15.75
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	240.70	15.75
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	336.10	15.75
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	194.15	15.75
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	228.32	15.75
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	301.11	15.75

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers ^(11 13 13 00-0001)

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	175.91	15.75
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	187.96	15.75
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	217.01	15.75
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	261.25	15.75
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	359.12	15.75
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	202.65	15.75
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	212.56	15.75
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	251.84	15.75
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	310.43	15.75
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	474.50	15.75
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	261.41	15.75
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	300.70	15.75
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	305.93	15.75

11 13 13 00-0033 Extruded Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	58.87	15.75
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	63.72	15.75
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	70.19	15.75
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	76.66	15.75

11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	84.24	15.75
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	104.64	15.75
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	110.52	15.75
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	123.90	15.75

11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	105.18	15.75
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	132.67	15.75
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	155.32	15.75
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	198.53	15.75

11 13 13 00-0049 Molded Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers ^(11 13 13 00-0049)

11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	88.52	15.75
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	76.02	15.75
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	104.53	15.75
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	133.28	15.75
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	140.07	15.75
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	101.26	15.75
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	134.42	15.75
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	202.69	15.75
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	111.18	15.75
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	171.82	15.75
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	171.23	15.75
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	265.59	15.75

11 Equipment
11 10 Vehicle and Pedestrian Equipment
11 13 Loading Dock Equipment

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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers <small>(11 13 13 00-0049)</small>		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	161.89	15.75
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	149.70	15.75

11 13 16 Loading Dock Seals and Shelters (11 13)

11 13 16 13 Loading Dock Seals (11 13 16)

11 13 16 13-0001		Vinyl Loading Dock Seals <small>(11 13 16 13)</small>		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	82.35	15.75
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	83.59	15.75
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	84.83	15.75
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	87.30	15.75
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	89.78	15.75
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	92.29	15.75
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	94.80	15.75
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	97.38	15.75
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	99.96	15.75
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	102.43	15.75
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	104.91	15.75
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	109.93	15.75

11 13 16 13-0015 **8" Exposure Wear Pleats, Vinyl Loading Dock Seals** (11 13 16 13-0001)

11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	97.07	15.75
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	98.31	15.75
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	99.54	15.75
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.05	15.75
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.56	15.75
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.04	15.75
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.52	15.75
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	112.03	15.75
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	114.54	15.75
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.01	15.75
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.56	15.75
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.51	15.75

11 13 16 13-0028 **4" Exposure Wear Pleats, Vinyl Loading Dock Seals** (11 13 16 13-0001)

11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.91	15.75
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.18	15.75
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.45	15.75
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.93	15.75
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	112.40	15.75
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	114.92	15.75
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.43	15.75
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.90	15.75
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.38	15.75
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.89	15.75
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.40	15.75
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.49	15.75

11 13 16 13-0041 **Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13)

11 13 16 13-0042 **Standard, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	75.80	15.75
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	77.74	15.75
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	82.05	15.75
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	86.29	15.75
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	90.65	15.75
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	94.90	15.75
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	99.20	15.75

11 13 16 13-0050 **8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	89.71	15.75
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	91.71	15.75
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	96.02	15.75
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	100.32	15.75
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	104.56	15.75
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	108.87	15.75
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	113.11	15.75

11 13 16 13-0058 **4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	97.26	15.75
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	99.20	15.75
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	103.56	15.75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	107.81	15.75
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	112.11	15.75
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	116.35	15.75
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	120.72	15.75

11 13 16 23 Loading Dock Shelters (11 13 16)

11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)				
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	131.97	19.69

11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)

11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	95.69	18.90
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	100.26	18.90
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	104.08	19.69
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	107.23	19.69

11 13 19 Stationary Loading Dock Equipment (11 13)

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers (11 13 19)

11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)				
Note: Excludes control panel, remote operator, and electrical wiring.				

11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,249.94	682.94
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler.....	6,684.03	758.81
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler.....	8,184.14	910.58
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler.....	6,650.30	758.81
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,225.22	834.70
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler.....	8,663.43	986.46

11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,378.34	682.94
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler.....	6,816.72	758.81
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler.....	8,308.47	910.58
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler.....	6,775.75	758.81
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler.....	7,341.24	834.70
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler.....	8,907.23	986.46

11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler.....	6,678.92	796.76
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,104.42	910.58
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler.....	8,654.58	1,062.34
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,104.42	910.58
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler.....	7,647.78	1,024.40
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler.....	9,197.95	1,100.29

11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler.....	6,912.41	834.70
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler.....	7,339.02	948.53
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler.....	8,259.76	1,100.29
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler.....	7,339.02	948.53
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler.....	7,969.27	1,062.34
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler.....	9,552.83	1,138.23

11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler.....	7,317.42	834.70
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler.....	7,743.49	948.53
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler.....	9,317.01	1,100.29
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler.....	7,743.49	948.53
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler.....	8,374.42	1,062.34
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler.....	9,957.74	1,138.23

11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler.....	7,657.55	872.64
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,090.60	986.46
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler.....	9,655.96	1,138.23
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler.....	8,091.75	986.46
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler.....	8,717.45	1,100.29
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler.....	10,290.39	1,176.17

11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)

11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)				
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler.....	4,931.93	682.94

11 Equipment
11 10 Vehicle and Pedestrian Equipment
11 13 Loading Dock Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler.....	5,374.35	758.81
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler.....	6,866.13	910.58
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler.....	5,333.48	758.81
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler.....	5,907.21	834.70
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler.....	7,479.84	910.58
11 13 19 13-0052			40,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler.....	6,115.98	758.81
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler.....	6,542.05	834.70
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler.....	7,094.95	986.46
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler.....	6,542.05	834.70
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler.....	7,445.39	910.58
11 13 19 13-0058	EA		7' x 10', 40,000 LB Manual Dock Leveler.....	8,756.30	1,062.34
11 13 19 13-0059			Edge Of Dock Levelers (11 13 19 13)		
			Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060			Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)		
			Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA		66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,166.33	227.65
11 13 19 13-0062	EA		72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,495.14	227.65
11 13 19 13-0063	EA		66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,447.55	227.65
11 13 19 13-0064	EA		72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	4,898.94	227.65
11 13 19 13-0065	EA		66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	3,397.75	227.65
11 13 19 13-0066	EA		72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	3,586.95	227.65
11 13 19 13-0067			Manual Edge Of Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0068	EA		66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,071.78	227.65
11 13 19 13-0069	EA		72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,269.86	227.65
11 13 19 13-0070	EA		66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,330.44	227.65
11 13 19 13-0071	EA		72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,478.99	227.65
11 13 19 13-0072	EA		66" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	1,884.15	227.65
11 13 19 13-0073	EA		72" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	2,133.85	227.65
11 13 19 13-0074	EA		78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	2,317.55	227.65
11 13 19 13-0075	EA		72" Usable Width, 30,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	2,343.95	227.65
11 13 19 13-0076	EA		66" Usable Width, 20,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	2,093.15	227.65
11 13 19 13-0077	EA		78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	2,855.45	227.65
11 13 19 13-0078	EA		72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	2,691.55	227.65
11 13 19 23			Stationary Loading Dock Lifts (11 13 19)		
11 13 19 23-0001			Top Of Ground, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0002	EA		6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	17,282.39	158.93
11 13 19 23-0003			Pit Mounted, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0004	EA		6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	11,734.83	158.93
11 13 19 23-0005	EA		6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	21,260.86	238.40
11 13 19 23-0006	EA		7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	37,301.67	476.79
11 13 19 23-0007	EA		8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	39,013.76	635.72
11 13 19 26			Loading Dock Truck Lifts (11 13 19)		
11 13 19 26-0001			Hydraulic Truck Lifts (11 13 19 26)		
11 13 19 26-0002	EA		10' x 15', 60,000 LB Platform Truck Lift.....	34,026.95	1,385.76
11 13 19 26-0003	EA		10' x 20', 60,000 LB Platform Truck Lift.....	38,872.67	1,662.91
11 13 19 33			Loading Dock Truck Restraints (11 13 19)		
11 13 19 33-0001			Truck Restraint System (11 13 19 33)		
11 13 19 33-0002	EA		Truck Restraint System (Poweramp Powerstop AAL).....	7,923.96	284.55
			Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003	EA		Rotating Hook Truck Restraint System (Kelley Star 4).....	6,942.16	284.55
			Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 26			Loading Dock Lights (11 13)		
11 13 26 00-0001			Communication Lights (11 13 26)		
11 13 26 00-0002	EA		Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	268.70	62.03
			Note: Excludes control console.		
11 13 26 00-0003	EA		Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.....	336.78	62.03
11 13 26 00-0004	EA		Dock Guide Light For Truck Backing.....	144.95	49.62
11 13 26 00-0005			Communication Lights Controls (11 13 26)		
11 13 26 00-0006	EA		Dock Communication Lights Control Console For Up To Two Docks.....	282.10	82.71

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 26 00-0007	Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008	Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009	EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	390.34	82.71
11 13 26 00-0010	EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	338.81	82.71
11 13 26 00-0011	EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent.....	468.80	82.71
11 13 26 00-0012	Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide.....	568.45	82.71
11 13 26 00-0014	EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	629.52	82.71
11 13 26 00-0015	EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	678.36	82.71
11 13 26 00-0016	Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	331.94	82.71
11 13 26 00-0018	EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	370.58	82.71
11 13 26 00-0019	EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	403.56	82.71

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001	Ranges With Ovens <small>(11 30 13 13)</small>		
	Note: Free standing or slide in.		
11 30 13 13-0002	Electric Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0003	EA 20" Electric Range With Oven.....	690.99	71.30
	<i>For Stainless Steel, Add</i>	137.10	
11 30 13 13-0004	EA 24" Electric Range With Oven.....	722.42	71.30
	<i>For Stainless Steel, Add</i>	144.95	
11 30 13 13-0005	EA 30" Electric Range With Oven.....	698.25	71.30
	<i>For Stainless Steel, Add</i>	156.74	
11 30 13 13-0006	EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW).....	697.02	71.30
11 30 13 13-0007	Gas Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0008	EA 20" Gas Range With Oven.....	769.56	71.30
	<i>For Stainless Steel, Add</i>	156.74	
11 30 13 13-0009	EA 24" Gas Range With Oven.....	810.41	71.30
	<i>For Stainless Steel, Add</i>	166.95	
11 30 13 13-0010	EA 30" Gas Range With Oven.....	848.12	71.30
	<i>For Stainless Steel, Add</i>	176.38	
11 30 13 13-0011	Range Hoods <small>(11 30 13 13)</small>		
11 30 13 13-0012	Venting Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013	EA 21" Venting Range Hood (Broan 40000).....	230.60	53.48
	<i>For Stainless Steel, Add</i>	18.55	
11 30 13 13-0014	EA 24" Venting Range Hood (Broan 40000).....	212.23	53.48
	<i>For Stainless Steel, Add</i>	15.79	
11 30 13 13-0015	EA 30" Venting Range Hood (Broan 40000).....	209.01	53.48
	<i>For Stainless Steel, Add</i>	15.31	
11 30 13 13-0016	EA 36" Venting Range Hood (Broan 40000).....	212.23	53.48
	<i>For Stainless Steel, Add</i>	15.79	
11 30 13 13-0017	Non-Ducted Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018	EA 21" Non Ducted Range Hood (Broan 41000).....	232.97	53.48
	<i>For Stainless Steel, Add</i>	18.90	
11 30 13 13-0019	EA 24" Non Ducted Range Hood (Broan 41000).....	214.66	53.48
	<i>For Stainless Steel, Add</i>	16.16	
11 30 13 13-0020	EA 30" Non Ducted Range Hood (Broan 41000).....	211.43	53.48
	<i>For Stainless Steel, Add</i>	15.67	
11 30 13 13-0021	EA 36" Non Ducted Range Hood (Broan 41000).....	214.66	53.48
	<i>For Stainless Steel, Add</i>	16.16	
11 30 13 13-0022	Microwaves <small>(11 30 13 13)</small>		
11 30 13 13-0023	Countertop Microwaves <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024	EA 1.1 CF Countertop Microwave Oven.....	146.68	8.91
	<i>For Stainless Steel, Add</i>	19.33	
11 30 13 13-0025	EA 1.2 CF Countertop Microwave Oven.....	174.94	8.91
	<i>For Stainless Steel, Add</i>	23.57	
11 30 13 13-0026	EA 1.3 CF Countertop Microwave Oven.....	179.66	8.91
	<i>For Stainless Steel, Add</i>	24.27	
11 30 13 13-0027	EA 1.4 CF Countertop Microwave Oven.....	220.53	8.91
	<i>For Stainless Steel, Add</i>	30.41	

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0028	EA		1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	236.24 32.76	8.91
11 30 13 13-0029	EA		1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	251.95 35.12	8.91
11 30 13 13-0030	EA		1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	267.67 37.48	8.91
11 30 13 13-0031	EA		1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	283.38 39.83	8.91
11 30 13 13-0032	EA		2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	300.65 42.42	8.91
11 30 13 13-0033			Over-The-Range Microwaves (11 30 13 13-0022)		
11 30 13 13-0034	EA		1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	508.54 60.24	71.29
11 30 13 13-0035	EA		1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	576.75 70.47	71.29
11 30 13 13-0036	EA		1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	598.73 73.77	71.29
11 30 13 13-0037	EA		1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	763.72 98.52	71.29
11 30 13 13-0038	EA		2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	608.17 75.19	71.29
11 30 13 13-0039	EA		1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	355.23	53.47
11 30 13 13-0040			Trash Compactors (11 30 13 13)		
11 30 13 13-0041	EA		15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	1,162.38 183.56	71.30
11 30 13 13-0042			Refrigerators (11 30 13 13)		
11 30 13 13-0043			Top Freezer Refrigerators (11 30 13 13-0042)		
11 30 13 13-0044	EA		Up To 10 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	574.10 75.42	35.65
11 30 13 13-0045	EA		>10 To 12 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	698.25 94.04	35.65
11 30 13 13-0046	EA		>12 To 14 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	778.37 106.06	35.65
11 30 13 13-0047	EA		>14 To 16 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	825.51 113.13	35.65
11 30 13 13-0048	EA		>16 To 18 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	951.21 131.99	35.65
11 30 13 13-0049	EA		>18 To 20 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,059.65 148.25	35.65
11 30 13 13-0050	EA		>20 To 22 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	1,139.77 160.27	35.65
11 30 13 13-0051	EA		14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	923.93	35.65
11 30 13 13-0052			Side-By-Side Refrigerators (11 30 13 13-0042)		
11 30 13 13-0053	EA		Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,171.02 164.96	35.65
11 30 13 13-0054	EA		>22 To 24 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,454.03 207.41	35.65
11 30 13 13-0055	EA		>24 To 26 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,642.58 235.69	35.65
11 30 13 13-0056			Other Refrigerators (11 30 13 13-0042)		
11 30 13 13-0057	EA		1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	189.79 23.12	17.83
11 30 13 13-0058	EA		4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	260.50 33.73	17.83
11 30 13 13-0059			Freezers (11 30 13 13)		
11 30 13 13-0060			Upright Freezers (11 30 13 13-0059)		
11 30 13 13-0061	EA		Up To 10 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	541.12 70.47	35.65
11 30 13 13-0062	EA		>10 To 12 CF Upright Freezer <i>For Stainless Steel, Add</i>	698.25 94.04	35.65
11 30 13 13-0063	EA		>12 To 14 CF Upright Freezer <i>For Stainless Steel, Add</i>	745.39 101.11	35.65
11 30 13 13-0064	EA		>14 To 16 CF Upright Freezer <i>For Stainless Steel, Add</i>	855.38 117.61	35.65
11 30 13 13-0065	EA		>16 To 18 CF Upright Freezer <i>For Stainless Steel, Add</i>	982.64 136.70	35.65
11 30 13 13-0066	EA		>18 To 20 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,045.51 146.13	35.65
11 30 13 13-0067	EA		>20 To 22 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,092.63 153.20	35.65
11 30 13 13-0068			Chest Freezers (11 30 13 13-0059)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0069 EA Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	432.68 54.21	35.65
11 30 13 13-0070 EA >8 To 10 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	542.67 70.71	35.65
11 30 13 13-0071 EA >10 To 12 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	581.97 76.60	35.65
11 30 13 13-0072 EA >12 To 14 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	652.67 87.21	35.65
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	698.25 94.04	35.65
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	855.38 117.61	35.65
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	1,059.65 148.25	35.65
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	1,092.63 153.20	35.65
11 30 13 13-0077 Automatic Ice Makers (11 30 13 13)		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker	2,025.03	71.30
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker	2,260.72	71.30
11 30 13 13-0080 Built-In Dishwashers (11 30 13 13)		
11 30 13 13-0081 EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	975.38 124.92	71.30
11 30 13 13-0082 EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	645.41 75.42	71.30
11 30 13 13-0083 Disposals (11 30 13 13)		
11 30 13 13-0084 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V)	215.37	53.48
11 30 13 13-0085 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V)	246.80	53.48
11 30 13 13-0086 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V)	325.36	53.48
11 30 13 13-0087 EA 1 HP Insulated Garbage Disposal (GE GFC1020V)	403.93	53.48
11 30 13 13-0088 Automatic Water Softener (11 30 13 13)		
11 30 13 13-0089 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	987.05	147.44
11 30 13 13-0090 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,180.07	147.44
11 30 13 13-0091 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0092 EA Removal And Reinstallation Of Garbage Disposal	106.95	
11 30 13 13-0093 EA Removal And Reinstallation Of Stove/Range	213.91	
11 30 13 13-0094 EA Removal And Reinstallation Of Dishwasher	228.17	
11 30 13 13-0095 EA Removal And Reinstallation Of Range Hood	106.95	
11 30 13 13-0096 EA Removal And Reinstallation Of Washer And Dryer.....	178.26	
11 30 13 13-0097 Appliance Repair (11 30 13 13)		
Note: Includes removal.		
11 30 13 13-0098 EA 8" Burner Replacement.....	23.62	
11 30 13 13-0099 EA 4" Burner Element Replacement.....	42.51	
11 30 13 13-0100 EA 8" Burner Element Replacement.....	48.81	
11 30 13 13-0101 EA Burner Manifold Replacement	159.44	
11 30 13 13-0102 EA Burner Switch Replacement	66.99	
11 30 13 13-0103 EA Burner Tube, 5/8" x 4" Replacement	30.12	
11 30 13 13-0104 EA Oven Control Replacement.....	81.41	
11 30 13 13-0105 EA Oven Door Gasket Replacement	31.22	
11 30 13 13-0106 EA Oven Element Replacement	76.74	
11 30 13 13-0107 EA Oven Igniter Replacement	55.48	
11 30 13 13-0108 EA Oven Knobs Replacement	42.68	
11 30 13 13-0109 Accessories (11 30 13 13)		
11 30 13 13-0110 SF Colored Metal Range Splash Plate.....	14.81	2.85
11 30 13 13-0111 SF Stainless Steel Range Splash Plate	22.13	2.85
11 30 13 23 Residential Laundry Appliances (11 30 13)		
11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)		
11 30 13 23-0002 Washing Machines (11 30 13 23-0001)		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	751.17	71.30
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine	1,206.84	71.30
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine	1,599.67	71.30
11 30 13 23-0006 Dryers (11 30 13 23-0001)		
11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer.....	576.77	71.30

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	735.45	71.30	
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	908.30	71.30	
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,034.00	71.30	
11 30 13 23-0012		Gas Dryers <small>(11 30 13 23-0006)</small>			
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	688.32	71.30	
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer.....	845.45	71.30	
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer.....	1,002.40	71.30	
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer.....	1,143.99	71.30	
11 30 33		Retractable Stairs <small>(11 30)</small>			
11 30 33 00-0001		Disappearing Folding Access Stairs <small>(11 30 33)</small>			
11 30 33 00-0002		250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>			
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	554.48	157.61	
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	565.98	157.61	
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	565.98	157.61	
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	577.20	157.61	
11 30 33 00-0007		350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>			
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	659.49	157.61	
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	682.74	157.61	
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	673.18	157.61	
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	695.40	157.61	
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	686.46	157.61	
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	724.87	157.61	
11 30 33 00-0014		300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>			
11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	604.80	157.61	
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	631.75	157.61	
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	612.31	157.61	
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	639.24	157.61	
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	789.26	157.61	
11 30 33 00-0020		300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>			
11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	632.77	157.61	
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	666.48	157.61	
11 50 Educational and Scientific Equipment <small>(11)</small>					
11 52 Audio-Visual Equipment <small>(11 50)</small>					
11 52 13 Projection Screens <small>(11 52)</small>					
11 52 13 13 Fixed Projection Screens <small>(11 52 13)</small>					
11 52 13 13-0001		Screens <small>(11 52 13 13)</small>			
11 52 13 13-0002		Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)			
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	248.79	55.16	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	296.44	70.92	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	375.60	98.50	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	435.07	118.20	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	673.68	177.30	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	793.34	197.00	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	571.24	126.08	
		<i>For High Contrast Matte, Add</i>	40.00		
		<i>For Video Spectra Fabric, Add</i>	40.00		
		<i>For High Power Fabric, Add</i>	120.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	654.34 40.00 40.00 120.00	157.61
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	352.70 40.00 40.00 120.00	66.98
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	488.13 40.00 40.00 120.00	94.56
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	531.84 40.00 40.00 120.00	106.38
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	567.66 40.00 40.00 120.00	114.26
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	655.08 40.00 40.00 120.00	137.91
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	536.13 40.00 40.00 120.00	98.50
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	607.80 40.00 40.00 120.00	114.26
11 52 13 13-0018			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	577.38 40.00 40.00 120.00	70.92
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	676.60 40.00 40.00 120.00	98.50
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	787.66 40.00 40.00 120.00	133.97
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	914.48 40.00 40.00 120.00	177.30
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,002.63 40.00 40.00 120.00	181.25
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,074.28 40.00 40.00 120.00	197.00
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,094.35 40.00 40.00 120.00	197.00
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,178.19 40.00 40.00 120.00	208.83
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,262.04 40.00 40.00 120.00	220.64
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,353.75 40.00 40.00 120.00	236.41
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,514.29 40.00 40.00 120.00	236.41
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,752.17 40.00 40.00 120.00	315.21
11 52 13 13-0031			Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) <small>(11 52 13 13-0001)</small> Note: With controlled screen return.		

11 Equipment
11 50 Educational and Scientific Equipment
11 52 Audio-Visual Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,077.94	98.50
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,209.06	133.97
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,335.89	177.30
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,403.97	181.25
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,495.69	197.00
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,515.76	197.00
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,599.60	208.83
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,635.42	216.70
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,835.36	236.41
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,015.96	236.41
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,293.97	315.21
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,724.83	88.65
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,763.00	98.50
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,837.50	118.20
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,114.52	177.30
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,166.72	181.25
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,299.80	197.00
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,345.97	197.00
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,462.19	210.80
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,605.63	220.64
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,698.08	236.41
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,781.19	236.41
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,082.84	315.21

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001)

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	3,882.19	236.41
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	4,200.34	315.21
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,202.22	354.61
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,481.69	394.01
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,839.97	472.81
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062	EA		13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,520.77	512.22
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063	EA		18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,141.39	551.61
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064	EA		15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,542.73	551.61
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065	EA		20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	8,121.74	630.42
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066	EA		11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,524.12	512.22
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067	EA		16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,961.20	630.42
			Note: Heavy-duty screen for exposed or recessed installation without doors.		

Equipment	11
Educational and Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0068	EA		22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,319.48	709.22
11 52 13 13-0069	EA		12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,004.27	551.61
11 52 13 13-0070	EA		18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,326.18	709.22

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol)
(11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,586.68	88.65
11 52 13 13-0073	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,666.58	98.50
11 52 13 13-0074	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,746.13	118.20
11 52 13 13-0075	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,004.80	177.30
11 52 13 13-0076	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,052.81	181.25
11 52 13 13-0077	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,204.73	197.00
11 52 13 13-0078	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,325.14	197.00
11 52 13 13-0079	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,412.92	210.80
11 52 13 13-0080	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,532.96	220.64
11 52 13 13-0081	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,644.74	236.41
11 52 13 13-0082	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,684.87	236.41
11 52 13 13-0083	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,043.15	315.21
11 52 13 13-0084	EA		10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,403.63	334.91
11 52 13 13-0085	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,643.70	354.61
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,163.97	394.01
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,421.91	472.81

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol)
(11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,976.65	88.65
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,044.14	108.36
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,081.91	118.20
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,258.30	177.30
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,284.25	181.25
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,392.02	197.00
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,498.37	197.00
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,668.43	210.80
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,716.23	220.64
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,834.03	236.41
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,832.56	275.81
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,192.31	315.21
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,231.05	334.91
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,461.09	354.61
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,911.13	394.01
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,153.02	472.81
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,703.38	512.22
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,117.31	551.61
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,410.29	551.61
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,193.98	630.42

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,081.91	118.20
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,218.90	157.61
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,276.37	177.30
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,736.30	220.64
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,999.12	275.81
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,957.40	354.61
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,267.52	433.41
11 52 13 13-0116	EA	12" x 24" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	9,263.01	591.02
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,228.94	157.61
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,306.47	177.30
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,388.30	189.13
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,437.88	204.89
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,639.98	220.64
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,922.87	275.81
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,903.22	354.61
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,666.86	433.41
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,877.96	512.22

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) (11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,396.10	88.65
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,460.12	98.50
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,532.77	118.20
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,765.46	177.30
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,810.28	181.25
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,921.21	197.00
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,044.94	197.00
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,151.92	210.80
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,230.73	220.64
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,356.42	236.41
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,483.84	236.41
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,748.56	315.21

11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001)

Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.

11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,181.35	197.00
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,822.03	236.41
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,422.99	354.61
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,388.51	472.81
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,950.80	551.61
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,743.23	197.00
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,644.77	236.41
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,265.38	275.81
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,152.10	354.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0149			Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small> Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA		60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	3,220.78	197.00
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151	EA		67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,045.83	216.70
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152	EA		72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,635.18	236.41
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153	EA		84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	8,367.15	256.11
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154	EA		90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	9,270.75	8,994.95
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155	EA		96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	10,292.34	315.21
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156	EA		100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	13,199.48	354.61
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157	EA		120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	17,835.05	394.01
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158	EA		125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	19,956.55	433.41
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159	EA		135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	26,713.38	472.81
			Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0160			Screen Accessories <small>(11 52 13 13-0001)</small>		
11 52 13 13-0161			Manual Pull Down Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0162	EA		6" Mounting Bracket (Pair).....	47.94	5.91
11 52 13 13-0163	EA		14" Wall Mounting Bracket (Pair).....	68.01	6.30
11 52 13 13-0164	EA		14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	80.05	7.09
11 52 13 13-0165			Electric Powered Screen Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166	EA		Single Motor Low Voltage Remote Control System - Infrared.....	499.29	
11 52 13 13-0167	EA		Single Motor Low Voltage Remote Control System - Radio Frequency.....	720.03	
11 52 13 13-0168			Relocate Existing Fixed Projection Screen <small>(11 52 13 13)</small>		
11 52 13 13-0169	EA		Relocate Electric Controlled Projection Screen, Including Storage And Cleaning.....	1,158.86	
11 52 13 16			Portable Projection Screens <small>(11 52 13)</small>		
11 52 13 16-0001			Motion Picture Screen And Case <small>(11 52 13 16)</small>		
11 52 13 16-0002	SF		Screen, Riser Projection With Anodized Aluminum Frame.....	32.03	2.84
11 52 16			Projectors <small>(11 52)</small>		
11 52 16 26			Video Projectors <small>(11 52 16)</small>		
11 52 16 26-0001			Projectors <small>(11 52 16 26)</small>		
11 52 16 26-0002	EA		2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	934.48	39.40
11 52 16 26-0003	EA		2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	1,084.22	39.40
11 52 16 26-0004	EA		2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,437.19	39.40
11 52 16 26-0005	EA		3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	2,271.48	39.40
11 52 16 26-0006	EA		3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	2,645.84	39.40
11 52 16 26-0007	EA		3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	3,362.47	39.40
11 52 16 26-0008	EA		4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,351.93	39.40
11 52 16 26-0009	EA		5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	7,255.82	39.40
11 52 16 26-0010	EA		6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	10,774.80	39.40
11 52 16 26-0011			Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012			Universal Projector Mounts <small>(11 52 16 26-0011)</small> Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA		Flush Ceiling, Universal Projector Mount (Peerless PPF).....	197.55	43.32
11 52 16 26-0014	EA		Wall Arm, Universal Projector Mount (Peerless PWA-14).....	330.33	43.32
11 52 16 26-0015			Projector Mount Components <small>(11 52 16 26-0011)</small> Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016			Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017	EA		Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	70.96	19.69
11 52 16 26-0018	EA		Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	98.21	19.69
11 52 16 26-0019	EA		I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	138.55	19.69
11 52 16 26-0020	EA		Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	171.11	19.69
11 52 16 26-0021			Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022	EA		Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	257.87	19.69
11 52 16 26-0023	EA		High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	575.56	19.69

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 52 16 26-0024		Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	43.75	5.90
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	57.19	5.90
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	62.23	5.90
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	65.60	5.90
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	77.94	7.87
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	94.75	7.87
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	121.64	7.87
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	140.13	7.87
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	164.24	9.84
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	187.77	9.84
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	208.52	11.81
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	218.60	11.81
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	90.28	9.84
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	140.71	9.84
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	144.07	9.84
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	149.11	9.84
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	161.46	11.81
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	169.86	11.81
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	188.35	11.81
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	205.16	11.81
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	227.58	13.79
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	244.38	13.79
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	266.81	15.75
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	278.58	15.75

11 60 Entertainment and Recreation Equipment (11)**11 66 Athletic Equipment (11 60)****11 66 23 Gymnasium Equipment (11 66)****11 66 23 53 Wall Padding (11 66 23)**

11 66 23 53-0001		Gymnasium Wall Padding <small>(11 66 23 53)</small>		
		Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.		
11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	11.01	1.30
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	14.97	1.43
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	17.85	1.30
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	28.03	1.43
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	22.85	1.30
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	34.01	1.43
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	4.19	
11 66 23 53-0008		Gymnasium Wall Padding Accessories <small>(11 66 23 53)</small>		
11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads	6.93	1.89
		Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads	10.72	1.89
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads	11.16	1.89
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets	39.34	

11 66 53 Gymnasium Dividers (11 66)**11 66 53 11 Gymnasium Dividers (11 66 53)**

11 66 53 11-0001		Gymnasium Dividers <small>(11 66 53 11)</small>		
11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	5.99	0.79
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	10.80	0.79

11 68 Play Field Equipment and Structures (11 60)**11 68 13 Playground Equipment (11 68)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001				Standalone Playground Equipment <small>(11 68 13)</small>		
11 68 13 00-0002				Ground Socket For Movable Posts <small>(11 68 13 00-0001)</small>		
11 68 13 00-0003	PR			Ground Socket For 2-3/8" Post For Playground Equipment	210.76	48.38
11 68 13 00-0004	PR			Ground Socket For 3-1/2" Post For Playground Equipment	312.08	48.38
11 68 13 00-0005				Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0006				Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0005)</small>		
				Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0007	EA			8' High Top Rail, One Section Two Seats.....	1,278.77	263.28
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	147.30	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	161.07	
11 68 13 00-0008	EA			8' High Top Rail, Two Sections Four Seats	2,032.84	376.74
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	235.29	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	261.66	
11 68 13 00-0009	EA			8' High Top Rail, Three Sections, Six Seats	2,815.30	554.36
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	325.51	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	360.64	
11 68 13 00-0010	EA			8' High Top Rail, Four Sections, Eight Seats	3,522.54	645.10
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	408.06	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	455.13	
11 68 13 00-0011	EA			10' High Top Rail, One Section Two Seats.....	1,358.90	263.28
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	157.32	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	175.09	
11 68 13 00-0012	EA			10' High Top Rail, Two Section Four Seats	2,130.64	401.25
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	245.72	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	269.81	
11 68 13 00-0013	EA			10' High Top Rail, Three Sections, Six Seats	2,950.06	623.09
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	339.08	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	367.85	
11 68 13 00-0014	EA			10' High Top Rail, Four Sections, Eight Seats	3,897.32	752.62
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	449.52	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	493.80	
11 68 13 00-0015				Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0005)</small>		
				Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0016	EA			8' High Top Rail, One Section, Two Seats.....	1,447.01	232.52
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	169.25	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	195.09	
11 68 13 00-0017	EA			8' High Top Rail, Two Sections, Four Seats	2,100.17	337.39
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	245.65	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	283.19	
11 68 13 00-0018	EA			8' High Top Rail, Three Sections, Six Seats	2,802.25	451.21
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	327.72	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	377.59	
11 68 13 00-0019	EA			8' High Top Rail, Four Sections, Eight Seats	3,493.37	537.58
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	409.79	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	476.92	
11 68 13 00-0020	EA			10' High Top Rail, One Section, Two Seats.....	1,631.75	262.05
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	190.87	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	220.05	
11 68 13 00-0021	EA			10' High Top Rail, One Section Three Seats	1,701.55	277.90
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	199.46	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	231.59	
11 68 13 00-0022	EA			10' High Top Rail, Two Sections, Four Seats	2,278.34	366.85
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	266.45	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	306.99	
11 68 13 00-0023	EA			10' High Top Rail, Two Sections, Six Seats.....	2,728.92	422.90
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	320.97	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	376.82	
11 68 13 00-0024	EA			10' High Top Rail, Three Section, Six Seats	3,032.65	488.06
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	354.68	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	408.69	
11 68 13 00-0025	EA			10' High Top Rail, Three Sections, Nine Seats.....	3,754.86	537.80
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	442.47	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	522.69	
11 68 13 00-0026	EA			10' High Top Rail, Four Section, Eight Seats.....	3,854.69	645.10
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	449.57	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	513.26	
11 68 13 00-0027	EA			12' High Top Rail, One Section Three Seats	1,777.87	284.63
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	208.67	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	243.32	
11 68 13 00-0028	EA			12' High Top Rail, Two Sections, Six Seats.....	2,890.65	457.95
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	339.52	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	396.79	
11 68 13 00-0029	EA			12' High Top Rail, Three Sections, Nine Seats.....	4,236.05	733.47
				For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	493.67	
				For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	562.12	
11 68 13 00-0030				Swing Accessories <small>(11 68 13 00-0005)</small>		
11 68 13 00-0031	EA			Enclosed Tot Seat With Chain And Hardware	409.48	21.57
11 68 13 00-0032	EA			Bucket Seat With Chain And Hardware	340.41	17.93
11 68 13 00-0033	EA			Belt Seat With Chain And Hardware	362.61	19.15

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-0034	EA	Seat With Chain And Hardware	357.68	18.86
11 68 13 00-0035	EA	Wide Seat With Chain And Hardware.....	377.56	19.93
11 68 13 00-0036	EA	Handi Seat With Chain And Hardware.....	1,127.31	59.44
11 68 13 00-0037	LF	0.4 LB/LF Replacement Chain.....	4.77	0.43
11 68 13 00-0038	LF	1 LB/LF Replacement Chain.....	8.86	0.85
11 68 13 00-0039	EA	Swing Hanger Replacement	51.81	4.91

11 68 13 00-0040 Playground Equipment (Landscape Structures®) (11 68 13)
 Note: Excludes excavation and concrete footings.

11 68 13 00-0041 Playground Equipment (Landscape Structures® PlayShaper®) (11 68 13 00-0040)
 Note: Ages 2 to 5 years.

11 68 13 00-0042	EA	EI Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,312.61	96.42
11 68 13 00-0043	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	5,844.81	361.55
11 68 13 00-0044	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	2,411.38	96.42
11 68 13 00-0045	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A).....	2,752.80	144.62
11 68 13 00-0046	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A).....	2,336.52	144.62
11 68 13 00-0047	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A).....	1,854.00	96.42
11 68 13 00-0048	EA	Double Poly Slide, 40"- 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,058.61	96.42
11 68 13 00-0049	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	1,578.84	96.42
11 68 13 00-0050	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	4,482.53	289.24
11 68 13 00-0051	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	5,173.97	289.24
11 68 13 00-0052	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	5,576.13	289.24
11 68 13 00-0053	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	1,590.22	48.20
11 68 13 00-0054	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	1,614.11	96.42
11 68 13 00-0055	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,138.97	144.62
11 68 13 00-0056	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	2,385.91	144.62
11 68 13 00-0057	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	2,661.08	144.62
11 68 13 00-0058	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	1,536.50	96.42
11 68 13 00-0059	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	6,421.20	385.65
11 68 13 00-0060	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	894.45	96.42
11 68 13 00-0061	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	948.17	48.20
11 68 13 00-0062	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,427.32	120.51
11 68 13 00-0063	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,214.42	168.73
11 68 13 00-0064	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	2,588.36	168.73
11 68 13 00-0065	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	2,418.44	96.42
11 68 13 00-0066	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	2,601.88	96.42
11 68 13 00-0067	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,183.73	96.42
11 68 13 00-0068	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,381.28	96.42
11 68 13 00-0069	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	617.64	40.17
11 68 13 00-0070	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,143.56	72.31
11 68 13 00-0071	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	1,726.50	184.79
11 68 13 00-0072	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,036.94	184.79
11 68 13 00-0073	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	1,825.78	96.42
11 68 13 00-0074	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	3,679.67	96.42
11 68 13 00-0075	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	2,707.72	96.42
11 68 13 00-0076	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	847.05	120.51
11 68 13 00-0077	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	871.12	120.51
11 68 13 00-0078	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	912.99	120.51
11 68 13 00-0079	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	922.11	24.11
11 68 13 00-0080	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	336.50	24.11
11 68 13 00-0081	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	3,288.04	168.73
11 68 13 00-0082	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	1,717.46	120.51
11 68 13 00-0083	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,049.44	40.17
11 68 13 00-0084	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,069.99	48.20
11 68 13 00-0085	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	287.42	30.37
11 68 13 00-0086	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	1,604.33	48.20
11 68 13 00-0087	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	635.56	72.31
11 68 13 00-0088	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,152.34	72.31
11 68 13 00-0089	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	4,441.79	192.82
11 68 13 00-0090	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	4,441.79	192.82
11 68 13 00-0091	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,023.33	96.42
11 68 13 00-0092	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,515.34	96.42
11 68 13 00-0093	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	1,554.94	48.20
11 68 13 00-0094	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,013.55	48.20
11 68 13 00-0095	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,220.89	96.42
11 68 13 00-0096	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	3,658.63	192.82
11 68 13 00-0097	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	3,658.63	192.82
11 68 13 00-0098	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	3,658.63	192.82
11 68 13 00-0099	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	3,658.63	192.82
11 68 13 00-0100	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	703.39	24.11
11 68 13 00-0101	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,078.41	16.06
11 68 13 00-0102	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,247.75	16.06
11 68 13 00-0103	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,360.63	16.06
11 68 13 00-0104	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	738.66	24.11
11 68 13 00-0105	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	584.53	16.06
11 68 13 00-0106	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	1,706.35	16.06
11 68 13 00-0107	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	464.59	16.06
11 68 13 00-0108	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	548.17	24.11
11 68 13 00-0109	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,452.36	16.06
11 68 13 00-0110	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	908.00	24.11

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0111	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,258.61	48.20
11 68 13 00-0112	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,351.42	40.17
11 68 13 00-0113	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,298.78	72.31
11 68 13 00-0114	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	944.36	16.06
11 68 13 00-0115	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A).....	1,408.94	24.11
11 68 13 00-0116	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A).....	964.44	24.11
11 68 13 00-0117	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A).....	1,230.39	48.20
11 68 13 00-0118	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A).....	421.17	24.11
11 68 13 00-0119	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A).....	1,302.03	40.17
11 68 13 00-0120	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A).....	996.48	64.28
11 68 13 00-0121	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A).....	1,212.47	16.06
11 68 13 00-0122	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A).....	464.59	16.06
11 68 13 00-0123	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A).....	639.89	24.11
11 68 13 00-0124	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A).....	464.59	16.06
11 68 13 00-0125	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A).....	598.64	16.06
11 68 13 00-0126	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A).....	1,129.45	72.31
11 68 13 00-0127	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A).....	1,232.55	24.11
11 68 13 00-0128	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A).....	936.22	24.11
11 68 13 00-0129	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A).....	899.86	40.17
11 68 13 00-0130	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A).....	518.87	40.17
11 68 13 00-0131	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	456.44	24.11
11 68 13 00-0132	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,263.50	72.31
11 68 13 00-0133	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,468.11	72.31
11 68 13 00-0134	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	422.25	16.06
11 68 13 00-0135	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A).....	591.59	16.06
11 68 13 00-0136	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	121.69	16.06
11 68 13 00-0137	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A).....	682.22	24.11
11 68 13 00-0138	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B).....	906.92	40.17
11 68 13 00-0139	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A).....	518.87	40.17
11 68 13 00-0140	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	723.48	40.17
11 68 13 00-0141	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A).....	118.87	16.06
11 68 13 00-0142	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	224.70	16.06
11 68 13 00-0143	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	302.31	16.06
11 68 13 00-0144	EA	Handloop (Landscape Structures® PlayShaper® 119977A).....	175.31	16.06
11 68 13 00-0145	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	477.61	24.11
11 68 13 00-0146	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	491.72	24.11
11 68 13 00-0147	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	498.78	24.11
11 68 13 00-0148	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	512.89	24.11
11 68 13 00-0149	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	519.94	24.11
11 68 13 00-0150	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	534.05	24.11
11 68 13 00-0151	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	438.59	144.62
Note: Order one talk tube tubing kit with two talk tubes (any height listed).				
11 68 13 00-0152	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A).....	722.39	48.20
11 68 13 00-0153	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A).....	1,353.06	96.42
11 68 13 00-0154	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	1,501.22	96.42
11 68 13 00-0155	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A).....	3,123.99	96.42
11 68 13 00-0156	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	3,631.99	96.42
11 68 13 00-0157	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	786.98	40.17
11 68 13 00-0158	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	751.70	40.17
11 68 13 00-0159	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A).....	765.81	40.17
11 68 13 00-0160	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A).....	618.72	24.11
11 68 13 00-0161	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A).....	1,228.81	144.62
11 68 13 00-0162	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	1,122.98	144.62
11 68 13 00-0163	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	1,031.26	144.62
11 68 13 00-0164	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A).....	147.09	16.06
11 68 13 00-0165	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A).....	130.16	16.06
11 68 13 00-0166	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B).....	189.42	16.06
11 68 13 00-0167	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A).....	158.38	16.06
11 68 13 00-0168	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B).....	231.75	16.06
11 68 13 00-0169	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A).....	2,325.14	192.82
11 68 13 00-0170	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B).....	2,656.75	192.82
11 68 13 00-0171	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C).....	2,797.86	192.82
11 68 13 00-0172	EA	56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A).....	1,406.77	48.20
11 68 13 00-0173	EA	48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B).....	1,378.55	48.20
11 68 13 00-0174	EA	40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C).....	1,364.44	48.20
11 68 13 00-0175	EA	32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D).....	1,343.27	48.20
11 68 13 00-0176	EA	24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E).....	1,322.11	48.20
11 68 13 00-0177	EA	16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F).....	1,308.00	48.20
11 68 13 00-0178	EA	8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G).....	1,293.89	48.20
11 68 13 00-0179	EA	Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,279.78	48.20
11 68 13 00-0180	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A).....	315.33	24.11
11 68 13 00-0181	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B).....	301.22	24.11
11 68 13 00-0182	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	280.06	24.11
11 68 13 00-0183	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	273.00	24.11
11 68 13 00-0184	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E).....	265.95	24.11
11 68 13 00-0185	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	258.89	24.11
11 68 13 00-0186	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A).....	565.59	144.62
11 68 13 00-0187	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	537.37	144.62
11 68 13 00-0188	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	530.32	144.62
11 68 13 00-0189	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D).....	322.39	24.11
11 68 13 00-0190	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E).....	315.33	24.11
11 68 13 00-0191	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	301.22	24.11

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0192	EA		74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G).....	280.06	24.11
11 68 13 00-0193	EA		69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H).....	273.00	24.11
11 68 13 00-0194	EA		145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A).....	371.78	24.11
11 68 13 00-0195	EA		137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B).....	364.72	24.11
11 68 13 00-0196	EA		129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	343.56	24.11
11 68 13 00-0197	EA		121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	336.50	24.11
11 68 13 00-0198	EA		113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	329.45	24.11
11 68 13 00-0199	EA		105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	315.33	24.11
11 68 13 00-0200	EA		97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	301.22	24.11
11 68 13 00-0201	EA		89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	280.06	24.11
11 68 13 00-0202	EA		Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	1,824.05	166.07
11 68 13 00-0203	EA		Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	1,800.23	163.93
11 68 13 00-0204	EA		Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,466.43	133.57
11 68 13 00-0205	EA		Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,442.53	131.34
11 68 13 00-0206	EA		Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	298.05	27.14
11 68 13 00-0207	EA		Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B).....	286.11	26.07
11 68 13 00-0208	EA		Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	324.27	29.51
11 68 13 00-0209	EA		Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	309.97	28.21
11 68 13 00-0210	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	6,871.61	241.04
11 68 13 00-0211	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	3,655.90	144.62
11 68 13 00-0212 Playground Equipment (Landscape Structures® Independent Pieces) <small>(11 68 13 00-0040)</small>					
11 68 13 00-0213	EA		9-Blocks, Block Climber (Landscape Structures® 117966A).....	2,962.87	241.04
11 68 13 00-0214	EA		12-Blocks, Block Climber (Landscape Structures® 117966B).....	3,350.92	241.04
11 68 13 00-0215	EA		116-Blocks, Block Climber (Landscape Structures® 117966C).....	4,115.64	289.24
11 68 13 00-0216	EA		Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	3,087.14	192.82
11 68 13 00-0217	EA		6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	5,011.73	321.38
11 68 13 00-0218	EA		4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,451.29	144.62
11 68 13 00-0219	EA		Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	9,224.98	433.86
11 68 13 00-0220	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	8,313.66	289.24
11 68 13 00-0221	EA		Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	6,116.68	241.04
11 68 13 00-0222	EA		Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	7,215.17	265.13
11 68 13 00-0223	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	9,412.16	313.34
11 68 13 00-0224	EA		Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	10,510.66	337.44
11 68 13 00-0225	EA		Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	8,102.00	289.24
11 68 13 00-0226	EA		Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	5,975.56	241.04
11 68 13 00-0227	EA		Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	7,038.78	265.13
11 68 13 00-0228	EA		Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	9,165.22	313.34
11 68 13 00-0229	EA		Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	10,228.44	337.44
11 68 13 00-0230	EA		8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	335.42	40.17
11 68 13 00-0231	EA		16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	342.48	40.17
11 68 13 00-0232	EA		24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	349.54	40.17
11 68 13 00-0233	EA		30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	356.59	40.17
11 68 13 00-0234	EA		Track Ride Curved (Landscape Structures® 118093A).....	3,385.04	96.42
11 68 13 00-0235	EA		18" Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	5,138.69	289.24
11 68 13 00-0236	EA		18" Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	4,997.58	289.24
11 68 13 00-0237	EA		10" Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	4,320.25	289.24
11 68 13 00-0238	EA		10" Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	4,038.03	289.24
11 68 13 00-0239	EA		18" Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	4,496.64	289.24
11 68 13 00-0240	EA		18" Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	4,355.53	289.24
11 68 13 00-0241	EA		Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	426.06	48.20
11 68 13 00-0242	EA		Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	15,420.84	578.48
11 68 13 00-0243	EA		CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	13,313.53	867.71
11 68 13 00-0244	EA		CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	4,458.19	482.06
11 68 13 00-0245	EA		CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	5,471.90	192.82
11 68 13 00-0246	EA		CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	8,846.71	482.06
11 68 13 00-0247	EA		Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	559.04	64.28
11 68 13 00-0248	EA		Straight Crawl Tunnel (Landscape Structures® 100005A).....	1,800.31	144.62
11 68 13 00-0249	EA		Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,287.14	144.62
11 68 13 00-0250	EA		4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	480.93	144.62
11 68 13 00-0251	EA		SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	678.48	144.62
11 68 13 00-0252	EA		8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	968.89	289.24
11 68 13 00-0253	EA		8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,399.28	289.24
11 68 13 00-0254	EA		8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	968.89	289.24
11 68 13 00-0255	EA		8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,399.28	289.24
11 68 13 00-0256	EA		Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	4,410.39	385.65
11 68 13 00-0257	EA		Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	4,284.97	289.24
11 68 13 00-0258	EA		Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	1,965.31	192.82
11 68 13 00-0259	EA		Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	792.95	48.20
11 68 13 00-0260	EA		Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	692.01	72.31
11 68 13 00-0261	EA		Dino Climber, Direct Bury (Landscape Structures® 100122A).....	11,465.89	385.65
11 68 13 00-0262	EA		Dino Climber, Surface Mount (Landscape Structures® 100122B).....	11,942.92	337.44
11 68 13 00-0263	EA		Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	3,184.32	289.24
11 68 13 00-0264	EA		Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	3,261.93	289.24
11 68 13 00-0265	EA		Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	3,844.80	241.04
11 68 13 00-0266	EA		Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	2,699.08	192.82
11 68 13 00-0267	EA		Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,159.83	48.20
11 68 13 00-0268	EA		Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	1,712.89	96.42
11 68 13 00-0269	EA		Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	1,642.34	96.42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0270 EA Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	455.37	40.17
11 68 13 00-0271 EA Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	6,110.76	385.65
11 68 13 00-0272 EA Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,161.27	289.24
11 68 13 00-0273 EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,020.16	289.24
11 68 13 00-0274 EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	2,542.27	289.24
11 68 13 00-0275 EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	1,703.10	48.20
11 68 13 00-0276 EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A)	2,371.80	144.62
11 68 13 00-0277 EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A)	4,279.52	192.82
11 68 13 00-0278 EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	6,180.17	241.04
11 68 13 00-0279 EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	2,503.11	96.42
11 68 13 00-0280 EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,157.39	96.42
11 68 13 00-0281 EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	2,771.22	96.42
11 68 13 00-0282 EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	2,390.22	96.42
11 68 13 00-0283 EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	3,349.77	96.42
11 68 13 00-0284 EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	2,982.88	96.42
11 68 13 00-0285 EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	316.42	16.06
11 68 13 00-0286 EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	259.98	16.06
11 68 13 00-0287 EA Stationary Cyclus, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,181.56	120.51
11 68 13 00-0288 EA Stationary Cyclus, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,058.89	72.31
11 68 13 00-0289 EA Stationary Cyclus, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,096.90	120.51
11 68 13 00-0290 EA Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	1,616.86	144.62
11 68 13 00-0291 EA Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	252.92	16.06
11 68 13 00-0292 EA Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	210.59	16.06
11 68 13 00-0293 EA Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,365.01	120.51
11 68 13 00-0294 EA Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,384.03	144.62
11 68 13 00-0295 EA Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,369.92	144.62
11 68 13 00-0296 EA Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	1,616.86	144.62
11 68 13 00-0297 EA RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,350.90	120.51
11 68 13 00-0298 EA T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,369.92	144.62
11 68 13 00-0299 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,038.03	168.73
11 68 13 00-0300 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,138.97	144.62
11 68 13 00-0301 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	1,847.53	168.73
11 68 13 00-0302 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	1,941.42	144.62
11 68 13 00-0303 EA Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,393.23	120.51
11 68 13 00-0304 EA Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,134.34	96.42
11 68 13 00-0305 EA Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,153.34	120.51
11 68 13 00-0306 EA Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,139.23	120.51
11 68 13 00-0307 EA Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,393.23	120.51
11 68 13 00-0308 EA RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,127.28	96.42
11 68 13 00-0309 EA T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,139.23	120.51
11 68 13 00-0310 EA Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,428.51	120.51
11 68 13 00-0311 EA Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,527.28	120.51
11 68 13 00-0312 EA Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,456.73	120.51
11 68 13 00-0313 EA Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,211.95	96.42
11 68 13 00-0314 EA Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,303.67	96.42
11 68 13 00-0315 EA Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,240.17	96.42
11 68 13 00-0316 EA SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	8,915.67	578.48
11 68 13 00-0317 EA 40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	4,769.07	241.04
11 68 13 00-0318 EA Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	5,770.96	241.04
11 68 13 00-0319 EA Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	17,495.86	964.12
11 68 13 00-0320 EA Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,002.47	192.82
11 68 13 00-0321 EA Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	1,645.08	144.62
11 68 13 00-0322 EA 12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	33,015.48	1,540.60
11 68 13 00-0323 EA 7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	18,170.01	1,156.95
11 68 13 00-0324 EA 6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	16,469.64	1,156.95
11 68 13 00-0325 EA 3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	7,874.64	385.65
11 68 13 00-0326 EA 4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,136.50	72.31
11 68 13 00-0327 EA 6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,270.56	72.31
11 68 13 00-0328 EA Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	4,038.03	289.24
11 68 13 00-0329 EA 4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	854.28	72.31
11 68 13 00-0330 EA 6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	924.84	72.31
11 68 13 00-0331 EA Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	3,886.87	385.65
11 68 13 00-0332 EA Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	3,768.34	385.65
11 68 13 00-0333 EA Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	2,450.73	192.82
11 68 13 00-0334 EA Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	2,332.20	192.82
11 68 13 00-0335 EA Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	1,998.99	289.24
11 68 13 00-0336 EA Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,117.52	289.24
11 68 13 00-0337 EA Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,440.48	144.62
11 68 13 00-0338 EA Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	1,559.01	144.62
11 68 13 00-0339 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	2,302.38	289.24
11 68 13 00-0340 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	2,420.91	289.24
11 68 13 00-0341 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	1,743.86	144.62
11 68 13 00-0342 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	1,862.39	144.62
11 68 13 00-0343 EA Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	877.61	48.20
11 68 13 00-0344 EA Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	4,459.78	385.65
11 68 13 00-0345 EA Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	3,129.47	192.82
11 68 13 00-0346 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	4,050.56	385.65
11 68 13 00-0347 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	2,621.47	192.82
11 68 13 00-0348 EA Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,014.70	192.82
11 68 13 00-0349 EA Curved Balance Beam (Landscape Structures® 100041A)	855.37	64.28
11 68 13 00-0350 EA Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,513.17	120.51

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0351	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	3,228.25	192.82
11 68 13 00-0352	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	3,609.24	192.82
11 68 13 00-0353	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	3,221.19	192.82
11 68 13 00-0354	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	3,602.19	192.82
11 68 13 00-0355	EA		FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	15,902.72	1,735.42
11 68 13 00-0356	EA		FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	15,437.06	1,735.42
11 68 13 00-0357	EA		Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	9,978.58	1,156.95
11 68 13 00-0358	EA		Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	10,176.13	1,156.95
11 68 13 00-0359	EA		Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	2,254.59	192.82
11 68 13 00-0360	EA		Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	2,184.03	192.82
11 68 13 00-0361	EA		30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	20.02	8.03
11 68 13 00-0362	EA		TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	64.04	8.03
11 68 13 00-0363	EA		TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	817.36	16.06
11 68 13 00-0364	EA		Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	449.39	24.11
11 68 13 00-0365	EA		Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A).....	449.39	24.11
11 68 13 00-0366	EA		Accessible Playground Sign, With 2-3/8" Post (Accessories (Landscape Structures® 100103A).....	421.17	24.11
11 68 13 00-0367	EA		Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	865.66	24.11
11 68 13 00-0368	EA		Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	731.61	24.11
11 68 13 00-0369	EA		Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	731.61	24.11
11 68 13 00-0370	EA		Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	245.87	16.06
11 68 13 00-0371	EA		Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	609.50	48.20
11 68 13 00-0372	EA		Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	315.33	24.11
11 68 13 00-0373	EA		Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	301.22	24.11
11 68 13 00-0374	EA		Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	97.70	16.06
11 68 13 00-0375	EA		Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A).....	92.06	16.06
11 68 13 00-0376	LF		TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	7.90	2.41
11 68 13 00-0377	EA		TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	10.23	
11 68 13 00-0378	EA		Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A).....	230.67	24.11
11 68 13 00-0379	EA		Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A).....	76.53	12.05
11 68 13 00-0380	EA		Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	265.95	24.11
11 68 13 00-0381	EA		Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	223.61	24.11
11 68 13 00-0382	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	3,870.30	192.82
11 68 13 00-0383	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	140.03	12.05
11 68 13 00-0384	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	140.03	12.05
11 68 13 00-0385	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	140.03	12.05
11 68 13 00-0386	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	140.03	12.05
11 68 13 00-0387	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	140.03	12.05
11 68 13 00-0388	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	140.03	12.05
11 68 13 00-0389	EA		Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	147.09	12.05
11 68 13 00-0390	EA		1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	2,002.17	96.42
11 68 13 00-0391	EA		1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	2,061.43	96.42
11 68 13 00-0392	EA		TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	70.56	
11 68 13 00-0393	EA		1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	2,150.33	96.42
11 68 13 00-0394	EA		1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	2,209.60	96.42
11 68 13 00-0395	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	2,611.69	144.62
11 68 13 00-0396	EA		The Pinnacle Natural Climber (Landscape Structures® 156065A).....	21,206.35	578.48
11 68 13 00-0397	EA		The Pointe Natural Climber (Landscape Structures® 156067A).....	11,980.94	385.65
11 68 13 00-0398	EA		Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	11,980.94	385.65
11 68 13 00-0399	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	1,635.28	96.42
11 68 13 00-0400	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	1,753.81	96.42
11 68 13 00-0401	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	1,818.72	96.42
11 68 13 00-0402	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	1,937.25	96.42
11 68 13 00-0403	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	941.11	48.20
11 68 13 00-0404	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B).....	1,059.64	48.20
11 68 13 00-0405	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,004.61	48.20
11 68 13 00-0406	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,123.14	48.20
11 68 13 00-0407	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	1,705.83	96.42
11 68 13 00-0408	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	1,886.46	96.42
11 68 13 00-0409	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	1,889.28	96.42
11 68 13 00-0410	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,069.90	96.42
11 68 13 00-0411	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	997.56	48.20
11 68 13 00-0412	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,258.52	96.42
11 68 13 00-0413	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,061.05	48.20
11 68 13 00-0414	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,322.02	96.42
11 68 13 00-0415	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	1,776.39	96.42
11 68 13 00-0416	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	1,894.92	96.42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0417 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	1,959.83	96.42
11 68 13 00-0418 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,078.36	96.42
11 68 13 00-0419 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,075.17	48.20
11 68 13 00-0420 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,274.04	96.42
11 68 13 00-0421 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,138.66	48.20
11 68 13 00-0422 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,337.54	96.42
11 68 13 00-0423 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	1,846.94	96.42
11 68 13 00-0424 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,027.57	96.42
11 68 13 00-0425 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,030.39	96.42
11 68 13 00-0426 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,211.01	96.42
11 68 13 00-0427 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,138.66	48.20
11 68 13 00-0428 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,399.63	96.42
11 68 13 00-0429 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,282.50	96.42
11 68 13 00-0430 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,463.13	96.42
11 68 13 00-0431 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A).....	1,635.28	96.42
11 68 13 00-0432 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	1,818.72	96.42
11 68 13 00-0433 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,381.28	96.42
11 68 13 00-0434 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B).....	1,571.78	96.42
11 68 13 00-0435 EA Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A).....	1,395.39	96.42
11 68 13 00-0436 EA Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	1,585.89	96.42
11 68 13 00-0437 EA Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,381.28	96.42
11 68 13 00-0438 EA Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	1,571.78	96.42
11 68 13 00-0439 EA Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	1,635.28	96.42
11 68 13 00-0440 EA Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B).....	1,818.72	96.42
11 68 13 00-0441 EA Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	1,501.22	96.42
11 68 13 00-0442 EA Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B).....	1,670.56	96.42
11 68 13 00-0443 EA Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A).....	1,585.89	96.42
11 68 13 00-0444 EA Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	1,769.33	96.42
11 68 13 00-0445 EA Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	1,522.39	96.42
11 68 13 00-0446 EA Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	1,698.78	96.42
11 68 13 00-0447 EA Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	1,578.84	96.42
11 68 13 00-0448 EA Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A).....	2,185.61	96.42
11 68 13 00-0449 EA 8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,075.17	48.20
11 68 13 00-0450 EA 16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,082.22	48.20
11 68 13 00-0451 EA 24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,089.28	48.20
11 68 13 00-0452 EA Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	1,959.83	96.42
11 68 13 00-0453 EA Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B).....	3,373.68	144.62
11 68 13 00-0454 EA Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C).....	5,097.95	192.82
11 68 13 00-0455 EA Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	6,356.56	241.04
11 68 13 00-0456 EA 10", Pod Climber, One Pod Only (Landscape Structures® 158997A).....	315.33	24.11
11 68 13 00-0457 EA 20", Pod Climber, One Pod Only (Landscape Structures® 158998A).....	329.45	24.11
11 68 13 00-0458 EA CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A).....	11,134.28	385.65
11 68 13 00-0459 EA CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	5,888.17	192.82
11 68 13 00-0460 EA CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	6,074.34	241.04
11 68 13 00-0461 EA CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	6,173.12	241.04
11 68 13 00-0462 EA CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	7,513.66	241.04
11 68 13 00-0463 EA CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	7,612.44	241.04
11 68 13 00-0464 EA CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	7,725.33	241.04
11 68 13 00-0465 EA CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	9,548.38	289.24
11 68 13 00-0466 EA CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	9,661.27	289.24
11 68 13 00-0467 EA CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	9,767.10	289.24
11 68 13 00-0468 EA Stationary Cyler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	1,790.50	96.42
11 68 13 00-0469 EA Stationary Cyler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	1,543.56	96.42
11 68 13 00-0470 EA Stationary Cyler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,235.00	96.42
11 68 13 00-0471 EA Stationary Cyler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	1,543.56	96.42
11 68 13 00-0472 EA Stationary Cyler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	1,748.17	96.42
11 68 13 00-0473 EA Stationary Cyler, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	1,501.22	96.42
11 68 13 00-0474 EA Stationary Cyler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G).....	2,192.66	96.42
11 68 13 00-0475 EA Stationary Cyler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	1,501.22	96.42
11 68 13 00-0476 EA Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A).....	2,618.74	144.62
11 68 13 00-0477 EA Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B).....	2,576.41	144.62
11 68 13 00-0478 EA Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	4,498.24	192.82
11 68 13 00-0479 EA Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	4,455.90	192.82

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0480	EA		The Peak Natural Climber (Landscape Structures® 160418A).....	6,511.78	241.04
11 68 13 00-0481	EA		The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	3,296.07	144.62
11 68 13 00-0482	EA		Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	8,078.10	241.04
11 68 13 00-0483	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	5,958.72	192.82
11 68 13 00-0484	EA		HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	5,648.28	192.82
11 68 13 00-0485	EA		HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	5,958.72	192.82
11 68 13 00-0486	EA		HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	5,648.28	192.82
11 68 13 00-0487	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	3,218.46	144.62
11 68 13 00-0488	EA		HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	2,900.96	144.62
11 68 13 00-0489	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	7,450.16	241.04
11 68 13 00-0490	EA		HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	7,139.72	241.04
11 68 13 00-0491	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	2,900.96	144.62
11 68 13 00-0492	EA		HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	2,590.52	144.62
11 68 13 00-0493	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	2,823.35	144.62
11 68 13 00-0494	EA		HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	2,590.52	144.62
11 68 13 00-0495	EA		HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	3,373.68	144.62
11 68 13 00-0496	EA		HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	3,528.90	144.62
11 68 13 00-0497	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	2,668.13	144.62
11 68 13 00-0498	EA		HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	2,590.52	144.62
11 68 13 00-0499	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	3,373.68	144.62
11 68 13 00-0500	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	3,528.90	144.62
11 68 13 00-0501	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,254.28	96.42
11 68 13 00-0502	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	863.50	48.20
11 68 13 00-0503	EA		Global Releaf Sign With Frame (Landscape Structures® 162617A).....	771.78	48.20
11 68 13 00-0504	EA		Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	997.56	48.20
11 68 13 00-0505	EA		Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,268.39	96.42
11 68 13 00-0506	EA		Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	1,924.56	96.42
11 68 13 00-0507	EA		Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,065.66	96.42
11 68 13 00-0508	EA		16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,473.00	96.42
11 68 13 00-0509	EA		24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,487.11	96.42

11 68 13 00-0510 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0040)

11 68 13 00-0511	EA		116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,374.23	96.42
11 68 13 00-0512	EA		Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,473.00	96.42
11 68 13 00-0513	EA		Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	588.34	48.20
11 68 13 00-0514	EA		Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	560.11	48.20
11 68 13 00-0515	EA		182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	449.39	24.11
11 68 13 00-0516	EA		174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	442.33	24.11
11 68 13 00-0517	EA		166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	421.17	24.11
11 68 13 00-0518	EA		158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	414.11	24.11
11 68 13 00-0519	EA		150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	392.95	24.11
11 68 13 00-0520	EA		142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	385.89	24.11
11 68 13 00-0521	EA		134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	371.78	24.11
11 68 13 00-0522	EA		126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	364.72	24.11
11 68 13 00-0523	EA		118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	343.56	24.11
11 68 13 00-0524	EA		110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	336.50	24.11
11 68 13 00-0525	EA		148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	392.95	24.11
11 68 13 00-0526	EA		140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	378.83	24.11
11 68 13 00-0527	EA		132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	371.78	24.11
11 68 13 00-0528	EA		124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	364.72	24.11
11 68 13 00-0529	EA		116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	343.56	24.11
11 68 13 00-0530	EA		108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	336.50	24.11
11 68 13 00-0531	EA		100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	329.45	24.11
11 68 13 00-0532	EA		92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	315.33	24.11
11 68 13 00-0533	EA		84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	301.22	24.11
11 68 13 00-0534	EA		76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	280.06	24.11
11 68 13 00-0535	EA		106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	553.06	48.20
11 68 13 00-0536	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	531.89	48.20
11 68 13 00-0537	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	510.73	48.20
11 68 13 00-0538	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	456.44	24.11
11 68 13 00-0539	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	449.39	24.11
11 68 13 00-0540	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	435.28	24.11
11 68 13 00-0541	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	414.11	24.11
11 68 13 00-0542	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	407.06	24.11
11 68 13 00-0543	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	392.95	24.11
11 68 13 00-0544	EA		CloudDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	4,437.98	160.68
11 68 13 00-0545	EA		TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	5,711.34	433.86
11 68 13 00-0546	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	1,894.17	120.51
11 68 13 00-0547	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,098.78	120.51
11 68 13 00-0548	EA		Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	2,435.30	144.62
11 68 13 00-0549	EA		40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	2,972.59	136.59
11 68 13 00-0550	EA		48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	3,387.79	144.62
11 68 13 00-0551	EA		56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	3,585.35	144.62
11 68 13 00-0552	EA		64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	4,014.65	160.68
11 68 13 00-0553	EA		72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	4,205.14	160.68
11 68 13 00-0554	EA		96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	5,626.03	208.90
11 68 13 00-0555	EA		Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A).....	873.29	96.42
11 68 13 00-0556	EA		Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B).....	894.45	96.42
11 68 13 00-0557	EA		Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,183.73	96.42
11 68 13 00-0558	EA		Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,219.00	96.42
11 68 13 00-0559	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	4,482.53	289.24
11 68 13 00-0560	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	5,173.97	289.24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0561 EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	5,576.13	289.24
11 68 13 00-0562 EA 56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	6,583.48	385.65
11 68 13 00-0563 EA 64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	6,745.76	385.65
11 68 13 00-0564 EA 72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	7,888.75	385.65
11 68 13 00-0565 EA 96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	9,298.26	482.06
11 68 13 00-0566 EA 40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	7,346.49	216.93
11 68 13 00-0567 EA 56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	9,240.10	265.13
11 68 13 00-0568 EA Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	1,614.11	96.42
11 68 13 00-0569 EA 32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,138.97	144.62
11 68 13 00-0570 EA 40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	2,385.91	144.62
11 68 13 00-0571 EA 48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	2,661.08	144.62
11 68 13 00-0572 EA 56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,016.58	192.82
11 68 13 00-0573 EA 64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	3,143.58	192.82
11 68 13 00-0574 EA 72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	3,595.13	192.82
11 68 13 00-0575 EA 96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	4,296.36	241.04
11 68 13 00-0576 EA 72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	6,395.14	361.55
11 68 13 00-0577 EA 72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	6,645.33	329.41
11 68 13 00-0578 EA 56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	5,802.47	361.55
11 68 13 00-0579 EA 56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	6,031.50	329.41
11 68 13 00-0580 EA 32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,296.33	120.51
11 68 13 00-0581 EA 48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	2,500.94	120.51
11 68 13 00-0582 EA 64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	3,093.61	120.51
11 68 13 00-0583 EA 32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	2,543.28	120.51
11 68 13 00-0584 EA 48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	2,747.89	120.51
11 68 13 00-0585 EA 64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	3,354.66	120.51
11 68 13 00-0586 EA 32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	2,592.66	120.51
11 68 13 00-0587 EA 40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	2,747.89	120.51
11 68 13 00-0588 EA 48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	3,163.09	136.59
11 68 13 00-0589 EA 56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	3,345.46	144.62
11 68 13 00-0590 EA 64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	3,740.57	144.62
11 68 13 00-0591 EA 72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	3,874.62	144.62
11 68 13 00-0592 EA 96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	5,112.06	192.82
11 68 13 00-0593 EA Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	927.00	48.20
11 68 13 00-0594 EA Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	1,637.44	72.31
11 68 13 00-0595 EA Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	3,705.29	144.62
11 68 13 00-0596 EA 32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	2,382.66	184.79
11 68 13 00-0597 EA 40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	2,777.77	184.79
11 68 13 00-0598 EA 32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	2,700.16	184.79
11 68 13 00-0599 EA 40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	3,109.38	184.79
11 68 13 00-0600 EA Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	2,937.32	136.59
11 68 13 00-0601 EA Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	2,879.80	144.62
11 68 13 00-0602 EA Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	3,091.46	144.62
11 68 13 00-0603 EA Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	3,472.46	144.62
11 68 13 00-0604 EA Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	3,677.07	144.62
11 68 13 00-0605 EA Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,391.09	144.62
11 68 13 00-0606 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,468.70	144.62
11 68 13 00-0607 EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	1,567.47	144.62
11 68 13 00-0608 EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	1,899.08	144.62
11 68 13 00-0609 EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	1,976.69	144.62
11 68 13 00-0610 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,075.47	144.62
11 68 13 00-0611 EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,153.08	144.62
11 68 13 00-0612 EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	3,087.14	192.82
11 68 13 00-0613 EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	3,976.13	192.82
11 68 13 00-0614 EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	4,498.24	192.82
11 68 13 00-0615 EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	5,634.17	192.82
11 68 13 00-0616 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	5,083.84	192.82
11 68 13 00-0617 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	4,498.24	192.82
11 68 13 00-0618 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	3,891.46	192.82
11 68 13 00-0619 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	5,422.51	192.82
11 68 13 00-0620 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	5,083.84	192.82
11 68 13 00-0621 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	4,745.18	192.82
11 68 13 00-0622 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	2,385.91	144.62
11 68 13 00-0623 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	3,098.52	144.62
11 68 13 00-0624 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	1,858.89	120.51
11 68 13 00-0625 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	1,591.87	112.48
11 68 13 00-0626 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,142.20	112.48
11 68 13 00-0627 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	1,895.26	112.48
11 68 13 00-0628 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	1,682.51	120.51
11 68 13 00-0629 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	1,767.17	120.51
11 68 13 00-0630 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	1,837.73	120.51
11 68 13 00-0631 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,061.62	120.51
11 68 13 00-0632 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,118.07	120.51
11 68 13 00-0633 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,209.79	120.51
11 68 13 00-0634 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,365.01	120.51
11 68 13 00-0635 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,421.45	120.51
11 68 13 00-0636 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,499.06	120.51
11 68 13 00-0637 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	1,837.73	120.51
11 68 13 00-0638 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	1,851.84	120.51

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0639	EA		64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,183.45	120.51
11 68 13 00-0640	EA		72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,197.56	120.51
11 68 13 00-0641	EA		48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,134.06	120.51
11 68 13 00-0642	EA		56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,169.33	120.51
11 68 13 00-0643	EA		64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	2,500.94	120.51
11 68 13 00-0644	EA		72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	2,522.11	120.51
11 68 13 00-0645	EA		72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	4,189.96	168.73
11 68 13 00-0646	EA		40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	3,427.96	168.73
11 68 13 00-0647	EA		32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,197.84	96.42
11 68 13 00-0648	EA		56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,353.06	96.42
11 68 13 00-0649	EA		32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,508.28	96.42
11 68 13 00-0650	EA		56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	1,705.83	96.42
11 68 13 00-0651	EA		64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	4,086.85	216.93
11 68 13 00-0652	EA		SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	5,652.02	72.31
11 68 13 00-0653	EA		Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	5,591.84	192.82
11 68 13 00-0654	EA		Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	5,591.84	192.82
11 68 13 00-0655	EA		Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	5,591.84	192.82
11 68 13 00-0656	EA		SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	5,652.02	72.31
11 68 13 00-0657	EA		Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	3,561.43	96.42
11 68 13 00-0658	EA		SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	7,300.85	96.42
11 68 13 00-0659	EA		Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	4,031.99	120.51
11 68 13 00-0660	EA		Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	181.28	24.11
11 68 13 00-0661	EA		Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	209.50	24.11
11 68 13 00-0662	EA		Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	795.11	24.11
11 68 13 00-0663	EA		Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	280.06	24.11
11 68 13 00-0664	EA		40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	2,498.80	144.62
11 68 13 00-0665	EA		48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	2,682.24	144.62
11 68 13 00-0666	EA		40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	2,809.24	144.62
11 68 13 00-0667	EA		48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	3,070.30	144.62
11 68 13 00-0668	EA		40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	2,809.24	144.62
11 68 13 00-0669	EA		48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,013.85	144.62
11 68 13 00-0670	EA		1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,404.61	72.31
11 68 13 00-0671	EA		2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	1,997.27	72.31
11 68 13 00-0672	EA		3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	2,596.99	72.31
11 68 13 00-0673	EA		4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	3,189.65	72.31
11 68 13 00-0674	EA		1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,355.22	72.31
11 68 13 00-0675	EA		2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	1,552.78	72.31
11 68 13 00-0676	EA		3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	1,757.39	72.31
11 68 13 00-0677	EA		4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	1,842.05	72.31
11 68 13 00-0678	EA		1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	1,623.33	72.31
11 68 13 00-0679	EA		2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	1,835.00	72.31
11 68 13 00-0680	EA		3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,032.55	72.31
11 68 13 00-0681	EA		4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,230.10	72.31
11 68 13 00-0682	EA		48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	3,844.24	168.73
11 68 13 00-0683	EA		64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	3,943.01	168.73
11 68 13 00-0684	EA		48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	3,886.57	168.73
11 68 13 00-0685	EA		48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	4,472.18	168.73
11 68 13 00-0686	EA		64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	4,570.95	168.73
11 68 13 00-0687	EA		48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	4,528.62	168.73
11 68 13 00-0688	EA		40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,484.95	120.51
11 68 13 00-0689	EA		56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	1,633.12	120.51
11 68 13 00-0690	EA		64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	1,788.34	120.51
11 68 13 00-0691	EA		40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	1,920.25	144.62
11 68 13 00-0692	EA		56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,075.47	144.62
11 68 13 00-0693	EA		64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	2,223.64	144.62
11 68 13 00-0694	EA		40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	1,795.39	120.51
11 68 13 00-0695	EA		56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	1,936.50	120.51
11 68 13 00-0696	EA		64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,098.78	120.51
11 68 13 00-0697	EA		40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,028.51	96.42
11 68 13 00-0698	EA		40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,338.95	96.42
11 68 13 00-0699	EA		32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,197.84	96.42
11 68 13 00-0700	EA		56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,296.62	96.42
11 68 13 00-0701	EA		32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,508.28	96.42
11 68 13 00-0702	EA		56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	1,592.95	96.42
11 68 13 00-0703	EA		24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	890.65	64.28
11 68 13 00-0704	EA		32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	982.37	64.28
11 68 13 00-0705	EA		40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,095.26	64.28
11 68 13 00-0706	EA		48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,312.89	72.31
11 68 13 00-0707	EA		56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,482.22	72.31
11 68 13 00-0708	EA		64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	1,637.44	72.31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0709	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	1,849.11	72.31
11 68 13 00-0710	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	1,926.72	72.31
11 68 13 00-0711	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	1,997.27	72.31
11 68 13 00-0712	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,237.16	72.31
11 68 13 00-0713	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	2,314.77	72.31
11 68 13 00-0714	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	1,901.23	120.51
11 68 13 00-0715	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	1,992.95	120.51
11 68 13 00-0716	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	2,604.63	144.62
11 68 13 00-0717	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	2,717.52	144.62
11 68 13 00-0718	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,211.67	120.51
11 68 13 00-0719	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,296.33	120.51
11 68 13 00-0720	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,007.34	96.42
11 68 13 00-0721	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,353.06	96.42
11 68 13 00-0722	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	1,704.76	112.48
11 68 13 00-0723	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,057.53	112.48
11 68 13 00-0724	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	1,642.34	96.42
11 68 13 00-0725	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	1,748.17	96.42
11 68 13 00-0726	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	1,995.11	96.42
11 68 13 00-0727	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,242.05	96.42
11 68 13 00-0728	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	1,959.83	96.42
11 68 13 00-0729	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,058.61	96.42
11 68 13 00-0730	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,305.55	96.42
11 68 13 00-0731	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	2,559.55	96.42
11 68 13 00-0732	EA	Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A)	1,216.11	144.62
11 68 13 00-0733	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,437.73	96.42
11 68 13 00-0734	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	1,574.53	144.62
11 68 13 00-0735	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	6,421.20	385.65
11 68 13 00-0736	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	6,421.20	385.65
11 68 13 00-0737	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,282.50	96.42
11 68 13 00-0738	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,282.50	96.42
11 68 13 00-0739	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,416.56	96.42
11 68 13 00-0740	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,416.56	96.42
11 68 13 00-0741	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	826.06	72.31
11 68 13 00-0742	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	889.56	72.31
11 68 13 00-0743	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	931.89	72.31
11 68 13 00-0744	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	988.34	72.31
11 68 13 00-0745	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,298.78	72.31
11 68 13 00-0746	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,355.22	72.31
11 68 13 00-0747	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,404.61	72.31
11 68 13 00-0748	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,468.11	72.31
11 68 13 00-0749	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,129.45	72.31
11 68 13 00-0750	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,171.78	72.31
11 68 13 00-0751	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,235.28	72.31
11 68 13 00-0752	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,298.78	72.31
11 68 13 00-0753	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	955.79	120.51
11 68 13 00-0754	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	991.07	120.51
11 68 13 00-0755	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,054.57	120.51
11 68 13 00-0756	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,336.79	120.51
11 68 13 00-0757	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,393.23	120.51
11 68 13 00-0758	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,435.56	120.51
11 68 13 00-0759	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,484.95	120.51
11 68 13 00-0760	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,534.34	120.51
11 68 13 00-0761	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	1,583.73	120.51
11 68 13 00-0762	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,118.07	120.51
11 68 13 00-0763	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,174.51	120.51
11 68 13 00-0764	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,209.79	120.51
11 68 13 00-0765	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,245.06	120.51
11 68 13 00-0766	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,287.40	120.51
11 68 13 00-0767	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,350.90	120.51
11 68 13 00-0768	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	1,924.56	96.42
11 68 13 00-0769	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,355.22	72.31
11 68 13 00-0770	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	2,717.52	144.62
11 68 13 00-0771	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	680.06	48.20
11 68 13 00-0772	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	1,924.56	96.42
11 68 13 00-0773	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	3,465.40	144.62
11 68 13 00-0774	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	2,747.89	120.51
11 68 13 00-0775	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	2,604.63	144.62
11 68 13 00-0776	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	2,917.22	120.51
11 68 13 00-0777	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	1,880.06	120.51
11 68 13 00-0778	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,195.11	48.20
11 68 13 00-0779	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,166.89	48.20
11 68 13 00-0780	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,230.39	48.20
11 68 13 00-0781	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	948.17	48.20
11 68 13 00-0782	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,315.05	48.20
11 68 13 00-0783	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,054.00	48.20

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0784	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,343.27	48.20
11 68	13 00-0785	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	2,747.89	120.51
11 68	13 00-0786	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,166.89	48.20
11 68	13 00-0787	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,022.77	24.11
11 68	13 00-0788	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	1,729.16	72.31
11 68	13 00-0789	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,531.61	72.31
11 68	13 00-0790	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,310.73	96.42
11 68	13 00-0791	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,381.28	96.42
11 68	13 00-0792	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	2,587.77	96.42
11 68	13 00-0793	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	2,912.32	96.42
11 68	13 00-0794	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	3,691.75	216.93
11 68	13 00-0795	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	4,698.52	241.04
11 68	13 00-0796	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	10,180.20	482.06
11 68	13 00-0797	EA	16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	5,576.13	289.24
11 68	13 00-0798	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,218.16	48.20
11 68	13 00-0799	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	2,366.32	48.20
11 68	13 00-0800	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	4,314.21	120.51
11 68	13 00-0801	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	5,563.03	120.51
11 68	13 00-0802	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,258.33	72.31
11 68	13 00-0803	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	3,404.63	192.82
11 68	13 00-0804	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	3,940.85	192.82
11 68	13 00-0805	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	336.50	24.11
11 68	13 00-0806	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	501.51	72.31
11 68	13 00-0807	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	614.39	72.31
11 68	13 00-0808	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	487.40	72.31
11 68	13 00-0809	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	3,684.12	144.62
11 68	13 00-0810	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	4,669.73	168.73
11 68	13 00-0811	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A)	5,299.83	144.62
11 68	13 00-0812	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A)	6,485.16	144.62
11 68	13 00-0813	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	3,187.05	337.44
11 68	13 00-0814	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	4,424.50	385.65
11 68	13 00-0815	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	4,424.50	385.65
11 68	13 00-0816	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	3,311.76	48.20
11 68	13 00-0817	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,161.71	48.20
11 68	13 00-0818	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	2,475.47	168.73
11 68	13 00-0819	EA	84" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	2,750.05	96.42
11 68	13 00-0820	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	3,265.10	96.42
11 68	13 00-0821	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,100.94	96.42
11 68	13 00-0822	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	5,366.06	192.82
11 68	13 00-0823	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	5,366.06	192.82
11 68	13 00-0824	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	5,366.06	192.82
11 68	13 00-0825	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	5,366.06	192.82
11 68	13 00-0826	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	3,427.96	168.73
11 68	13 00-0827	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,032.85	168.73
11 68	13 00-0828	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	3,131.63	168.73
11 68	13 00-0829	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	1,680.86	64.28
11 68	13 00-0830	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	1,596.20	64.28
11 68	13 00-0831	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	1,886.55	48.20
11 68	13 00-0832	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,456.16	48.20
11 68	13 00-0833	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,398.64	64.28
11 68	13 00-0834	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,292.81	64.28
11 68	13 00-0835	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	856.44	48.20
11 68	13 00-0836	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	630.67	48.20
11 68	13 00-0837	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	637.72	48.20
11 68	13 00-0838	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,230.39	48.20
11 68	13 00-0839	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	996.48	64.28
11 68	13 00-0840	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	764.72	48.20
11 68	13 00-0841	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	764.72	48.20
11 68	13 00-0842	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,166.89	48.20
11 68	13 00-0843	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,117.50	48.20
11 68	13 00-0844	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,322.11	48.20
11 68	13 00-0845	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	1,576.11	48.20
11 68	13 00-0846	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,456.16	48.20
11 68	13 00-0847	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	778.83	48.20
11 68	13 00-0848	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,305.83	72.31
11 68	13 00-0849	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,503.39	72.31

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0850	EA			Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	948.17	48.20
11 68 13 00-0851	EA			Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,096.33	48.20
11 68 13 00-0852	EA			Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	877.61	48.20
11 68 13 00-0853	EA			Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	736.50	48.20
11 68 13 00-0854	EA			Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	701.22	48.20
11 68 13 00-0855	EA			Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,205.98	88.37
11 68 13 00-0856	EA			Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	1,623.33	72.31
11 68 13 00-0857	EA			Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,102.31	64.28
11 68 13 00-0858	EA			Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	630.67	48.20
11 68 13 00-0859	EA			Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	651.84	48.20
11 68 13 00-0860	EA			2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	315.33	24.11
11 68 13 00-0861	EA			1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	158.38	16.06
11 68 13 00-0862	EA			House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	829.31	40.17
11 68 13 00-0863	EA			House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	990.50	48.20
11 68 13 00-0864	EA			House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	715.34	48.20
11 68 13 00-0865	EA			Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	1,808.94	48.20
11 68 13 00-0866	EA			Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	1,576.11	48.20
11 68 13 00-0867	EA			Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	1,971.21	48.20
11 68 13 00-0868	EA			Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	651.84	48.20
11 68 13 00-0869	EA			Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	700.15	64.28
11 68 13 00-0870	EA			Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	835.28	48.20
11 68 13 00-0871	EA			Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	897.70	64.28
11 68 13 00-0872	EA			Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	694.17	48.20
11 68 13 00-0873	EA			Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	891.72	48.20
11 68 13 00-0874	EA			Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	560.11	48.20
11 68 13 00-0875	EA			Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	714.26	64.28
11 68 13 00-0876	EA			Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	682.22	24.11
11 68 13 00-0877	EA			Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	488.55	24.11
11 68 13 00-0878	EA			Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	893.89	24.11
11 68 13 00-0879	EA			Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,513.69	40.17
11 68 13 00-0880	EA			Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	815.20	40.17
11 68 13 00-0881	EA			Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,245.58	40.17
11 68 13 00-0882	EA			Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	934.06	48.20
11 68 13 00-0883	EA			Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,138.66	48.20
11 68 13 00-0884	EA			Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,295.77	48.20
11 68 13 00-0885	EA			Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	2,471.08	64.28
11 68 13 00-0886	EA			Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,427.94	48.20
11 68 13 00-0887	EA			Wire Barrier (Landscape Structures® PlayBooster® 120314A)	728.37	64.28
11 68 13 00-0888	EA			Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	883.59	64.28
11 68 13 00-0889	EA			Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	932.98	64.28
11 68 13 00-0890	EA			Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,088.20	64.28
11 68 13 00-0891	EA			Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	778.83	48.20
11 68 13 00-0892	EA			Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	983.44	48.20
11 68 13 00-0893	EA			Loop Seats (Landscape Structures® PlayBooster® 118089A)	491.72	24.11
11 68 13 00-0894	EA			Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	189.42	16.06
11 68 13 00-0895	EA			Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	210.59	16.06
11 68 13 00-0896	EA			Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	271.92	40.17
11 68 13 00-0897	EA			Rail Assembly (Landscape Structures® PlayBooster® 111276A)	264.87	40.17
11 68 13 00-0898	EA			Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,417.65	88.37
11 68 13 00-0899	EA			Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	607.34	72.31
11 68 13 00-0900	EA			Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	565.01	72.31
11 68 13 00-0901	EA			Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	729.45	48.20
11 68 13 00-0902	EA			Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	1,954.94	72.31
11 68 13 00-0903	EA			48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	689.28	24.11
11 68 13 00-0904	EA			72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	731.61	24.11
11 68 13 00-0905	EA			Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	519.94	24.11
11 68 13 00-0906	EA			16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	527.00	24.11
11 68 13 00-0907	EA			24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	534.05	24.11
11 68 13 00-0908	EA			32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	541.11	24.11
11 68 13 00-0909	EA			40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	548.17	24.11
11 68 13 00-0910	EA			48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	562.28	24.11
11 68 13 00-0911	EA			56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	569.33	24.11
11 68 13 00-0912	EA			64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	583.44	24.11
11 68 13 00-0913	EA			72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	590.50	24.11
11 68 13 00-0914	EA			Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	816.27	24.11
11 68 13 00-0915	EA			Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	2,473.31	192.82
11 68 13 00-0916	EA			Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	3,482.24	192.82
11 68 13 00-0917	EA			Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	2,858.63	144.62
11 68 13 00-0918	EA			Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,049.13	144.62
11 68 13 00-0919	EA			Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	4,754.40	168.73
11 68 13 00-0920	EA			Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	295.25	16.06
11 68 13 00-0921	EA			Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	11,766.09	578.48
11 68 13 00-0922	EA			Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	3,865.53	482.06
11 68 13 00-0923	EA			PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	20,150.31	867.71

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment and Structures



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0924	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	15,726.51	867.71
11 68	13 00-0925	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	14,872.80	867.71
11 68	13 00-0926	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	20,270.25	867.71
11 68	13 00-0927	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	15,846.46	867.71
11 68	13 00-0928	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	14,999.80	867.71
11 68	13 00-0929	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,032.83	48.20
11 68	13 00-0930	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	990.50	48.20
11 68	13 00-0931	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	962.28	48.20
11 68	13 00-0932	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	781.00	24.11
11 68	13 00-0933	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	2,917.22	120.51
11 68	13 00-0934	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	772.87	40.17
11 68	13 00-0935	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	830.39	24.11
11 68	13 00-0936	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	581.28	48.20
11 68	13 00-0937	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	469.48	40.17
11 68	13 00-0938	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	582.37	40.17
11 68	13 00-0939	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,529.75	192.82
11 68	13 00-0940	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	2,868.42	192.82
11 68	13 00-0941	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,009.53	192.82
11 68	13 00-0942	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	2,797.86	192.82
11 68	13 00-0943	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	3,129.47	192.82
11 68	13 00-0944	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	3,249.41	192.82
11 68	13 00-0945	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,484.38	48.20
11 68	13 00-0946	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,435.00	48.20
11 68	13 00-0947	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,378.55	48.20
11 68	13 00-0948	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,364.44	48.20
11 68	13 00-0949	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,272.72	48.20
11 68	13 00-0950	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	490.65	40.17
11 68	13 00-0951	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	476.53	40.17
11 68	13 00-0952	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	469.48	40.17
11 68	13 00-0953	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	462.42	40.17
11 68	13 00-0954	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	455.37	40.17
11 68	13 00-0955	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	441.26	40.17
11 68	13 00-0956	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	434.20	40.17
11 68	13 00-0957	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	427.15	40.17
11 68	13 00-0958	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	413.04	40.17
11 68	13 00-0959	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	462.42	40.17
11 68	13 00-0960	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	455.37	40.17
11 68	13 00-0961	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	441.26	40.17
11 68	13 00-0962	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	434.20	40.17
11 68	13 00-0963	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	427.15	40.17
11 68	13 00-0964	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	413.04	40.17
11 68	13 00-0965	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	405.98	40.17
11 68	13 00-0966	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	398.92	40.17
11 68	13 00-0967	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	391.87	40.17
11 68	13 00-0968	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	364.72	24.11
11 68	13 00-0969	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	606.02	24.11
11 68	13 00-0970	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	336.50	24.11
11 68	13 00-0971	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	329.45	24.11
11 68	13 00-0972	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	322.39	24.11
11 68	13 00-0973	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	315.33	24.11
11 68	13 00-0974	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	301.22	24.11
11 68	13 00-0975	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	280.06	24.11
11 68	13 00-0976	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	265.95	24.11
11 68	13 00-0977	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	258.89	24.11
11 68	13 00-0978	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	414.11	24.11
11 68	13 00-0979	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	477.61	24.11
11 68	13 00-0980	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	421.17	24.11
11 68	13 00-0981	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	414.11	24.11
11 68	13 00-0982	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	407.06	24.11
11 68	13 00-0983	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	392.95	24.11
11 68	13 00-0984	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	385.89	24.11
11 68	13 00-0985	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	378.83	24.11
11 68	13 00-0986	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	371.78	24.11
11 68	13 00-0987	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	364.72	24.11
11 68	13 00-0988	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	343.56	24.11
11 68	13 00-0989	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	336.50	24.11
11 68	13 00-0990	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	1,855.40	867.71
11 68	13 00-0991	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	1,862.45	867.71
11 68	13 00-0992	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	1,876.57	867.71
11 68	13 00-0993	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,720.66	482.06
11 68	13 00-0994	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,678.32	482.06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0995 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,657.16	482.06
11 68 13 00-0996 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,537.21	482.06
11 68 13 00-0997 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,508.99	482.06
11 68 13 00-0998 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	557.29	48.20
11 68 13 00-0999 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,444.78	96.42
11 68 13 00-1000 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,247.23	96.42
11 68 13 00-1001 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	3,017.08	144.62
11 68 13 00-1002 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	3,154.96	144.62
11 68 13 00-1003 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	4,257.95	192.82
11 68 13 00-1004 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	3,976.13	192.82
11 68 13 00-1005 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	560.11	48.20
11 68 13 00-1006 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	538.95	48.20
11 68 13 00-1007 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	517.78	48.20
11 68 13 00-1008 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	510.73	48.20
11 68 13 00-1009 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	456.44	24.11
11 68 13 00-1010 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	442.33	24.11
11 68 13 00-1011 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	421.17	24.11
11 68 13 00-1012 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	414.11	24.11
11 68 13 00-1013 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	407.06	24.11
11 68 13 00-1014 EA Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,388.34	96.42
11 68 13 00-1015 EA 32" Decks, Spring Across Bridge With 4 Tender Tuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	4,541.49	192.82
11 68 13 00-1016 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	4,257.95	192.82
11 68 13 00-1017 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	4,396.43	192.82
11 68 13 00-1018 EA Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	4,547.62	192.82
11 68 13 00-1019 EA The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	2,206.35	578.48
11 68 13 00-1020 EA The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	11,980.94	385.65
11 68 13 00-1021 EA Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,054.00	48.20
11 68 13 00-1022 EA Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	3,754.68	144.62
11 68 13 00-1023 EA Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	3,373.68	144.62
11 68 13 00-1024 EA Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	4,385.35	192.82
11 68 13 00-1025 EA Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	4,223.07	192.82
11 68 13 00-1026 EA Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	3,768.79	144.62
11 68 13 00-1027 EA Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	3,585.35	144.62
11 68 13 00-1028 EA Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	3,204.35	144.62
11 68 13 00-1029 EA Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	5,182.62	192.82
11 68 13 00-1030 EA 16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	560.11	48.20
11 68 13 00-1031 EA 24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	835.28	48.20
11 68 13 00-1032 EA 24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	927.00	48.20
11 68 13 00-1033 EA 32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,395.39	96.42
11 68 13 00-1034 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,494.17	96.42
11 68 13 00-1035 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	1,564.72	96.42
11 68 13 00-1036 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	1,642.34	96.42
11 68 13 00-1037 EA Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	2,357.69	144.62
11 68 13 00-1038 EA Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,494.17	96.42
11 68 13 00-1039 EA Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,353.06	96.42
11 68 13 00-1040 EA Stationary Cypher, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,117.50	48.20
11 68 13 00-1041 EA Stationary Cypher, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	870.56	48.20
11 68 13 00-1042 EA Stationary Cypher, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,642.34	96.42
11 68 13 00-1043 EA Stationary Cypher, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	870.56	48.20
11 68 13 00-1044 EA (1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,249.11	96.42
11 68 13 00-1045 EA (1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,227.94	96.42
11 68 13 00-1046 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	6,871.61	241.04
11 68 13 00-1047 EA The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	7,231.44	241.04
11 68 13 00-1048 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	3,655.90	144.62
11 68 13 00-1049 EA 64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	4,293.63	192.82
11 68 13 00-1050 EA Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	637.72	48.20
11 68 13 00-1051 EA Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	3,705.29	144.62
11 68 13 00-1052 EA Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	7,323.17	241.04
11 68 13 00-1053 EA RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	2,357.69	144.62
11 68 13 00-1054 EA Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,004.61	48.20

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1055	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	905.83	48.20
11 68 13 00-1056	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	912.89	48.20
11 68 13 00-1057	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,037.44	96.42
11 68 13 00-1058	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	1,621.17	96.42
11 68 13 00-1059	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	849.39	48.20
11 68 13 00-1060	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	990.50	48.20
11 68 13 00-1061	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	927.00	48.20
11 68 13 00-1062 Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0040)</small>					
11 68 13 00-1063	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	771.78	48.20
11 68 13 00-1064	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	905.83	48.20
11 68 13 00-1065	EA		Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	3,465.40	144.62
11 68 13 00-1066	EA		Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	2,668.13	144.62
11 68 13 00-1067	EA		Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	6,295.74	136.59
11 68 13 00-1068	EA		Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	4,858.07	192.82
11 68 13 00-1069	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	3,248.83	120.51
11 68 13 00-1070	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	6,717.99	144.62
11 68 13 00-1071	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	1,578.84	96.42
11 68 13 00-1072	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,060.77	72.31
11 68 13 00-1073	EA		E-Pod Step (Landscape Structures® Evos™ 156454A)	323.48	16.06
11 68 13 00-1074	EA		Cyclor With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,456.16	48.20
11 68 13 00-1075	EA		8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,055.09	40.17
11 68 13 00-1076	EA		16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,062.14	40.17
11 68 13 00-1077	EA		24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,069.20	40.17
11 68 13 00-1078	EA		Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	6,034.17	216.93
11 68 13 00-1079	EA		PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	6,231.16	144.62
11 68 13 00-1080	EA		ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	2,721.83	96.42
11 68 13 00-1081	EA		Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	2,930.76	48.20
11 68 13 00-1082	EA		2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	25,580.76	578.48
11 68 13 00-1083	EA		3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	28,814.46	867.71
11 68 13 00-1084	EA		Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	3,240.76	289.24
11 68 13 00-1085	EA		16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,473.00	96.42
11 68 13 00-1086	EA		24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,487.11	96.42
11 68 13 00-1087	EA		Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	990.50	48.20
11 68 13 00-1088	EA		Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	912.89	48.20
11 68 13 00-1089	EA		Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	778.83	48.20
11 68 13 00-1090	EA		Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	1,614.11	96.42
11 68 13 00-1091	EA		Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	835.28	48.20
11 68 13 00-1092	EA		Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,346.00	96.42
11 68 13 00-1093	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	524.84	48.20
11 68 13 00-1094	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	722.39	48.20
11 68 13 00-1095	EA		Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	934.06	48.20
11 68 13 00-1096	EA		Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,185.61	96.42
11 68 13 00-1097	EA		Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	2,668.13	144.62
11 68 13 00-1098	EA		Balance/Winder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	4,738.12	192.82
11 68 13 00-1099	EA		Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	1,945.72	96.42
11 68 13 00-1100	EA		Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,122.11	96.42
11 68 13 00-1101	EA		3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	29,223.68	867.71
11 68 13 00-1102	EA		4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	31,975.33	867.71
11 68 13 00-1103	EA		Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	3,394.85	144.62
11 68 13 00-1104	EA		Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	6,314.23	241.04
11 68 13 00-1105	EA		Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,508.28	96.42
11 68 13 00-1106	EA		Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	1,896.33	96.42
11 68 13 00-1107	EA		TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	1,896.33	96.42
11 68 13 00-1108 Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0040)</small>					
11 68 13 00-1109	EA		Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	771.78	48.20
11 68 13 00-1110	EA		ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	1,981.00	96.42
11 68 13 00-1111 Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0040)</small>					
11 68 13 00-1112	EA		52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8) (Landscape Structures® 160110A)	81.09	24.11
11 68 13 00-1113	EA		66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8) (Landscape Structures® 160112A)	85.33	24.11
11 68 13 00-1114	EA		Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	79.68	24.11
11 68 13 00-1115	EA		Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	9.44	4.82
11 68 13 00-1116	EA		Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	9.44	4.82
11 68 13 00-1117	EA		Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	9.44	4.82
11 68 13 00-1118	EA		Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	9.44	4.82
11 68 13 00-1119	EA		D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	126.25	24.11
11 68 13 00-1120	EA		(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	65.45	9.64
11 68 13 00-1121	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	40.05	9.64
11 68 13 00-1122	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	41.46	9.64
11 68 13 00-1123	EA		2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	83.59	12.05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-1124	EA	3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A).....	83.59	12.05
11 68 13 00-1125	EA	TenderTuff Repair Kit (Landscape Structures® 138717A).....	9.17	
11 68 13 00-1126	EA	Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A).....	110.40	12.05
11 68 13 00-1127	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A).....	69.68	9.64
11 68 13 00-1128	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8") (Landscape Structures® 141730A).....	83.91	24.11
11 68 13 00-1129	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6") Toddler Swing (Landscape Structures® 141739A).....	76.15	24.11
11 68 13 00-1130	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10") (Landscape Structures® 141766A).....	103.67	24.11
11 68 13 00-1131	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6") Toddler Swing (Landscape Structures® 152016A).....	72.63	24.11
11 68 13 00-1132	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152048A).....	79.68	24.11
11 68 13 00-1133	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8"), Flat Seat (8") (Landscape Structures® 152050A).....	86.74	24.11
11 68 13 00-1134	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10") (Landscape Structures® 152051A).....	93.79	24.11
11 68 13 00-1135	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10"), Flat Seat (10"), 16" Deck Ascending Chain (Landscape Structures® 152052A).....	107.90	24.11
11 68 13 00-1136	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7") 2" Arch Swing (Landscape Structures® 152053A).....	74.74	24.11
11 68 13 00-1137	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8") (Landscape Structures® 152067A).....	124.84	24.11
11 68 13 00-1138	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A).....	623.61	48.20
11 68 13 00-1139	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A).....	244.78	24.11
11 68 13 00-1140	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A).....	237.72	24.11
11 68 13 00-1141	EA	Nylon Basketball Net (Landscape Structures® 100082A).....	39.85	12.05
11 68 13 00-1142	EA	Chain Basketball Net (Landscape Structures® 100083A).....	49.72	12.05
11 68 13 00-1143	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,117.50	48.20
11 68 13 00-1144	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	927.00	48.20
11 68 13 00-1145	EA	Warning Label (Landscape Structures® 115176A).....	0.14	
11 68 13 00-1146	EA	PS Spare Parts Kit (Landscape Structures® 107040A).....	47.98	
11 68 13 00-1147	EA	PB Spare Parts Kit (Landscape Structures® 107043A).....	104.42	
11 68 13 00-1148	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	609.50	48.20
11 68 13 00-1149	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	126.25	24.11
11 68 13 00-1150	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	722.39	48.20

11 68 13 00-1151

Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0040)

11 68 13 00-1152	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,205.98	88.37
11 68 13 00-1153	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	621.45	72.31
11 68 13 00-1154	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,057.82	88.37
11 68 13 00-1155	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	607.34	72.31
11 68 13 00-1156	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,735.14	88.37
11 68 13 00-1157	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	811.95	72.31
11 68 13 00-1158	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,509.37	88.37
11 68 13 00-1159	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	790.78	72.31
11 68 13 00-1160	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	289.84	72.31
11 68 13 00-1161	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	174.13	72.31
11 68 13 00-1162	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	216.14	64.28
11 68 13 00-1163	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	755.51	72.31
11 68 13 00-1164	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	650.76	64.28
11 68 13 00-1165	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	650.76	64.28
11 68 13 00-1166	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	390.78	48.20
11 68 13 00-1167	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	581.28	48.20
11 68 13 00-1168	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	1,904.54	241.04
11 68 13 00-1169	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	1,833.99	241.04
11 68 13 00-1170	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,735.21	241.04
11 68 13 00-1171	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,377.26	241.04
11 68 13 00-1172	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,299.65	241.04
11 68 13 00-1173	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,193.82	241.04
11 68 13 00-1174	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	1,996.26	241.04
11 68 13 00-1175	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	1,904.54	241.04
11 68 13 00-1176	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	1,805.76	241.04
11 68 13 00-1177	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,468.98	241.04
11 68 13 00-1178	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,377.26	241.04
11 68 13 00-1179	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,264.37	241.04
11 68 13 00-1180	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	621.45	72.31
11 68 13 00-1181	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	684.95	72.31
11 68 13 00-1182	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	670.84	72.31
11 68 13 00-1183	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	734.34	72.31
11 68 13 00-1184	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	917.78	72.31
11 68 13 00-1185	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	854.28	72.31
11 68 13 00-1186	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	974.23	72.31
11 68 13 00-1187	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	910.73	72.31
11 68 13 00-1188	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	128.74	16.06
11 68 13 00-1189	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	637.72	48.20
11 68 13 00-1190	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	651.84	48.20
11 68 13 00-1191	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	411.95	48.20
11 68 13 00-1192	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	433.12	48.20

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 68 13 00-1193	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	651.84	48.20
11 68 13 00-1194	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	680.06	48.20
11 68 13 00-1195	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	433.12	48.20
11 68 13 00-1196	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	461.34	48.20
11 68 13 00-1197	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,485.54	192.82
11 68 13 00-1198	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	1,556.09	192.82
11 68 13 00-1199	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	1,563.15	192.82
11 68 13 00-1200	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	1,668.98	192.82
11 68 13 00-1201	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	1,527.87	192.82
11 68 13 00-1202	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	1,612.54	192.82
11 68 13 00-1203	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,436.08	40.17
11 68 13 00-1204	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,302.03	40.17
11 68 13 00-1205	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,189.14	40.17
11 68 13 00-1206	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	630.67	48.20
11 68 13 00-1207	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	538.95	48.20
11 68 13 00-1208	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	729.45	48.20

11 68 23 Exterior Court Athletic Equipment (11 68)**11 68 23 13 Exterior Basketball Equipment (11 68 23)****11 68 23 13-0001****Basketball Systems (11 68 23 13)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	1,695.94	186.85
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	3,274.10	205.53
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,309.16	186.85
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	2,876.01	205.53
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230)	3,660.85	274.78
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230)	4,811.23	302.25
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

11 68 23 13-0008**Basketball Components (11 68 23 13)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	29.45	7.16
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000)	50.63	7.16
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000)	127.70	35.81
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	248.70	16.12
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,076.44	30.44
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,149.08	30.44
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	822.29	26.86
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	618.88	26.86
		Note: Includes perimeter and target markings. Excludes pole and goal.		

11 68 23 33 Tennis Equipment (11 68 23)**11 68 23 33-0001****Tennis Court Net Posts (11 68 23 33)**

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	857.19	121.85
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,070.78	121.85
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,106.37	121.85
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,167.93	121.85
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,387.12	121.85
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	212.77	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	239.38	

11 68 23 33-0009**Tennis Court Nets (11 68 23 33)**

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	450.28	120.42
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	492.76	120.42
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,054.62	185.29
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	58.86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001 Football Goal Posts (11 68 33 13)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape".....	3,609.99	322.26
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	4,995.88	425.99
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	5,966.76	511.19

11 68 33 23 Soccer and Field Hockey Equipment (11 68 33)

11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts.....	3,492.28	215.04
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post.....	4,203.70	322.26

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001 Bases (11 68 33 33)

11 68 33 33-0002	SET	Bases For Baseball Or Softball.....	414.08	
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11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors (11 81 29)

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0039 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001)

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	541.17	59.10
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Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.

For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	

11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	462.58	59.10
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Note: Includes drilling in concrete and adhesive anchor systems.

For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	

11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	350.05	61.57
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For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001)

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	381.41	59.10
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Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.

For Stainless Steel Pad Eye, Add	40.00	
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11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	343.16	59.10
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Note: Includes drilling in concrete and adhesive anchor systems.

For Stainless Steel Pad Eye, Add	40.00	
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11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	308.03	61.57
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For Stainless Steel Pad Eye, Add	40.00	
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11 81 29 00-0010 Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	305.60	
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Note: One cut sheet required per order.

11 90 Other Equipment (11)

11 98 Detention Equipment (11 90)

11 98 12 Detention Doors and Frames (11 98)

11 98 12 00-0001 Swinging Detention Doors (11 98 12)

Note: Excludes hinges or locking mechanisms. As manufactured by American Jail Products.

11 98 12 00-0002	EA	Heavy Duty Steel Swinging Detention Door.....	2,394.54	319.94
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Note: Up To 40" W x Up To 90" H

11 Equipment
11 90 Other Equipment
11 98 Detention Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0003	EA		Grating Swinging Detention Door..... Note: Up To 40" W x Up To 90" H	2,147.08	279.94
11 98 12 00-0004	EA		Woven Swinging Detention Door..... Note: Up To 40" W x Up To 90" H	2,055.24	239.96
11 98 12 00-0005	EA		Perforated Plate Swinging Detention Door..... Note: Up To 40" W x Up To 90" H	2,003.37	239.96
11 98 12 00-0006			Sliding Detention Doors <small>(11 98 12)</small> Note: Excludes sliding mechanisms hardware.		
11 98 12 00-0007	EA		Heavy Duty Steel Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,394.54	319.94
11 98 12 00-0008	EA		Grating Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,147.08	279.94
11 98 12 00-0009	EA		Woven Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,055.24	239.96
11 98 12 00-0010	EA		Perforated Plate Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,003.37	239.96
11 98 12 00-0011			Frames For Swinging And Sliding Detention Doors <small>(11 98 12)</small> Note: Includes frames for heavy duty steel doors, grating doors, woven doors, and perforated doors.		
11 98 12 00-0012	EA		Frames For Hollow Steel Swinging And Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	1,404.73	159.97
11 98 12 00-0013			Detention Door Accessories <small>(11 98 12)</small> See CSI section 02 41 19 13-0016 for torch cutting existing door to prepare for devices.		
11 98 12 00-0014	EA		8" x 16", Welded Observation Panels For Heavy Duty Steel Detention Doors.....	521.57	106.65
11 98 12 00-0015	EA		Food/Cuff Passes For 1-3/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-1.7)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	681.26	106.65
			<i>For Security Lock, Add</i>	413.22	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0016	EA		Food/Cuff Passes For 2" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.0)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	689.26	106.65
			<i>For Security Lock, Add</i>	413.22	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0017	EA		Food/Cuff Passes For 2-1/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.2)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	697.25	106.65
			<i>For Security Lock, Add</i>	413.22	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0018	EA		Tool Resistant Grating Detention Doors.....	3,431.84	319.94
11 98 12 00-0019	EA		Food Pass Doors For Grating Detention Doors.....	417.84	106.65
11 98 12 00-0020	EA		Food Pass Doors For Woven Detention Doors.....	417.84	106.65
11 98 12 00-0021	EA		Food Pass Door Assembly With 1010A Or 1017A Lock (Southern Folger 262).....	949.44	106.65
11 98 12 00-0022	EA		Food Pass Door Assembly With 1010AM Or 1017AM Lock (Southern Folger 262).....	1,276.38	106.65
11 98 14			Detention Door Hardware <small>(11 98)</small>		
11 98 14 00-0001			Prison Deadlocks and Deadlatches <small>(11 98 14)</small>		
11 98 14 00-0002	EA		Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010A-1).....	574.12	61.81
11 98 14 00-0003	EA		Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010A-2).....	582.60	61.81
11 98 14 00-0004	EA		Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010AM-1).....	953.14	61.81
11 98 14 00-0005	EA		Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010AM-2).....	1,421.75	61.81
11 98 14 00-0006	EA		Automatic Prison Deadlock, Keyed One Side, For Sliding Doors (Southern Folger 1030A-1).....	1,490.78	61.81
11 98 14 00-0007	EA		Automatic Prison Deadlock, Keyed Both Sides, For Sliding Doors (Southern Folger 1030A-2).....	1,490.78	61.81
11 98 14 00-0008	EA		Automatic Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030AK).....	1,617.92	61.81
11 98 14 00-0009	EA		Prison Deadlock, Keyed One Or Both Sides, For Sliding Doors (Southern Folger 1030AD).....	1,230.43	61.81
11 98 14 00-0010	EA		Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030ADK).....	1,545.27	61.81
11 98 14 00-0011	EA		Prison CREMONE Bolt Set With Snaplatch, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10370A).....	3,058.85	61.81
11 98 14 00-0012	EA		Prison CREMONE Bolt Set With Deadlock, Active, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AA).....	3,271.97	61.81
11 98 14 00-0013	EA		Prison CREMONE Bolt Set With Deadlock, Inactive, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AI).....	3,051.59	61.81
11 98 14 00-0014	EA		Keys For Prison Deadlock.....	31.22	
11 98 14 00-0015	EA		115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1).....	2,846.53	82.42
11 98 14 00-0016	EA		115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2).....	3,594.72	82.42
11 98 14 00-0017	EA		24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1).....	3,039.20	82.42
11 98 14 00-0018	EA		24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2).....	3,691.08	82.42
11 98 14 00-0019	EA		24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1).....	1,570.54	59.06
11 98 14 00-0020	EA		24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2).....	1,861.02	59.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 98 14 00-0021			Detention Door Hardware <small>(11 98 14)</small>		
			Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0022	EA		Hinges For Detention Door.....	310.63	41.21
11 98 14 00-0023	EA		Door Closer For Detention Door.....	486.69	61.81
11 98 14 00-0024	EA		Escutcheon For Detention Door.....	82.84	10.30
11 98 14 00-0025	EA		Cylinder Shield For Detention Door.....	82.84	10.30
11 98 14 00-0026	EA		Door Pulls For Detention Door.....	82.84	10.30
11 98 14 00-0027	EA		Surface Overhead Stop For Detention Door.....	559.18	72.12
11 98 14 00-0028	EA		Protection Plate For Detention Door.....	145.08	10.30
11 98 14 00-0029	EA		Astragal For Detention Door.....	144.95	20.60
11 98 14 00-0030	EA		Floor Stop For Detention Door.....	80.72	14.42

11 98 21 Detention Windows (11 98)

11 98 21 00-0001			Steel Detention Windows <small>(11 98 21)</small>		
			Note: As manufactured by Hope Windows. Includes finish. Excludes glazing. Demo excludes cut-outs. UI=height + width		
11 98 21 00-0002			Series S10. Fixed Over Awning Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0003	UI		Maximum Security Fixed Over Awning Steel Detention Windows.....	64.93	3.94
			Note: Series S10.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0004	UI		Medium Security Fixed Over Awning Steel Detention Windows.....	62.23	3.94
			Note: Series S10.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0005			Series S20. Side Hung Operable Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0006	UI		Maximum Security Side Hung Operable Steel Detention Windows.....	68.87	3.94
			Note: Series S20.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0007	UI		Medium Security Side Hung Operable Steel Detention Windows.....	65.97	3.94
			Note: Series S20.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0008			Series S30. Fixed Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0009	UI		Maximum Security Fixed Steel Detention Windows Series S30.....	26.86	3.94
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0010	UI		Medium Security Fixed Steel Detention Windows Series S30.....	26.14	3.94
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0011			Series S40. Fixed Guard Frame Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0012	UI		Maximum Security Fixed Guard Frame Steel Detention Windows.....	51.01	3.94
			Note: Series S40.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0013	UI		Medium Security Fixed Guard Frame Steel Detention Windows.....	48.96	3.94
			Note: Series S40.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0014			Series S41 And S42. Operable Guard Frame Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0015	UI		Maximum Security Operable Guard Frame Steel Detention Windows.....	76.76	3.94
			Note: Series S41 And S42.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0016	UI		Medium Security Operable Guard Frame Steel Detention Windows.....	73.44	3.94
			Note: Series S41 And S42.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 23 Detention Window Screens <small>(11 98)</small>					
11 98 23 00-0001			Detention Window Screens <small>(11 98 23)</small>		
11 98 23 00-0002	UI		.028 Stainless Steel Detention Screen On Aluminum Frame.....	8.57	0.14
			Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
			For 0.047 Stainless Steel Screen, Add	1.41	
			For 0.054 Stainless Steel Screen, Add	2.00	
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 23 00-0003	UI		.028 Stainless Steel Detention Screen On 12 Gauge Steel Frame.....	8.57	0.14
			Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
			For 0.047 Stainless Steel Screen, Add	1.41	
			For 0.054 Stainless Steel Screen, Add	2.00	
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

11 Equipment

11 90 Other Equipment

11 98 Detention Equipment

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 98 23 00-0004	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On Aluminum Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	8.57	0.14
		<i>For <10, Add</i>	0.25	
		<i>For >50, Deduct</i>	-0.50	
11 98 23 00-0005	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On 12 Gauge Steel Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	8.57	0.14
		<i>For <10, Add</i>	0.25	
		<i>For >50, Deduct</i>	-0.50	

END OF SECTION 11

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	135.03	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part	62.38	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part	87.43	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	101.59	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	164.37	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part	123.69	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part	48.59	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part	51.75	
12 01 60 00-0010	EA Secure Seat To Floor.....	49.39	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	52.99	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add		17.48

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	11.30	0.71
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	9.16	0.71
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	9.99	0.71
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.63	0.71

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	9.49	0.71
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	11.06	0.71

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	12.71	1.50
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12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds	7.84	1.50
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	11.39	1.50

12 24 Window Shades ^(12 20)

12 24 13 Roller Window Shades ^(12 24)

12 24 13 00-0001 Roller Window Shades ^(12 24 13)

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	14.61	0.47
12 24 13 00-0004	SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	14.61	0.47

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	18.81	0.47
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12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	14.61	0.47
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12 Furnishings**12 30 Casework****12 24 Window Shades**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST12 30 Casework⁽¹²⁾12 31 Manufactured Metal Casework^(12 30)**12 31 16 Manufactured Metal Sandwich Panel Casework^(12 31)**

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets ^(12 31 16)		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets ^(12 31 16 00-0001)		
12 31 16 00-0003	18" Stainless Steel Base Cabinet ^(12 31 16 00-0002)		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,396.64	173.28
	For 16 Gauge Stainless Steel, Add	225.74	
	For >5 To 9, Deduct	-55.12	
	For >9, Deduct	-110.25	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers	2,288.45	173.28
	For 16 Gauge Stainless Steel, Add	417.48	
	For >5 To 9, Deduct	-101.94	
	For >9, Deduct	-203.89	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers	2,120.17	173.28
	For 16 Gauge Stainless Steel, Add	381.30	
	For >5 To 9, Deduct	-93.11	
	For >9, Deduct	-186.22	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers	1,951.89	173.28
	For 16 Gauge Stainless Steel, Add	345.12	
	For >5 To 9, Deduct	-84.27	
	For >9, Deduct	-168.55	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers	1,894.79	173.28
	For 16 Gauge Stainless Steel, Add	332.85	
	For >5 To 9, Deduct	-81.28	
	For >9, Deduct	-162.55	
12 31 16 00-0009	24" Stainless Steel Base Cabinet ^(12 31 16 00-0002)		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks	2,030.24	187.28
	For 16 Gauge Stainless Steel, Add	355.91	
	For >5 To 9, Deduct	-86.91	
	For >9, Deduct	-173.82	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks	1,824.91	187.28
	For 16 Gauge Stainless Steel, Add	311.77	
	For >5 To 9, Deduct	-76.13	
	For >9, Deduct	-152.26	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,869.86	187.28
	For 16 Gauge Stainless Steel, Add	321.43	
	For >5 To 9, Deduct	-78.49	
	For >9, Deduct	-156.98	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,078.84	187.28
	For 16 Gauge Stainless Steel, Add	366.36	
	For >5 To 9, Deduct	-89.46	
	For >9, Deduct	-178.92	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,712.46	187.28
	For 16 Gauge Stainless Steel, Add	502.59	
	For >5 To 9, Deduct	-122.73	
	For >9, Deduct	-245.45	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	2,984.02	187.28
	For 16 Gauge Stainless Steel, Add	560.97	
	For >5 To 9, Deduct	-136.98	
	For >9, Deduct	-273.96	
12 31 16 00-0016	30" Stainless Steel Base Cabinet ^(12 31 16 00-0002)		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,781.03	197.36
	For 16 Gauge Stainless Steel, Add	298.09	
	For >5 To 9, Deduct	-72.79	
	For >9, Deduct	-145.58	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,604.80	197.36
	For 16 Gauge Stainless Steel, Add	475.20	
	For >5 To 9, Deduct	-116.04	
	For >9, Deduct	-232.08	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,362.35	197.36
	For 16 Gauge Stainless Steel, Add	638.07	
	For >5 To 9, Deduct	-155.81	
	For >9, Deduct	-311.62	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,090.80	197.36
	For 16 Gauge Stainless Steel, Add	579.69	
	For >5 To 9, Deduct	-141.55	
	For >9, Deduct	-283.11	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	2,922.52	197.36
	For 16 Gauge Stainless Steel, Add	543.51	
	For >5 To 9, Deduct	-132.72	
	For >9, Deduct	-265.44	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks	2,239.69	197.36
	For 16 Gauge Stainless Steel, Add	396.70	
	For >5 To 9, Deduct	-96.87	
	For >9, Deduct	-193.74	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks	2,219.03	197.36
	For 16 Gauge Stainless Steel, Add	392.26	
	For >5 To 9, Deduct	-95.78	
	For >9, Deduct	-191.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31 16 00-0024			36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers	1,969.84	205.19
			For 16 Gauge Stainless Steel, Add	335.20	
			For >5 To 9, Deduct	-81.85	
			For >9, Deduct	-163.70	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	2,408.46	205.19
			For 16 Gauge Stainless Steel, Add	429.50	
			For >5 To 9, Deduct	-104.88	
			For >9, Deduct	-209.76	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	2,246.86	205.19
			For 16 Gauge Stainless Steel, Add	394.76	
			For >5 To 9, Deduct	-96.39	
			For >9, Deduct	-192.79	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,549.34	205.19
			For 16 Gauge Stainless Steel, Add	674.79	
			For >5 To 9, Deduct	-164.77	
			For >9, Deduct	-329.55	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	3,278.40	205.19
			For 16 Gauge Stainless Steel, Add	616.54	
			For >5 To 9, Deduct	-150.55	
			For >9, Deduct	-301.10	
12 31 16 00-0030			42" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,067.41	218.06
			For 16 Gauge Stainless Steel, Add	350.72	
			For >5 To 9, Deduct	-85.64	
			For >9, Deduct	-171.28	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,743.50	218.06
			For 16 Gauge Stainless Steel, Add	711.08	
			For >5 To 9, Deduct	-173.63	
			For >9, Deduct	-347.27	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,471.95	218.06
			For 16 Gauge Stainless Steel, Add	652.69	
			For >5 To 9, Deduct	-159.38	
			For >9, Deduct	-318.76	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,190.68	218.06
			For 16 Gauge Stainless Steel, Add	592.22	
			For >5 To 9, Deduct	-144.61	
			For >9, Deduct	-289.22	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock	2,441.63	218.06
			For 16 Gauge Stainless Steel, Add	431.17	
			For >5 To 9, Deduct	-105.29	
			For >9, Deduct	-210.57	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock	2,600.80	218.06
			For 16 Gauge Stainless Steel, Add	465.40	
			For >5 To 9, Deduct	-113.64	
			For >9, Deduct	-227.29	
12 31 16 00-0037			48" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,927.14	223.10
			For 16 Gauge Stainless Steel, Add	748.47	
			For >5 To 9, Deduct	-182.77	
			For >9, Deduct	-365.53	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,656.19	223.10
			For 16 Gauge Stainless Steel, Add	690.21	
			For >5 To 9, Deduct	-168.54	
			For >9, Deduct	-337.08	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,251.04	223.10
			For 16 Gauge Stainless Steel, Add	388.11	
			For >5 To 9, Deduct	-94.77	
			For >9, Deduct	-189.54	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,374.92	223.10
			For 16 Gauge Stainless Steel, Add	629.74	
			For >5 To 9, Deduct	-153.77	
			For >9, Deduct	-307.55	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock	2,786.25	223.10
			For 16 Gauge Stainless Steel, Add	503.18	
			For >5 To 9, Deduct	-122.87	
			For >9, Deduct	-245.74	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks	2,742.51	223.10
			For 16 Gauge Stainless Steel, Add	493.77	
			For >5 To 9, Deduct	-120.57	
			For >9, Deduct	-241.14	
12 31 16 00-0044			60" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	2,711.90	229.90
			For 16 Gauge Stainless Steel, Add	484.25	
			For >5 To 9, Deduct	-118.25	
			For >9, Deduct	-236.50	
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets <small>(12 31 16 00-0046)</small>		

12 Furnishings

12 30 Casework

12 31 Manufactured Metal Casework

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0048	EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,094.27 206.90 -50.52 -101.04	65.97
12 31 16 00-0049	EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,089.31 204.11 -49.84 -99.68	69.96
12 31 16 00-0050	18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0051	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,146.83 216.05 -52.76 -105.51	70.92
12 31 16 00-0052	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,080.62 201.81 -49.28 -98.56	70.92
12 31 16 00-0053	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,268.68 239.58 -58.50 -117.00	77.16
12 31 16 00-0054	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,227.97 230.82 -56.36 -112.73	77.16
12 31 16 00-0055	24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0056	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	948.67 170.21 -41.56 -83.13	78.53
12 31 16 00-0057	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,294.94 244.66 -59.74 -119.48	78.53
12 31 16 00-0058	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,229.33 230.55 -56.30 -112.59	78.53
12 31 16 00-0059	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,219.21 230.57 -56.30 -112.60	73.33
12 31 16 00-0060	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,149.34 215.54 -52.63 -105.27	73.33
12 31 16 00-0061	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,476.79 285.95 -69.82 -139.65	73.33
12 31 16 00-0062	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	868.68 155.20 -37.90 -75.80	73.33
12 31 16 00-0063	EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	817.75 145.72 -35.58 -71.17	69.96
12 31 16 00-0064	30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0065	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,683.95 326.18 -79.65 -159.30	83.40
12 31 16 00-0066	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,524.79 291.96 -71.29 -142.59	83.40
12 31 16 00-0067	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,018.74 183.16 -44.73 -89.45	83.40
12 31 16 00-0068	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,602.39 311.49 -76.06 -152.13	76.77
12 31 16 00-0069	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,443.23 277.27 -67.71 -135.41	76.77
12 31 16 00-0070	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	937.18 168.47 -41.14 -82.28	76.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	886.03 159.05 -38.84 -77.67	73.17
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,751.42 339.66 -82.94 -165.88	85.80
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,588.61 304.66 -74.39 -148.79	85.80
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,086.21 196.64 -48.02 -96.04	85.80
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,669.16 325.11 -79.39 -158.78	78.53
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,510.61 291.03 -71.06 -142.13	78.53
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,003.95 182.09 -44.46 -88.93	78.53
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	953.93 172.94 -42.23 -84.46	74.77
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,831.35 347.36 -84.82 -169.64	107.95
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,836.04 350.97 -85.70 -171.40	101.87
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,674.44 316.22 -77.22 -154.43	101.87
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,169.61 207.68 -50.71 -101.43	101.87
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,733.56 335.93 -82.03 -164.06	85.56
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,573.18 301.45 -73.61 -147.22	85.56
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,068.35 192.91 -47.11 -94.21	85.56
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,608.21 298.45 -72.88 -145.75	107.95
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,902.21 364.20 -88.93 -177.87	104.12
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,743.04 329.98 -80.58 -161.15	104.12
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,237.00 221.18 -54.01 -108.02	104.12
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... For 16 Gauge Stainless Steel, Add For >5 To 9, Deduct For >9, Deduct	1,799.46 349.72 -85.40 -170.80	86.36

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,640.91	86.36
			<i>For 16 Gauge Stainless Steel, Add</i>	315.64	
			<i>For >5 To 9, Deduct</i>	-77.07	
			<i>For >9, Deduct</i>	-154.15	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,134.25	86.36
			<i>For 16 Gauge Stainless Steel, Add</i>	206.70	
			<i>For >5 To 9, Deduct</i>	-50.47	
			<i>For >9, Deduct</i>	-100.95	
12 31 16 00-0096			Accessories (12 31 16 00-0001)		
12 31 16 00-0097			Stainless Steel Countertops (12 31 16 00-0096)		
			Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash	87.25	4.40
			<i>For 14 Gauge Stainless Steel, Add</i>	17.34	
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash	79.91	4.40
			<i>For 14 Gauge Stainless Steel, Add</i>	15.72	
12 31 16 00-0100	EA		Cutout For Sink And/Or Faucet In Stainless Steel Countertop	118.13	
12 31 16 00-0101			Stainless Steel Wall Panels (12 31 16 00-0096)		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel	26.78	6.56
			<i>For 18 Gauge Stainless Steel, Add</i>	3.71	
			<i>For 16 Gauge Stainless Steel, Add</i>	7.15	
12 31 16 00-0103			Pedestal Legs (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg	239.51	10.00
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	261.91	19.70
12 35			Specialty Casework (12 30)		
12 35 70			Healthcare Casework (12 35)		
12 35 70 19			Exam Room Casework (12 35 70)		
12 35 70 19-0001			Medical Exam Room Cabinetwork (12 35 70 19)		
12 35 70 19-0002			Medical Exam Room Wall Cabinets (12 35 70 19-0001)		
12 35 70 19-0003			Medical Exam Room Wall Cabinets (Clinton Industries®) (12 35 70 19-0002)		
			Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.		
12 35 70 19-0004	EA		24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212).....	362.97	24.41
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	75.62	
12 35 70 19-0005	EA		24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224).....	395.63	24.41
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	75.62	
12 35 70 19-0006	EA		36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236).....	643.86	31.89
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	75.91	
12 35 70 19-0007	EA		42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242).....	701.44	33.47
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	75.98	
12 35 70 19-0008	EA		48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248).....	774.60	35.84
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	76.07	
12 35 70 19-0009	EA		54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254).....	875.74	38.20
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock For Single Door/Drawer, Add</i>	51.27	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	76.16	
12 35 70 19-0010	EA		66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266).....	1,008.77	40.96
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock For Single Door/Drawer, Add</i>	51.38	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	76.27	
12 35 70 19-0011	EA		72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272).....	1,067.93	43.32
			<i>For Additional Shelf, Add</i>	32.66	
			<i>For Lock For Single Door/Drawer, Add</i>	51.48	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	76.37	
12 35 70 19-0012			Medical Exam Room Base Cabinets (12 35 70 19-0001)		
12 35 70 19-0013			Medical Exam Room Base Cabinets (Ritter®) (12 35 70 19-0012)		
			Note: Include polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.		
12 35 70 19-0014	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060).....	1,216.87	60.25
			<i>For Lock For Single Door/Drawer, Add</i>	52.15	
			<i>For Soft Edge Top, Add</i>	381.01	
12 35 70 19-0015	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001).....	1,258.86	60.25
			<i>For Lock For Single Door/Drawer, Add</i>	52.15	
			<i>For Soft Edge Top, Add</i>	381.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0016	EA		24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)..... For Lock For Single Door/Drawer, Add For Soft Edge Top, Add	1,414.38 52.15 381.01	60.25
12 35 70 19-0017	EA		24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)..... For Lock For Single Door/Drawer, Add For Soft Edge Top, Add	1,426.82 52.15 381.01	60.25
12 35 70 19-0018	EA		24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)..... For Lock For Single Door/Drawer, Add For Soft Edge Top, Add	1,613.44 52.15 381.01	60.25
12 35 70 19-0019			Medical Exam Room Base Cabinets (Clinton Industries®) (12 35 70 19-0012) Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.		
12 35 70 19-0020	EA		24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)..... Note: Includes stainless steel sink and faucet. For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	624.56 32.66 53.66 78.55	98.44
12 35 70 19-0021	EA		24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	851.41 32.66 52.15 77.04	60.25
12 35 70 19-0022	EA		36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	1,231.84 32.66 52.44 77.33	67.73
12 35 70 19-0023	EA		42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	1,333.06 32.66 52.66 77.55	73.24
12 35 70 19-0024	EA		48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	1,454.61 32.66 53.04 77.93	82.69
12 35 70 19-0025	EA		54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	1,752.56 32.66 53.27 78.16	88.60
12 35 70 19-0026	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	1,937.00 32.66 53.51 78.40	94.51
12 35 70 19-0027	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)..... Note: Includes stainless steel sink and faucet. For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	2,057.86 32.66 55.22 80.11	137.82
12 35 70 19-0028	EA		72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)..... For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	2,065.45 32.66 53.74 78.63	100.41
12 35 70 19-0029	EA		72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)..... Note: Includes stainless steel sink and faucet. For Additional Shelf, Add For Lock For Single Door/Drawer, Add For Lock And Inside Latch Combo For Double Doors, Add	2,359.75 32.66 55.53 80.42	145.70
12 35 70 19-0030			Medical Exam Room Cabinet Combinations (12 35 70 19-0001)		
12 35 70 19-0031			Medical Exam Room Cabinet Combinations (Ritter®) (12 35 70 19-0030) Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)..... For Locks On Single Drawer And All Doors, Add	1,971.82 493.78	118.13
12 35 70 19-0033	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)..... For Locks On Single Drawer And All Doors, Add	2,032.47 493.78	118.13
12 35 70 19-0034	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)..... Note: Includes stainless steel sink and faucet. For Locks On Single Drawer And All Doors, Add	2,468.71 495.66	149.63
12 35 70 19-0035	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)..... Note: Includes stainless steel sink and faucet. For Locks On Single Drawer And All Doors, Add	2,555.80 495.66	149.63
12 35 70 19-0036	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)..... For Locks On Single Drawer And All Doors, Add	2,281.30 493.78	118.13

12 Furnishings

12 30 Casework

12 35 Specialty Casework

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	2,343.51		118.13
		<i>For Locks On Single Drawer And All Doors, Add</i>	493.78		
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	2,963.25		149.63
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	495.66		
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	3,022.35		149.63
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	495.66		
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	2,589.22		118.13
		<i>For Locks On Single Drawer And All Doors, Add</i>	493.78		
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	2,654.54		118.13
		<i>For Locks On Single Drawer And All Doors, Add</i>	493.78		
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	3,272.73		149.63
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	495.66		
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	3,336.49		149.63
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	495.66		
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	2,931.75		133.89
		<i>For Locks On Single Drawer And All Doors, Add</i>	494.72		
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	2,990.85		133.89
		<i>For Locks On Single Drawer And All Doors, Add</i>	494.72		
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	3,613.70		165.39
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	496.59		
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	3,683.68		165.39
		Note: Includes stainless steel sink and faucet.			
		<i>For Locks On Single Drawer And All Doors, Add</i>	496.59		

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash.....	13.62		7.87
12 36 23 13-0003	SF	Plastic Laminate Countertop With Backsplash.....	17.75		7.87
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops.....	15.82		2.36
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	65.63		

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0002	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	51.59		7.87
12 36 61 16-0003	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	56.31		7.87
12 36 61 16-0004	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops.....	19.10		3.35
12 36 61 16-0005	EA	Cutout For Undercounter Sink In Solid Surface Countertop.....	118.13		

Note: Not including integral seamed sinks

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	78.38		17.33
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	95.63		17.33
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	87.47		20.16
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	104.70		20.16
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	14.09		3.35
12 36 61 19-0007	EA	Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	118.13		

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	689.09		85.22
12 55 13 00-0002	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	585.36		85.22
12 55 13 00-0003	EA	Double Bunk Bed, 75" x 27", Up To 20.....	1,085.51		127.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 55 13 00-0004	EA		Double Bunk Bed, 75" x 27", Over 20.....	981.78	127.84
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12 55 16 Detention Desks (12 55)

12 55 16 00-0001	EA		Institutional Desk And Seat, Up To 20.....	896.55	85.22
12 55 16 00-0002	EA		Institutional Desk And Seat, Over 20.....	792.82	85.22
12 55 16 00-0003	EA		Institutional Desk, Up To 20.....	792.82	85.22
12 55 16 00-0004	EA		Institutional Desk, Over 20.....	689.09	85.22

12 55 19 Detention Stools (12 55)

12 55 19 00-0001	EA		Floor Mounted Stool, 8" x 8" x 20"H, Up To 20.....	240.26	34.09
12 55 19 00-0002	EA		Floor Mounted Stool, 8" x 8" x 20"H, Over 20.....	256.96	34.09
12 55 19 00-0003	EA		Wall Mounted Swivel Stool, Up To 20.....	334.17	42.62
12 55 19 00-0004	EA		Wall Mounted Swivel Stool, Over 20.....	271.93	42.62

12 55 23 Detention Tables (12 55)

12 55 23 00-0001	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,436.51	98.01
12 55 23 00-0002	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,229.05	98.01
12 55 23 00-0003	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,868.47	106.52
12 55 23 00-0004	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,661.01	106.52
12 55 23 00-0005	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,715.37	115.05
12 55 23 00-0006	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,300.45	115.05
12 55 23 00-0007	EA		Picnic Table, 72" x 24" Up To 20.....	1,678.07	115.05
12 55 23 00-0008	EA		Picnic Table, 72" x 24" Over 20.....	1,470.61	115.05

12 55 26 Detention Safety Clothes Hooks (12 55)

12 55 26 00-0001	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20.....	275.64	34.09
12 55 26 00-0002	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20.....	223.78	34.09
12 55 26 00-0003	EA		Safety Clothes Hook, Up To 20.....	110.96	19.17
12 55 26 00-0004	EA		Safety Clothes Hook, Over 20.....	131.60	19.17
12 55 26 00-0005	EA		Front Mounted 12" x 16" Stainless Steel Mirror (Acorn 1811).....	378.23	36.86
12 55 26 00-0006	EA		Front Mounted Auto-Release Clothes Hook, Acorn 1828.....	383.08	27.64

12 55 86 Detention Control Room Furniture (12 55)

12 55 86 00-0001	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20.....	542.76	63.92
12 55 86 00-0002	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20.....	490.90	63.92
12 55 86 00-0003	EA		Speaking Device With 6" Diameter Stainless Steel Cover Plates.....	1,295.89	25.57
			Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0004	EA		1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks.....	561.27	21.30
12 55 86 00-0005	LF		20" Depth, 10 Gauge Steel, Wall Mounted Bench.....	274.52	12.79
12 55 86 00-0006	LF		20" Depth, 10 Gauge Steel, Floor Mounted Bench.....	332.49	10.66

12 60 Multiple Seating (12)

12 61 Fixed Audience Seating (12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating (12 61)

12 61 13 00-0001 Upholstered Audience Seating (12 61 13)

12 61 13 00-0002	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	560.87	34.38
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-72.92	
			For >249 To 749, Deduct	-87.50	
			For >749, Deduct	-97.22	
			For Up To 9, Add	792.38	
			For >9 To 24, Add	315.98	
			For Expansion Anchor Mounting With Anchor Caps, Add	18.81	
			For Epoxy Anchor Mounting With Anchor Caps, Add	22.99	
12 61 13 00-0003	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	592.79	34.38
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-77.71	
			For >249 To 749, Deduct	-93.25	
			For >749, Deduct	-103.61	
			For Up To 9, Add	792.60	
			For >9 To 24, Add	316.00	
			For Expansion Anchor Mounting With Anchor Caps, Add	18.81	
			For Epoxy Anchor Mounting With Anchor Caps, Add	22.99	

12 Furnishings**12 60 Multiple Seating****12 61 Fixed Audience Seating**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	739.07	34.38
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For >100 To 249, Deduct</i>	-99.65	
		<i>For >249 To 749, Deduct</i>	-119.58	
		<i>For >749, Deduct</i>	-132.86	
		<i>For Up To 9, Add</i>	797.18	
		<i>For >9 To 24, Add</i>	318.87	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	770.85	34.38
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		<i>For >100 To 249, Deduct</i>	-104.42	
		<i>For >249 To 749, Deduct</i>	-125.30	
		<i>For >749, Deduct</i>	-139.22	
		<i>For Up To 9, Add</i>	793.55	
		<i>For >9 To 24, Add</i>	320.21	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	486.32	34.38
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For >100 To 249, Deduct</i>	-61.74	
		<i>For >249 To 749, Deduct</i>	-74.08	
		<i>For >749, Deduct</i>	-82.31	
		<i>For Up To 9, Add</i>	794.33	
		<i>For >9 To 24, Add</i>	316.91	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	492.70	34.38
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For >100 To 249, Deduct</i>	-62.69	
		<i>For >249 To 749, Deduct</i>	-75.23	
		<i>For >749, Deduct</i>	-83.59	
		<i>For Up To 9, Add</i>	794.11	
		<i>For >9 To 24, Add</i>	317.64	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	520.11	34.38
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For >100 To 249, Deduct</i>	-66.80	
		<i>For >249 To 749, Deduct</i>	-80.16	
		<i>For >749, Deduct</i>	-89.07	
		<i>For Up To 9, Add</i>	792.74	
		<i>For >9 To 24, Add</i>	316.21	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	

12 61 16 Molded-Plastic Audience Seating (12 61)**12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)**

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	364.28	34.38
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		<i>For >100 To 249, Deduct</i>	-43.43	
		<i>For >249 To 749, Deduct</i>	-52.12	
		<i>For >749, Deduct</i>	-57.91	
		<i>For Up To 9, Add</i>	793.31	
		<i>For >9 To 24, Add</i>	318.48	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	412.57	34.38
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		<i>For >100 To 249, Deduct</i>	-50.67	
		<i>For >249 To 749, Deduct</i>	-60.81	
		<i>For >749, Deduct</i>	-67.56	
		<i>For Up To 9, Add</i>	793.88	
		<i>For >9 To 24, Add</i>	317.55	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	

12 61 19 Plywood/Hardwood Audience Seating (12 61)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	573.64	34.38
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For >100 To 249, Deduct</i>	-74.83	
		<i>For >249 To 749, Deduct</i>	-89.80	
		<i>For >749, Deduct</i>	-99.78	
		<i>For Up To 9, Add</i>	793.24	
		<i>For >9 To 24, Add</i>	319.29	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	624.50	34.38
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For >100 To 249, Deduct</i>	-82.46	
		<i>For >249 To 749, Deduct</i>	-98.96	
		<i>For >749, Deduct</i>	-109.95	
		<i>For Up To 9, Add</i>	797.14	
		<i>For >9 To 24, Add</i>	318.86	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	18.81	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	22.99	

12 61 21 Fixed Audience Seating Accessories (12 61)

12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	203.10	
		<i>For >100 To 249, Deduct</i>	-29.34	
		<i>For >249 To 749, Deduct</i>	-35.21	
		<i>For >749, Deduct</i>	-39.12	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	206.87	
		<i>For >100 To 249, Deduct</i>	-29.91	
		<i>For >249 To 749, Deduct</i>	-35.89	
		<i>For >749, Deduct</i>	-39.88	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	216.68	
		<i>For >100 To 249, Deduct</i>	-31.38	
		<i>For >249 To 749, Deduct</i>	-37.66	
		<i>For >749, Deduct</i>	-41.84	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	203.10	
		<i>For >100 To 249, Deduct</i>	-29.34	
		<i>For >249 To 749, Deduct</i>	-35.21	
		<i>For >749, Deduct</i>	-39.12	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	217.51	
		<i>For >100 To 249, Deduct</i>	-31.50	
		<i>For >249 To 749, Deduct</i>	-37.81	
		<i>For >749, Deduct</i>	-42.01	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	16.86	

12 66 Telescoping Stands (12 66)

12 66 13 Telescoping Bleachers (12 66)

12 66 13 00-0001 Wall Mounted Telescoping Bleachers (12 66 13)

Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....	193.40	15.37
		<i>For Aluminum Seating And Walks, Add</i>	69.30	
		<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
		<i>For >200 To 300, Deduct</i>	-4.00	
		<i>For >300 To 400, Deduct</i>	-8.00	
		<i>For >400 To 500, Deduct</i>	-12.00	
		<i>For >500, Deduct</i>	-16.00	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	220.70	20.02
		<i>For Aluminum Seating And Walks, Add</i>	80.17	
		<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
		<i>For >200 To 300, Deduct</i>	-4.00	
		<i>For >300 To 400, Deduct</i>	-8.00	
		<i>For >400 To 500, Deduct</i>	-12.00	
		<i>For >500, Deduct</i>	-16.00	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	250.67	20.64
		<i>For Aluminum Seating And Walks, Add</i>	92.23	
		<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
		<i>For >200 To 300, Deduct</i>	-4.00	
		<i>For >300 To 400, Deduct</i>	-8.00	
		<i>For >400 To 500, Deduct</i>	-12.00	
		<i>For >500, Deduct</i>	-16.00	

12 Furnishings

12 60 Multiple Seating

12 66 Telescoping Stands



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 66 13 00-0005	SEA 3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	272.80	21.12
	For Aluminum Seating And Walks, Add	100.77	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0006	SEA 11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	199.13	15.37
	For Aluminum Seating And Walks, Add	71.88	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0007	SEA 11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	232.06	20.02
	For Aluminum Seating And Walks, Add	85.28	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0008	SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	266.06	20.64
	For Aluminum Seating And Walks, Add	99.16	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0009	SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	292.41	21.12
	For Aluminum Seating And Walks, Add	109.60	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0010	SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	204.92	15.37
	For Aluminum Seating And Walks, Add	74.48	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0011	SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	243.41	20.02
	For Aluminum Seating And Walks, Add	90.39	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0012	SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	281.61	20.64
	For Aluminum Seating And Walks, Add	106.16	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0013	SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	330.02	21.12
	For Aluminum Seating And Walks, Add	118.37	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	

12 66 13 00-0014 Portable Telescoping Bleachers (12 66 13)

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 66 13 00-0015	SEA		3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	215.99	15.37
			For Aluminum Seating And Walks, Add	79.47	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0016	SEA		3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	247.42	20.02
			For Aluminum Seating And Walks, Add	92.19	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0017	SEA		3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	281.42	20.64
			For Aluminum Seating And Walks, Add	106.07	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0018	SEA		3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	306.39	21.12
			For Aluminum Seating And Walks, Add	115.89	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	

12 66 13 00-0019 Options And Accessories (12 66 13)

12 66 13 00-0020	EA		Removable Center Railing, Single Sphere	156.61	2.76
12 66 13 00-0021	LF		Removable Center Railing, Single Rail.....	52.49	2.76
12 66 13 00-0022	EA		Self Storing Side Railing.....	177.14	3.15
12 66 13 00-0023	LF		Rear Railing, Horizontal Or Vertical Rails.....	123.69	3.04
12 66 13 00-0024	SF		Rear Panel, Plywood With Metal Frame, Trim And Finish.....	10.96	0.79
12 66 13 00-0025	SF		End Panel, Plywood With Metal Frame, Trim And Finish	27.92	0.79
12 66 13 00-0026	SF		Rear Filler Panel.....	40.71	0.39
12 66 13 00-0027	EA		4' Scorer/Timer Table	326.33	13.40
12 66 13 00-0028	EA		8' Scorer/Timer Table	410.02	20.49
12 66 13 00-0029	EA		Portable Tractor For Wall Mounted Units.....	7,781.07	
12 66 13 00-0030	PR		Portable Dolly For Portable Units.....	8,728.00	
12 66 13 00-0031	SEA		For Each Additional Floor Above Or Below First Floor, Add For Installation	2.39	
12 66 13 00-0032	SEA		For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.20	
12 66 13 00-0033	ROW		48" Aisle, 24" - 26" Row, With Non Slip Tread.....	134.20	23.64
			For Intermediate Steps, Add	13.42	
12 66 13 00-0034	ROW		48" Aisle, 28" - 33" Row, With Non Slip Tread.....	372.68	31.52
			For Intermediate Steps, Add	37.27	
12 66 13 00-0035	ROW		Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread	110.42	9.85
12 66 13 00-0036	ROW		Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread	79.48	9.85
12 66 13 00-0037	EA		Single Handicap Cutout Seating With Railing.....	511.17	29.55
12 66 13 00-0038	EA		Double Handicap Cutout Seating With Railing.....	1,055.08	43.34
12 66 13 00-0039	EA		Portable Operator's Handle	298.90	
12 66 13 00-0040	EA		Vent Grills, One Pair.....	332.38	23.64

END OF SECTION 12

12 Furnishings

12 60 Multiple Seating

12 66 Telescoping Stands

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 Special Construction

13 20 Special Purpose Rooms ⁽¹³⁾

13 26 Fabricated Rooms ^(13 20)

13 26 00 00-0001 Protection Padding System ^(13 26)

13 26 00 00-0002	SF	Synthetic Resinous Safety Padding System.....	91.39	7.94
Note: For cells or detention areas. System includes resinous padding adhered to 7/16" OSB, sealant, finish coat, primer, and all fasteners. Average nominal thickness: Walls 1 1/2", Sloped Floor 1", Flat Floor 1/2".				

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 19 Metal Building Systems ^(13 34)

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0002 for metal building options.

13 34 19 00-0002 Metal Building Options ^(13 34 19 00-0001)

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.

13 34 19 00-0003 Insulation For Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	0.98	0.22
13 34 19 00-0005	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.10	0.22
13 34 19 00-0006	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.26	0.29
13 34 19 00-0007	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.47	0.29
13 34 19 00-0008	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.90	0.29
13 34 19 00-0009	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.24	0.22
13 34 19 00-0010	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.36	0.22
13 34 19 00-0011	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.47	0.29
13 34 19 00-0012	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.63	0.29
13 34 19 00-0013	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.98	0.29
13 34 19 00-0014	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.16	0.22
13 34 19 00-0015	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.31	0.22
13 34 19 00-0016	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.57	0.29
13 34 19 00-0017	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.73	0.29
13 34 19 00-0018	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.06	0.29
13 34 19 00-0019	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.06	0.22
13 34 19 00-0020	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.13	0.22
13 34 19 00-0021	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.28	0.29
13 34 19 00-0022	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.62	0.29
13 34 19 00-0023	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.08	0.22
13 34 19 00-0024	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.15	0.22
13 34 19 00-0025	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.31	0.29
13 34 19 00-0026	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.67	0.29
13 34 19 00-0027	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.51	0.22
13 34 19 00-0028	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.62	0.22
13 34 19 00-0029	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.77	0.29
13 34 19 00-0030	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.13	0.29

13 34 19 00-0031 Erected Pre-Engineered Metal Buildings ^(13 34 19)

Note: 5/12 Gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge standing seam roof panels. Building span is 80' clear. Includes crane for erection. Excludes foundations, slab, doors, windows or insulation.

13 34 19 00-0032 Maintenance Center Buildings ^(13 34 19 00-0031)

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0033	SF	2,500 SF And Under Maintenance Center Building, 16' Eave Height.....	44.81	
13 34 19 00-0034	SF	>2,500 To 5,000 SF Maintenance Center Building, 16' Eave Height.....	41.73	
13 34 19 00-0035	SF	>5,000 To 7,500 SF Maintenance Center Building, 16' Eave Height.....	38.14	
13 34 19 00-0036	SF	>7,500 To 10,000 SF Maintenance Center Building, 16' Eave Height.....	36.27	
13 34 19 00-0037	SF	>10,000 To 15,000 SF Maintenance Center Building, 16' Eave Height.....	33.64	

13 34 19 00-0038 Erected Pre-Engineered Wood Frame Metal Buildings ^(13 34 19)

Note: 6" Laminated yellow pine timber columns, wood framed webbed trusses 5/12 gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge 2" standing seam roof panels. Building span is 60' clear. Includes concrete piers and crane for erection. Excludes doors, windows or insulation.

13 34 19 00-0039 Wood Frame Equipment Storage Structures ^(13 34 19 00-0038)

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0040	SF	Up To 2,500 SF Wood Frame Structure, 16' Eave Height.....	33.13	
13 34 19 00-0041	SF	>2,500 To 5,000 SF Wood Frame Structure, 16' Eave Height.....	30.93	

13 Special Construction

13 30 Special Structures

13 34 Fabricated Engineered Structures

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0042 SF >5,000 To 7,500 SF Wood Frame Structure, 16' Eave Height.....	28.19	
13 34 19 00-0043 SF >7,500 To 10,000 SF Wood Frame Structure, 16' Eave Height.....	26.79	
13 34 19 00-0044 SF >10,000 To 15,000 SF Wood Frame Structure, 16' Eave Height.....	24.82	

13 40 Integrated Construction (13)

13 47 Facility Protection (13 40)

13 47 13 Cathodic Protection (13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)

13 47 13 13-0001 Anodes (13 47 13 13)

13 47 13 13-0002 Magnesium Type, Conventional (13 47 13 13-0001)

13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	286.20	123.43
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	425.70	178.40
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	584.31	229.51
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	833.19	321.11

13 47 13 13-0007 Graphite Type (13 47 13 13-0001)

Note: Includes epoxy cap.

13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	418.43	167.19
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	660.89	233.47
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	507.36	146.11
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	787.33	195.06

13 47 13 13-0012 Rectifiers (13 47 13 13)

13 47 13 13-0013 Air Cooled, Silicon Type (13 47 13 13-0012)

13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,627.97	237.61
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	1,771.77	237.61

13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)

13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	2,499.87	274.73
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	2,653.95	274.73

13 47 13 13-0019 Anode Backfill (13 47 13 13)

13 47 13 13-0020 LB Anode Backfill, Coke Breeze	0.80	0.30
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13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)

13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	1,528.53	584.43
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	1,687.93	584.43
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	1,927.04	584.43
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	2,325.55	584.43
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	2,879.61	643.92
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	3,178.49	643.92
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	3,676.63	643.92
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	4,987.63	701.92

13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)

13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	220.98	68.48
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13 47 13 16 Cathodic Protection for Underground Storage Tanks (13 47 13)

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control (13 40)

13 48 53 Manufactured Seismic Control Components (13 48)

13 48 53 00-0001 Seismic Bracing Assembly (13 48 53)

13 48 53 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	124.55	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 53 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	113.53	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	168.88	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	218.26	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	233.98	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	346.57	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	459.15	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 53 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	143.17	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	210.35	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	277.53	
13 48 53 00-0012		Seismic Brace Components <small>(13 48 53)</small>		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1..... Note: To be used with 7x19 stranded cable.	22.95	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	32.06	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	43.00	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	59.39	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	21.46	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	29.48	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	39.22	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	53.55	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	26.33	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	35.21	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	49.54	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	47.24	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	67.01	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	91.94	
13 48 53 00-0027	EA	Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	19.75	
13 48 53 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	24.34	
13 48 53 00-0029	EA	Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	30.64	

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 48 Sound, Vibration, and Seismic Control



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	289.95
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	434.93
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	289.95
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	289.95
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	289.95
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	142.06
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	284.13
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,034.52
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,034.52
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,034.52
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,034.52
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	775.89
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,069.03
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,069.03
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,069.03
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,069.03
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,551.77
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,648.56
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,648.56
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,648.56
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,648.56
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,648.56

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	24,544.87	6,448.36
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	6,692.53	
		Note: Includes Pump.		
		For An Additional Stop, Add	6,879.57	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	27,690.43	7,791.77
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	6,757.47	
		Note: Includes Pump.		
		For An Additional Stop, Add	7,262.57	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	36,826.99	10,747.27
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	7,796.43	
		Note: Includes Pump.		
		For An Additional Stop, Add	9,125.57	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	3,980.33	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	41.23	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	408.77	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	2,954.95	537.36
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	2,534.17	537.36
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	5,763.84	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	6,283.32	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	6,097.61	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	6,617.09	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate	65.54	15.35
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate	56.32	15.35
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,858.84	537.36
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	17,151.35	2,686.82
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,778.32	537.36
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	367.38	268.68
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	327.12	268.68
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	455.69	268.68
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	1,982.22	537.36
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	466.08	268.68
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	327.12	268.68
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL)	547.90	268.68
14 01 20 71-0049	EA	Fire Service Key Switch Controller	2,793.91	537.36
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech)	1,332.02	268.68
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL)	6,302.10	1,074.73

14 Conveying Equipment
14 01 Operation and Maintenance of Conveying Equipment
14 01 20 Operation and Maintenance of Elevators

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052 EA Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	6,470.93	1,074.73
14 01 20 71-0053 EA Car Door Safety Edge (Infrared Proximity Type Edge)	1,385.27	268.68
14 01 20 71-0054 EA Car Operating Panel (ADA, Fire, Position, Chime)	6,341.06	1,074.73
14 01 20 71-0055 EA Car Position LED Indicator And Cover Plate, Stainless Steel	1,780.07	268.68
14 01 20 71-0056 EA Car Traveling Lanterns With Audible Signal	1,195.66	268.68
14 01 20 71-0057 EA Hoistway Door Jamb Floor Tags (Braille)	181.09	134.34
14 01 20 71-0058 EA Lobby Vandal Resistant Call Station.....	1,130.73	268.68
14 01 20 71-0059 LF Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	15.01	
Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0060 EA Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	4,298.91	2,149.45
Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.		
14 01 20 71-0061 LF Governor Cable.....	1.17	
Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0062 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels)	4,209.49	537.36
14 01 20 71-0063 EA Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	6,547.15	537.36
14 01 20 71-0064 EA Removal And Replacement Of Governor.....	3,975.72	537.36
14 01 20 71-0065 EA Removal And Replacement Of Car Station.....	6,341.06	1,074.73
14 01 20 71-0066 EA Removal And Replacement Of Telephone.....	1,332.02	268.68
14 01 20 71-0067 EA Removal And Replacement Of Lanterns (Hall)	1,260.59	268.68
14 01 20 71-0068 EA Hall Call Buttons, Vandal Resistant	1,065.79	268.68
14 01 20 71-0069 EA Hall Traveling Lanterns With Audible Signal	1,260.59	268.68
14 01 20 71-0070 EA Add Raised Character (Braille) Signage To Control Panel	149.53	134.34
14 01 20 71-0071 EA New Microprocessor Based Controller (Non-Proprietary).....	31,123.66	4,298.91
14 01 20 71-0072 EA New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab	19,435.36	4,298.91
14 01 20 71-0073 EA New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab	30,227.77	4,298.91
14 01 20 71-0074 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	2,391.31	
14 01 20 71-0075 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	2,521.18	
14 01 20 71-0076 EA Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	2,664.04	
14 01 20 71-0077 EA Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	2,819.88	
14 01 20 71-0078 EA Elevator Pit Ladder, Steel	1,455.40	268.68
Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0079 EA New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	37,572.03	4,298.91
14 01 20 71-0080 LF Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	108.65	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0081 LF Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	109.10	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082 LF Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	109.52	
Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083 EA Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	6,843.25	537.36
14 01 20 71-0084 EA 6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,780.92	537.36
Note: Cladding typically done by metal company.		
14 01 20 71-0085 EA 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,845.85	537.36
Note: Cladding typically done by metal company.		
14 01 20 71-0086 EA 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,910.79	537.36
Note: Cladding typically done by metal company.		
14 01 20 71-0087 EA 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,988.71	537.36
Note: Cladding typically done by metal company.		
14 01 20 71-0088 EA "Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	6,157.54	537.36
14 01 20 71-0089 EA "Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	6,157.54	537.36
14 01 20 71-0090 EA "Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	8,754.94	537.36
14 01 20 71-0091 EA "Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	10,053.64	537.36
14 01 20 71-0092 EA 60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,085.32	135.63
14 01 20 71-0093 EA 100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,237.75	162.76
14 01 20 71-0094 EA 200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,322.02	189.89
14 01 20 71-0095 EA Aluminum Handrail Spacers With Set Screw	161.31	134.34
14 01 20 71-0096 EA Bronze Handrail Spacers With Set Screw.....	164.91	134.34
14 01 20 71-0097 LF 1/2" x 2" Round Stainless Steel Elevator Handrail.....	110.62	31.62
14 01 20 71-0098 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	106.39	31.62
14 01 20 71-0099 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	126.18	31.62
14 01 20 71-0100 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	139.58	31.62
14 01 20 71-0101 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	159.53	31.62
14 01 20 71-0102 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	128.67	31.62
14 01 20 71-0103 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	146.28	31.62
14 01 20 71-0104 LF 3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	227.09	31.62
14 01 20 71-0105 LF 3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	255.04	31.62
14 01 20 71-0106 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	105.71	31.62
14 01 20 71-0107 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	106.79	31.62
14 01 20 71-0108 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	136.05	31.62
14 01 20 71-0109 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	127.43	31.62
14 01 20 71-0110 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	136.62	31.62
14 01 20 71-0111 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	170.92	31.62
14 01 20 71-0112 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	131.79	31.62
14 01 20 71-0113 LF 3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	134.75	31.62
14 01 20 71-0114 LF 3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	224.99	31.62
14 01 20 71-0115 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	148.00	31.62
14 01 20 71-0116 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	225.56	31.62
14 01 20 71-0117 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	255.04	31.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA		Electric Traction Freight Elevator, 4,000 LB x 200 FPM	371,974.14	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional Stop, Add	30,887.71	
			For Each Floor < 6 Stops, Deduct	-26,668.06	
			For Each Additional 50 FPM, Add	6,000.00	
			For Removal Of Existing Elevator, Add	33,781.55	
14 21 13 00-0003	EA		Electric Traction Freight Elevator, 5,000 LB x 200 FPM	398,923.47	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	1,666.00	
			For Class "C-2" Loading, Add	2,000.00	
			For Class "C-3" Loading, Add	2,736.00	
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional Stop, Add	30,887.71	
			For Each Floor < 6 Stops, Deduct	-26,668.06	
			For Each Additional 50 FPM, Add	6,000.00	
			For Removal Of Existing Elevator, Add	33,781.55	
14 21 13 00-0004	EA		Electric Traction Freight Elevator, 6,000 LB x 200 FPM	425,872.79	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	3,332.00	
			For Class "C-2" Loading, Add	4,000.00	
			For Class "C-3" Loading, Add	5,544.00	
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional Stop, Add	31,890.78	
			For Each Additional 50 FPM, Add	6,000.00	
			For Each Opening With Bonderized Steel Door, Add	300.00	
			For Each Opening With Stainless Steel Doors, Add	600.00	
			For Each Opening With Two Speed Doors, Add	700.00	
			For Removal Of Existing Elevator, Add	33,781.55	
			For Each Floor < 6 Stops, Deduct	-27,668.06	
14 21 13 00-0005	EA		Electric Traction Freight Elevator, 7,000 LB x 200 FPM	439,332.20	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Class "C-1" Loading, Add	3,332.00	
			For Class "C-2" Loading, Add	4,000.00	
			For Class "C-3" Loading, Add	5,544.00	
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional Stop, Add	31,890.78	
			For Each Additional 50 FPM, Add	6,000.00	
			For Each Opening With Bonderized Steel Door, Add	300.00	
			For Each Opening With Stainless Steel Doors, Add	600.00	
			For Each Opening With Two Speed Doors, Add	700.00	
			For Removal Of Existing Elevator, Add	33,781.55	
			For Each Floor < 6 Stops, Deduct	-27,668.06	
14 21 13 00-0006	EA		Electric Traction Freight Elevator, 8,000 LB x 200 FPM	452,791.06	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional 50 FPM, Add	10,000.00	
			For Class "C-1" Loading, Add	6,666.00	
			For Class "C-2" Loading, Add	8,000.00	
			For Class "C-3" Loading, Add	10,944.00	
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional Stop, Add	31,890.78	
			For Each Opening With Bonderized Steel Door, Add	400.00	
			For Each Opening With Stainless Steel Doors, Add	700.00	
			For Each Opening With Two Speed Doors, Add	800.00	
			For Custom Plastic Laminated Cab Interiors, Add	6,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00	
			For Stainless Steel Cab Interior, Add	10,000.00	
			For Removal Of Existing Elevator, Add	33,781.55	
			For Each Floor < 6 Stops, Deduct	-27,668.06	

14 Conveying Equipment

14 20 Elevators

14 21 Electric Traction Elevators



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM	468,834.75	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-1" Loading, Add</i>	6,666.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Class "C-3" Loading, Add</i>	10,944.00	
		<i>For Removal Of Existing Stop, Add</i>	6,756.31	
		<i>For Each Additional Stop, Add</i>	31,890.78	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	33,781.55	
		<i>For Each Floor < 6 Stops, Deduct</i>	-27,668.06	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM	481,761.11	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-1" Loading, Add</i>	6,666.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Class "C-3" Loading, Add</i>	10,944.00	
		<i>For Removal Of Existing Stop, Add</i>	6,756.31	
		<i>For Each Additional Stop, Add</i>	31,890.78	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	800.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	10,000.00	
		<i>For Removal Of Existing Elevator, Add</i>	33,781.55	
		<i>For Each Floor < 6 Stops, Deduct</i>	-27,668.06	

14 21 23 Electric Traction Passenger Elevators (14 21)

14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)

14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM	296,439.51	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	3,377.54	
		<i>For Each Additional Stop, Add</i>	30,887.71	
		<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
		<i>For Removal Of Existing Elevator, Add</i>	25,331.58	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM	304,168.98	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	3,377.54	
		<i>For Each Additional Stop, Add</i>	30,887.71	
		<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
		<i>For Removal Of Existing Elevator, Add</i>	25,331.58	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM	310,315.17	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	3,377.54	
		<i>For Each Additional Stop, Add</i>	30,887.71	
		<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
		<i>For Removal Of Existing Elevator, Add</i>	25,331.58	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM	312,182.70	
		<i>For Each Opening Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	3,377.54	
		<i>For Each Additional Stop, Add</i>	30,887.71	
		<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
		<i>For Removal Of Existing Elevator, Add</i>	25,331.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0006	EA		Electric Traction Passenger Elevator, 4,000 LB x 200 FPM	317,805.57	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,377.54	
			<i>For Each Additional Stop, Add</i>	30,887.71	
			<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
			<i>For Removal Of Existing Elevator, Add</i>	25,331.58	
14 21 23 13-0007	EA		Electric Traction Passenger Elevator, 4,500 LB x 200 FPM	323,390.94	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,377.54	
			<i>For Each Additional Stop, Add</i>	30,887.71	
			<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
			<i>For Removal Of Existing Elevator, Add</i>	25,331.58	
14 21 23 13-0008	EA		Electric Traction Passenger Elevator, 5,000 LB x 200 FPM	329,172.30	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	3,377.54	
			<i>For Each Additional Stop, Add</i>	30,887.71	
			<i>For Each Floor < 6 Stops, Deduct</i>	-18,443.84	
			<i>For Removal Of Existing Elevator, Add</i>	25,331.58	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 LB x 50 FPM	166,650.40	
			<i>For Each Additional Stop, Add</i>	19,066.22	
			<i>For 2 Stops, Deduct</i>	-14,955.27	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	1,666.00	
			<i>For Class "C-2" Loading, Add</i>	2,000.00	
			<i>For Class "C-3" Loading, Add</i>	2,736.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	6,756.31	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM	172,058.34	
			<i>For Each Additional Stop, Add</i>	19,066.22	
			<i>For 2 Stops, Deduct</i>	-14,955.27	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	1,666.00	
			<i>For Class "C-2" Loading, Add</i>	2,000.00	
			<i>For Class "C-3" Loading, Add</i>	2,736.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	6,756.31	

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
14 24 13 00-0004	EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM	177,951.48	
	For Each Additional Stop, Add	19,066.22	
	For 2 Stops, Deduct	-14,955.27	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Each Additional 50 FPM, Add	2,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Class "C-1" Loading, Add	1,666.00	
	For Class "C-2" Loading, Add	2,000.00	
	For Class "C-3" Loading, Add	2,736.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	6,756.31	
14 24 13 00-0005	EA Hydraulic Freight Elevator, 5,000 LB x 50 FPM	182,409.88	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Each Additional 50 FPM, Add	2,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,066.22	
	For 2 Stops, Deduct	-15,955.27	
	Note: Would be holeless hydraulic at 2 stops.		
	For Class "C-1" Loading, Add	3,332.00	
	For Class "C-2" Loading, Add	4,000.00	
	For Class "C-3" Loading, Add	5,544.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	6,756.31	
14 24 13 00-0006	EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	193,016.83	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,066.22	
	For 2 Stops, Deduct	-15,955.27	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Additional 50 FPM, Add	10,000.00	
	For Class "C-1" Loading, Add	6,666.00	
	For Class "C-2" Loading, Add	8,000.00	
	For Class "C-3" Loading, Add	10,944.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	6,756.31	
14 24 13 00-0007	EA Hydraulic Freight Elevator, 7,000 LB x 50 FPM	198,097.35	
	For Each Opening With Bonderized Steel Door, Add	200.00	
	For Each Opening With Stainless Steel Doors, Add	500.00	
	For Each Opening With Two Speed Doors, Add	500.00	
	For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
	For Stainless Steel Cab Interior, Add	8,000.00	
	For Elevator With Manual Door, Deduct	-10,000.00	
	For Each Additional Stop, Add	20,066.22	
	For 2 Stops, Deduct	-15,955.27	
	Note: Would be holeless hydraulic at 2 stops.		
	For Each Additional 50 FPM, Add	10,000.00	
	For Class "C-1" Loading, Add	6,666.00	
	For Class "C-2" Loading, Add	8,000.00	
	For Class "C-3" Loading, Add	10,944.00	
	For Well Hole Drilling (12" Diameter Hole), Add	170.00	
	Note: Includes Labor and Equipment.		
	For 12" Steel Liner, Add	90.00	
	Note: Liner for Hydraulic Elevator Well Hole if necessary.		
	For Removal Of Existing Stop, Add	6,756.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 13 00-0008	EA		Hydraulic Freight Elevator, 8,000 LB x 50 FPM	205,852.98	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,066.22	
			For 2 Stops, Deduct	-15,955.27	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Each Additional 50 FPM, Add	11,000.00	
			For Class "C-1" Loading, Add	8,330.00	
			For Class "C-2" Loading, Add	10,000.00	
			For Class "C-3" Loading, Add	13,680.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	6,756.31	
14 24 13 00-0009	EA		Hydraulic Freight Elevator, 10,000 LB x 50 FPM	211,324.97	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,066.22	
			For 2 Stops, Deduct	-15,955.27	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional 50 FPM, Add	12,000.00	
			For Class "C-1" Loading, Add	11,079.00	
			For Class "C-2" Loading, Add	13,300.00	
			For Class "C-3" Loading, Add	18,194.00	
14 24 13 00-0010	EA		Hydraulic Freight Elevator, 12,000 LB x 50 FPM	220,901.86	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Each Opening With Two Speed Doors, Add	500.00	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	20,066.22	
			For 2 Stops, Deduct	-15,955.27	
			Note: Would be holeless hydraulic at 2 stops.		
			For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
			For Stainless Steel Cab Interior, Add	9,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	6,756.31	
			For Each Additional 50 FPM, Add	12,000.00	
			For Class "C-1" Loading, Add	11,079.00	
			For Class "C-2" Loading, Add	13,300.00	
			For Class "C-3" Loading, Add	18,194.00	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)

14 24 13 00-0012	VLF		Up To 6" Diameter Piston Drilling	71.00	
			Note: Includes casing.		
14 24 13 00-0013	VLF		8" To 10" Diameter Piston Drilling.....	84.64	
			Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators (14 24)

14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA		Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	118,512.64	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		

14 Conveying Equipment

14 20 Elevators

14 24 Hydraulic Elevators



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	120,741.84	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	122,274.42	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	128,004.99	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM	130,366.45	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM	133,626.66	
			For Each Additional Stop, Add	19,066.22	
			For Each Opening With Bonderized Steel Door, Add	200.00	
			For Each Opening With Stainless Steel Doors, Add	500.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
			For Stainless Steel Cab Interior, Add	8,000.00	
			For Well Hole Drilling (12" Diameter Hole), Add	170.00	
			Note: Includes Labor and Equipment.		
			For 12" Steel Liner, Add	90.00	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	1,000.00	
			For Removal Of Existing Elevator, Add	16,878.87	
			For Removal Of Existing Stop, Add	3,377.54	
			For 2 Stops, Deduct	-10,000.00	
			Note: Would be holeless hydraulic at 2 stops.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM.....	136,805.28	
			<i>For Each Additional Stop, Add</i>	19,066.22	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	16,878.87	
			<i>For Removal Of Existing Stop, Add</i>	3,377.54	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		

14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator (14 24 23)

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	66,755.31	7,768.40
14 24 23 00-0011	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	50,521.49	6,637.29

14 26 Limited-Use/Limited-Application Elevators (14 20)

14 26 00 00-0001 Small Elevators (LULA) (14 26)

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM.....	66,158.86	
			<i>Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.</i>		
			<i>For Each Additional Stop, Add</i>	16,067.24	
			<i>For Removal Of Existing Elevator, Add</i>	5,067.24	

14 40 Lifts (14)

14 42 Wheelchair Lifts (14 40)

14 42 13 Inclined Wheelchair Lifts (14 42)

14 42 13 00-0001 Chair Lift-Stair Climber (14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	4,810.45	458.22
			<i>Note: Includes top and bottom call button, safety chair, track, and power unit.</i>		
14 42 13 00-0003	EA		Stair Glide, Stairway Lift, Access Industries Commercial Package.....	7,304.97	326.35
			<i>Note: Complete assembly includes 16' rail, seat, carriage, footrest, obstruction safety panels, locking swivel top and bottom, keyed call/send controls, limit switch, armrest controls, seat belt, lock box, and overspeed brake.</i>		
			<i>For Each Additional Foot Of Rail, Add</i>	20.00	

14 42 16 Vertical Wheelchair Lifts (14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) (14 42 16)

14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift.....	8,092.18	305.49
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift.....	8,499.49	407.31
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift.....	11,460.80	509.14
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift.....	12,737.80	509.14
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0006	EA		18' Travel Wheelchair Incline Lift.....	14,672.46	509.14
			<i>Note: 500 LB capacity, interior installation.</i>		

14 42 16 00-0007 Wheelchair Screw Lift (14 42 16)

14 Conveying Equipment

14 40 Lifts

14 42 Wheelchair Lifts



WE FINANCE, BUILD AND DELIVER.

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
14 42 16 00-0008	EA	36" x 60" Platform, 750 LB Capacity, Up To 52" Lifting Height Toe Guard Porch Lift (ThyssenKrupp Access PL-TG)		14,478.26	2,291.12
		<i>For Battery Operated System, Add</i>		1,642.66	
		<i>For Hydraulic Drive, Add</i>		1,831.85	
		<i>For Flush/Surface Mount Paddle Call/Send Controls (Key Operation), Add</i>		290.61	
		<i>For Clear Or Bronze Tinted Acrylic Insert In Upper Landing Gate, Add</i>		232.85	
		<i>For Clear Or Bronze Tinted Acrylic Insert In Lower Landing Gate, Add</i>		436.59	
		<i>For Auto-Opener For Door Or Gate (Per Landing), Add</i>		1,920.54	
		<i>For 90 Degree Exit Platform, Add</i>		1,555.35	
		<i>For Clear Or Bronze Tinted Acrylic Insert In 42" Guard Panel, Add</i>		596.67	
		<i>For ADA Compliant Phone With Emergency Platform Light, Add</i>		1,367.53	
		<i>For Special Order Colors (Taupe, Sable Brown, Pearl Gray Or Selected From Sherwin Williams/RAL Colors), Add</i>		2,226.61	

END OF SECTION 14

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)		
21 01 10 91-0002	EA Relocate Existing Sprinkler Head And Branch Piping.....	46.89	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.			
21 01 10 91-0003	Sprinkler Upgrades ^(21 01 10 91)		
21 01 10 91-0004	LF Purging Existing Lines Of Water.....	0.40	
21 01 10 91-0005	LF Refill Existing Lines With Water.....	0.49	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	Inspection And Recharge ^(21 01 30 91)		
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide	168.01	
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide	2.01	
21 01 30 91-0004	EA Inspection, Halon 1301	168.01	
21 01 30 91-0005	LB Refill/Recharge, Halon 1301	48.16	
21 01 30 91-0006	EA Inspection, WC, Wet Chemical	101.59	
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical	45.15	
21 01 30 91-0008	EA Inspection, DC, Dry Chemical.....	101.59	
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical.....	4.01	
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents	31.26	
See CSI section 23 05 93 00-0046 for testing existing piping systems.			
21 01 30 91-0011	EA Disarm/Arm System.....	54.71	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment

^(21 05)
 Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001	Fire Sprinkler System Water Pressure Gauge ^(21 05 19)		
21 05 19 00-0002	EA 2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	33.88	9.07
Note: For fire sprinkler systems			
21 05 19 00-0003	EA 2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	35.17	9.07
Note: For fire sprinkler systems			
21 05 19 00-0004	EA 3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	41.21	9.07
Note: For fire sprinkler systems			
21 05 19 00-0005	EA 3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	43.68	9.07
Note: For fire sprinkler systems			
21 05 19 00-0006	EA 4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	46.16	9.07
Note: For fire sprinkler systems			
21 05 19 00-0007	Fire Service Meter Cast Iron Housing ^(21 05 19)		
21 05 19 00-0008	EA 3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	3,858.04	125.33
For >10 To 25, Deduct			
-192.90			
-563.02			
21 05 19 00-0009	EA 4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,867.06	210.10
For >10 To 25, Deduct			
-393.35			
-1,153.73			
21 05 19 00-0010	EA 6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	10,690.79	327.11
For >10 To 25, Deduct			
-534.54			
-1,562.58			
21 05 19 00-0011	EA 8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	13,941.66	417.97
For >10 To 25, Deduct			
-697.08			
-2,039.33			
21 05 19 00-0012	EA 10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	19,630.81	508.83
For >10 To 25, Deduct			
-981.54			
-2,881.02			

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 05 23	General-Duty Valves for Water-Based Fire-Suppression Piping <small>(21 05)</small> See CSI section 23 05 23 00-0000 for valves.		
21 05 29	Hangers and Supports for Fire-Suppression Piping and Equipment <small>(21 05)</small> See CSI section 23 05 29 00-0000 for hangers and supports.		
21 05 48	Vibration and Seismic Controls for Fire-Suppression Piping and Equipment <small>(21 05)</small>		
21 05 48 13	Vibration Controls for Fire-Suppression Piping and Equipment <small>(21 05 48)</small> See CSI section 23 05 48 13-0000 for vibration and seismic control.		
21 05 53	Identification for Fire-Suppression Piping and Equipment <small>(21 05)</small> See CSI section 23 05 53 00-0000 for identification.		
21 07	Fire-Suppression Systems Insulation <small>(21)</small>		
21 07 16	Fire-Suppression Equipment Insulation <small>(21 07)</small> See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19	Fire-Suppression Piping Insulation <small>(21 07)</small> See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10	Water-Based Fire-Suppression Systems <small>(21)</small> See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0860 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11	Facility Fire-Suppression Water-Service Piping <small>(21 10)</small>		
21 11 19	Fire-Department Connections <small>(21 11)</small>		
21 11 19 00-0001	Fire Department Connections <small>(21 11 19)</small>		
21 11 19 00-0002	EA 4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass .....747.77 <i>For Polished Chrome, Add</i> 49.18	233.89	
21 11 19 00-0003	EA 6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass .....1,045.33 <i>For Polished Chrome, Add</i> 75.28	292.36	
21 11 19 00-0004	EA 4" x 3" x 3" Siamese Connection, Polished Brass.....1,117.26 <i>For Polished Chrome, Add</i> 95.35	233.89	
21 11 19 00-0005	EA 6" x 3" x 3" Siamese Connection, Polished Brass.....1,478.93 <i>For Polished Chrome, Add</i> 129.48	292.36	
21 11 19 00-0006	EA 6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....1,584.91 <i>For Polished Chrome, Add</i> 142.72	292.36	
21 11 19 00-0007	EA Sidewalk Type Connection With Plug And Chain, Polished Brass.....1,349.19 <i>For Polished Chrome, Add</i> 110.07	309.43	
21 11 19 00-0008	EA Wall Type Connection With Plug And Chain, Polished Brass .....859.56 <i>For Polished Chrome, Add</i> 63.16	233.89	
21 11 19 00-0009	Wall Type Indicator Post, Wheel Operated <small>(21 11 19)</small> See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773) .....1,254.88	210.10	
21 12	Fire-Suppression Standpipes <small>(21 10)</small>		
21 12 13	Fire-Suppression Hoses and Nozzles <small>(21 12)</small>		
21 12 13 00-0001	Fire Hose <small>(21 12 13)</small>		
21 12 13 00-0002	Fire Hose Without Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0003	LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....2.06	1.57	
21 12 13 00-0004	LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....2.39	1.57	
21 12 13 00-0005	LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....2.18	1.57	
21 12 13 00-0006	LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....2.54	1.57	
21 12 13 00-0007	LF 1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....2.33	1.57	
21 12 13 00-0008	LF 2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....2.90	1.57	
21 12 13 00-0009	LF 1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....2.41	1.57	
21 12 13 00-0010	LF 2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....3.08	1.57	
21 12 13 00-0011	Fire Hose With Aluminum Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0012	LF 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....5.05	0.86	
21 12 13 00-0013	LF 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....6.31	1.01	
21 12 13 00-0014	LF 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....10.72	1.01	
21 12 13 00-0015	Fire Hose Accessories <small>(21 12 13 00-0001)</small>		
21 12 13 00-0016	EA Hose Coupling With 1-1/2" Pin Lug.....92.12	25.79	
21 12 13 00-0017	EA Hose Coupling With 2-1/2" Pin Lug.....135.05	28.91	
21 12 13 00-0018	EA 1-1/2" x 10" Brass Straight Nozzle.....67.10	20.32	
21 12 13 00-0019	EA 2-1/2" x 12" Brass Straight Nozzle.....133.99	20.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	106.27	20.32
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	153.16	20.32
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	230.27	85.96
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	321.95	85.96

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	471.58	154.72
		<i>For Polished Chrome, Add</i>	35.59	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	752.44	154.65
		<i>For Polished Chrome, Add</i>	77.72	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	968.14	167.28
		<i>For Polished Chrome, Add</i>	107.19	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	1,157.16	154.65
		<i>For Polished Chrome, Add</i>	138.43	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,358.20	167.28
		<i>For Polished Chrome, Add</i>	165.70	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	709.42	154.65
		<i>For Polished Chrome, Add</i>	71.27	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,035.59	167.28
		<i>For Polished Chrome, Add</i>	117.31	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,322.14	159.65
		<i>For Polished Chrome, Add</i>	129.63	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,889.15	177.38
		<i>For Polished Chrome, Add</i>	194.44	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,418.92	159.65
		<i>For Polished Chrome, Add</i>	141.24	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,034.97	177.38
		<i>For Polished Chrome, Add</i>	211.94	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass	3,528.28	212.83
		<i>For Polished Chrome, Add</i>	320.57	

21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	158.84	21.10
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	189.93	21.10
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	178.62	21.10
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	209.72	21.10
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	282.73	35.17
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	327.96	35.17
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	331.73	35.17
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	376.96	35.17

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,453.32	383.52
21 12 29 00-0003	EA	Water Motor Gong	513.72	119.34
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	392.23	13.88
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	171.15	23.75

21 12 29 00-0006 Water Flow Detector (21 12 29)

21 12 29 00-0007 Pressure-Type Wazter Flow Detector (21 12 29 00-0006)

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	273.61	73.08
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	396.96	96.84
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	619.56	109.62

21 12 29 00-0011 Vane-Type Water Flow Detector (21 12 29 00-0006)

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	342.58	73.08
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	481.45	96.84
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	753.49	109.62

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1351 for individual grooved pipe, 23 21 13 23-1424 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0003	EA Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....323.78 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	38.54	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-54.73	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	149.56	
	For >5 To 10, Add	94.82	
	For >10 To 20, Add	62.45	
	For >20 To 40, Add	26.21	
	For >100 To 150, Deduct	-32.38	
	For >150, Deduct	-64.76	
21 13 13 00-0004	EA Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....428.58 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	49.53	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-70.96	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	200.95	
	For >5 To 10, Add	129.99	
	For >10 To 20, Add	87.13	
	For >20 To 40, Add	36.19	
	For >100 To 150, Deduct	-42.86	
	For >150, Deduct	-85.72	
21 13 13 00-0005	Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0006	EA Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....322.52 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	38.48	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-54.60	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	148.81	
	For >5 To 10, Add	94.21	
	For >10 To 20, Add	61.96	
	For >20 To 40, Add	26.03	
	For >100 To 150, Deduct	-32.25	
	For >150, Deduct	-64.50	
21 13 13 00-0007	EA Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....424.76 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	49.15	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-70.39	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	199.03	
	For >5 To 10, Add	128.64	
	For >10 To 20, Add	86.17	
	For >20 To 40, Add	35.80	
	For >100 To 150, Deduct	-42.48	
	For >150, Deduct	-84.95	
21 13 13 00-0008	Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0009	EA Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....298.44 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	35.54	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-50.47	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	137.82	
	For >5 To 10, Add	87.35	
	For >10 To 20, Add	57.51	
	For >20 To 40, Add	24.14	
	For >100 To 150, Deduct	-29.84	
	For >150, Deduct	-59.69	
21 13 13 00-0010	EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....393.80 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	45.50	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-65.19	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	184.65	
	For >5 To 10, Add	119.46	
	For >10 To 20, Add	80.08	
	For >20 To 40, Add	33.26	
	For >100 To 150, Deduct	-39.38	
	For >150, Deduct	-78.76	
21 13 13 00-0011	Wet Pipe Sprinkler Components (21 13 13)		
	Note: Excludes hydraulic calculations.		
21 13 13 00-0012	Wet Pipe Alarm Check Valves (21 13 13 00-0011)		
	Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA 2-1/2" Wet Pipe Alarm Check Valve.....1,205.27		100.49
21 13 13 00-0014	EA 3" Wet Pipe Alarm Check Valve.....1,234.50		115.10
21 13 13 00-0015	EA 4" Wet Pipe Alarm Check Valve.....1,395.28		195.50
21 13 13 00-0016	EA 6" Wet Pipe Alarm Check Valve.....1,359.08		246.65
21 13 13 00-0017	EA 8" Wet Pipe Alarm Check Valve.....2,400.90		312.42

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0018	Wet Pipe Valve Trim <small>(21 13 13 00-0011)</small>		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.			
21 13 13 00-0019	EA 2-1/2" Wet Pipe Valve Trim.....	1,072.22	212.67
21 13 13 00-0020	EA 3" Wet Pipe Valve Trim.....	1,130.84	212.67
21 13 13 00-0021	EA 4" Wet Pipe Valve Trim.....	1,368.26	291.59
21 13 13 00-0022	EA 6" Wet Pipe Valve Trim.....	1,616.89	405.60
21 13 13 00-0023	EA 8" Wet Pipe Valve Trim.....	1,777.67	502.06

21 13 13 00-0024	Wet Pipe Sprinkler Heads <small>(21 13 13 00-0011)</small>		
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21 13 13 00-0025	Upright Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
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21 13 13 00-0026	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head.....	55.46	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.53	
	<i>For >100 To 500, Deduct</i>	-7.81	
	<i>For >500 To 1,000, Deduct</i>	-15.96	
	<i>For >1,000, Deduct</i>	-23.00	
21 13 13 00-0027	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....	57.52	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.63	
	<i>For >100 To 500, Deduct</i>	-8.07	
	<i>For >500 To 1,000, Deduct</i>	-16.33	
	<i>For >1,000, Deduct</i>	-23.37	
21 13 13 00-0028	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	58.84	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.70	
	<i>For >100 To 500, Deduct</i>	-8.23	
	<i>For >500 To 1,000, Deduct</i>	-16.57	
	<i>For >1,000, Deduct</i>	-23.60	
21 13 13 00-0029	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	56.49	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.58	
	<i>For >100 To 500, Deduct</i>	-7.94	
	<i>For >500 To 1,000, Deduct</i>	-16.15	
	<i>For >1,000, Deduct</i>	-23.18	
21 13 13 00-0030	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	58.64	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.69	
	<i>For >100 To 500, Deduct</i>	-8.21	
	<i>For >500 To 1,000, Deduct</i>	-16.53	
	<i>For >1,000, Deduct</i>	-23.57	
21 13 13 00-0031	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	60.01	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.76	
	<i>For >100 To 500, Deduct</i>	-8.38	
	<i>For >500 To 1,000, Deduct</i>	-16.78	
	<i>For >1,000, Deduct</i>	-23.81	
21 13 13 00-0032	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	70.02	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-5.26	
	<i>For >100 To 500, Deduct</i>	-9.63	
	<i>For >500 To 1,000, Deduct</i>	-18.58	
	<i>For >1,000, Deduct</i>	-25.62	
21 13 13 00-0033	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	75.56	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-5.54	
	<i>For >100 To 500, Deduct</i>	-10.32	
	<i>For >500 To 1,000, Deduct</i>	-19.58	
	<i>For >1,000, Deduct</i>	-26.61	
21 13 13 00-0034	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	70.02	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-5.26	
	<i>For >100 To 500, Deduct</i>	-9.63	
	<i>For >500 To 1,000, Deduct</i>	-18.58	
	<i>For >1,000, Deduct</i>	-25.62	
21 13 13 00-0035	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	75.56	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-5.54	
	<i>For >100 To 500, Deduct</i>	-10.32	
	<i>For >500 To 1,000, Deduct</i>	-19.58	
	<i>For >1,000, Deduct</i>	-26.61	
21 13 13 00-0036	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	62.85	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-4.90	
	<i>For >100 To 500, Deduct</i>	-8.74	
	<i>For >500 To 1,000, Deduct</i>	-17.29	
	<i>For >1,000, Deduct</i>	-24.33	
21 13 13 00-0037	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	65.56	8.79
	<i>For >25 To 50, Deduct</i>	-1.76	
	<i>For >50 To 100, Deduct</i>	-5.04	
	<i>For >100 To 500, Deduct</i>	-9.07	
	<i>For >500 To 1,000, Deduct</i>	-17.78	
	<i>For >1,000, Deduct</i>	-24.81	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	63.74	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.14	
		For >100 To 500, Deduct	-8.94	
		For >500 To 1,000, Deduct	-18.12	
		For >1,000, Deduct	-25.93	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	66.90	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.30	
		For >100 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-18.68	
		For >1,000, Deduct	-26.50	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	67.54	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.33	
		For >100 To 500, Deduct	-9.42	
		For >500 To 1,000, Deduct	-18.80	
		For >1,000, Deduct	-26.61	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	63.74	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.14	
		For >100 To 500, Deduct	-8.94	
		For >500 To 1,000, Deduct	-18.12	
		For >1,000, Deduct	-25.93	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	66.90	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.30	
		For >100 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-18.68	
		For >1,000, Deduct	-26.50	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	67.54	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.33	
		For >100 To 500, Deduct	-9.42	
		For >500 To 1,000, Deduct	-18.80	
		For >1,000, Deduct	-26.61	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	61.43	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.83	
		For >100 To 500, Deduct	-8.56	
		For >500 To 1,000, Deduct	-17.04	
		For >1,000, Deduct	-24.07	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	63.49	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.93	
		For >100 To 500, Deduct	-8.82	
		For >500 To 1,000, Deduct	-17.41	
		For >1,000, Deduct	-24.44	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	63.89	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.95	
		For >100 To 500, Deduct	-8.87	
		For >500 To 1,000, Deduct	-17.48	
		For >1,000, Deduct	-24.51	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	61.43	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.83	
		For >100 To 500, Deduct	-8.56	
		For >500 To 1,000, Deduct	-17.04	
		For >1,000, Deduct	-24.07	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	63.49	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.93	
		For >100 To 500, Deduct	-8.82	
		For >500 To 1,000, Deduct	-17.41	
		For >1,000, Deduct	-24.44	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	63.89	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.95	
		For >100 To 500, Deduct	-8.87	
		For >500 To 1,000, Deduct	-17.48	
		For >1,000, Deduct	-24.51	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	63.89	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.95	
		For >100 To 500, Deduct	-8.87	
		For >500 To 1,000, Deduct	-17.48	
		For >1,000, Deduct	-24.51	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	85.90	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-6.25	
		For >100 To 500, Deduct	-11.71	
		For >500 To 1,000, Deduct	-22.10	
		For >1,000, Deduct	-29.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0052	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	88.28	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 500, Deduct</i>	-12.01	
			<i>For >500 To 1,000, Deduct</i>	-22.53	
			<i>For >1,000, Deduct</i>	-30.35	
21 13 13 00-0053	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	88.28	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-6.37	
			<i>For >100 To 500, Deduct</i>	-12.01	
			<i>For >500 To 1,000, Deduct</i>	-22.53	
			<i>For >1,000, Deduct</i>	-30.35	
21 13 13 00-0054	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	69.87	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.45	
			<i>For >100 To 500, Deduct</i>	-9.71	
			<i>For >500 To 1,000, Deduct</i>	-19.22	
			<i>For >1,000, Deduct</i>	-27.03	
21 13 13 00-0055	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	71.50	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.53	
			<i>For >100 To 500, Deduct</i>	-9.91	
			<i>For >500 To 1,000, Deduct</i>	-19.51	
			<i>For >1,000, Deduct</i>	-27.33	
21 13 13 00-0056	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	71.50	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.53	
			<i>For >100 To 500, Deduct</i>	-9.91	
			<i>For >500 To 1,000, Deduct</i>	-19.51	
			<i>For >1,000, Deduct</i>	-27.33	
21 13 13 00-0057	EA		1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	204.47	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-11.98	
			<i>For >100 To 500, Deduct</i>	-26.44	
			<i>For >500 To 1,000, Deduct</i>	-42.78	
			<i>For >1,000, Deduct</i>	-49.82	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	225.14	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-13.21	
			<i>For >100 To 500, Deduct</i>	-29.12	
			<i>For >500 To 1,000, Deduct</i>	-47.17	
			<i>For >1,000, Deduct</i>	-54.98	
21 13 13 00-0059	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	109.30	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-7.22	
			<i>For >100 To 500, Deduct</i>	-14.54	
			<i>For >500 To 1,000, Deduct</i>	-25.65	
			<i>For >1,000, Deduct</i>	-32.69	
21 13 13 00-0060	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	134.09	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-8.46	
			<i>For >100 To 500, Deduct</i>	-17.64	
			<i>For >500 To 1,000, Deduct</i>	-30.12	
			<i>For >1,000, Deduct</i>	-37.15	
21 13 13 00-0061	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head.....	237.77	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-13.65	
			<i>For >100 To 500, Deduct</i>	-30.60	
			<i>For >500 To 1,000, Deduct</i>	-48.78	
			<i>For >1,000, Deduct</i>	-55.81	
21 13 13 00-0062	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	302.39	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-16.88	
			<i>For >100 To 500, Deduct</i>	-38.68	
			<i>For >500 To 1,000, Deduct</i>	-60.41	
			<i>For >1,000, Deduct</i>	-67.44	
21 13 13 00-0063	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	137.99	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-8.85	
			<i>For >100 To 500, Deduct</i>	-18.23	
			<i>For >500 To 1,000, Deduct</i>	-31.48	
			<i>For >1,000, Deduct</i>	-39.29	
21 13 13 00-0064	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	138.74	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-8.89	
			<i>For >100 To 500, Deduct</i>	-18.32	
			<i>For >500 To 1,000, Deduct</i>	-31.62	
			<i>For >1,000, Deduct</i>	-39.43	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 13 13 00-0066	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head.....	55.46	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100 To 500, Deduct</i>	-7.81	
			<i>For >500 To 1,000, Deduct</i>	-15.96	
			<i>For >1,000, Deduct</i>	-23.00	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems

MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	57.52	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.63	
		For >100 To 500, Deduct	-8.07	
		For >500 To 1,000, Deduct	-16.33	
		For >1,000, Deduct	-23.37	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	58.84	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.70	
		For >100 To 500, Deduct	-8.23	
		For >500 To 1,000, Deduct	-16.57	
		For >1,000, Deduct	-23.60	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	64.48	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.18	
		For >100 To 500, Deduct	-9.04	
		For >500 To 1,000, Deduct	-18.25	
		For >1,000, Deduct	-26.06	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	66.90	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.30	
		For >100 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-18.68	
		For >1,000, Deduct	-26.50	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	67.28	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.32	
		For >100 To 500, Deduct	-9.39	
		For >500 To 1,000, Deduct	-18.75	
		For >1,000, Deduct	-26.57	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	204.47	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-11.98	
		For >100 To 500, Deduct	-26.44	
		For >500 To 1,000, Deduct	-42.78	
		For >1,000, Deduct	-49.82	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	55.46	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.53	
		For >100 To 500, Deduct	-7.81	
		For >500 To 1,000, Deduct	-15.96	
		For >1,000, Deduct	-23.00	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	57.52	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.63	
		For >100 To 500, Deduct	-8.07	
		For >500 To 1,000, Deduct	-16.33	
		For >1,000, Deduct	-23.37	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head	58.84	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.70	
		For >100 To 500, Deduct	-8.23	
		For >500 To 1,000, Deduct	-16.57	
		For >1,000, Deduct	-23.60	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head	63.74	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.14	
		For >100 To 500, Deduct	-8.94	
		For >500 To 1,000, Deduct	-18.12	
		For >1,000, Deduct	-25.93	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	66.90	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.30	
		For >100 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-18.68	
		For >1,000, Deduct	-26.50	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	67.54	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.33	
		For >100 To 500, Deduct	-9.42	
		For >500 To 1,000, Deduct	-18.80	
		For >1,000, Deduct	-26.61	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head.....	61.43	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.83	
		For >100 To 500, Deduct	-8.56	
		For >500 To 1,000, Deduct	-17.04	
		For >1,000, Deduct	-24.07	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head	63.49	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.93	
		For >100 To 500, Deduct	-8.82	
		For >500 To 1,000, Deduct	-17.41	
		For >1,000, Deduct	-24.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0082	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	63.89	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 500, Deduct</i>	-8.87	
			<i>For >500 To 1,000, Deduct</i>	-17.48	
			<i>For >1,000, Deduct</i>	-24.51	
21 13 13 00-0083	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	61.43	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.83	
			<i>For >100 To 500, Deduct</i>	-8.56	
			<i>For >500 To 1,000, Deduct</i>	-17.04	
			<i>For >1,000, Deduct</i>	-24.07	
21 13 13 00-0084	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	63.49	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.93	
			<i>For >100 To 500, Deduct</i>	-8.82	
			<i>For >500 To 1,000, Deduct</i>	-17.41	
			<i>For >1,000, Deduct</i>	-24.44	
21 13 13 00-0085	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	63.89	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 500, Deduct</i>	-8.87	
			<i>For >500 To 1,000, Deduct</i>	-17.48	
			<i>For >1,000, Deduct</i>	-24.51	
21 13 13 00-0086	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	61.43	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.83	
			<i>For >100 To 500, Deduct</i>	-8.56	
			<i>For >500 To 1,000, Deduct</i>	-17.04	
			<i>For >1,000, Deduct</i>	-24.07	
21 13 13 00-0087	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	63.49	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.93	
			<i>For >100 To 500, Deduct</i>	-8.82	
			<i>For >500 To 1,000, Deduct</i>	-17.41	
			<i>For >1,000, Deduct</i>	-24.44	
21 13 13 00-0088	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	63.89	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 500, Deduct</i>	-8.87	
			<i>For >500 To 1,000, Deduct</i>	-17.48	
			<i>For >1,000, Deduct</i>	-24.51	
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	55.46	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.53	
			<i>For >100 To 500, Deduct</i>	-7.81	
			<i>For >500 To 1,000, Deduct</i>	-15.96	
			<i>For >1,000, Deduct</i>	-23.00	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	57.52	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.63	
			<i>For >100 To 500, Deduct</i>	-8.07	
			<i>For >500 To 1,000, Deduct</i>	-16.33	
			<i>For >1,000, Deduct</i>	-23.37	
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	58.84	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 500, Deduct</i>	-8.23	
			<i>For >500 To 1,000, Deduct</i>	-16.57	
			<i>For >1,000, Deduct</i>	-23.60	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	56.50	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.58	
			<i>For >100 To 500, Deduct</i>	-7.94	
			<i>For >500 To 1,000, Deduct</i>	-16.15	
			<i>For >1,000, Deduct</i>	-23.18	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	57.96	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.66	
			<i>For >100 To 500, Deduct</i>	-8.12	
			<i>For >500 To 1,000, Deduct</i>	-16.41	
			<i>For >1,000, Deduct</i>	-23.45	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	59.29	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.72	
			<i>For >100 To 500, Deduct</i>	-8.29	
			<i>For >500 To 1,000, Deduct</i>	-16.65	
			<i>For >1,000, Deduct</i>	-23.69	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	65.70	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.24	
			<i>For >100 To 500, Deduct</i>	-9.19	
			<i>For >500 To 1,000, Deduct</i>	-18.47	
			<i>For >1,000, Deduct</i>	-26.28	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	68.38	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.37	
		For >100 To 500, Deduct	-9.52	
		For >500 To 1,000, Deduct	-18.95	
		For >1,000, Deduct	-26.76	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	68.38	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.37	
		For >100 To 500, Deduct	-9.52	
		For >500 To 1,000, Deduct	-18.95	
		For >1,000, Deduct	-26.76	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	62.85	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.90	
		For >100 To 500, Deduct	-8.74	
		For >500 To 1,000, Deduct	-17.29	
		For >1,000, Deduct	-24.33	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	65.56	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-5.04	
		For >100 To 500, Deduct	-9.07	
		For >500 To 1,000, Deduct	-17.78	
		For >1,000, Deduct	-24.81	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	69.61	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-5.24	
		For >100 To 500, Deduct	-9.58	
		For >500 To 1,000, Deduct	-18.51	
		For >1,000, Deduct	-25.54	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	74.04	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-5.46	
		For >100 To 500, Deduct	-10.13	
		For >500 To 1,000, Deduct	-19.31	
		For >1,000, Deduct	-26.34	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	69.61	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-5.24	
		For >100 To 500, Deduct	-9.58	
		For >500 To 1,000, Deduct	-18.51	
		For >1,000, Deduct	-25.54	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	74.04	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-5.46	
		For >100 To 500, Deduct	-10.13	
		For >500 To 1,000, Deduct	-19.31	
		For >1,000, Deduct	-26.34	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	59.36	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.73	
		For >100 To 500, Deduct	-8.30	
		For >500 To 1,000, Deduct	-16.66	
		For >1,000, Deduct	-23.70	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	61.68	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.84	
		For >100 To 500, Deduct	-8.59	
		For >500 To 1,000, Deduct	-17.08	
		For >1,000, Deduct	-24.12	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	62.90	8.79
		For >25 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-4.90	
		For >100 To 500, Deduct	-8.74	
		For >500 To 1,000, Deduct	-17.30	
		For >1,000, Deduct	-24.33	
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	64.72	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.19	
		For >100 To 500, Deduct	-9.07	
		For >500 To 1,000, Deduct	-18.29	
		For >1,000, Deduct	-26.11	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	67.02	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.30	
		For >100 To 500, Deduct	-9.35	
		For >500 To 1,000, Deduct	-18.71	
		For >1,000, Deduct	-26.52	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	69.24	9.76
		For >25 To 50, Deduct	-1.95	
		For >50 To 100, Deduct	-5.42	
		For >100 To 500, Deduct	-9.63	
		For >500 To 1,000, Deduct	-19.11	
		For >1,000, Deduct	-26.92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0110 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	60.67	8.79
<i>For >25 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-4.79	
<i>For >100 To 500, Deduct</i>	-8.46	
<i>For >500 To 1,000, Deduct</i>	-16.90	
<i>For >1,000, Deduct</i>	-23.93	
21 13 13 00-0111 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	62.95	8.79
<i>For >25 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-4.91	
<i>For >100 To 500, Deduct</i>	-8.75	
<i>For >500 To 1,000, Deduct</i>	-17.31	
<i>For >1,000, Deduct</i>	-24.34	
21 13 13 00-0112 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	64.19	8.79
<i>For >25 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-4.97	
<i>For >100 To 500, Deduct</i>	-8.90	
<i>For >500 To 1,000, Deduct</i>	-17.53	
<i>For >1,000, Deduct</i>	-24.57	
21 13 13 00-0113 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	65.70	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.24	
<i>For >100 To 500, Deduct</i>	-9.19	
<i>For >500 To 1,000, Deduct</i>	-18.47	
<i>For >1,000, Deduct</i>	-26.28	
21 13 13 00-0114 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	68.09	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.36	
<i>For >100 To 500, Deduct</i>	-9.49	
<i>For >500 To 1,000, Deduct</i>	-18.90	
<i>For >1,000, Deduct</i>	-26.71	
21 13 13 00-0115 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	70.40	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.47	
<i>For >100 To 500, Deduct</i>	-9.78	
<i>For >500 To 1,000, Deduct</i>	-19.31	
<i>For >1,000, Deduct</i>	-27.13	
21 13 13 00-0116 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	96.89	8.79
<i>For >25 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-6.60	
<i>For >100 To 500, Deduct</i>	-12.99	
<i>For >500 To 1,000, Deduct</i>	-23.42	
<i>For >1,000, Deduct</i>	-30.45	
21 13 13 00-0117 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	96.89	8.79
<i>For >25 To 50, Deduct</i>	-1.76	
<i>For >50 To 100, Deduct</i>	-6.60	
<i>For >100 To 500, Deduct</i>	-12.99	
<i>For >500 To 1,000, Deduct</i>	-23.42	
<i>For >1,000, Deduct</i>	-30.45	
21 13 13 00-0118 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	72.25	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.57	
<i>For >100 To 500, Deduct</i>	-10.01	
<i>For >500 To 1,000, Deduct</i>	-19.65	
<i>For >1,000, Deduct</i>	-27.46	
21 13 13 00-0119 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	74.01	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.65	
<i>For >100 To 500, Deduct</i>	-10.23	
<i>For >500 To 1,000, Deduct</i>	-19.96	
<i>For >1,000, Deduct</i>	-27.78	
21 13 13 00-0120 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	74.01	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.65	
<i>For >100 To 500, Deduct</i>	-10.23	
<i>For >500 To 1,000, Deduct</i>	-19.96	
<i>For >1,000, Deduct</i>	-27.78	
21 13 13 00-0121 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	69.87	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.45	
<i>For >100 To 500, Deduct</i>	-9.71	
<i>For >500 To 1,000, Deduct</i>	-19.22	
<i>For >1,000, Deduct</i>	-27.03	
21 13 13 00-0122 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	71.50	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.53	
<i>For >100 To 500, Deduct</i>	-9.91	
<i>For >500 To 1,000, Deduct</i>	-19.51	
<i>For >1,000, Deduct</i>	-27.33	
21 13 13 00-0123 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	71.50	9.76
<i>For >25 To 50, Deduct</i>	-1.95	
<i>For >50 To 100, Deduct</i>	-5.53	
<i>For >100 To 500, Deduct</i>	-9.91	
<i>For >500 To 1,000, Deduct</i>	-19.51	
<i>For >1,000, Deduct</i>	-27.33	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0124	EA 1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	204.47	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-11.98	
	For >100 To 500, Deduct	-26.44	
	For >500 To 1,000, Deduct	-42.78	
	For >1,000, Deduct	-49.82	
21 13 13 00-0125	EA 3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	225.14	9.76
	For >25 To 50, Deduct	-1.95	
	For >50 To 100, Deduct	-13.21	
	For >100 To 500, Deduct	-29.12	
	For >500 To 1,000, Deduct	-47.17	
	For >1,000, Deduct	-54.98	
21 13 13 00-0126	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	109.30	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-7.22	
	For >100 To 500, Deduct	-14.54	
	For >500 To 1,000, Deduct	-25.65	
	For >1,000, Deduct	-32.69	
21 13 13 00-0127	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	134.09	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-8.46	
	For >100 To 500, Deduct	-17.64	
	For >500 To 1,000, Deduct	-30.12	
	For >1,000, Deduct	-37.15	
21 13 13 00-0128	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	237.77	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-13.65	
	For >100 To 500, Deduct	-30.60	
	For >500 To 1,000, Deduct	-48.78	
	For >1,000, Deduct	-55.81	
21 13 13 00-0129	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	302.39	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-16.88	
	For >100 To 500, Deduct	-38.68	
	For >500 To 1,000, Deduct	-60.41	
	For >1,000, Deduct	-67.44	
21 13 13 00-0130	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	137.99	9.76
	For >25 To 50, Deduct	-1.95	
	For >50 To 100, Deduct	-8.85	
	For >100 To 500, Deduct	-18.23	
	For >500 To 1,000, Deduct	-31.48	
	For >1,000, Deduct	-39.29	
21 13 13 00-0131	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	138.74	9.76
	For >25 To 50, Deduct	-1.95	
	For >50 To 100, Deduct	-8.89	
	For >100 To 500, Deduct	-18.32	
	For >500 To 1,000, Deduct	-31.62	
	For >1,000, Deduct	-39.43	
21 13 13 00-0132	Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)		
21 13 13 00-0133	Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)		
21 13 13 00-0134	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	58.55	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.69	
	For >100 To 500, Deduct	-8.20	
	For >500 To 1,000, Deduct	-16.52	
	For >1,000, Deduct	-23.55	
21 13 13 00-0135	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	60.20	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.77	
	For >100 To 500, Deduct	-8.40	
	For >500 To 1,000, Deduct	-16.81	
	For >1,000, Deduct	-23.85	
21 13 13 00-0136	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	62.82	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.90	
	For >100 To 500, Deduct	-8.73	
	For >500 To 1,000, Deduct	-17.29	
	For >1,000, Deduct	-24.32	
21 13 13 00-0137	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	59.48	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.73	
	For >100 To 500, Deduct	-8.31	
	For >500 To 1,000, Deduct	-16.69	
	For >1,000, Deduct	-23.72	
21 13 13 00-0138	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	61.17	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.82	
	For >100 To 500, Deduct	-8.53	
	For >500 To 1,000, Deduct	-16.99	
	For >1,000, Deduct	-24.02	
21 13 13 00-0139	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	63.83	8.79
	For >25 To 50, Deduct	-1.76	
	For >50 To 100, Deduct	-4.95	
	For >100 To 500, Deduct	-8.86	
	For >500 To 1,000, Deduct	-17.47	
	For >1,000, Deduct	-24.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0140	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	65.56	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.04	
			<i>For >100 To 500, Deduct</i>	-9.07	
			<i>For >500 To 1,000, Deduct</i>	-17.78	
			<i>For >1,000, Deduct</i>	-24.81	
21 13 13 00-0141	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	68.25	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.17	
			<i>For >100 To 500, Deduct</i>	-9.41	
			<i>For >500 To 1,000, Deduct</i>	-18.26	
			<i>For >1,000, Deduct</i>	-25.30	
21 13 13 00-0142	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	70.83	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.50	
			<i>For >100 To 500, Deduct</i>	-9.83	
			<i>For >500 To 1,000, Deduct</i>	-19.39	
			<i>For >1,000, Deduct</i>	-27.21	
21 13 13 00-0143	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.86	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.70	
			<i>For >100 To 500, Deduct</i>	-10.33	
			<i>For >500 To 1,000, Deduct</i>	-20.12	
			<i>For >1,000, Deduct</i>	-27.93	
21 13 13 00-0144	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	71.37	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.33	
			<i>For >100 To 500, Deduct</i>	-9.80	
			<i>For >500 To 1,000, Deduct</i>	-18.83	
			<i>For >1,000, Deduct</i>	-25.86	
21 13 13 00-0145	EA	1/2"	NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.04	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.46	
			<i>For >100 To 500, Deduct</i>	-10.13	
			<i>For >500 To 1,000, Deduct</i>	-19.31	
			<i>For >1,000, Deduct</i>	-26.34	
21 13 13 00-0146	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	71.37	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.33	
			<i>For >100 To 500, Deduct</i>	-9.80	
			<i>For >500 To 1,000, Deduct</i>	-18.83	
			<i>For >1,000, Deduct</i>	-25.86	
21 13 13 00-0147	EA	1/2"	NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	74.04	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-5.46	
			<i>For >100 To 500, Deduct</i>	-10.13	
			<i>For >500 To 1,000, Deduct</i>	-19.31	
			<i>For >1,000, Deduct</i>	-26.34	
21 13 13 00-0148	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	57.14	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.62	
			<i>For >100 To 500, Deduct</i>	-8.02	
			<i>For >500 To 1,000, Deduct</i>	-16.26	
			<i>For >1,000, Deduct</i>	-23.30	
21 13 13 00-0149	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	58.51	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.68	
			<i>For >100 To 500, Deduct</i>	-8.19	
			<i>For >500 To 1,000, Deduct</i>	-16.51	
			<i>For >1,000, Deduct</i>	-23.54	
21 13 13 00-0150	EA	1/2"	NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	60.21	8.79
			<i>For >25 To 50, Deduct</i>	-1.76	
			<i>For >50 To 100, Deduct</i>	-4.77	
			<i>For >100 To 500, Deduct</i>	-8.41	
			<i>For >500 To 1,000, Deduct</i>	-16.82	
			<i>For >1,000, Deduct</i>	-23.85	
21 13 13 00-0151	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	62.64	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.09	
			<i>For >100 To 500, Deduct</i>	-8.81	
			<i>For >500 To 1,000, Deduct</i>	-17.92	
			<i>For >1,000, Deduct</i>	-25.73	
21 13 13 00-0152	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	64.11	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.16	
			<i>For >100 To 500, Deduct</i>	-8.99	
			<i>For >500 To 1,000, Deduct</i>	-18.18	
			<i>For >1,000, Deduct</i>	-26.00	
21 13 13 00-0153	EA	3/4"	NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	65.69	9.76
			<i>For >25 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-5.24	
			<i>For >100 To 500, Deduct</i>	-9.19	
			<i>For >500 To 1,000, Deduct</i>	-18.47	
			<i>For >1,000, Deduct</i>	-26.28	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	63.80	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.14	
		<i>For >100 To 500, Deduct</i>	-8.95	
		<i>For >500 To 1,000, Deduct</i>	-18.13	
		<i>For >1,000, Deduct</i>	-25.94	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	65.33	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.22	
		<i>For >100 To 500, Deduct</i>	-9.14	
		<i>For >500 To 1,000, Deduct</i>	-18.40	
		<i>For >1,000, Deduct</i>	-26.22	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	66.97	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.30	
		<i>For >100 To 500, Deduct</i>	-9.35	
		<i>For >500 To 1,000, Deduct</i>	-18.70	
		<i>For >1,000, Deduct</i>	-26.51	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	67.00	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.30	
		<i>For >100 To 500, Deduct</i>	-9.35	
		<i>For >500 To 1,000, Deduct</i>	-18.70	
		<i>For >1,000, Deduct</i>	-26.52	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	69.25	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.42	
		<i>For >100 To 500, Deduct</i>	-9.63	
		<i>For >500 To 1,000, Deduct</i>	-19.11	
		<i>For >1,000, Deduct</i>	-26.92	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	69.25	9.76
		<i>For >25 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-5.42	
		<i>For >100 To 500, Deduct</i>	-9.63	
		<i>For >500 To 1,000, Deduct</i>	-19.11	
		<i>For >1,000, Deduct</i>	-26.92	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	111.80	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-7.35	
		<i>For >100 To 500, Deduct</i>	-14.85	
		<i>For >500 To 1,000, Deduct</i>	-26.10	
		<i>For >1,000, Deduct</i>	-33.14	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	111.80	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-7.35	
		<i>For >100 To 500, Deduct</i>	-14.85	
		<i>For >500 To 1,000, Deduct</i>	-26.10	
		<i>For >1,000, Deduct</i>	-33.14	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	57.71	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.64	
		<i>For >100 To 500, Deduct</i>	-8.09	
		<i>For >500 To 1,000, Deduct</i>	-16.37	
		<i>For >1,000, Deduct</i>	-23.40	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	57.71	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.64	
		<i>For >100 To 500, Deduct</i>	-8.09	
		<i>For >500 To 1,000, Deduct</i>	-16.37	
		<i>For >1,000, Deduct</i>	-23.40	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	57.71	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.64	
		<i>For >100 To 500, Deduct</i>	-8.09	
		<i>For >500 To 1,000, Deduct</i>	-16.37	
		<i>For >1,000, Deduct</i>	-23.40	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	60.69	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.79	
		<i>For >100 To 500, Deduct</i>	-8.47	
		<i>For >500 To 1,000, Deduct</i>	-16.90	
		<i>For >1,000, Deduct</i>	-23.94	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	62.76	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.90	
		<i>For >100 To 500, Deduct</i>	-8.72	
		<i>For >500 To 1,000, Deduct</i>	-17.28	
		<i>For >1,000, Deduct</i>	-24.31	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	63.64	8.79
		<i>For >25 To 50, Deduct</i>	-1.76	
		<i>For >50 To 100, Deduct</i>	-4.94	
		<i>For >100 To 500, Deduct</i>	-8.83	
		<i>For >500 To 1,000, Deduct</i>	-17.43	
		<i>For >1,000, Deduct</i>	-24.47	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0169	Concealed Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0170	Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	87.48	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-6.72	
	For >100 To 500, Deduct	-12.11	
	For >500 To 1,000, Deduct	-23.72	
	For >1,000, Deduct	-33.10	
21 13 13 00-0172	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	63.25	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-5.51	
	For >100 To 500, Deduct	-9.08	
	For >500 To 1,000, Deduct	-19.36	
	For >1,000, Deduct	-28.73	
21 13 13 00-0173	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	64.14	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-5.55	
	For >100 To 500, Deduct	-9.19	
	For >500 To 1,000, Deduct	-19.52	
	For >1,000, Deduct	-28.89	
21 13 13 00-0174	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	80.06	12.70
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.54	
	For >50 To 100, Deduct	-6.54	
	For >100 To 500, Deduct	-11.28	
	For >500 To 1,000, Deduct	-23.05	
	For >1,000, Deduct	-33.21	
21 13 13 00-0175	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	76.15	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-6.15	
	For >100 To 500, Deduct	-10.69	
	For >500 To 1,000, Deduct	-21.68	
	For >1,000, Deduct	-31.06	
21 13 13 00-0176	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	76.15	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-6.15	
	For >100 To 500, Deduct	-10.69	
	For >500 To 1,000, Deduct	-21.68	
	For >1,000, Deduct	-31.06	
21 13 13 00-0177	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	80.06	12.70
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.54	
	For >50 To 100, Deduct	-6.54	
	For >100 To 500, Deduct	-11.28	
	For >500 To 1,000, Deduct	-23.05	
	For >1,000, Deduct	-33.21	
21 13 13 00-0178	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	70.48	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-5.87	
	For >100 To 500, Deduct	-9.98	
	For >500 To 1,000, Deduct	-20.66	
	For >1,000, Deduct	-30.04	
21 13 13 00-0179	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	76.15	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-6.15	
	For >100 To 500, Deduct	-10.69	
	For >500 To 1,000, Deduct	-21.68	
	For >1,000, Deduct	-31.06	
21 13 13 00-0180	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	76.15	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-6.15	
	For >100 To 500, Deduct	-10.69	
	For >500 To 1,000, Deduct	-21.68	
	For >1,000, Deduct	-31.06	
21 13 13 00-0181	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	71.82	11.73
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.34	
	For >50 To 100, Deduct	-5.94	
	For >100 To 500, Deduct	-10.15	
	For >500 To 1,000, Deduct	-20.90	
	For >1,000, Deduct	-30.28	
21 13 13 00-0182	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	117.75	13.68
	Note: Excludes coverplate		
	For >25 To 50, Deduct	-2.74	
	For >50 To 100, Deduct	-8.62	
	For >100 To 500, Deduct	-16.09	
	For >500 To 1,000, Deduct	-30.50	
	For >1,000, Deduct	-41.44	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	67.66	11.73
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-5.73	
		For >100 To 500, Deduct	-9.63	
		For >500 To 1,000, Deduct	-20.15	
		For >1,000, Deduct	-29.53	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	71.20	12.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-6.10	
		For >100 To 500, Deduct	-10.17	
		For >500 To 1,000, Deduct	-21.45	
		For >1,000, Deduct	-31.61	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	68.45	11.73
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-5.77	
		For >100 To 500, Deduct	-9.73	
		For >500 To 1,000, Deduct	-20.29	
		For >1,000, Deduct	-29.67	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	72.36	12.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-6.16	
		For >100 To 500, Deduct	-10.32	
		For >500 To 1,000, Deduct	-21.66	
		For >1,000, Deduct	-31.82	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	80.43	12.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-6.56	
		For >100 To 500, Deduct	-11.32	
		For >500 To 1,000, Deduct	-23.11	
		For >1,000, Deduct	-33.27	
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	136.14	13.68
		For >25 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-9.54	
		For >100 To 500, Deduct	-18.39	
		For >500 To 1,000, Deduct	-33.81	
		For >1,000, Deduct	-44.75	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	136.14	13.68
		For >25 To 50, Deduct	-2.74	
		For >50 To 100, Deduct	-9.54	
		For >100 To 500, Deduct	-18.39	
		For >500 To 1,000, Deduct	-33.81	
		For >1,000, Deduct	-44.75	
21 13 13 00-0190		Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	94.22	11.73
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-7.06	
		For >100 To 500, Deduct	-12.95	
		For >500 To 1,000, Deduct	-24.93	
		For >1,000, Deduct	-34.31	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	106.02	12.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-7.84	
		For >100 To 500, Deduct	-14.52	
		For >500 To 1,000, Deduct	-27.72	
		For >1,000, Deduct	-37.88	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	74.52	11.73
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-6.07	
		For >100 To 500, Deduct	-10.49	
		For >500 To 1,000, Deduct	-21.38	
		For >1,000, Deduct	-30.76	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	75.43	12.70
		Note: Excludes coverplate		
		For >25 To 50, Deduct	-2.54	
		For >50 To 100, Deduct	-6.31	
		For >100 To 500, Deduct	-10.70	
		For >500 To 1,000, Deduct	-22.21	
		For >1,000, Deduct	-32.37	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	222.39 -1.95 -13.07 -28.78 -46.67 -54.49	9.76
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet. <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	217.09 -1.95 -12.81 -28.11 -45.72 -53.53	9.76
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	95.12 -1.95 -6.71 -12.87 -23.76 -31.58	9.76
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	106.11 -1.95 -7.26 -14.24 -25.74 -33.56	9.76

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)
21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)

21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	37.96 -0.84 -2.74 -5.17 -9.69 -13.05	10.08
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	37.96 -0.84 -2.74 -5.17 -9.69 -13.05	10.08
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	38.39 -0.84 -2.76 -5.22 -9.77 -13.13	10.08
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	33.94 -0.84 -2.54 -4.66 -8.97 -12.33	10.08
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	33.94 -0.84 -2.54 -4.66 -8.97 -12.33	10.08
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	33.94 -0.84 -2.54 -4.66 -8.97 -12.33	10.08
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175) <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	37.90 -0.91 -2.81 -5.19 -9.93 -13.58	10.97

21 13 13 00-0209 Sprinkler Head Escutcheon (21 13 13 00-0200)

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	14.53 -0.29 -1.02 -1.96 -3.61 -4.78	3.52
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21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	14.53	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100 To 500, Deduct</i>	-1.96	
		<i>For >500 To 1,000, Deduct</i>	-3.61	
		<i>For >1,000, Deduct</i>	-4.78	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	13.74	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.98	
		<i>For >100 To 500, Deduct</i>	-1.86	
		<i>For >500 To 1,000, Deduct</i>	-3.47	
		<i>For >1,000, Deduct</i>	-4.64	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	13.74	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.98	
		<i>For >100 To 500, Deduct</i>	-1.86	
		<i>For >500 To 1,000, Deduct</i>	-3.47	
		<i>For >1,000, Deduct</i>	-4.64	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	10.15	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-0.80	
		<i>For >100 To 500, Deduct</i>	-1.42	
		<i>For >500 To 1,000, Deduct</i>	-2.82	
		<i>For >1,000, Deduct</i>	-4.00	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	14.13	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-1.00	
		<i>For >100 To 500, Deduct</i>	-1.91	
		<i>For >500 To 1,000, Deduct</i>	-3.54	
		<i>For >1,000, Deduct</i>	-4.71	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	14.13	3.52
		<i>For >25 To 50, Deduct</i>	-0.29	
		<i>For >50 To 100, Deduct</i>	-1.00	
		<i>For >100 To 500, Deduct</i>	-1.91	
		<i>For >500 To 1,000, Deduct</i>	-3.54	
		<i>For >1,000, Deduct</i>	-4.71	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	5.66	2.58
		<i>For >25 To 50, Deduct</i>	-0.20	
		<i>For >50 To 100, Deduct</i>	-0.48	
		<i>For >100 To 500, Deduct</i>	-0.81	
		<i>For >500 To 1,000, Deduct</i>	-1.68	
		<i>For >1,000, Deduct</i>	-2.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0225 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	5.11	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.45	
For >100 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.37	
21 13 13 00-0226 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	5.26	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.46	
For >100 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.39	
21 13 13 00-0227 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	5.76	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.48	
For >100 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.48	
21 13 13 00-0228 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	5.21	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.46	
For >100 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.38	
21 13 13 00-0229 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	5.21	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.46	
For >100 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.38	
21 13 13 00-0230 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	6.33	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.51	
For >100 To 500, Deduct	-0.89	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.59	
21 13 13 00-0231 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	5.20	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.46	
For >100 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.38	
21 13 13 00-0232 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	5.20	2.58
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.46	
For >100 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.38	
21 13 13 00-0233 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	8.53	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.70	
For >100 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-2.47	
For >1,000, Deduct	-3.56	
21 13 13 00-0234 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	8.22	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.68	
For >100 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.41	
For >1,000, Deduct	-3.50	
21 13 13 00-0235 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	8.33	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.69	
For >100 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.52	
21 13 13 00-0236 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	8.63	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.71	
For >100 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-2.48	
For >1,000, Deduct	-3.58	
21 13 13 00-0237 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	8.33	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.69	
For >100 To 500, Deduct	-1.18	
For >500 To 1,000, Deduct	-2.43	
For >1,000, Deduct	-3.52	
21 13 13 00-0238 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	8.53	3.61
For >25 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.70	
For >100 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-2.47	
For >1,000, Deduct	-3.56	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0239	EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0240	EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0241	EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0242	EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0243	EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0244	EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	17.74	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.18	
	For >100 To 500, Deduct	-2.36	
	For >500 To 1,000, Deduct	-4.19	
	For >1,000, Deduct	-5.36	
21 13 13 00-0245	EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	20.46	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.32	
	For >100 To 500, Deduct	-2.70	
	For >500 To 1,000, Deduct	-4.68	
	For >1,000, Deduct	-5.85	
21 13 13 00-0246	EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	21.09	3.52
	For >25 To 50, Deduct	-0.29	
	For >50 To 100, Deduct	-1.35	
	For >100 To 500, Deduct	-2.78	
	For >500 To 1,000, Deduct	-4.79	
	For >1,000, Deduct	-5.96	
21 13 13 00-0247	Coverplate For Sprinkler Heads (21 13 13 00-0200)		
21 13 13 00-0248	EA Chrome Coverplate For Concealed Pendent Sprinkler Head	41.96	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-2.43	
	For >100 To 500, Deduct	-5.41	
	For >500 To 1,000, Deduct	-8.68	
	For >1,000, Deduct	-10.01	
21 13 13 00-0249	EA White Coverplate For Concealed Pendent Sprinkler Head	20.40	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-1.35	
	For >100 To 500, Deduct	-2.72	
	For >500 To 1,000, Deduct	-4.80	
	For >1,000, Deduct	-6.13	
21 13 13 00-0250	EA Specialty Coverplate For Concealed Pendent Sprinkler Head	29.75	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-1.82	
	For >100 To 500, Deduct	-3.88	
	For >500 To 1,000, Deduct	-6.48	
	For >1,000, Deduct	-7.81	
21 13 13 00-0251	EA Brass Coverplate For Concealed Sidewall Sprinkler Head	27.33	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-1.70	
	For >100 To 500, Deduct	-3.58	
	For >500 To 1,000, Deduct	-6.05	
	For >1,000, Deduct	-7.38	
21 13 13 00-0252	EA Chrome Coverplate For Concealed Sidewall Sprinkler Head	21.83	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-1.42	
	For >100 To 500, Deduct	-2.89	
	For >500 To 1,000, Deduct	-5.06	
	For >1,000, Deduct	-6.39	
21 13 13 00-0253	EA White Coverplate For Concealed Sidewall Sprinkler Head	21.83	3.98
	For >25 To 50, Deduct	-0.33	
	For >50 To 100, Deduct	-1.42	
	For >100 To 500, Deduct	-2.89	
	For >500 To 1,000, Deduct	-5.06	
	For >1,000, Deduct	-6.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	27.33	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 500, Deduct</i>	-3.58	
			<i>For >500 To 1,000, Deduct</i>	-6.05	
			<i>For >1,000, Deduct</i>	-7.38	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	27.33	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 500, Deduct</i>	-3.58	
			<i>For >500 To 1,000, Deduct</i>	-6.05	
			<i>For >1,000, Deduct</i>	-7.38	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	31.68	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100 To 500, Deduct</i>	-4.13	
			<i>For >500 To 1,000, Deduct</i>	-6.83	
			<i>For >1,000, Deduct</i>	-8.16	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	31.68	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100 To 500, Deduct</i>	-4.13	
			<i>For >500 To 1,000, Deduct</i>	-6.83	
			<i>For >1,000, Deduct</i>	-8.16	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	31.68	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100 To 500, Deduct</i>	-4.13	
			<i>For >500 To 1,000, Deduct</i>	-6.83	
			<i>For >1,000, Deduct</i>	-8.16	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	27.35	3.98
			<i>For >25 To 50, Deduct</i>	-0.33	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100 To 500, Deduct</i>	-3.58	
			<i>For >500 To 1,000, Deduct</i>	-6.05	
			<i>For >1,000, Deduct</i>	-7.38	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	46.66	4.69
			<i>For >25 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100 To 500, Deduct</i>	-6.03	
			<i>For >500 To 1,000, Deduct</i>	-9.73	
			<i>For >1,000, Deduct</i>	-11.29	
21 13 13 00-0261	EA		Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFI).....	20.33	3.91
21 13 13 00-0262 Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0200)</small>					
21 13 13 00-0263	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	10.74	2.35
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.20	
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 500, Deduct</i>	-1.44	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-3.38	
21 13 13 00-0264	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	13.97	2.47
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.21	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-3.21	
			<i>For >1,000, Deduct</i>	-4.03	
21 13 13 00-0265	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	17.58	2.58
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.22	
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100 To 500, Deduct</i>	-2.31	
			<i>For >500 To 1,000, Deduct</i>	-3.90	
			<i>For >1,000, Deduct</i>	-4.76	
21 13 13 00-0266	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	20.82	2.70
			Note: For use with 2 piece escutcheons		
			<i>For >25 To 50, Deduct</i>	-0.23	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100 To 500, Deduct</i>	-2.72	
			<i>For >500 To 1,000, Deduct</i>	-4.51	
			<i>For >1,000, Deduct</i>	-5.41	
21 13 13 00-0267 Sprinkler Head Guards <small>(21 13 13 00-0200)</small>					
21 13 13 00-0268	EA		Universal Sprinkler Head Guard, C-1	16.08	7.04
			<i>For >25 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100 To 500, Deduct</i>	-2.30	
			<i>For >500 To 1,000, Deduct</i>	-4.89	
			<i>For >1,000, Deduct</i>	-7.23	
21 13 13 00-0269	EA		Dry Pendent Sprinkler Head Guard, C-2	17.76	7.04
			<i>For >25 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100 To 500, Deduct</i>	-2.51	
			<i>For >500 To 1,000, Deduct</i>	-5.19	
			<i>For >1,000, Deduct</i>	-7.54	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 13 13 00-0270	EA	Upright Sprinkler Head Guard With Water Shield, C-3	20.63		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.62		
		<i>For >100 To 500, Deduct</i>	-2.87		
		<i>For >500 To 1,000, Deduct</i>	-5.71		
		<i>For >1,000, Deduct</i>	-8.05		
21 13 13 00-0271	EA	Pendent Sprinkler Head Guard With Water Shield, C-5.....	24.17		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.80		
		<i>For >100 To 500, Deduct</i>	-3.31		
		<i>For >500 To 1,000, Deduct</i>	-6.34		
		<i>For >1,000, Deduct</i>	-8.69		
21 13 13 00-0272	EA	Universal Sprinkler Head Guard, D-1.....	17.70		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.47		
		<i>For >100 To 500, Deduct</i>	-2.51		
		<i>For >500 To 1,000, Deduct</i>	-5.18		
		<i>For >1,000, Deduct</i>	-7.53		
21 13 13 00-0273	EA	Upright Sprinkler Head Guard With Water Shield, D-3	18.79		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.53		
		<i>For >100 To 500, Deduct</i>	-2.64		
		<i>For >500 To 1,000, Deduct</i>	-5.38		
		<i>For >1,000, Deduct</i>	-7.72		
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	26.91		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.93		
		<i>For >100 To 500, Deduct</i>	-3.66		
		<i>For >500 To 1,000, Deduct</i>	-6.84		
		<i>For >1,000, Deduct</i>	-9.18		
21 13 13 00-0275	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	25.28		7.04
		<i>For >25 To 50, Deduct</i>	-0.59		
		<i>For >50 To 100, Deduct</i>	-1.85		
		<i>For >100 To 500, Deduct</i>	-3.45		
		<i>For >500 To 1,000, Deduct</i>	-6.54		
		<i>For >1,000, Deduct</i>	-8.89		
21 13 13 00-0276 Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small>					
Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.					
21 13 13 00-0277	EA	2' Long Stainless Steel Flexible Sprinkler Piping	53.09		12.11
		Note: Includes ceiling mounting bracket.			
		<i>For >25 To 50, Deduct</i>	-1.22		
		<i>For >50 To 100, Deduct</i>	-3.88		
		<i>For >100 To 500, Deduct</i>	-7.25		
		<i>For >500 To 1,000, Deduct</i>	-13.71		
		<i>For >1,000, Deduct</i>	-18.59		
21 13 13 00-0278	EA	3' Long Stainless Steel Flexible Sprinkler Piping	58.75		12.50
		Note: Includes ceiling mounting bracket.			
		<i>For >25 To 50, Deduct</i>	-1.29		
		<i>For >50 To 100, Deduct</i>	-4.22		
		<i>For >100 To 500, Deduct</i>	-7.99		
		<i>For >500 To 1,000, Deduct</i>	-14.95		
		<i>For >1,000, Deduct</i>	-20.09		
21 13 13 00-0279	EA	4' Long Stainless Steel Flexible Sprinkler Piping	64.52		13.28
		Note: Includes ceiling mounting bracket.			
		<i>For >25 To 50, Deduct</i>	-1.36		
		<i>For >50 To 100, Deduct</i>	-4.58		
		<i>For >100 To 500, Deduct</i>	-8.74		
		<i>For >500 To 1,000, Deduct</i>	-16.23		
		<i>For >1,000, Deduct</i>	-21.65		
21 13 13 00-0280	EA	5' Long Stainless Steel Flexible Sprinkler Piping	70.49		14.07
		Note: Includes ceiling mounting bracket.			
		<i>For >25 To 50, Deduct</i>	-1.44		
		<i>For >50 To 100, Deduct</i>	-4.96		
		<i>For >100 To 500, Deduct</i>	-9.53		
		<i>For >500 To 1,000, Deduct</i>	-17.57		
		<i>For >1,000, Deduct</i>	-23.32		
21 13 13 00-0281	EA	6' Long Stainless Steel Flexible Sprinkler Piping	76.65		15.63
		Note: Includes ceiling mounting bracket.			
		<i>For >25 To 50, Deduct</i>	-1.53		
		<i>For >50 To 100, Deduct</i>	-5.36		
		<i>For >100 To 500, Deduct</i>	-10.34		
		<i>For >500 To 1,000, Deduct</i>	-18.99		
		<i>For >1,000, Deduct</i>	-25.09		
21 13 13 00-0282 Sprinkler Emergency Cabinets <small>(21 13 13 00-0011)</small>					
21 13 13 00-0283	EA	3 Capacity Emergency Sprinkler Cabinet, A4	76.83		
21 13 13 00-0284	EA	6 Capacity Emergency Sprinkler Cabinet, A4	80.74		
21 13 13 00-0285	EA	12 Capacity Emergency Sprinkler Cabinet, A4	85.22		
21 13 13 00-0286	EA	12 Capacity Emergency Sprinkler Cabinet, A3	262.86		
21 13 13 00-0287	EA	Sprinkler Wrench, RC1	124.89		
21 13 13 00-0288	EA	Sprinkler Wrench, FC	124.41		
21 13 13 00-0289	EA	Sprinkler Wrench, W2	41.31		

21 13 16 Dry-Pipe Sprinkler Systems (21 13)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0001		Complete Dry Pipe Sprinkler Systems <small>(21 13 16)</small> Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1351 for individual grooved pipe, 23 21 13 23-1424 for individual grooved pipe fittings.		
21 13 16 00-0002		Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	351.18	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	162.42	
		<i>For >5 To 10, Add</i>	89.98	
		<i>For >10 To 20, Add</i>	68.03	
		<i>For >20 To 40, Add</i>	28.53	
		<i>For >100 To 150, Deduct</i>	-35.12	
		<i>For >150, Deduct</i>	-70.24	
		<i>For Copper Pipe, Add</i>	41.71	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-59.26	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	13.17	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head	441.20	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		<i>For Up To 5, Add</i>	206.25	
		<i>For >5 To 10, Add</i>	118.54	
		<i>For >10 To 20, Add</i>	88.77	
		<i>For >20 To 40, Add</i>	36.94	
		<i>For >100 To 150, Deduct</i>	-44.12	
		<i>For >150, Deduct</i>	-88.24	
		<i>For Copper Pipe, Add</i>	51.30	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-73.36	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	14.35	
21 13 16 00-0005		Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	356.16	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	164.14	
		<i>For >5 To 10, Add</i>	89.79	
		<i>For >10 To 20, Add</i>	68.12	
		<i>For >20 To 40, Add</i>	28.64	
		<i>For >100 To 150, Deduct</i>	-35.62	
		<i>For >150, Deduct</i>	-71.23	
		<i>For Copper Pipe, Add</i>	42.59	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-60.40	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	13.95	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head	443.97	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		<i>For Up To 5, Add</i>	207.00	
		<i>For >5 To 10, Add</i>	117.91	
		<i>For >10 To 20, Add</i>	88.51	
		<i>For >20 To 40, Add</i>	36.90	
		<i>For >100 To 150, Deduct</i>	-44.40	
		<i>For >150, Deduct</i>	-88.79	
		<i>For Copper Pipe, Add</i>	51.89	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-74.09	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	14.99	
21 13 16 00-0008		Extra Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	334.07	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	153.82	
		<i>For >5 To 10, Add</i>	83.89	
		<i>For >10 To 20, Add</i>	63.70	
		<i>For >20 To 40, Add</i>	26.80	
		<i>For >100 To 150, Deduct</i>	-33.41	
		<i>For >150, Deduct</i>	-66.81	
		<i>For Copper Pipe, Add</i>	40.01	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-56.72	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	13.21	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head.....	413.31	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	192.72	
		For >5 To 10, Add	109.81	
		For >10 To 20, Add	82.42	
		For >20 To 40, Add	34.36	
		For >100 To 150, Deduct	-41.33	
		For >150, Deduct	-82.66	
		For Copper Pipe, Add	48.30	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-68.97	
		For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
		For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
		For Galvanized Pipe, Add	13.94	
21 13 16 00-0011		Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,783.51	223.00
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,863.37	223.00
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	1,930.75	223.00
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	2,192.77	223.00
21 13 16 00-0016		Dry Pipe Sprinkler System Components (21 13 16)		
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017		Dry Pipe Valves (21 13 16 00-0016)		
		Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve.....	2,511.47	100.49
21 13 16 00-0019	EA	3" Dry Pipe Valve.....	2,796.56	115.10
21 13 16 00-0020	EA	4" Dry Pipe Valve.....	3,126.51	195.50
21 13 16 00-0021	EA	6" Dry Pipe Valve.....	3,964.71	246.65
21 13 16 00-0022		Dry Pipe Valve Trim (21 13 16 00-0016)		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim.....	1,239.10	212.67
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim.....	1,239.10	212.67
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim.....	1,435.25	291.59
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim.....	1,625.26	405.60
21 13 16 00-0027		Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	161.94	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-10.44	
		For >100 To 500, Deduct	-21.41	
		For >500 To 1,000, Deduct	-37.12	
		For >1,000, Deduct	-46.50	
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	168.57	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-10.77	
		For >100 To 500, Deduct	-22.24	
		For >500 To 1,000, Deduct	-38.31	
		For >1,000, Deduct	-47.69	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	175.20	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-11.10	
		For >100 To 500, Deduct	-23.07	
		For >500 To 1,000, Deduct	-39.51	
		For >1,000, Deduct	-48.89	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	181.85	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-11.44	
		For >100 To 500, Deduct	-23.90	
		For >500 To 1,000, Deduct	-40.70	
		For >1,000, Deduct	-50.08	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	188.48	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-11.77	
		For >100 To 500, Deduct	-24.73	
		For >500 To 1,000, Deduct	-41.90	
		For >1,000, Deduct	-51.28	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	195.11	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-12.10	
		For >100 To 500, Deduct	-25.56	
		For >500 To 1,000, Deduct	-43.09	
		For >1,000, Deduct	-52.47	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	201.74	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-12.43	
		For >100 To 500, Deduct	-26.39	
		For >500 To 1,000, Deduct	-44.28	
		For >1,000, Deduct	-53.66	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	208.38	15.48
		For >25 To 50, Deduct	-2.34	
		For >50 To 100, Deduct	-12.76	
		For >100 To 500, Deduct	-27.22	
		For >500 To 1,000, Deduct	-45.48	
		For >1,000, Deduct	-54.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0036	EA	27"	To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	215.00	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.09	
			<i>For >100 To 500, Deduct</i>	-28.05	
			<i>For >500 To 1,000, Deduct</i>	-46.67	
			<i>For >1,000, Deduct</i>	-56.05	
21 13 16 00-0037	EA	30"	To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	221.64	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.43	
			<i>For >100 To 500, Deduct</i>	-28.88	
			<i>For >500 To 1,000, Deduct</i>	-47.87	
			<i>For >1,000, Deduct</i>	-57.24	
21 13 16 00-0038	EA	33"	To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	228.28	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.76	
			<i>For >100 To 500, Deduct</i>	-29.71	
			<i>For >500 To 1,000, Deduct</i>	-49.06	
			<i>For >1,000, Deduct</i>	-58.44	
21 13 16 00-0039	EA	36"	To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	234.91	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-14.09	
			<i>For >100 To 500, Deduct</i>	-30.54	
			<i>For >500 To 1,000, Deduct</i>	-50.26	
			<i>For >1,000, Deduct</i>	-59.63	
21 13 16 00-0040	EA	39"	To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	241.56	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-14.42	
			<i>For >100 To 500, Deduct</i>	-31.37	
			<i>For >500 To 1,000, Deduct</i>	-51.45	
			<i>For >1,000, Deduct</i>	-60.83	
21 13 16 00-0041	EA	42"	To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head	248.18	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-14.75	
			<i>For >100 To 500, Deduct</i>	-32.19	
			<i>For >500 To 1,000, Deduct</i>	-52.64	
			<i>For >1,000, Deduct</i>	-62.02	
21 13 16 00-0042	EA	45"	To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendant Dry Pipe Sprinkler Head.....	254.82	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-15.09	
			<i>For >100 To 500, Deduct</i>	-33.02	
			<i>For >500 To 1,000, Deduct</i>	-53.84	
			<i>For >1,000, Deduct</i>	-63.22	

21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)

21 13 16 00-0044	EA	3-1/2"	To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	160.34	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-10.36	
			<i>For >100 To 500, Deduct</i>	-21.21	
			<i>For >500 To 1,000, Deduct</i>	-36.83	
			<i>For >1,000, Deduct</i>	-46.21	
21 13 16 00-0045	EA	6"	To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	166.98	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-10.69	
			<i>For >100 To 500, Deduct</i>	-22.04	
			<i>For >500 To 1,000, Deduct</i>	-38.03	
			<i>For >1,000, Deduct</i>	-47.41	
21 13 16 00-0046	EA	9"	To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	173.63	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-11.03	
			<i>For >100 To 500, Deduct</i>	-22.88	
			<i>For >500 To 1,000, Deduct</i>	-39.22	
			<i>For >1,000, Deduct</i>	-48.60	
21 13 16 00-0047	EA	12"	To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	180.24	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-11.36	
			<i>For >100 To 500, Deduct</i>	-23.70	
			<i>For >500 To 1,000, Deduct</i>	-40.41	
			<i>For >1,000, Deduct</i>	-49.79	
21 13 16 00-0048	EA	15"	To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	186.88	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-11.69	
			<i>For >100 To 500, Deduct</i>	-24.53	
			<i>For >500 To 1,000, Deduct</i>	-41.61	
			<i>For >1,000, Deduct</i>	-50.99	
21 13 16 00-0049	EA	18"	To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	193.51	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-12.02	
			<i>For >100 To 500, Deduct</i>	-25.36	
			<i>For >500 To 1,000, Deduct</i>	-42.80	
			<i>For >1,000, Deduct</i>	-52.18	
21 13 16 00-0050	EA	21"	To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	200.16	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-12.35	
			<i>For >100 To 500, Deduct</i>	-26.19	
			<i>For >500 To 1,000, Deduct</i>	-44.00	
			<i>For >1,000, Deduct</i>	-53.38	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0051	EA	24"	To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	206.79	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-12.68	
			<i>For >100 To 500, Deduct</i>	-27.02	
			<i>For >500 To 1,000, Deduct</i>	-45.19	
			<i>For >1,000, Deduct</i>	-54.57	
21 13 16 00-0052	EA	27"	To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	213.41	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.02	
			<i>For >100 To 500, Deduct</i>	-27.85	
			<i>For >500 To 1,000, Deduct</i>	-46.39	
			<i>For >1,000, Deduct</i>	-55.76	
21 13 16 00-0053	EA	30"	To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	220.04	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.35	
			<i>For >100 To 500, Deduct</i>	-28.68	
			<i>For >500 To 1,000, Deduct</i>	-47.58	
			<i>For >1,000, Deduct</i>	-56.96	
21 13 16 00-0054	EA	33"	To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	226.68	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-13.68	
			<i>For >100 To 500, Deduct</i>	-29.51	
			<i>For >500 To 1,000, Deduct</i>	-48.77	
			<i>For >1,000, Deduct</i>	-58.15	
21 13 16 00-0055	EA	36"	To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	233.32	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-14.01	
			<i>For >100 To 500, Deduct</i>	-30.34	
			<i>For >500 To 1,000, Deduct</i>	-49.97	
			<i>For >1,000, Deduct</i>	-59.35	
21 13 16 00-0056	EA	39"	To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	253.23	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-15.01	
			<i>For >100 To 500, Deduct</i>	-32.83	
			<i>For >500 To 1,000, Deduct</i>	-53.55	
			<i>For >1,000, Deduct</i>	-62.93	
21 13 16 00-0057	EA	42"	To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	259.86	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-15.34	
			<i>For >100 To 500, Deduct</i>	-33.65	
			<i>For >500 To 1,000, Deduct</i>	-54.75	
			<i>For >1,000, Deduct</i>	-64.12	
21 13 16 00-0058	EA	45"	To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	262.51	15.48
			<i>For >25 To 50, Deduct</i>	-2.34	
			<i>For >50 To 100, Deduct</i>	-15.47	
			<i>For >100 To 500, Deduct</i>	-33.99	
			<i>For >500 To 1,000, Deduct</i>	-55.22	
			<i>For >1,000, Deduct</i>	-64.60	

21 13 19 Preaction Sprinkler Systems (21 13)

21 13 19 00-0001	Complete Preaction Sprinkler Systems (21 13 19)				
	Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1351 for individual grooved pipe, 23 21 13 23-1424 for individual grooved pipe fittings.				
21 13 19 00-0002	Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)				
21 13 19 00-0003	EA		Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	336.72	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	156.36	
			<i>For >5 To 10, Add</i>	99.85	
			<i>For >10 To 20, Add</i>	66.18	
			<i>For >20 To 40, Add</i>	27.67	
			<i>For >100 To 150, Deduct</i>	-33.67	
			<i>For >150, Deduct</i>	-67.34	
21 13 19 00-0004	Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)				
21 13 19 00-0005	EA		Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	313.51	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	145.60	
			<i>For >5 To 10, Add</i>	92.99	
			<i>For >10 To 20, Add</i>	61.64	
			<i>For >20 To 40, Add</i>	25.77	
			<i>For >100 To 150, Deduct</i>	-31.35	
			<i>For >150, Deduct</i>	-62.70	

21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)

21 13 26 00-0001	Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)				
21 13 26 00-0002	Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)				
21 13 26 00-0003	EA	3"	Deluge Valve With Trim And Release Equipment	5,389.99	434.19
21 13 26 00-0004	EA	4"	Deluge Valve With Trim And Release Equipment	6,182.45	488.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 26 00-0005	EA		6" Deluge Valve With Trim And Release Equipment	7,643.24	710.44
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21 13 39 Foam-Water Systems (21 13)

21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)

21 13 39 00-0002 Control Valves (21 13 39 00-0001)

21 13 39 00-0003	EA		3" Foam Control Valve.....	2,508.92	434.19
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21 13 39 00-0004 Supply Valves (21 13 39 00-0001)

21 13 39 00-0005	EA		2-1/2" Foam Supply Valve	2,252.87	488.42
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21 13 39 00-0006 Proportioners (21 13 39 00-0001)

21 13 39 00-0007	EA		8" Foam Proportioner.....	1,828.79	710.44
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21 13 39 00-0008 Monitors (21 13 39 00-0001)

21 13 39 00-0009	EA		Oscillating Foam Monitor	2,638.89	97.69
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21 13 41 Fire-Suppression Sprinkler Piping (21 13)

See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0753 for flanged black steel pipe fittings, 23 21 13 23-1351 for grooved pipe, 23 21 13 23-1424 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)

Note: SDR 13.5

21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)

21 13 41 00-0003	LF		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.37	1.25
21 13 41 00-0004	LF		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.28	1.32
21 13 41 00-0005	LF		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.69	1.49
21 13 41 00-0006	LF		1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.23	1.64
21 13 41 00-0007	LF		2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.65	1.80
21 13 41 00-0008	LF		2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	14.69	2.03
21 13 41 00-0009	LF		3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	20.63	2.43

21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0011	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	20.38	7.50
21 13 41 00-0012	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	27.06	9.38
21 13 41 00-0013	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.86	11.73
21 13 41 00-0014	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	38.84	12.97
21 13 41 00-0015	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	44.15	14.54
21 13 41 00-0016	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	56.41	16.49
21 13 41 00-0017	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	69.37	19.54

21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0019	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	20.95	7.50
21 13 41 00-0020	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	26.14	9.38
21 13 41 00-0021	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	33.17	11.73
21 13 41 00-0022	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	37.73	12.97
21 13 41 00-0023	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	42.76	14.54
21 13 41 00-0024	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.93	16.49
21 13 41 00-0025	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	65.54	19.54

21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0027	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	30.33	11.25
21 13 41 00-0028	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	39.67	14.14
21 13 41 00-0029	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	50.62	17.66
21 13 41 00-0030	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	58.40	19.54
21 13 41 00-0031	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	68.68	21.72
21 13 41 00-0032	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	85.10	24.78
21 13 41 00-0033	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	100.54	29.22

21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0035	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	36.61	13.21
21 13 41 00-0036	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	47.90	16.49
21 13 41 00-0037	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	53.72	18.21
21 13 41 00-0038	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	63.92	20.32
21 13 41 00-0039	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	75.80	23.13
21 13 41 00-0040	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	89.14	27.27

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 41 00-0041		Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	40.99	15.00
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	51.39	18.83
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	64.80	23.52
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	73.26	26.02
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	86.09	28.99
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	112.12	32.97
21 13 41 00-0048		Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	14.06	5.00
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	18.83	6.72
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	25.00	8.83
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	28.61	9.76
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	32.93	10.87
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	39.71	12.34
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	48.01	14.62
21 13 41 00-0056		Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	7.19	2.50
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	11.41	4.06
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	13.17	4.38
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	15.15	4.84
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.07	5.47
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	21.93	6.18
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	28.74	7.35
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	19.73	7.42
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	26.21	9.69
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	28.96	10.70
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	33.07	11.96
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	39.47	13.60
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	48.37	16.10
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	17.82	5.47
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	22.82	7.42
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	17.82	5.47
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	22.82	7.42
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	20.66	6.72
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	26.47	8.44
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.63	8.44
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	33.87	11.25
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	41.53	14.14
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	54.40	17.66
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	62.40	19.54
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	73.55	21.72

21 20 Fire-Extinguishing Systems (21)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)			
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	1,397.20
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,794.41
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	217.81
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	93.99
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	24.96

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)			
21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)			
Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.			
21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,449.03
			55.29
Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,657.70
			55.29
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,685.13
			55.29
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,395.39
			73.72
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,533.33
			73.72
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,698.35
			92.15
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,866.54
			92.15
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,344.20
			110.58
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230).....	37.27
			110.58
Note: Add to empty tank cost.			
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	135.91
			9.22
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	139.46
			9.22
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	148.37
			9.22
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518).....	154.60
			9.22
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519).....	163.50
			9.22
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	190.19
			9.22
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	135.91
			9.22
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	139.46
			9.22
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604).....	148.37
			9.22
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605).....	154.60
			9.22
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606).....	163.50
			9.22
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607).....	190.19
			9.22
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)			
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	11.02
			2.77
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	12.55
			2.77
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	15.40
			6.45
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	40.69
			8.26
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	62.78
			8.26
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	76.87
			8.26
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	35.60
			8.26
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	237.32
			73.72
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	238.72
			55.29
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	568.38
			73.72
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	39.80
			9.22
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	43.81
			9.22
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	122.93
			27.64
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	130.93
			27.64
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	141.17
			27.64
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	366.56
			29.34

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 22 16 00-0046	EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	511.18	50.35
21 22 16 00-0047	Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048	EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	107.16	18.44
21 22 16 00-0049	EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	434.67	18.44
21 22 16 00-0050	EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	364.35	18.44
21 22 16 00-0051	EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841).....	1,596.24	73.72
21 22 16 00-0052	Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053	EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	36.78	12.90
21 22 16 00-0054	EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	70.05	12.90
21 22 16 00-0055	EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471).....	205.33	9.22
21 22 16 00-0056	EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	263.54	9.22
21 22 16 00-0057	Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058	EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585).....	132.90	36.86
21 22 16 00-0059	EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156).....	147.54	15.48
21 22 16 00-0060	EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	443.15	64.50
21 22 16 00-0061	Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062	EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	557.97	12.90
21 22 16 00-0063	EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	584.68	12.90
21 22 16 00-0064	EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	623.31	18.44
21 22 16 00-0065	Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066	EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342).....	36.35	11.06
21 22 16 00-0067	EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	46.17	12.90
21 22 16 00-0068	EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	146.35	55.29
21 22 16 00-0069	EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	176.88	55.29
21 22 16 00-0070	EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	202.24	55.29
21 22 16 00-0071	EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	284.12	55.29
21 22 16 00-0072	Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	42.29	14.75
21 22 16 00-0074	EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	79.40	9.22
21 22 16 00-0075	EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	103.17	18.44
21 22 16 00-0076	EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	256.02	73.72
21 22 16 00-0077	EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	411.75	73.72
21 22 16 00-0078	EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,503.68	73.72
21 22 16 00-0079	Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080	Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	154.87	18.25
21 22 16 00-0082	EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	181.02	19.62
21 22 16 00-0083	EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	323.77	35.50
21 22 16 00-0084	EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	644.99	80.85
21 22 16 00-0085	Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,636.59	106.71
21 22 16 00-0087	Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088	EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	45.90	5.60
21 22 16 00-0089	EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	543.54	59.96
21 22 16 00-0090	EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,691.42	187.61
21 22 16 00-0091	EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,604.13	191.12
21 22 16 00-0092	Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
Note: Includes CV98 valve. Factory filled with Inergen agent.			
21 22 16 00-0093	EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,400.62	171.70
21 22 16 00-0094	EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	1,588.91	194.53
21 22 16 00-0095	EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,290.71	252.08
21 22 16 00-0096	EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,275.36	308.04
21 22 16 00-0097	EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,633.47	216.90
21 22 16 00-0098	EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,335.60	274.54
21 22 16 00-0099	EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,379.89	331.02
21 22 16 00-0100	Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101	EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	52.98	6.24
21 22 16 00-0102	EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	52.98	6.24
21 22 16 00-0103	EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	64.29	6.93

			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,009.44	119.15
			21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	17.12	1.83
			21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	24.28	2.61
			21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	18.86	2.04
			21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	17.33	2.04
			21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	75.43	8.79
			21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	79.11	9.21
			21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	92.02	10.63
			21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	102.44	12.01
			21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	117.52	13.80
			21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	115.42	13.61
			21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	119.80	14.01
			21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	110.50	12.97
			21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	112.68	14.01
			21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	131.39	15.41
			21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	140.50	16.41
			21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	151.20	17.61
			21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	260.11	30.82
			21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	343.94	40.42
			21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	374.81	44.43
			21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	134.34	16.00
			21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	158.54	18.74
			21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	130.49	15.41
			21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	139.46	16.33
			21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	140.67	16.41
			21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143).....	169.80	19.93
			21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157).....	182.93	21.61
			21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	280.81	33.17
			21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145).....	327.79	38.83
			21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	359.19	42.42
			21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	151.20	17.61
			21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	185.41	21.93
			21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	199.41	23.62
			21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	280.81	33.17
			21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	306.75	36.34
			21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	360.41	42.42
			21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057).....	418.98	49.75
			21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058).....	495.25	58.84
			21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823).....	633.23	116.08
			21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824).....	820.85	136.09
			21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825).....	1,028.10	228.15
			21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	616.31	116.08
			21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	681.87	81.07
			21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,028.10	228.15
			21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	630.55	116.08
			21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854).....	708.71	84.25
			21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,006.74	228.15
			21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	706.85	88.46
			21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
			21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,163.42	137.23
			21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	1,664.04	182.87
			21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	1,769.18	186.02
			21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	82.28	9.46
			21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	97.57	12.53
			21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	948.75	97.91
			21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0166	EA		1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	104.64	9.30
21 22 16 00-0167	EA		3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	109.65	9.79
21 22 16 00-0168	EA		1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	115.33	9.95
21 22 16 00-0169	EA		1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	124.00	10.29
21 22 16 00-0170	EA		1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	128.68	11.29
21 22 16 00-0171	EA		2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	128.75	12.20
21 22 16 00-0172	EA		2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	278.68	32.69
21 22 16 00-0173	EA		3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	281.14	33.03
21 22 16 00-0174	EA		4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	360.41	42.31
21 22 16 00-0175			Single Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0176	EA		Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	131.39	15.41
21 22 16 00-0177	EA		Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705)	171.26	35.22
			Note: Includes saddle, padding and fasteners.		
21 22 16 00-0178			Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179	EA		2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	353.09	22.78
			Note: Includes gasket and fasteners.		
21 22 16 00-0180	EA		3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	287.83	34.01
			Note: Includes gasket and fasteners.		
21 22 16 00-0181	EA		4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	535.12	228.15
			Note: Includes gasket and fasteners.		
21 22 16 00-0182	EA		2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	180.49	21.27
			Note: Includes gasket and fasteners.		
21 22 16 00-0183	EA		3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860)	211.87	24.82
			Note: Includes gasket and fasteners.		
21 22 16 00-0184	EA		4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861)	530.63	228.15
			Note: Includes gasket and fasteners.		
21 22 16 00-0185	EA		2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	187.83	22.27
			Note: Includes gasket and fasteners.		
21 22 16 00-0186	EA		3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	220.13	25.96
			Note: Includes gasket and fasteners.		
21 22 16 00-0187	EA		4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	552.87	228.15
			Note: Includes gasket and fasteners.		
21 22 16 00-0188	EA		2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	38.44	1.69
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189	EA		3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	38.77	1.86
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190	EA		4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	41.64	2.20
			Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191			Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192	EA		Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	22.99	2.71
21 22 16 00-0193	EA		Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	190.16	20.58
21 22 16 00-0194	EA		85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	138.57	20.58
			Note: Includes upright, left, right and center.		
21 22 16 00-0195			Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>		
21 22 16 00-0196			Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197	EA		Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	147.98	17.76
21 22 16 00-0198	EA		Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	168.14	20.24
21 22 16 00-0199	EA		Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	213.88	25.72
21 22 16 00-0200	EA		Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	230.37	27.71
21 22 16 00-0201	EA		Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	288.39	34.85
21 22 16 00-0202	EA		Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	306.99	37.01
21 22 16 00-0203	EA		Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	588.15	71.36
21 22 16 00-0204	EA		Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	47.63	5.31
21 22 16 00-0205			Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206	EA		Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	128.16	15.43
21 22 16 00-0207	EA		Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	187.95	22.57
21 22 16 00-0208	EA		Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	17.14	2.06
21 22 16 00-0209			Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210	EA		80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,475.88	179.05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,237.28	150.01
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	960.46	116.49
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	836.55	101.39
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	836.55	101.39
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	670.20	81.14
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,237.28	150.01
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	251.75	30.37
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	315.55	38.17
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	632.67	76.66
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	106.95	12.86
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	145.30	17.76
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	251.76	30.37
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	194.97	24.73
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	11.96	1.69
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	89.59	2.06
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	12.79	2.06
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	433.15	55.42
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	259.79	33.03
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	193.34	21.24
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	404.00	44.97
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	455.80	50.94
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	598.41	62.06
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	960.23	107.70
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	143.09	17.09
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	255.43	30.86
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	519.43	62.89
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,509.85	183.20
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,104.21	133.91
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	116.30	14.19
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	108.13	14.11
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	145.88	20.24
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	218.80	26.39
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	169.58	21.40
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	159.02	20.58
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	25.32	3.28
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	93.76	11.61
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	93.97	11.29
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	30.26	9.30

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	8.65		1.03
		Note: Converts BX501 to low profile base.			
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	90.45		10.87
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	52.98		6.41
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	143.62		16.93
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	75.04		8.96
21 22 16 00-0258		Manual Pull Stations, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)			
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	21.71		2.41
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	13.56		1.32
21 22 16 00-0261		Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)			
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	187.95		22.57
		Note: Includes municipal box and remote station connection.			
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	567.06		64.88
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,078.29		130.76
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	28.82		3.39
21 22 16 00-0266		Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0001)			
21 22 16 00-0267		Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)			
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	147.27		15.93
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	260.90		24.01
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	816.35		92.92
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	816.35		92.92
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,226.71		139.39
		Note: Includes housing and battery cab.			
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,226.71		139.39
		Note: Includes housing and battery cab.			
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,808.47		177.55
21 22 16 00-0275		Blank Plates, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)			
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	26.33		2.99
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	40.67		2.99
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	58.20		5.64
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	92.21		6.31
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	113.01		12.61
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	214.02		15.93
21 22 16 00-0282		Detectors, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)			
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)	6,116.10		779.91
		Note: Includes 3 blank plates.			
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	7,824.02		962.44
		Note: Includes centrally mounted LCD programmer module and standard display.			
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	7,068.89		879.47
		Note: Includes centrally mounted LCD programmer.			
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	9,867.77		1,161.56
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	10,385.95		1,227.94
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	9,973.95		1,178.15
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.			
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360)	10,533.56		1,244.53
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.			
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361)	10,825.60		1,294.31
		Note: Includes 2 blank plates and scan display module at far right.			
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363)	11,288.90		1,360.69
		Note: Includes 2 blank plates and scanner display.			
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365)	11,867.62		1,427.06
		Note: Includes centrally mounted programmer module.			
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367)	12,370.98		1,493.44
		Note: Includes centrally mounted LCD programmer module and scanner display module.			
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)	11,653.19		1,360.69
		Note: Includes centrally mounted LCD programmer.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0295		Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,894.81	182.53
Note: Includes a remote termination card and 7 relays.				
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,904.61	182.53
Note: Includes a remote termination card and 7 relays.				
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,715.60	165.94
Note: Includes a remote termination card without relays.				
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,726.98	165.94
Note: Includes a remote termination card.				
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	2,138.38	199.13
Note: Includes a remote termination card and 12 relays.				
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,815.11	172.58
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,983.84	193.81

21 22 16 00-0303		Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	4,709.80	547.60
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,886.88	438.08
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,367.42	165.94
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	991.60	107.86
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,384.60	145.36
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442).....	1,656.32	179.22
Note: Interface connects PC and LaserPLUS system.				
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	261.50	26.88
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,757.23	165.94
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,243.23	137.73
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	977.62	106.20
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,245.36	137.73
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,243.23	137.73
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,233.46	129.44
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	147.71	11.61
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	5,952.40	637.20
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	10,369.15	1,115.10
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	812.86	82.97
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	18.65	1.66
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	10.89	0.33
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	446.32	48.12
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	540.65	58.41
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	780.27	84.63
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	114.88	12.61
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	17.52	2.66

21 22 16 00-0328		Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	16.18	1.99
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	16.85	2.32
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	26.33	2.99
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	26.38	2.99
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	95.32	11.29

21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	237.84	23.89
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	320.65	31.86
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	326.69	34.85
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	815.86	49.78
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,178.75	109.52

21 22 16 00-0340		Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	4.44	1.25
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	7.35	2.50
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494).....	19.83	7.50
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493).....	20.64	7.50

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	14.33		5.00
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	23.43		7.50
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	30.65		11.25
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	38.90		13.21
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	3.82		1.20
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	16.03		3.65
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	20.65		2.66
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	29.71		3.65
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)					
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,379.38		127.44
Note: Remote box includes 7 relays for VLP/VLC.					
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,395.98		146.69
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	844.48		89.61
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	965.63		101.22
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,379.38		127.44
Note: Remote box includes 7 relays for VLS.					
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,668.77		146.69
Note: Remote box includes 12 relays for VLS.					
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	471.27		45.13
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	708.16		69.03
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,326.14		142.71
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,945.64		209.08
21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)					
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)					
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	104.84		11.61
Note: Excludes FMM-101.					
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	78.46		8.63
21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)					
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)					
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,522.54		306.16
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	78.55		7.03
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	76.27		9.13
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	45.41		5.48
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	18.56		2.22
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)					
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	86.62		9.62
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	122.09		13.60
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	952.88		106.86
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	27.72		3.08
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	12.43		1.37
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)					
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)					
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	50.24		5.58
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	92.27		10.78
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	92.27		10.78
21 22 16 00-0386 FM200 System Equipment (21 22 16)					
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,497.19		80.05
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,582.68		91.66
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,252.89		108.07
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,638.49		128.08
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,818.66		160.11
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system.....	532.67		160.11
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	186.13		53.24
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	230.54		40.03
21 22 16 00-0395	LB	FM200 Gas	19.34		
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system.....	4,085.96		43.07
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	580.06		60.20
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	577.47		64.53
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	143.02		22.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system.....	165.54	43.07
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system.....	750.58	64.53
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system.....	550.35	170.19
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system.....	2,941.05	319.73
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system.....	4,750.62	640.18
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system.....	231.52	64.53
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system.....	2,383.84	242.32
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system.....	251.94	64.53
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system.....	229.55	64.53
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system.....	1,070.85	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system.....	160.48	30.01

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003 EA 125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	709.41	66.35
21 23 16 00-0004 EA 260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	813.57	82.64
21 23 16 00-0005 EA 400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	996.75	101.96
21 23 16 00-0006 EA 600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,176.89	120.97
21 23 16 00-0007 EA Discharge Adapter Kit (One Required Per Cylinder).....	39.82	3.47
21 23 16 00-0008 EA System Valve Actuator.....	142.72	13.79
21 23 16 00-0009 EA Vent Plug.....	26.72	2.80
21 23 16 00-0010 EA Gauge Shield.....	64.77	7.37
21 23 16 00-0011 EA 125 Cylinder Wall Mounting Bracket.....	73.49	7.37
21 23 16 00-0012 EA 260 Cylinder Wall Mounting Bracket.....	77.91	7.81
21 23 16 00-0013 EA 400S And M Cylinder Wall Mounting Bracket.....	148.11	14.75
21 23 16 00-0014 EA 600 And 400M Cylinder Shelf Bracket.....	145.04	16.74
21 23 16 00-0015 EA 600 And 400M Cylinder Floor Mounting Kit.....	192.19	16.77
21 23 16 00-0016 EA 125 And 260 Cylinder Replacement Bracket Strap.....	25.95	
21 23 16 00-0017 EA 400 And 600 Cylinder Replacement Bracket Strap.....	27.38	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019 EA ADP, F, GRW Or R Nozzle.....	65.87	6.78
21 23 16 00-0020 EA LPF Or DM Nozzle.....	71.75	6.78
21 23 16 00-0021 EA LPR Nozzle.....	83.84	6.78
21 23 16 00-0022 EA 3/8" Swivel Adapter For Nozzles.....	49.49	4.79
21 23 16 00-0023 EA Removal And Replacement Of Nozzle Seals.....	7.79	
21 23 16 00-0024 EA Chrome Nozzle Disc Cap.....	4.81	0.44
21 23 16 00-0025 EA LPR Nozzle Disc Cap.....	24.92	6.74

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027 EA XV Control System.....	818.79	44.23
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.		
21 23 16 00-0028 EA 7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	69.06	7.37
21 23 16 00-0029 EA 24" High Pressure Hose.....	81.92	7.37
21 23 16 00-0030 EA 60" High Pressure Hose.....	110.51	7.37
21 23 16 00-0031 EA XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	159.55	14.75
21 23 16 00-0032 EA XV Microswitch Kit, SPDT.....	52.45	6.93
21 23 16 00-0033 EA XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	56.74	6.93
21 23 16 00-0034 EA EMT Connector Kit (EMT Connector And O-Ring).....	22.49	5.53
21 23 16 00-0035 EA KRS-50 Control Box Assembly.....	460.16	28.56
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.		
21 23 16 00-0036 EA SPDT Microswitch For KRS-50.....	69.05	6.93
21 23 16 00-0037 EA DPDT Microswitch For KRS-50.....	125.06	12.02
21 23 16 00-0038 EA SPDT Pressure Switch (Fire Department Tie-In).....	383.61	38.56

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040 EA Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	42.08	11.06
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.		
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	59.27	11.06
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	163.39	7.37
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip.....	124.80	7.37
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems.....	19.24	1.99
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	269.75	12.17
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems.....	32.28	3.24
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	65.97	3.69
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems.....	1.84	0.74
21 23 16 00-0049 EA Cable Clamp.....	9.32	0.36
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.23	0.29
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	1.18	0.29
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	68.87	6.85

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 23 16 00-0054	EA	KGS Standard Response Link	14.18	3.69
21 23 16 00-0055	EA	KGS Rapid Response Link	20.99	3.69
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	17.94	3.69
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	17.37	3.69
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	25.95	3.69
21 23 16 00-0059		Gas Valves <small>(21 23 16 00-0001)</small>		
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	314.88	15.93
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	342.26	19.61
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	392.55	24.77
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	430.48	28.53
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	464.34	33.69
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	771.44	49.24
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	860.98	56.98
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	357.71	17.99
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	42.50	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	329.11	14.82
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	331.33	15.93
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	512.56	19.61
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	541.72	24.77
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	621.92	28.53
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	800.25	33.69
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,324.63	49.24
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	1,665.51	56.98
21 23 16 00-0077	EA	Manual Reset Relay	435.95	74.08
21 23 16 00-0078		Liquid Tight Sealing Adapters <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	35.55	3.09
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	34.92	3.40
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	40.98	4.05
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	47.40	4.35
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	40.98	4.05
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	34.92	3.40
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	34.92	3.40
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	57.28	5.75
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	76.27	7.59
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	34.92	
21 23 16 00-0089		Pressure Operated Releasing Systems <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	254.74	22.27
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	227.44	22.71
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	182.62	5.60
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	653.39	64.21
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	139.06	13.72
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	212.92	13.72
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	212.06	9.73
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	64.13	6.20
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	8.49	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	523.68	51.61
21 23 16 00-0100		Pyro-Chem Kitchen Fire Suppression Systems <small>(21 23 16)</small>		
21 23 16 00-0101		Cylinders, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	577.10	52.34
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	831.29	75.42
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,091.81	103.13
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	118.33	12.31
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	779.05	80.50
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	475.66	49.10
21 23 16 00-0108		Fusible Links, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	15.35	1.62
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	15.35	1.62
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	15.72	1.62
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	15.35	1.62
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	15.35	1.62
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	16.69	1.62
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	26.61	2.73
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	34.54	3.61
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	42.98	18.65
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	332.64	41.51
21 23 16 00-0119		Gas Valves, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	276.95	15.93
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	315.52	19.61
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	340.74	24.77
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	374.89	28.45
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	431.28	33.62

		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	1,003.17	49.17	
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,070.69	56.91	
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	217.50	15.93	
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	370.51	19.61	
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	386.80	24.77	
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	440.26	28.45	
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	609.59	33.62	
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,178.49	49.17	
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,243.06	56.91	
21 23 16 00-0134		Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	55.06	5.46	
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	78.16	6.93	
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	300.97	6.93	
21 23 16 00-0138		Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	20.33	2.14	
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	665.98	69.22	
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	848.65	88.54	
21 23 16 00-0142		Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	435.35	45.34	
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	525.30	54.63	
21 23 16 00-0145		Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	480.33	49.98	
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	501.33	52.26	
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	653.02	67.97	
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	749.13	78.15	
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	60.84	6.34	
21 23 16 00-0151		Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	15.20	1.03	
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	15.67	1.32	
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	48.79	5.08	
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.62		
21 23 16 00-0156		Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	53.07	5.53	
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	106.27	10.99	
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	224.90	23.30	
21 23 16 00-0160		Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.09	0.22	
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.65	0.22	
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.64	0.29	
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.45		
21 23 16 00-0165		Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	50.41	5.31	
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	52.63	5.53	
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	6.17	0.67	
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	72.36	7.23	
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	10.14	1.03	
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	14.11	1.48	
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	6.17	0.67	
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	8.69	0.89	
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	8.50	0.89	
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.43	0.22	
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	4.11		
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	78.62		
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	535.35		
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	695.11		
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	802.88		
21 23 16 00-0181		Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)			
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	24.69	2.51	
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	25.58	2.66	
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	49.25	5.08	
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	69.68		

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)..... 149.78

21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)

21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074) 99.49 10.39
 21 23 16 00-0189 EA Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166) 106.49 14.59
 21 23 16 00-0190 EA Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088) 26.61 2.73
 21 23 16 00-0191 EA Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661) 3.57 0.96

21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)

21 23 16 00-0193 EA Relay Control Panel For AC Solenoid Valves (Asco 108D90C)..... 1,738.16 162.19
 21 23 16 00-0194 EA Relay Control Panel For DC Solenoid Valves (Asco 108D10C) 1,796.86 162.19
 21 23 16 00-0195 EA Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89) 587.15 36.86
 21 23 16 00-0196 EA Emergency Stop Station For Relay Control Panel (Asco 173A19)..... 548.80 36.86

21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)****21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.

21 24 16 00-0002 EA 3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve 439.69 57.21
 21 24 16 00-0003 EA 6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve 613.90 72.08
 21 24 16 00-0004 EA Recharge - KP Liquid Agent (3.75 Gallon) 145.81
 21 24 16 00-0005 EA Recharge - KP Liquid Agent (6 Gallon) 256.31
 21 24 16 00-0006 EA 3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet 102.06 12.00
 21 24 16 00-0007 EA 6 Gallon, Bracket Assembly Agent Cylinder 59.45 6.96
 21 24 16 00-0008 EA 6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit 25.78
 21 24 16 00-0009 EA 6 Gallon, Pneumatic Actuator, Agent Cylinder 102.06 12.00
 21 24 16 00-0010 EA MRM Actuator (Less N2 Cylinder And Enclosure) 256.31 30.08
 21 24 16 00-0011 EA Painted Steel, MRM Enclosure 136.60 16.00
 21 24 16 00-0012 EA Stainless Steel, MRM Enclosure 167.14 16.00
 21 24 16 00-0013 EA Stainless Steel, Single Cylinder System Cabinet 406.72 47.76
 21 24 16 00-0014 EA N2 - 1/4" x 16" Actuation Hose 30.69 3.60
 21 24 16 00-0015 EA 10 CU. Inch, Nitrogen Cylinder 136.60 16.00
 Note: Use For 1-10 Agent Cylinders
 21 24 16 00-0016 EA Vent Check 24.56 2.88
 21 24 16 00-0017 EA Detector 18.41 2.16
 Note: Includes bracket, linkage and conduit fittings.
 21 24 16 00-0018 EA 280 To 450 Degree F, Fusible Link 6.92 0.80
 21 24 16 00-0019 EA Test Link 2.16
 21 24 16 00-0020 EA Corner Pulley 9.51 1.12
 21 24 16 00-0021 EA 1/16", 500 Foot Spool, Cable 153.47 18.00
 21 24 16 00-0022 EA Pulley Tee 69.06 8.08
 21 24 16 00-0023 EA Manual Pull Station (Standard) 61.38 7.20
 21 24 16 00-0024 EA Manual Pull Station, Adapter Kit (Recess Standard Pull Station) 28.79 3.36
 21 24 16 00-0025 EA Manual Pull Station (Oversized) 68.45 8.00
 21 24 16 00-0026 EA Conduit Offset 13.65 1.60
 21 24 16 00-0027 EA 3/8" Pipe Thread, Seal (Quick-Seal) 18.82 2.24
 21 24 16 00-0028 EA 1/2" Pipe Thread, Seal (Quick-Seal) 15.35 1.84
 21 24 16 00-0029 EA 3/8" Pipe Compression Seal 25.63 3.04
 21 24 16 00-0030 EA 1/2" Pipe Compression Seal 25.63 3.04
 21 24 16 00-0031 EA Cap, Nozzle Blow-Off (Standard) 7.08 2.08
 21 24 16 00-0032 EA Cap, Nozzle Blow-Off (High Temperature) 17.06 2.08
 21 24 16 00-0033 EA 2 Flow Points, Fryer/Griddle Nozzle 30.69 3.60
 21 24 16 00-0034 EA 1 Flow Point Each, Appliance, Plenum Nozzle 30.69 3.60
 21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each 30.69 3.60
 21 24 16 00-0036 EA 1/2 Flow Points Each, Upright Charbroiler Nozzle 30.69 3.60
 21 24 16 00-0037 EA 2 Flow Points Each, Duct (Only) Nozzle 30.69 3.60
 21 24 16 00-0038 EA 2 Flow Points Each, Four Burner Range Nozzle 44.14 5.20
 21 24 16 00-0039 EA 3/4" Or 1" Mechanical Gas Valve 245.59 21.20
 21 24 16 00-0040 EA 1-1/4" Or 1-1/2" Mechanical Gas Valve 288.29 30.80
 21 24 16 00-0041 EA 2" Mechanical Gas Valve 359.39 36.40
 21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve) 386.75 45.36
 21 24 16 00-0043 EA SPDT Microswitch With 18" Leads 20.35 2.40
 21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve 32.84 3.84
 21 24 16 00-0045 EA Gas Valve Trip Assembly 69.06 8.08

21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve 466.62 61.85
 21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve 582.47 77.19
 21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve 719.09 95.32
 21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve 854.13 113.16
 21 24 16 00-0051 EA Vent Plug 19.60 2.58
 21 24 16 00-0052 EA Discharge Adapter Kit 25.25
 21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket 51.94 6.85
 21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket 54.96 7.30
 21 24 16 00-0055 EA 4 Gallon Wall Bracket 103.81 13.79
 21 24 16 00-0056 EA 6 Gallon Wall Bracket 115.05 15.26
 21 24 16 00-0057 EA Mechanical Control Head, No Microswitch 405.89 53.82
 21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch 423.47 56.10

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0059	EA			Mechanical Control Head, 2 Microswitches.....	485.79	64.36
21 24 16 00-0060	EA			Tandem Control Head.....	369.14	48.95
21 24 16 00-0061	EA			Electric Control Head, 120 Volt AC / 24 Volt DC.....	624.82	82.79
21 24 16 00-0062	EA			Mechanical Control Box.....	278.05	36.86
21 24 16 00-0063	EA			Tandem Control Box.....	278.05	36.86
21 24 16 00-0064	EA			Mechanical Control Box Adapter.....	81.50	10.83
21 24 16 00-0065	EA			A+ Control head With 1 Pressure Operated Actuator.....	244.91	32.43
21 24 16 00-0066	EA			Pressure Operated Actuator.....	100.67	13.34
21 24 16 00-0067	EA			BMCS-1 Nitrogen Cylinder.....	163.00	21.60
21 24 16 00-0068	EA			BMCS-1 Actuator Assembly.....	166.20	22.04
21 24 16 00-0069	EA			BMCS-1 Mounting Bracket.....	40.74	5.38
21 24 16 00-0070	EA			BMCS-7 Nitrogen Cylinder.....	470.32	62.29
21 24 16 00-0071	EA			BMCS-7 Mounting Bracket.....	100.67	13.34
21 24 16 00-0072	EA			BMCS-7 Discharge Adapter Kit.....	100.67	13.34
21 24 16 00-0073	EA			Check Valve.....	83.89	15.85
21 24 16 00-0074	EA			Vent Check For Use With BMCS Systems.....	45.54	6.04
21 24 16 00-0075	EA			Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	19.82	2.63
21 24 16 00-0076	EA			Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	5.21	
21 24 16 00-0077	EA			Pneumatic Control Head For Slave Cylinders.....	103.87	13.79
21 24 16 00-0078	EA			Nozzles; ADP, F, R And GRW.....	47.62	6.34
21 24 16 00-0079	EA			Nozzles; DM And LPF.....	53.05	7.00
21 24 16 00-0080	EA			Swivel Adapter.....	33.55	4.43
21 24 16 00-0081	EA			Corner Pulley.....	14.38	1.92
21 24 16 00-0082	LF			1/16" Stainless Steel Cable.....	0.62	0.22
21 24 16 00-0083	EA			Cable Crimp Sleeve.....	0.76	0.22
21 24 16 00-0084	EA			"S" Hook.....	0.59	0.15
21 24 16 00-0085	EA			Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	49.52	6.56
21 24 16 00-0086	EA			Cable Clamp.....	4.41	0.59
21 24 16 00-0087	EA			Nico Sleeves - 1/16" Cable.....	0.61	0.15
21 24 16 00-0088	EA			3/8" Cable Anchor.....	52.33	6.93
21 24 16 00-0089	EA			1/2" Cable Anchor.....	52.33	6.93
21 24 16 00-0090	EA			Mechanical Remote Manual Release (Pull Cable).....	84.66	11.21
21 24 16 00-0091	EA			Tee Pulley, Use For Mechanical Pull And Gas Valve.....	90.34	11.95
21 24 16 00-0092	EA			Surface Remote Manual Release, End-of-line.....	105.84	14.01
21 24 16 00-0093	EA			Surface Remote Manual Release, In line Conservation Kit.....	33.16	4.43
21 24 16 00-0094	EA			Surface Remote Manual Release, In line And End Of Line.....	138.96	18.35
21 24 16 00-0095	EA			Recessed Remote Manual Release, End-of-line.....	105.84	14.01
21 24 16 00-0096	EA			Recessed Remote Manual Release, In Line Kit.....	126.18	16.74
21 24 16 00-0097	EA			Pulley Tee, Remote In Line Only.....	22.68	3.02
21 24 16 00-0098	EA			Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	25.18	3.32
21 24 16 00-0099	EA			Fusible Link 165F To 360F.....	8.24	1.10
21 24 16 00-0100	EA			Fusible Link 500F.....	13.11	1.10
21 24 16 00-0101	EA			Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	25.18	3.32
21 24 16 00-0102	EA			Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	18.42	3.32
21 24 16 00-0103	EA			Quartzoid Link 400 F.....	135.76	17.99
21 24 16 00-0104	EA			Quartzoid Link 500 F.....	135.76	17.99
21 24 16 00-0105	EA			SPDT Micro Switch For Use With A Plus Control Box.....	48.66	6.42
21 24 16 00-0106	EA			DPDT Micro Switch For Use With A Plus Control Box.....	84.66	11.21
21 24 16 00-0107	EA			SPDT Micro Switch For Use With A Mechanical Control Box.....	50.31	6.63
21 24 16 00-0108	EA			DPDT Micro Switch For Use With A Mechanical Control Box.....	87.19	11.57
21 24 16 00-0109	EA			SPDT Micro Switch For Use With PRCB.....	63.89	8.48
21 24 16 00-0110	EA			DPDT Micro Switch For Use With PRCB.....	92.16	12.17
21 24 16 00-0111	EA			Pressure Switch, SPDT (Fire Dept. Tie In).....	269.93	35.76
21 24 16 00-0112	EA			Circuit Monitor 12 Or 24 Volt DC.....	121.39	16.07
21 24 16 00-0113	EA			Circuit Monitor 120 Volt AC.....	121.39	16.07
21 24 16 00-0114	EA			Electric Manual Pull Station.....	88.64	11.72
21 24 16 00-0115	EA			6", 24 Volt DC, Motor Bell.....	49.52	6.56
21 24 16 00-0116	EA			10", 115 Volt AC Motor Bell.....	70.28	9.29
21 24 16 00-0117	EA			Fuse, 1.2 For ECH.....	5.70	0.74
21 24 16 00-0118	EA			Indicator Lamp 12 Or 24 Volt DC.....	25.18	3.32
21 24 16 00-0119	EA			Indicator Lamp 120 Volt AC.....	25.18	3.32
21 24 16 00-0120	EA			B-10 Manual Station Dual Action, SPDT.....	92.64	12.24
21 24 16 00-0121	EA			B-11 Manual Station Dual Action, DPDT.....	102.23	13.56
21 24 16 00-0122	EA			Break Rods For B10/B11 Manual Pull Station.....	2.63	0.96
21 24 16 00-0123	EA			Spare Key For B10/B11 Manual Stations.....	12.79	1.70
21 24 16 00-0124	EA			MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill.....	137.36	18.21
21 24 16 00-0125	EA			Suppression Abort Station.....	145.35	19.24
21 24 16 00-0126	EA			Suppression Abort Station With Surface Mount Back Box.....	169.30	22.41
21 24 16 00-0127	EA			Surface Mount Back Box.....	55.91	7.37
21 24 16 00-0128	EA			Single Hazard Control Unit, 120 Volt AC IP.....	1,038.17	137.34
21 24 16 00-0129	EA			Single Hazard Control Unit, 240 Volt AC IP.....	1,038.17	137.34
21 24 16 00-0130	EA			1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.....	86.24	11.43
21 24 16 00-0131	EA			Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W).....	3.31	0.52
21 24 16 00-0132	EA			Spare Scorpio Circuit Board.....	750.64	
21 24 16 00-0133	EA			Extra Scorpio Key.....	12.78	
21 24 16 00-0134	EA			Extra Scorpio Manual.....	7.98	
21 24 16 00-0135	EA			Compression Seal Adapter 3/8" Pipe.....	21.72	2.87
21 24 16 00-0136	EA			Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	23.58	3.09
21 24 16 00-0137	EA			Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	28.37	3.76
21 24 16 00-0138	EA			Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	30.34	3.98
21 24 16 00-0139	EA			Quik Seal Adapter 3/8" NPT Female.....	23.58	3.09
21 24 16 00-0140	EA			Quik Seal Adapter 1/2" NPT Female.....	23.58	3.09
21 24 16 00-0141	EA			Quik Seal Adapter 3/4" NPT Female.....	40.35	5.38
21 24 16 00-0142	EA			Quik Seal Adapter 1" NPT Female.....	53.51	7.07
21 24 16 00-0143	EA			Quik Patch (Up To 1-1/8" Diameter).....	23.58	3.09

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	52.49	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	90.23	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge.....	136.39	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge.....	199.58	
21 24 16 00-0148	EA	Inlet Flushing Adapter.....	39.13	5.16
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet).....	39.13	5.16
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet).....	39.13	5.16
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet).....	39.13	5.16
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet).....	39.13	5.16
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only).....	54.30	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB.....	4.33	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan).....	5.21	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only).....	3.62	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box.....	2.56	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	686.76	90.89
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	801.76	106.08
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	998.22	132.11
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	998.22	132.11
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,255.36	166.09
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	594.93	78.73
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	559.00	73.94
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322.....	451.98	59.78
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	782.58	103.58
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	717.10	94.87

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump.....	41,501.48	1,452.73
		<i>For Duplex Pumping System, Add</i>	<i>40,048.76</i>	
21 31 13 00-0003	EA	30 HP Electric Fire Pump.....	48,455.33	1,634.31
		<i>For Duplex Pumping System, Add</i>	<i>46,942.08</i>	
21 31 13 00-0004	EA	40 HP Electric Fire Pump.....	66,150.58	1,815.91
		<i>For Duplex Pumping System, Add</i>	<i>64,469.19</i>	
21 31 13 00-0005	EA	50 HP Electric Fire Pump.....	81,836.00	2,137.31
		<i>For Duplex Pumping System, Add</i>	<i>79,698.70</i>	
21 31 13 00-0006	EA	75 HP Electric Fire Pump.....	91,365.78	2,331.61
		<i>For Duplex Pumping System, Add</i>	<i>89,034.17</i>	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps** ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	61,405.67	1,748.71
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	69,471.37	1,943.01
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	72,972.72	2,137.31
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	83,064.47	2,331.61
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	88,111.10	2,720.21
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	94,711.08	3,497.42
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	102,785.03	3,886.01
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	117,535.19	4,430.06
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	140,901.19	4,779.80
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	165,354.43	5,440.42
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	196,405.54	5,829.02
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	221,246.50	6,217.62

21 34 Fire Pump Accessories ^(21 30)**21 34 13 Pressure Maintenance Pumps** ^(21 34)**21 34 13 00-0001 Jockey Pumps** ^(21 34 13)

Note: Includes pump and controller.

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller	4,284.73	388.60
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END OF SECTION 21

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	31.00
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	32.20
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	35.40
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	37.74
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	40.83
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	52.02
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	65.91
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	76.37
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	87.48
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	49.12
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	51.72
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	57.25
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	62.92
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	69.32
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	89.49
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	108.16
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	122.88
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	139.24
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	69.99
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	72.73
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	80.35
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	88.13
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	99.50
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	121.51
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	142.06
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	171.01
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	210.93
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	216.19
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	231.78

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Removal And Replacement Of Fixture And/Or Trim ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube	43.83
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	15.73
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	21.94
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	29.94
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	47.08
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	34.86
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	28.99

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 01 40 81-0009	EA	Removal And Replacement Of Shower Head.....	34.55
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob.....	26.89
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	80.82
		Note: Excludes balancing valve.	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer.....	22.55
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	11.93
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	12.55
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper.....	11.93
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper.....	6.72
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8".....	18.60
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2".....	31.41
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod.....	22.31
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper.....	23.09
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle.....	26.38
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring.....	19.11
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover.....	14.26
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock.....	29.36
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	5.53
		Note: Excludes removal of toilet.	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	123.92
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	146.18
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl.....	160.45
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl.....	174.21
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	150.98
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers.....	16.57
22 01 40 81-0032	EA	Toilet Flapper Ball With Chain Replacement.....	13.99
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever.....	14.47
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid.....	89.05
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid.....	73.29
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	130.52
22 01 40 81-0037	EA	Tub Diverter Replacement.....	42.80
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout.....	29.94
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper.....	7.97
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow.....	58.03
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly.....	27.40
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet.....	31.29
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem.....	19.23
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	26.05
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout.....	30.75
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem.....	22.05

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements for Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers and Supports for Plumbing Piping and Equipment ^(22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping ^(22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment ^(22 05)**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** ^(22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment ^(22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** ^(22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	558.20	42.56
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	599.42	53.37
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	749.53	64.49
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,086.23	72.16
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,342.52	78.16
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0008			Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)		
22 05 76 00-0009	EA		2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	646.64	42.56
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0010	EA		3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	689.21	53.29
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0011	EA		4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	839.37	64.49
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0012	EA		5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,176.12	72.16
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,432.33	78.16
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout (22 05 76)		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	80.01	13.36
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	85.36	16.00
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed.....	110.41	18.00
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	193.03 9.00 19.50	20.00
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	295.29 9.00 19.50	22.00
22 05 76 00-0021			Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	412.81 19.50 22.50	13.36
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	596.50 19.50 22.50	14.00
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	637.44 19.50 22.50	14.80
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	712.94 19.50 22.50	16.80
22 05 76 00-0026			Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	412.27 19.50 22.50	13.36
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	595.71 19.50 22.50	14.00
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	636.58 19.50 22.50	14.80
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	712.00 19.50 22.50	16.80
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	399.78 19.50 22.50	13.36
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	554.65 19.50 22.50	14.00
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	788.33 19.50 22.50	14.80
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	954.79 19.50 22.50	16.80
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	399.10 19.50 88.80	42.56
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	453.35 19.50 88.80	53.29
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	594.82 19.50 88.80	64.49
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,464.32 19.50 88.80	78.16
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	713.10 19.50 88.80	42.56
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	767.35 19.50 88.80	53.29
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	887.98 19.50 88.80	64.49
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,888.43 19.50 88.80	78.16

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 05 76 00-0047	Cast Iron Cleanout Tee With Brass Plug <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048	EA 2" Cleanout Tee With Cast Bronze Screw Plug	327.08	34.80
22 05 76 00-0049	EA 3" Cleanout Tee With Cast Bronze Screw Plug	366.21	38.01
22 05 76 00-0050	EA 4" Cleanout Tee With Cast Bronze Screw Plug	488.44	50.01
22 05 76 00-0051	EA 5" Cleanout Tee With Cast Bronze Screw Plug	743.47	59.21
22 05 76 00-0052	EA 6" Cleanout Tee With Cast Bronze Screw Plug	1,285.95	70.00

22 05 76 00-0053	Removable Cleanout Plug <small>(22 05 76)</small>		
22 05 76 00-0054	Threaded Bronze Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055	EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	63.34	10.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0056	EA 2-1/2" Threaded Bronze Plug	76.74	10.88
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0057	EA 3" Threaded Bronze Plug	136.16	12.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0058	EA 3-1/2" Threaded Bronze Plug	151.97	14.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0059	EA 4" Threaded Bronze Plug	171.71	16.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0060	EA 5" Threaded Bronze Plug	244.56	18.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0061	EA 6" Threaded Bronze Plug	364.61	20.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0062	EA 8" Threaded Bronze Plug	624.25	22.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0063	EA 10" Threaded Bronze Plug	903.61	24.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 05 76 00-0064	Threaded Brass Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065	EA 1-1/2" Threaded Brass Plug, Raised Head	23.17	10.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0066	EA 2" Threaded Brass Plug, Raised Head	23.72	10.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0067	EA 2-1/2" Threaded Brass Plug, Raised Head	25.96	10.88
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0068	EA 3" Threaded Brass Plug, Raised Head	29.55	12.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0069	EA 3-1/2" Threaded Brass Plug, Raised Head	35.04	14.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0070	EA 4" Threaded Brass Plug, Raised Head	41.55	16.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0071	EA 4-1/2" Threaded Brass Plug, Raised Head	44.78	16.85
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0072	EA 5" Threaded Brass Plug, Raised Head	48.36	18.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0073	EA 6" Threaded Brass Plug, Raised Head	65.73	20.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0074	EA 1-1/2" Threaded Brass Plug, Countersunk Head	22.74	10.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0075	EA 2" Threaded Brass Plug, Countersunk Head	23.34	10.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0076	EA 2-1/2" Threaded Brass Plug, Countersunk Head	27.15	10.88
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0077	EA 3" Threaded Brass Plug, Countersunk Head	29.73	12.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0078	EA 3-1/2" Threaded Brass Plug, Countersunk Head	34.53	14.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0079	EA 4" Threaded Brass Plug, Countersunk Head	40.74	16.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0080	EA 5" Threaded Brass Plug, Countersunk Head	47.91	18.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0081	EA 6" Threaded Brass Plug, Countersunk Head	58.56	20.00
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

22 07 16 00-0001	Lavatory Insulation <small>(22 07 16)</small>		
22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories	221.12	16.72

22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001	Fiberglass Pipe Insulation <small>(22 07 19)</small>		
	<small>Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.</small>		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0002	1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003	LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 6.05	1.64	
	<i>For Work In Restricted Working Space, Add</i>	1.33	
22 07 19 00-0004	LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 6.23	1.64	
	<i>For Work In Restricted Working Space, Add</i>	1.33	
22 07 19 00-0005	LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 6.62	1.71	
	<i>For Work In Restricted Working Space, Add</i>	1.41	
22 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 6.91	1.78	
	<i>For Work In Restricted Working Space, Add</i>	1.43	
22 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 7.12	1.78	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
22 07 19 00-0008	LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 7.55	1.86	
	<i>For Work In Restricted Working Space, Add</i>	1.54	
22 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.00	1.93	
	<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0010	LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.50	2.01	
	<i>For Work In Restricted Working Space, Add</i>	1.62	
22 07 19 00-0011	LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 9.81	2.15	
	<i>For Work In Restricted Working Space, Add</i>	1.75	
22 07 19 00-0012	LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.62	2.53	
	<i>For Work In Restricted Working Space, Add</i>	2.04	
22 07 19 00-0013	1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0014	LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.04	2.23	
	<i>For Work In Restricted Working Space, Add</i>	1.83	
22 07 19 00-0015	LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.32	2.23	
	<i>For Work In Restricted Working Space, Add</i>	1.83	
22 07 19 00-0016	LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.46	2.23	
	<i>For Work In Restricted Working Space, Add</i>	1.86	
22 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 8.84	2.30	
	<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 9.12	2.30	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0019	LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 9.55	2.38	
	<i>For Work In Restricted Working Space, Add</i>	1.97	
22 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.12	2.53	
	<i>For Work In Restricted Working Space, Add</i>	2.04	
22 07 19 00-0021	LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.73	2.60	
	<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0022	LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 12.33	2.75	
	<i>For Work In Restricted Working Space, Add</i>	2.26	
22 07 19 00-0023	LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 14.37	3.19	
	<i>For Work In Restricted Working Space, Add</i>	2.54	
22 07 19 00-0024	LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 18.15	3.57	
	<i>For Work In Restricted Working Space, Add</i>	2.92	
22 07 19 00-0025	LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 21.32	4.24	
	<i>For Work In Restricted Working Space, Add</i>	3.45	
22 07 19 00-0026	LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 24.42	4.83	
	<i>For Work In Restricted Working Space, Add</i>	3.98	
22 07 19 00-0027	LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 26.66	5.28	
	<i>For Work In Restricted Working Space, Add</i>	4.12	
22 07 19 00-0028	1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.29	2.29	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0030	LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.46	2.29	
	<i>For Work In Restricted Working Space, Add</i>	1.91	
22 07 19 00-0031	LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.05	2.43	
	<i>For Work In Restricted Working Space, Add</i>	2.02	
22 07 19 00-0032	LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.50	2.49	
	<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0033	LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.88	2.53	
	<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0034	LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 12.71	2.66	
	<i>For Work In Restricted Working Space, Add</i>	2.21	
22 07 19 00-0035	LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 13.37	2.71	
	<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0036	LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 13.80	2.80	
	<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-0037	LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 15.31	3.03	
	<i>For Work In Restricted Working Space, Add</i>	2.52	
22 07 19 00-0038	LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 17.69	3.54	
	<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0039	LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 20.23	3.73	
	<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0040	LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 24.85	4.47	
	<i>For Work In Restricted Working Space, Add</i>	3.71	
22 07 19 00-0041	LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 27.99	5.21	
	<i>For Work In Restricted Working Space, Add</i>	4.32	
22 07 19 00-0042	LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 31.52	5.70	
	<i>For Work In Restricted Working Space, Add</i>	4.74	
22 07 19 00-0043	2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	13.15 2.10	2.53
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	13.35 2.10	2.53
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	13.89 2.12	2.60
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	14.36 2.15	2.60
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	14.86 2.18	2.68
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	15.42 2.26	2.75
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	16.27 2.33	2.82
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	17.21 2.42	2.97
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	18.97 2.55	3.12
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	22.37 3.06	3.66
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	25.81 3.23	3.87
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	30.89 3.86	4.63
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	35.19 4.62	5.55
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	43.88 6.45	6.05
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	46.98 6.45	7.10
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	52.85 6.77	7.46
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	59.78 7.75	8.52
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	68.83 9.35	10.29
22 07 19 00-0062			2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	16.63 2.42	2.97
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	16.93 2.42	2.97
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	17.69 2.46	2.97
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	18.28 2.48	3.04
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	18.91 2.50	3.04
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	19.69 2.60	3.19
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	20.90 2.69	3.27
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	21.97 2.78	3.42
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	24.55 2.93	3.57
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	28.21 3.33	3.79
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	38.99 3.72	4.54
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	46.83 4.28	5.21
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	52.42 5.33	6.47
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	59.65 5.82	7.14
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	69.13 7.43	9.07
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	74.69 7.80	9.51
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	84.65 8.92	10.86
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	99.06 10.78	13.11
22 07 19 00-0081			3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	18.32 2.68	3.29
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	18.64 2.68	3.29
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	19.45 2.71	3.32
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	20.09 2.72	3.34
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	20.79 2.75	3.38

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.61	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.85	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.94	3.62
			<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.13	3.75
			<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.98	3.96
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.98	4.50
			<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	42.81	5.01
			<i>For Work In Restricted Working Space, Add</i>	4.09	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.43	5.78
			<i>For Work In Restricted Working Space, Add</i>	4.71	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.57	7.19
			<i>For Work In Restricted Working Space, Add</i>	5.86	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.51	7.84
			<i>For Work In Restricted Working Space, Add</i>	6.40	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.94	10.03
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.04	10.53
			<i>For Work In Restricted Working Space, Add</i>	8.58	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	93.00	12.04
			<i>For Work In Restricted Working Space, Add</i>	9.82	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.81	14.53
			<i>For Work In Restricted Working Space, Add</i>	11.86	
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.66	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.03	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.24	3.57
			<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.93	3.64
			<i>For Work In Restricted Working Space, Add</i>	2.97	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.73	3.64
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.58	3.79
			<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.04	3.94
			<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.24	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.49	4.31
			<i>For Work In Restricted Working Space, Add</i>	3.53	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.83	4.90
			<i>For Work In Restricted Working Space, Add</i>	4.00	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	46.75	5.43
			<i>For Work In Restricted Working Space, Add</i>	4.46	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.20	6.25
			<i>For Work In Restricted Working Space, Add</i>	5.14	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	62.89	7.80
			<i>For Work In Restricted Working Space, Add</i>	6.39	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	71.59	8.55
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	82.98	10.86
			<i>For Work In Restricted Working Space, Add</i>	8.92	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.62	11.44
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	101.62	13.08
			<i>For Work In Restricted Working Space, Add</i>	10.71	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	118.88	15.76
			<i>For Work In Restricted Working Space, Add</i>	12.93	
22 07 19 00-0119			4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.41	4.01
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.82	4.01
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.86	4.01
			<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.72	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.80	4.24
			<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.78	4.39
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.17	4.39
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.67	4.61
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.14	4.83
			<i>For Work In Restricted Working Space, Add</i>	3.96	
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.06	5.50
			<i>For Work In Restricted Working Space, Add</i>	4.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	52.60 5.01	5.94
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	63.23 5.79	7.07
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	70.77 7.19	8.77
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	80.55 7.85	9.59
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	93.39 10.04	12.26
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	100.79 10.52	12.86
22 07 19 00-0136	LF		20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	112.61 12.05	14.72
22 07 19 00-0137	LF		24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Work In Restricted Working Space, Add</i>	133.75 14.55	17.76
22 07 19 00-0138			Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19) Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0139			1" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0140	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.41 3.30	3.63
22 07 19 00-0141	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.02 3.30	3.63
22 07 19 00-0142	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.80 3.34	3.68
22 07 19 00-0143	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.16 3.39	3.73
22 07 19 00-0144	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.74 3.44	3.78
22 07 19 00-0145	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.84 3.54	3.89
22 07 19 00-0146	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.20 3.68	4.05
22 07 19 00-0147	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.72 3.78	4.15
22 07 19 00-0148	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.94 4.06	4.47
22 07 19 00-0149	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.49 4.58	5.04
22 07 19 00-0150			1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0151	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.06 3.54	4.02
22 07 19 00-0152	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.45 3.54	4.02
22 07 19 00-0153	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.00 3.59	4.07
22 07 19 00-0154	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.43 3.63	4.12
22 07 19 00-0155	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	17.83 3.68	4.18
22 07 19 00-0156	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.44 3.80	4.32
22 07 19 00-0157	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.19 3.95	4.48
22 07 19 00-0158	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	24.65 4.06	4.62
22 07 19 00-0159	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.05 4.32	4.91
22 07 19 00-0160	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.14 4.90	5.57
22 07 19 00-0161	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.06 5.46	6.21
22 07 19 00-0162	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.13 6.29	7.16
22 07 19 00-0163	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	53.37 7.82	8.89
22 07 19 00-0164	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	59.40 8.50	9.36
22 07 19 00-0165	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	65.32 9.50	10.45
22 07 19 00-0166	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	73.79 11.24	12.36
22 07 19 00-0167	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	82.49 12.44	13.69
22 07 19 00-0168	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation..... <i>For Work In Restricted Working Space, Add</i>	103.92 13.78	15.16
22 07 19 00-0169			2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0170	LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.16 3.78	4.15
22 07 19 00-0171	LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	18.77 3.78	4.15
22 07 19 00-0172	LF 1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	19.51 3.82	4.19
22 07 19 00-0173	LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.62 3.87	4.26
22 07 19 00-0174	LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.74 3.92	4.31
22 07 19 00-0175	LF 2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.47 4.06	4.47
22 07 19 00-0176	LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.69 4.21	4.63
22 07 19 00-0177	LF 3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.65 4.34	4.78
22 07 19 00-0178	LF 4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.31 4.59	5.04
22 07 19 00-0179	LF 6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.59 5.21	5.73
22 07 19 00-0180	LF 8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.84 5.81	6.39
22 07 19 00-0181	LF 10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.13 6.70	7.37
22 07 19 00-0182	LF 12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.32 8.33	9.16
22 07 19 00-0183	LF 14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.53 9.08	10.00
22 07 19 00-0184	LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.36 11.61	12.78
22 07 19 00-0185	LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	86.79 12.19	13.41
22 07 19 00-0186	LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.76 13.94	15.33
22 07 19 00-0187	LF 24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	120.47 16.84	18.52
22 07 19 00-0188	2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0189	LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.33 4.10	4.51
22 07 19 00-0190	LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.35 4.09	4.50
22 07 19 00-0191	LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.60 4.16	4.57
22 07 19 00-0192	LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.74 4.19	4.61
22 07 19 00-0193	LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.88 4.22	4.65
22 07 19 00-0194	LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.88 4.40	4.83
22 07 19 00-0195	LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.81 4.55	5.00
22 07 19 00-0196	LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.59 4.70	5.18
22 07 19 00-0197	LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.82 4.96	5.46
22 07 19 00-0198	LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.39 5.64	6.21
22 07 19 00-0199	LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.57 6.29	6.92
22 07 19 00-0200	LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.66 7.25	7.97
22 07 19 00-0201	LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.81 9.01	9.92
22 07 19 00-0202	LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	74.62 9.84	10.83
22 07 19 00-0203	LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	87.42 12.57	13.83
22 07 19 00-0204	LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.33 13.20	14.52
22 07 19 00-0205	LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	109.66 15.09	16.60
22 07 19 00-0206	LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	137.74 18.23	20.06
22 07 19 00-0207	3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0208	LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.32 4.35	4.79
22 07 19 00-0209	LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.93 4.35	4.79
22 07 19 00-0210	LF 1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.80 4.43	4.87
22 07 19 00-0211	LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.51 4.46	4.90
22 07 19 00-0212	LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.26 4.49	4.94

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.61 4.68	5.14
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.87 4.64	5.32
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.92 5.01	5.51
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.81 5.28	5.80
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.04 6.00	6.60
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.57 6.69	7.36
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	67.64 7.71	8.49
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.19 9.59	10.54
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.59 10.46	11.51
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	99.26 13.38	14.72
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	106.42 14.05	15.45
22 07 19 00-0224	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	124.97 16.05	17.66
22 07 19 00-0225	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	152.92 19.40	21.34
22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)				
22 07 19 00-0227	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.88 5.28	5.80
22 07 19 00-0228	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.65 5.28	5.80
22 07 19 00-0229	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.55 5.31	5.84
22 07 19 00-0230	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.43 5.35	5.88
22 07 19 00-0231	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.43 5.41	5.95
22 07 19 00-0232	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.32 5.60	6.17
22 07 19 00-0233	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.23 5.80	6.38
22 07 19 00-0234	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.80 6.00	6.60
22 07 19 00-0235	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.17 6.34	6.97
22 07 19 00-0236	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.82 7.20	7.92
22 07 19 00-0237	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.85 8.02	8.82
22 07 19 00-0238	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.99 9.26	10.18
22 07 19 00-0239	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	92.96 11.51	12.65
22 07 19 00-0240	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	96.61 12.56	13.82
22 07 19 00-0241	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	115.15 16.05	17.66
22 07 19 00-0242	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	127.09 16.86	18.55
22 07 19 00-0243	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	144.63 19.28	21.21
22 07 19 00-0244	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	177.88 23.28	25.60
22 07 19 00-0245 4" Thick Foamglas Pipe Insulation (22 07 19 00-0138)				
22 07 19 00-0246	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.00 6.48	7.14
22 07 19 00-0247	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.00 6.48	7.14
22 07 19 00-0248	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.37 6.60	7.26
22 07 19 00-0249	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.63 6.68	7.34
22 07 19 00-0250	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.32 6.88	7.57
22 07 19 00-0251	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.18 7.10	7.80
22 07 19 00-0252	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.70 7.21	7.93
22 07 19 00-0253	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.39 7.47	8.22
22 07 19 00-0254	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	60.43 8.33	9.17
22 07 19 00-0255	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.37 8.95	9.84

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	79.71 9.70	10.67
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	91.02 11.53	12.68
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.76 14.32	15.75
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	114.95 15.64	17.19
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	135.46 19.99	21.99
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	151.60 20.95	23.05
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	169.59 23.98	26.38
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	216.10 28.97	31.87
22 07 19 00-0264			Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0265			3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0264)		
22 07 19 00-0266	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.79 1.34	2.22
22 07 19 00-0267	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.80 1.34	2.22
22 07 19 00-0268	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.00 1.38	2.30
22 07 19 00-0269	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.20 1.43	2.38
22 07 19 00-0270	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.41 1.45	2.43
22 07 19 00-0271	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.65 1.48	2.46
22 07 19 00-0272	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.75 1.48	2.46
22 07 19 00-0273	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.03 1.49	2.46
22 07 19 00-0274	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.56 1.53	2.54
22 07 19 00-0275	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.80 1.56	2.58
22 07 19 00-0276			1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0264)		
22 07 19 00-0277	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.33 1.45	2.43
22 07 19 00-0278	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.39 1.46	2.43
22 07 19 00-0279	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.49 1.48	2.46
22 07 19 00-0280	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.49	2.48
22 07 19 00-0281	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.90 1.52	2.54
22 07 19 00-0282	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.16 1.55	2.58
22 07 19 00-0283	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.46 1.57	2.62
22 07 19 00-0284	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.82 1.59	2.65
22 07 19 00-0285	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.43 1.64	2.74
22 07 19 00-0286	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.10 1.67	2.77
22 07 19 00-0287	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.71 1.69	2.81
22 07 19 00-0288	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.08 1.71	2.85
22 07 19 00-0289			3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0264)		
22 07 19 00-0290	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.97 1.57	2.62
22 07 19 00-0291	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.04 1.59	2.65
22 07 19 00-0292	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.45 1.64	2.74
22 07 19 00-0293	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.64 1.67	2.77
22 07 19 00-0294	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.15 1.71	2.85
22 07 19 00-0295	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.69 1.73	2.89
22 07 19 00-0296	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.94 1.74	2.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0297	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.94 1.76	2.93
22 07 19 00-0298	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.32 1.80	3.00
22 07 19 00-0299	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.39 1.82	3.04
22 07 19 00-0300	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.39 1.85	3.08
22 07 19 00-0301	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.81 1.88	3.12
22 07 19 00-0302			1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0264)		
22 07 19 00-0303	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.81 1.73	2.89
22 07 19 00-0304	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.99 1.76	2.93
22 07 19 00-0305	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.59 1.80	3.00
22 07 19 00-0306	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.77 1.82	3.04
22 07 19 00-0307	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.69 1.88	3.12
22 07 19 00-0308	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.13 1.92	3.20
22 07 19 00-0309	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.30 1.94	3.24
22 07 19 00-0310	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.20 1.97	3.27
22 07 19 00-0311	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.81 2.01	3.36
22 07 19 00-0312	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.36 2.04	3.40
22 07 19 00-0313			Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0314			3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)		
22 07 19 00-0315	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.23 1.34	2.22
22 07 19 00-0316	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.36 1.34	2.22
22 07 19 00-0317	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.59 1.38	2.30
22 07 19 00-0318	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.74 1.40	2.34
22 07 19 00-0319	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	5.89 1.43	2.38
22 07 19 00-0320	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.13 1.45	2.43
22 07 19 00-0321	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.32 1.48	2.46
22 07 19 00-0322	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.55 1.48	2.46
22 07 19 00-0323	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.74 1.49	2.46
22 07 19 00-0324	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.94 1.50	2.50
22 07 19 00-0325	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.21 1.52	2.54
22 07 19 00-0326	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.46 1.53	2.54
22 07 19 00-0327	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.63 1.55	2.58
22 07 19 00-0328	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.89 1.56	2.58
22 07 19 00-0329	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.47 1.57	2.62
22 07 19 00-0330	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.13 1.59	2.65
22 07 19 00-0331	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.89 1.61	2.67
22 07 19 00-0332			1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)		
22 07 19 00-0333	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.03 1.45	2.43
22 07 19 00-0334	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.12 1.46	2.43
22 07 19 00-0335	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.24 1.48	2.46
22 07 19 00-0336	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.42 1.48	2.46
22 07 19 00-0337	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	6.56 1.49	2.46
22 07 19 00-0338	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.88 1.52	2.54

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0339	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.20	2.58
		<i>For Work In Restricted Working Space, Add</i>	1.55	
22 07 19 00-0340	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.48	2.62
		<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0341	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.78	2.64
		<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0342	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.03	2.65
		<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0343	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.99	2.70
		<i>For Work In Restricted Working Space, Add</i>	1.62	
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.55	2.74
		<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0345	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.99	2.76
		<i>For Work In Restricted Working Space, Add</i>	1.65	
22 07 19 00-0346	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.35	2.77
		<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0347	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.61	2.79
		<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0348	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.83	2.81
		<i>For Work In Restricted Working Space, Add</i>	1.69	
22 07 19 00-0349	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.94	2.85
		<i>For Work In Restricted Working Space, Add</i>	1.71	
22 07 19 00-0350	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.19	2.87
		<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0351	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.29	2.89
		<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0352	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.54	2.96
		<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0353	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.94	3.04
		<i>For Work In Restricted Working Space, Add</i>	1.82	

22 07 19 00-0354 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)

22 07 19 00-0355	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.14	2.62
		<i>For Work In Restricted Working Space, Add</i>	1.57	
22 07 19 00-0356	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.38	2.65
		<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0357	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.71	2.74
		<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0358	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.95	2.76
		<i>For Work In Restricted Working Space, Add</i>	1.65	
22 07 19 00-0359	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.04	2.77
		<i>For Work In Restricted Working Space, Add</i>	1.67	
22 07 19 00-0360	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.57	2.85
		<i>For Work In Restricted Working Space, Add</i>	1.71	
22 07 19 00-0361	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.03	2.89
		<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0362	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.48	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0363	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.61	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0364	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.79	2.95
		<i>For Work In Restricted Working Space, Add</i>	1.77	
22 07 19 00-0365	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.36	2.96
		<i>For Work In Restricted Working Space, Add</i>	1.78	
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.63	3.00
		<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0367	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.29	3.02
		<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0368	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.73	3.04
		<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0369	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.43	3.07
		<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0370	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.68	3.08
		<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0371	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.71	3.12
		<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0372	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.54	3.14
		<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0373	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.96	3.15
		<i>For Work In Restricted Working Space, Add</i>	1.90	
22 07 19 00-0374	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.43	3.20
		<i>For Work In Restricted Working Space, Add</i>	1.92	
22 07 19 00-0375	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.19	3.27
		<i>For Work In Restricted Working Space, Add</i>	1.97	

22 07 19 00-0376 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)

22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.56	2.88
		<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.86	2.93
		<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.23	3.00
		<i>For Work In Restricted Working Space, Add</i>	1.80	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.59	3.02
		<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.90	3.04
		<i>For Work In Restricted Working Space, Add</i>	1.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0382	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.40 1.88	3.12
22 07 19 00-0383	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.21 1.92	3.20
22 07 19 00-0384	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.62 1.94	3.20
22 07 19 00-0385	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.21 1.96	3.24
22 07 19 00-0386	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.42 1.97	3.27
22 07 19 00-0387	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.70 1.99	3.33
22 07 19 00-0388	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.68 2.01	3.36
22 07 19 00-0389	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.96 2.03	3.39
22 07 19 00-0390	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.32 2.04	3.40
22 07 19 00-0391	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.99 2.05	3.42
22 07 19 00-0392	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.30 2.06	3.44
22 07 19 00-0393	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.72 2.11	3.52
22 07 19 00-0394	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.36 2.13	3.55
22 07 19 00-0395	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.81 2.15	3.59
22 07 19 00-0396	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.38 2.20	3.67
22 07 19 00-0397			1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0398	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.38 1.94	3.23
22 07 19 00-0399	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.75 1.98	3.30
22 07 19 00-0400	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.12 2.00	3.33
22 07 19 00-0401	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.49 2.00	3.36
22 07 19 00-0402	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.94 2.05	3.43
22 07 19 00-0403	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.69 2.13	3.55
22 07 19 00-0404	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.89 2.15	3.50
22 07 19 00-0405	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.91 2.18	3.58
22 07 19 00-0406	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.53 2.20	3.67
22 07 19 00-0407	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	21.54 2.23	3.72
22 07 19 00-0408	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.44 2.25	3.76
22 07 19 00-0409	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.34 2.26	3.78
22 07 19 00-0410	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.22 2.27	3.78
22 07 19 00-0411	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.27 2.28	3.80
22 07 19 00-0412	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.93 2.30	3.82
22 07 19 00-0413	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	30.44 2.37	3.96
22 07 19 00-0414	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.32 2.41	4.02
22 07 19 00-0415	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	36.97 2.45	4.08
22 07 19 00-0416	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	41.55 2.52	4.20
22 07 19 00-0417			2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0418	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.05 2.14	3.57
22 07 19 00-0419	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	23.00 2.19	3.62
22 07 19 00-0420	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.74 2.20	3.65
22 07 19 00-0421	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.33 2.20	3.68
22 07 19 00-0422	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.73 2.25	3.75
22 07 19 00-0423	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.37 2.36	3.93
22 07 19 00-0424	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	29.42 2.37	3.83

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0425	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.27 2.42	3.97
22 07 19 00-0426	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	33.04 2.47	4.10
22 07 19 00-0427	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	34.23 2.49	4.15
22 07 19 00-0428	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	36.72 2.51	4.20
22 07 19 00-0429	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	37.00 2.52	4.21
22 07 19 00-0430	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.36 2.54	4.22
22 07 19 00-0431	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	40.99 2.55	4.24
22 07 19 00-0432	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	42.73 2.55	4.26
22 07 19 00-0433	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	48.37 2.66	4.46
22 07 19 00-0434	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	51.67 2.73	4.55
22 07 19 00-0435	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	52.58 2.78	4.64
22 07 19 00-0436	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	59.43 2.89	4.82
22 07 19 00-0437			Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0438			3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0439	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	4.94 1.34	2.22
22 07 19 00-0440	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.02 1.34	2.22
22 07 19 00-0441	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.21 1.38	2.30
22 07 19 00-0442	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.45 1.43	2.38
22 07 19 00-0443	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.62 1.45	2.43
22 07 19 00-0444	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.93 1.48	2.46
22 07 19 00-0445	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.17 1.48	2.46
22 07 19 00-0446	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.35 1.49	2.54
22 07 19 00-0447	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.12 1.53	2.54
22 07 19 00-0448	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.83 1.56	2.58
22 07 19 00-0449	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.67 1.59	2.65
22 07 19 00-0450			1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0451	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.45	2.43
22 07 19 00-0452	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.65 1.46	2.43
22 07 19 00-0453	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.79 1.48	2.46
22 07 19 00-0454	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.98 1.49	2.46
22 07 19 00-0455	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.19 1.52	2.54
22 07 19 00-0456	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.54 1.55	2.58
22 07 19 00-0457	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.92 1.57	2.62
22 07 19 00-0458	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.28 1.59	2.65
22 07 19 00-0459	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.10 1.64	2.74
22 07 19 00-0460	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.86 1.67	2.77
22 07 19 00-0461	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.28 1.71	2.85
22 07 19 00-0462			3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0463	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.38 1.57	2.62
22 07 19 00-0464	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.63 1.59	2.65
22 07 19 00-0465	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.91 1.64	2.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0466	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.43 1.67	2.77
22 07 19 00-0467	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.87 1.71	2.85
22 07 19 00-0468	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.70 1.73	2.89
22 07 19 00-0469	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.25 1.74	2.89
22 07 19 00-0470	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.87 1.76	2.93
22 07 19 00-0471	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.06 1.80	3.00
22 07 19 00-0472	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.16 1.82	3.04
22 07 19 00-0473	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.27 1.88	3.12
22 07 19 00-0474			1" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0437)</small>		
22 07 19 00-0475	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.76 1.73	2.89
22 07 19 00-0476	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	7.88 1.76	2.93
22 07 19 00-0477	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.18 1.80	3.00
22 07 19 00-0478	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.92 1.82	3.04
22 07 19 00-0479	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.51 1.88	3.12
22 07 19 00-0480	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.11 1.92	3.20
22 07 19 00-0481	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.72 1.94	3.20
22 07 19 00-0482	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.13 1.97	3.27
22 07 19 00-0483	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.97 2.01	3.36
22 07 19 00-0484	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.31 2.04	3.40
22 07 19 00-0485			Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small> Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0486	LF		1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.63 1.48 -0.52 1.02 1.94	2.46
22 07 19 00-0487	LF		3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.78 1.49 -0.55 1.12 2.11	2.46
22 07 19 00-0488	LF		1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.97 1.52 -0.58 1.18 2.23	2.54
22 07 19 00-0489	LF		1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	6.28 1.55 -0.64 1.36 2.56 4.11	2.58
22 07 19 00-0490	LF		1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	6.58 1.57 -0.70 1.53 2.86 4.66	2.62
22 07 19 00-0491	LF		2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	6.89 1.59 -0.77 1.72 3.20 5.28	2.65
22 07 19 00-0492	LF		2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.60 1.64 -0.92 2.15 3.98 6.72	2.74
22 07 19 00-0493	LF		3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	8.21 1.67 -1.05 2.55 4.70 8.04	2.77

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0494	LF		3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	8.80 1.69 -1.19 2.95 5.42 9.36	2.81
22 07 19 00-0495	LF		4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	9.40 1.71 -1.32 3.35 6.14 10.68	2.85
22 07 19 00-0496			Insulation Foam Rubber <small>(22 07 19)</small>		
22 07 19 00-0497			Covering 4x6 Sheet <small>(22 07 19 00-0496)</small>		
22 07 19 00-0498	SF		1" Thick Foam Rubber Sheet Insulation.....	15.22	5.28
22 07 19 00-0499			Insulation Protective Jacketing <small>(22 07 19)</small> Note: Jacketing only and to be added to insulation prices when required.		
22 07 19 00-0500			Aluminum Insulation Protective Jacketing With Bands <small>(22 07 19 00-0499)</small>		
22 07 19 00-0501			Aluminum Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0502	SF		0.006" Aluminum Insulation Jacket With Bands.....	11.31	4.76
22 07 19 00-0503	SF		0.016" Aluminum Insulation Jacket With Bands.....	11.77	4.76
22 07 19 00-0504			16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0505	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.77 0.00 0.01	1.35
22 07 19 00-0506	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.00 0.00 0.01	1.38
22 07 19 00-0507	LF		1" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.24 0.01 0.01	1.42
22 07 19 00-0508	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.49 0.01 0.02	1.45
22 07 19 00-0509	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.67 0.01 0.02	1.48
22 07 19 00-0510	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.87 0.01 0.02	1.50
22 07 19 00-0511	LF		2" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.10 0.01 0.03	1.53
22 07 19 00-0512	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.35 0.01 0.03	1.56
22 07 19 00-0513	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.60 0.01 0.03	1.59
22 07 19 00-0514	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.81 0.01 0.03	1.62
22 07 19 00-0515	LF		3" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.08 0.01 0.04	1.65
22 07 19 00-0516	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.32 0.02 0.04	1.69
22 07 19 00-0517	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.59 0.02 0.04	1.73
22 07 19 00-0518	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.83 0.02 0.04	1.76
22 07 19 00-0519	LF		4" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.11 0.02 0.05	1.80
22 07 19 00-0520	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.40 0.02 0.05	1.85
22 07 19 00-0521	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.70 0.02 0.05	1.89
22 07 19 00-0522	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.95 0.02 0.06	1.93
22 07 19 00-0523	LF		5" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.26 0.02 0.06	1.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0524	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.60 0.02 0.06	2.03
22 07 19 00-0525	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.88 0.03 0.06	2.08
22 07 19 00-0526	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.23 0.03 0.07	2.14
22 07 19 00-0527	LF		6" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.59 0.03 0.07	2.20
22 07 19 00-0528	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.84 0.03 0.07	2.23
22 07 19 00-0529	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.08 0.03 0.08	2.27
22 07 19 00-0530	LF		7" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.49 0.03 0.08	2.32
22 07 19 00-0531	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.82 0.03 0.08	2.38
22 07 19 00-0532	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.08 0.03 0.09	2.42
22 07 19 00-0533	LF		8" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.46 0.04 0.09	2.46
22 07 19 00-0534	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.85 0.04 0.10	2.50
22 07 19 00-0535	LF		9" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.32 0.04 0.10	2.57
22 07 19 00-0536	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.72 0.04 0.11	2.61
22 07 19 00-0537	LF		10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.12 0.05 0.11	2.66
22 07 19 00-0538	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.53 0.05 0.12	2.70
22 07 19 00-0539	LF		11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.05 0.05 0.12	2.78
22 07 19 00-0540	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.49 0.05 0.13	2.83
22 07 19 00-0541	LF		12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.92 0.05 0.13	2.89
22 07 19 00-0542	LF		12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.49 0.06 0.14	2.97
22 07 19 00-0543	LF		13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.83 0.06 0.15	3.00
22 07 19 00-0544	LF		14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.40 0.06 0.16	3.03
22 07 19 00-0545	LF		15" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.08 0.07 0.17	3.09
22 07 19 00-0546	LF		16" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.64 0.07 0.18	3.13
22 07 19 00-0547	LF		17" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.36 0.08 0.19	3.19
22 07 19 00-0548	LF		18" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.79 0.08 0.20	3.23
22 07 19 00-0549	LF		19" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.65 0.08 0.21	3.31
22 07 19 00-0550	LF		20" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.24 0.09 0.22	3.34
22 07 19 00-0551	LF		21" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.99 0.09 0.23	3.42
22 07 19 00-0552	LF		22" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.58 0.10 0.24	3.46
22 07 19 00-0553	LF		23" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.35 0.10 0.25	3.54

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0554	LF		24" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.94 0.11 0.27	3.58
22 07 19 00-0555 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>					
22 07 19 00-0556	LF		1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.40 0.00 0.01	1.49
22 07 19 00-0557	LF		3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.68 0.01 0.02	1.52
22 07 19 00-0558	LF		1" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.97 0.01 0.02	1.56
22 07 19 00-0559	LF		1-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.25 0.01 0.02	1.60
22 07 19 00-0560	LF		1-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.49 0.01 0.03	1.62
22 07 19 00-0561	LF		1-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.72 0.01 0.03	1.65
22 07 19 00-0562	LF		2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.99 0.01 0.03	1.68
22 07 19 00-0563	LF		2-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.27 0.01 0.04	1.71
22 07 19 00-0564	LF		2-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.56 0.02 0.04	1.75
22 07 19 00-0565	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.82 0.02 0.04	1.78
22 07 19 00-0566	LF		3" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.13 0.02 0.05	1.82
22 07 19 00-0567	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.43 0.02 0.05	1.86
22 07 19 00-0568	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.74 0.02 0.05	1.90
22 07 19 00-0569	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.01 0.02 0.06	1.93
22 07 19 00-0570	LF		4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.33 0.02 0.06	1.98
22 07 19 00-0571	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.68 0.03 0.06	2.03
22 07 19 00-0572	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.03 0.03 0.07	2.08
22 07 19 00-0573	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.33 0.03 0.07	2.12
22 07 19 00-0574	LF		5" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.69 0.03 0.07	2.18
22 07 19 00-0575	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.07 0.03 0.08	2.24
22 07 19 00-0576	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.40 0.03 0.08	2.28
22 07 19 00-0577	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.81 0.03 0.09	2.36
22 07 19 00-0578	LF		6" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.23 0.04 0.09	2.43
22 07 19 00-0579	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.51 0.04 0.09	2.46
22 07 19 00-0580	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.80 0.04 0.10	2.50
22 07 19 00-0581	LF		7" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.29 0.04 0.10	2.56
22 07 19 00-0582	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.67 0.04 0.11	2.62

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0583 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.97 0.04 0.11	2.66
22 07 19 00-0584 LF 8" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.44 0.05 0.12	2.71
22 07 19 00-0585 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.88 0.05 0.12	2.75
22 07 19 00-0586 LF 9" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.44 0.05 0.13	2.82
22 07 19 00-0587 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.92 0.05 0.14	2.87
22 07 19 00-0588 LF 10" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.40 0.06 0.14	2.92
22 07 19 00-0589 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.89 0.06 0.15	2.97
22 07 19 00-0590 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.49 0.06 0.16	3.05
22 07 19 00-0591 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.01 0.07 0.16	3.11
22 07 19 00-0592 LF 12" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.54 0.07 0.17	3.17
22 07 19 00-0593 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.19 0.07 0.18	3.27
22 07 19 00-0594 LF 13" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.60 0.07 0.18	3.31
22 07 19 00-0595 LF 14" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.30 0.08 0.20	3.34
22 07 19 00-0596 LF 15" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.13 0.09 0.21	3.41
22 07 19 00-0597 LF 16" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.83 0.09 0.23	3.45
22 07 19 00-0598 LF 17" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.68 0.10 0.24	3.52
22 07 19 00-0599 LF 18" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.20 0.10 0.25	3.56
22 07 19 00-0600 LF 19" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.25 0.11 0.27	3.63
22 07 19 00-0601 LF 20" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.98 0.11 0.28	3.68
22 07 19 00-0602 LF 21" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.87 0.12 0.30	3.76
22 07 19 00-0603 LF 22" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.59 0.12 0.31	3.80
22 07 19 00-0604 LF 23" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.52 0.13 0.32	3.89
22 07 19 00-0605 LF 24" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.25 0.13 0.34	3.94
22 07 19 00-0606 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0607 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.04 0.01 0.01	1.62
22 07 19 00-0608 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.36 0.01 0.02	1.66
22 07 19 00-0609 LF 1" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.67 0.01 0.02	1.70
22 07 19 00-0610 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.00 0.01 0.03	1.74
22 07 19 00-0611 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.28 0.01 0.03	1.77

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

22 07 19 00-0612	LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing	8.54	1.79
	For Stucco Embossed, Add	0.01	
	For Corrugated, Add	0.03	
22 07 19 00-0613	LF 2" ID, 0.024" Aluminum Insulation Jacketing	8.85	1.83
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.04	
22 07 19 00-0614	LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.17	1.87
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.04	
22 07 19 00-0615	LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing	9.51	1.91
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.05	
22 07 19 00-0616	LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing	9.80	1.94
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.05	
22 07 19 00-0617	LF 3" ID, 0.024" Aluminum Insulation Jacketing	10.15	1.98
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.06	
22 07 19 00-0618	LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing	10.50	2.03
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.06	
22 07 19 00-0619	LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing	10.86	2.07
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.06	
22 07 19 00-0620	LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing	11.16	2.11
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0621	LF 4" ID, 0.024" Aluminum Insulation Jacketing	11.53	2.16
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0622	LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing	11.91	2.21
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0623	LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.32	2.27
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0624	LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing	12.67	2.31
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.09	
22 07 19 00-0625	LF 5" ID, 0.024" Aluminum Insulation Jacketing	13.07	2.38
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0626	LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.49	2.45
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0627	LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.87	2.50
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0628	LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing	14.34	2.57
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0629	LF 6" ID, 0.024" Aluminum Insulation Jacketing	14.81	2.64
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0630	LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.12	2.68
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0631	LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.46	2.72
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.11	
22 07 19 00-0632	LF 7" ID, 0.024" Aluminum Insulation Jacketing	16.02	2.79
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0633	LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing	16.44	2.85
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0634	LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing	16.80	2.90
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0635	LF 8" ID, 0.024" Aluminum Insulation Jacketing	17.33	2.95
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0636	LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.84	3.00
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0637	LF 9" ID, 0.024" Aluminum Insulation Jacketing	18.48	3.07
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0638	LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.04	3.13
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.16	
22 07 19 00-0639	LF 10" ID, 0.024" Aluminum Insulation Jacketing	19.60	3.18
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0640	LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing	20.15	3.24
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.18	
22 07 19 00-0641	LF 11" ID, 0.0106 Aluminum Insulation Jacketing	20.84	3.34
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0642	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	21.45 0.08 0.20	3.40
22 07 19 00-0643	LF		12" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	22.04 0.08 0.20	3.47
22 07 19 00-0644	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	22.78 0.09 0.21	3.57
22 07 19 00-0645	LF		13" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	23.25 0.09 0.22	3.61
22 07 19 00-0646	LF		14" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	24.08 0.10 0.24	3.64
22 07 19 00-0647	LF		15" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	25.04 0.10 0.25	3.72
22 07 19 00-0648	LF		16" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	25.86 0.11 0.27	3.76
22 07 19 00-0649	LF		17" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	26.84 0.12 0.29	3.84
22 07 19 00-0650	LF		18" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	27.47 0.12 0.30	3.88
22 07 19 00-0651	LF		19" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	28.69 0.13 0.32	3.96
22 07 19 00-0652	LF		20" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	29.53 0.14 0.34	4.01
22 07 19 00-0653	LF		21" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	30.56 0.14 0.35	4.10
22 07 19 00-0654	LF		22" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	31.41 0.15 0.37	4.14
22 07 19 00-0655	LF		23" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	32.48 0.15 0.39	4.25
22 07 19 00-0656	LF		24" ID, 0.024" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	33.33 0.16 0.40	4.30
22 07 19 00-0657			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0500)		
22 07 19 00-0658	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	7.93 0.01 0.02	1.80
22 07 19 00-0659	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	8.32 0.01 0.02	1.84
22 07 19 00-0660	LF		1" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	8.71 0.01 0.03	1.88
22 07 19 00-0661	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	9.11 0.01 0.04	1.93
22 07 19 00-0662	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	9.45 0.02 0.04	1.96
22 07 19 00-0663	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	9.78 0.02 0.05	1.99
22 07 19 00-0664	LF		2" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	10.17 0.02 0.05	2.03
22 07 19 00-0665	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	10.56 0.02 0.06	2.07
22 07 19 00-0666	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	10.99 0.03 0.06	2.11
22 07 19 00-0667	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	11.34 0.03 0.07	2.15
22 07 19 00-0668	LF		3" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	11.77 0.03 0.07	2.19
22 07 19 00-0669	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	12.20 0.03 0.08	2.24
22 07 19 00-0670	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing For Stucco Embossed, Add For Corrugated, Add	12.63 0.03 0.09	2.29

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0671	LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing	13.01	2.33
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0672	LF 4" ID, 0.032" Aluminum Insulation Jacketing.....	13.45	2.40
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0673	LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing	13.91	2.46
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0674	LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing	14.42	2.52
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0675	LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing	14.83	2.57
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.11	
22 07 19 00-0676	LF 5" ID, 0.032" Aluminum Insulation Jacketing.....	15.32	2.64
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0677	LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing	15.84	2.71
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0678	LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.28	2.77
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0679	LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing	16.84	2.84
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.14	
22 07 19 00-0680	LF 6" ID, 0.032" Aluminum Insulation Jacketing.....	17.39	2.93
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0681	LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.79	2.97
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0682	LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.19	3.02
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0683	LF 7" ID, 0.032" Aluminum Insulation Jacketing.....	18.89	3.09
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.16	
22 07 19 00-0684	LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing	19.41	3.16
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0685	LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing	19.84	3.21
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0686	LF 8" ID, 0.032" Aluminum Insulation Jacketing.....	20.49	3.27
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.19	
22 07 19 00-0687	LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.14	3.33
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.20	
22 07 19 00-0688	LF 9" ID, 0.032" Aluminum Insulation Jacketing.....	21.93	3.41
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.21	
22 07 19 00-0689	LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing	22.64	3.47
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.22	
22 07 19 00-0690	LF 10" ID, 0.032" Aluminum Insulation Jacketing.....	23.32	3.53
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.23	
22 07 19 00-0691	LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.01	3.60
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.24	
22 07 19 00-0692	LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	24.86	3.70
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.25	
22 07 19 00-0693	LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing	25.60	3.77
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.26	
22 07 19 00-0694	LF 12" ID, 0.032" Aluminum Insulation Jacketing.....	26.33	3.84
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.27	
22 07 19 00-0695	LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.24	3.95
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.29	
22 07 19 00-0696	LF 13" ID, 0.032" Aluminum Insulation Jacketing.....	27.84	3.99
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.30	
22 07 19 00-0697	LF 14" ID, 0.032" Aluminum Insulation Jacketing.....	28.91	4.03
	For Stucco Embossed, Add	0.13	
	For Corrugated, Add	0.32	
22 07 19 00-0698	LF 15" ID, 0.032" Aluminum Insulation Jacketing.....	30.13	4.11
	For Stucco Embossed, Add	0.14	
	For Corrugated, Add	0.34	
22 07 19 00-0699	LF 16" ID, 0.032" Aluminum Insulation Jacketing.....	31.20	4.16
	For Stucco Embossed, Add	0.15	
	For Corrugated, Add	0.36	
22 07 19 00-0700	LF 17" ID, 0.032" Aluminum Insulation Jacketing.....	32.43	4.26
	For Stucco Embossed, Add	0.15	
	For Corrugated, Add	0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0701	LF		18" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.23 0.16 0.40	4.30
22 07 19 00-0702	LF		19" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.80 0.17 0.43	4.40
22 07 19 00-0703	LF		20" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.89 0.18 0.45	4.45
22 07 19 00-0704	LF		21" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.18 0.19 0.48	4.55
22 07 19 00-0705	LF		22" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.27 0.20 0.50	4.60
22 07 19 00-0706	LF		23" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.62 0.21 0.52	4.71
22 07 19 00-0707	LF		24" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.72 0.22 0.54	4.76
22 07 19 00-0708			40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0709	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.20 0.01 0.02	2.07
22 07 19 00-0710	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.67 0.01 0.03	2.11
22 07 19 00-0711	LF		1" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.14 0.01 0.04	2.16
22 07 19 00-0712	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.63 0.02 0.04	2.22
22 07 19 00-0713	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.04 0.02 0.05	2.25
22 07 19 00-0714	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.46 0.02 0.06	2.28
22 07 19 00-0715	LF		2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.91 0.03 0.06	2.33
22 07 19 00-0716	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.38 0.03 0.07	2.39
22 07 19 00-0717	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.90 0.03 0.08	2.44
22 07 19 00-0718	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.34 0.03 0.09	2.48
22 07 19 00-0719	LF		3" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.87 0.04 0.09	2.53
22 07 19 00-0720	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.37 0.04 0.10	2.59
22 07 19 00-0721	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.88 0.04 0.11	2.65
22 07 19 00-0722	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.34 0.05 0.11	2.69
22 07 19 00-0723	LF		4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.89 0.05 0.12	2.76
22 07 19 00-0724	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.43 0.05 0.13	2.83
22 07 19 00-0725	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.02 0.05 0.14	2.90
22 07 19 00-0726	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.54 0.06 0.14	2.95
22 07 19 00-0727	LF		5" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.13 0.06 0.15	3.03
22 07 19 00-0728	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.73 0.06 0.16	3.11
22 07 19 00-0729	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.28 0.07 0.16	3.18

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0730	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing	19.95	3.27
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0731	LF		6" ID, 0.040" Aluminum Insulation Jacketing.....	20.60	3.37
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0732	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing	21.09	3.42
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.19	
22 07 19 00-0733	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.57	3.48
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0734	LF		7" ID, 0.040" Aluminum Insulation Jacketing.....	22.41	3.56
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0735	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing	23.04	3.64
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0736	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.54	3.70
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0737	LF		8" ID, 0.040" Aluminum Insulation Jacketing.....	24.35	3.76
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0738	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.15	3.82
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0739	LF		9" ID, 0.040" Aluminum Insulation Jacketing.....	26.10	3.92
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.26	
22 07 19 00-0740	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing	26.95	3.99
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0741	LF		10" ID, 0.040" Aluminum Insulation Jacketing.....	27.78	4.06
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0742	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing	28.64	4.13
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0743	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	29.65	4.26
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	
22 07 19 00-0744	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing	30.55	4.34
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.33	
22 07 19 00-0745	LF		12" ID, 0.040" Aluminum Insulation Jacketing.....	31.45	4.42
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.34	
22 07 19 00-0746	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing	32.53	4.55
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0747	LF		13" ID, 0.040" Aluminum Insulation Jacketing.....	33.27	4.60
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.37	
22 07 19 00-0748	LF		14" ID, 0.040" Aluminum Insulation Jacketing.....	34.59	4.64
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.40	
22 07 19 00-0749	LF		15" ID, 0.040" Aluminum Insulation Jacketing.....	36.08	4.74
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.43	
22 07 19 00-0750	LF		16" ID, 0.040" Aluminum Insulation Jacketing.....	37.41	4.79
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.46	
22 07 19 00-0751	LF		17" ID, 0.040" Aluminum Insulation Jacketing.....	38.93	4.89
			For Stucco Embossed, Add	0.19	
			For Corrugated, Add	0.48	
22 07 19 00-0752	LF		18" ID, 0.040" Aluminum Insulation Jacketing.....	39.89	4.94
			For Stucco Embossed, Add	0.20	
			For Corrugated, Add	0.50	
22 07 19 00-0753	LF		19" ID, 0.040" Aluminum Insulation Jacketing.....	41.83	5.05
			For Stucco Embossed, Add	0.22	
			For Corrugated, Add	0.54	
22 07 19 00-0754	LF		20" ID, 0.040" Aluminum Insulation Jacketing.....	43.19	5.11
			For Stucco Embossed, Add	0.23	
			For Corrugated, Add	0.57	
22 07 19 00-0755	LF		21" ID, 0.040" Aluminum Insulation Jacketing.....	44.76	5.23
			For Stucco Embossed, Add	0.24	
			For Corrugated, Add	0.60	
22 07 19 00-0756	LF		22" ID, 0.040" Aluminum Insulation Jacketing.....	46.11	5.29
			For Stucco Embossed, Add	0.25	
			For Corrugated, Add	0.62	
22 07 19 00-0757	LF		23" ID, 0.040" Aluminum Insulation Jacketing.....	47.75	5.42
			For Stucco Embossed, Add	0.26	
			For Corrugated, Add	0.65	
22 07 19 00-0758	LF		24" ID, 0.040" Aluminum Insulation Jacketing.....	49.11	5.48
			For Stucco Embossed, Add	0.27	
			For Corrugated, Add	0.68	

22 07 19 00-0759 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0500)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0760	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	13.96	2.12	
22 07 19 00-0761	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	14.27	2.20	
22 07 19 00-0762	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.03	2.28	
22 07 19 00-0763	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.17	2.32	
22 07 19 00-0764	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.32	2.36	
22 07 19 00-0765	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.54	2.42	
22 07 19 00-0766	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.37	2.48	
22 07 19 00-0767	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.63	2.54	
22 07 19 00-0768	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.16	2.59	
22 07 19 00-0769	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.57	2.63	
22 07 19 00-0770	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.27	2.70	
22 07 19 00-0771	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.74	2.75	
22 07 19 00-0772	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.95	2.80	
22 07 19 00-0773	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.16	2.86	
22 07 19 00-0774	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.62	2.91	
22 07 19 00-0775	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.54	2.97	
22 07 19 00-0776	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.02	3.06	
22 07 19 00-0777	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.27	3.13	
22 07 19 00-0778	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.38	3.23	
22 07 19 00-0779	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.66	3.31	
22 07 19 00-0780	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.86	3.42	
22 07 19 00-0781	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.64	3.50	
22 07 19 00-0782	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.81	3.54	
22 07 19 00-0783	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	43.22	3.58	
22 07 19 00-0784	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.05	3.63	
22 07 19 00-0785	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.69	3.72	
22 07 19 00-0786	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.06	3.81	
22 07 19 00-0787	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.73	3.86	
22 07 19 00-0788	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.94	3.91	
22 07 19 00-0789	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.78	3.96	
22 07 19 00-0790	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.99	4.01	
22 07 19 00-0791	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.54	4.12	
22 07 19 00-0792	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.77	4.18	
22 07 19 00-0793	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	77.78	4.31	
22 07 19 00-0794	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	78.04	4.38	
22 07 19 00-0795	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	99.22	4.51	
22 07 19 00-0796	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	103.47	4.65	
22 07 19 00-0797	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	111.47	4.72	
22 07 19 00-0798	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.12	2.36	
22 07 19 00-0799	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	15.34	2.42	
22 07 19 00-0800	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.33	2.48	
22 07 19 00-0801	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.59	2.54	
22 07 19 00-0802	EA	3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.66	2.59	
22 07 19 00-0803	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.84	2.63	
22 07 19 00-0804	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.25	2.70	
22 07 19 00-0805	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.50	2.75	
22 07 19 00-0806	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.71	2.80	
22 07 19 00-0807	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.92	2.86	
22 07 19 00-0808	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.62	2.91	
22 07 19 00-0809	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.86	2.97	
22 07 19 00-0810	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	22.72	3.06	
22 07 19 00-0811	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.39	3.23	
22 07 19 00-0812	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.11	3.42	
22 07 19 00-0813	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.43	3.50	
22 07 19 00-0814	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.90	3.58	
22 07 19 00-0815	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.08	3.63	
22 07 19 00-0816	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.00	3.72	
22 07 19 00-0817	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.37	3.81	
22 07 19 00-0818	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.61	3.86	
22 07 19 00-0819	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.82	3.91	
22 07 19 00-0820	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.40	3.96	
22 07 19 00-0821	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.61	4.01	
22 07 19 00-0822	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.80	4.12	
22 07 19 00-0823	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.03	4.18	
22 07 19 00-0824	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	50.68	4.38	
22 07 19 00-0825	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.75	4.51	
22 07 19 00-0826	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.34	4.65	
22 07 19 00-0827	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	86.90	4.72	
22 07 19 00-0828	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.61	4.79	
22 07 19 00-0829	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	95.27	4.87	
22 07 19 00-0830	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	112.38	4.95	
22 07 19 00-0831	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	109.67	5.04	
22 07 19 00-0832	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	117.14	5.12	
22 07 19 00-0833	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	52.52	3.38	
22 07 19 00-0834	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	52.84	3.46	
22 07 19 00-0835	EA	3" ID, Aluminum Tee Insulation Jacketing	58.23	3.54	
22 07 19 00-0836	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	58.57	3.63	
22 07 19 00-0837	EA	3-1/2" ID, Aluminum Tee Insulation Jacketing	61.05	3.72	
22 07 19 00-0838	EA	4" ID, Aluminum Tee Insulation Jacketing	61.92	3.81	
22 07 19 00-0839	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	65.02	3.91	
22 07 19 00-0840	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	65.04	4.01	
22 07 19 00-0841	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	65.49	4.12	
22 07 19 00-0842	EA	5" ID, Aluminum Tee Insulation Jacketing	67.79	4.25	
22 07 19 00-0843	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	68.29	4.38	
22 07 19 00-0844	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	71.07	4.51	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

22 07 19 00-0845	EA	6" ID, Aluminum Tee Insulation Jacketing.....	71.63	4.65
22 07 19 00-0846	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing.....	78.09	4.95
22 07 19 00-0847	EA	7" ID, Aluminum Tee Insulation Jacketing.....	78.77	5.12
22 07 19 00-0848	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing.....	86.04	5.31
22 07 19 00-0849	EA	8" ID, Aluminum Tee Insulation Jacketing.....	86.82	5.51
22 07 19 00-0850	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing.....	89.37	5.72
22 07 19 00-0851	EA	9" ID, Aluminum Tee Insulation Jacketing.....	90.29	5.94
22 07 19 00-0852	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing.....	73.63	6.06
22 07 19 00-0853	EA	10" ID, Aluminum Tee Insulation Jacketing.....	74.13	6.20
22 07 19 00-0854	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing.....	77.88	6.33
22 07 19 00-0855	EA	11" ID, Aluminum Tee Insulation Jacketing.....	78.44	6.46
22 07 19 00-0856	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing.....	81.87	6.61
22 07 19 00-0857	EA	12" ID, Aluminum Tee Insulation Jacketing.....	82.48	6.75
22 07 19 00-0858	EA	13" ID, Aluminum Tee Insulation Jacketing.....	85.86	6.91
22 07 19 00-0859	EA	14" ID, Aluminum Tee Insulation Jacketing.....	89.37	7.08
22 07 19 00-0860	EA	15" ID, Aluminum Tee Insulation Jacketing.....	95.04	7.25
22 07 19 00-0861	EA	16" ID, Aluminum Tee Insulation Jacketing.....	97.43	7.43
22 07 19 00-0862	EA	17" ID, Aluminum Tee Insulation Jacketing.....	108.32	7.62
22 07 19 00-0863	EA	18" ID, Aluminum Tee Insulation Jacketing.....	112.15	7.82
22 07 19 00-0864	EA	19" ID, Aluminum Tee Insulation Jacketing.....	121.56	8.04
22 07 19 00-0865	EA	20" ID, Aluminum Tee Insulation Jacketing.....	124.40	8.26
22 07 19 00-0866	EA	22" ID, Aluminum Tee Insulation Jacketing.....	150.21	8.49
22 07 19 00-0867	EA	23" ID, Aluminum Tee Insulation Jacketing.....	154.44	8.74
22 07 19 00-0868	EA	24" ID, Aluminum Tee Insulation Jacketing.....	160.94	9.59

22 07 19 00-0869 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0499)**22 07 19 00-0870 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0869)**

22 07 19 00-0871	SF	0.010" Stainless Steel Insulation Jacket With Bands.....	14.32	5.57
22 07 19 00-0872	SF	0.016" Stainless Steel Insulation Jacket With Bands.....	17.67	6.69

22 07 19 00-0873 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0869)

22 07 19 00-0874	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.57	1.19
22 07 19 00-0875	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.00	1.21
22 07 19 00-0876	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.43	1.24
22 07 19 00-0877	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.89	1.26
22 07 19 00-0878	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.35	1.29
22 07 19 00-0879	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.80	1.32
22 07 19 00-0880	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.25	1.35
22 07 19 00-0881	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.71	1.38
22 07 19 00-0882	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.18	1.42
22 07 19 00-0883	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.14	1.49
22 07 19 00-0884	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.13	1.57
22 07 19 00-0885	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.16	1.65
22 07 19 00-0886	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.01	1.70
22 07 19 00-0887	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.90	1.75
22 07 19 00-0888	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.83	1.81
22 07 19 00-0889	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.64	1.85
22 07 19 00-0890	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.46	1.88
22 07 19 00-0891	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.28	1.92
22 07 19 00-0892	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.11	1.95
22 07 19 00-0893	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.95	1.99
22 07 19 00-0894	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.80	2.03
22 07 19 00-0895	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.64	2.08
22 07 19 00-0896	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.34	2.17
22 07 19 00-0897	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.03	2.25
22 07 19 00-0898	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.52	2.28

22 07 19 00-0899 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0869)

22 07 19 00-0900	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	11.85	1.58
22 07 19 00-0901	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.47	1.62
22 07 19 00-0902	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.09	1.65
22 07 19 00-0903	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.74	1.68
22 07 19 00-0904	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	14.37	1.72
22 07 19 00-0905	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.00	1.76
22 07 19 00-0906	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.66	1.80
22 07 19 00-0907	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.32	1.84
22 07 19 00-0908	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.98	1.88
22 07 19 00-0909	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.34	1.98
22 07 19 00-0910	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.75	2.08
22 07 19 00-0911	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.17	2.19
22 07 19 00-0912	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.41	2.26
22 07 19 00-0913	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.67	2.32
22 07 19 00-0914	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.98	2.42
22 07 19 00-0915	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.14	2.46
22 07 19 00-0916	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.30	2.51
22 07 19 00-0917	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.50	2.55
22 07 19 00-0918	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.66	2.60
22 07 19 00-0919	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.85	2.66

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0920	LF			10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	32.08	2.71
22 07 19 00-0921	LF			11" ID, 0.0106 Stainless Steel Insulation Jacketing.....	33.27	2.77
22 07 19 00-0922	LF			12" ID, 0.016" Stainless Steel Insulation Jacketing.....	35.70	2.89
22 07 19 00-0923	LF			13" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.12	2.99
22 07 19 00-0924	LF			14" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.26	3.04

22 07 19 00-0925 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0869)

22 07 19 00-0926	EA			2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.27	2.36
22 07 19 00-0927	EA			2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.49	2.42
22 07 19 00-0928	EA			3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	27.50	2.48
22 07 19 00-0929	EA			3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	27.76	2.54
22 07 19 00-0930	EA			3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	28.82	2.59
22 07 19 00-0931	EA			3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	30.05	2.63
22 07 19 00-0932	EA			4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.28	2.70
22 07 19 00-0933	EA			4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.55	2.75
22 07 19 00-0934	EA			4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.76	2.80
22 07 19 00-0935	EA			5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	40.85	2.91
22 07 19 00-0936	EA			5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	55.78	3.06
22 07 19 00-0937	EA			6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	60.70	3.23
22 07 19 00-0938	EA			6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	79.43	3.42
22 07 19 00-0939	EA			7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	79.75	3.50
22 07 19 00-0940	EA			7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	91.10	3.58
22 07 19 00-0941	EA			8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	91.65	3.72
22 07 19 00-0942	EA			8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	94.26	3.72
22 07 19 00-0943	EA			9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	136.00	3.81
22 07 19 00-0944	EA			9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	134.10	3.86
22 07 19 00-0945	EA			10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	134.31	3.91
22 07 19 00-0946	EA			10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	157.83	3.96
22 07 19 00-0947	EA			11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	151.60	4.01
22 07 19 00-0948	EA			12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	170.61	4.18
22 07 19 00-0949	EA			13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	230.66	4.38
22 07 19 00-0950	EA			14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	232.63	4.51
22 07 19 00-0951	EA			2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	23.47	2.36
22 07 19 00-0952	EA			2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	23.69	2.42
22 07 19 00-0953	EA			3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.00	2.48
22 07 19 00-0954	EA			3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.26	2.54
22 07 19 00-0955	EA			3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.62	2.59
22 07 19 00-0956	EA			3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.80	2.63
22 07 19 00-0957	EA			4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	30.45	2.70
22 07 19 00-0958	EA			4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	38.58	2.75
22 07 19 00-0959	EA			4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	38.79	2.80
22 07 19 00-0960	EA			4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.00	2.86
22 07 19 00-0961	EA			5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.69	2.91
22 07 19 00-0962	EA			5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	40.30	3.06
22 07 19 00-0963	EA			6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.19	3.23
22 07 19 00-0964	EA			6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.93	3.42
22 07 19 00-0965	EA			7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	70.27	3.50
22 07 19 00-0966	EA			7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	71.76	3.58
22 07 19 00-0967	EA			8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	71.94	3.63
22 07 19 00-0968	EA			8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	82.08	3.72
22 07 19 00-0969	EA			9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	82.45	3.81
22 07 19 00-0970	EA			9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	94.35	3.86
22 07 19 00-0971	EA			10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	94.56	3.91
22 07 19 00-0972	EA			10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	110.69	3.96
22 07 19 00-0973	EA			11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	110.90	4.01
22 07 19 00-0974	EA			12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	119.74	4.18
22 07 19 00-0975	EA			13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	138.68	4.38

22 07 19 00-0976 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0498)

22 07 19 00-0977 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0976)

22 07 19 00-0978	LF			1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.73	1.10
22 07 19 00-0979	LF			2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.00	1.14
22 07 19 00-0980	LF			2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.27	1.19
22 07 19 00-0981	LF			3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.57	1.24
22 07 19 00-0982	LF			3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.88	1.29
22 07 19 00-0983	LF			4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.20	1.35
22 07 19 00-0984	LF			4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.55	1.42
22 07 19 00-0985	LF			5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.91	1.49
22 07 19 00-0986	LF			5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.32	1.57
22 07 19 00-0987	LF			6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.77	1.65
22 07 19 00-0988	LF			6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.04	1.70
22 07 19 00-0989	LF			7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.32	1.75
22 07 19 00-0990	LF			7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.69	1.81
22 07 19 00-0991	LF			8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.91	1.85
22 07 19 00-0992	LF			8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.15	1.88
22 07 19 00-0993	LF			9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.38	1.92
22 07 19 00-0994	LF			9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.62	1.95
22 07 19 00-0995	LF			10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.87	1.99
22 07 19 00-0996	LF			10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.13	2.03
22 07 19 00-0997	LF			11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.39	2.08
22 07 19 00-0998	LF			11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.66	2.12
22 07 19 00-0999	LF			12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.93	2.17

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1000	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.23	2.21
22 07 19 00-1001	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.45	2.25
22 07 19 00-1002	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.54	2.25
22 07 19 00-1003	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.77	2.28
22 07 19 00-1004	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.10	2.32
22 07 19 00-1005	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.43	2.36
22 07 19 00-1006	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.77	2.40
22 07 19 00-1007	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.11	2.44
22 07 19 00-1008	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.45	2.48
22 07 19 00-1009	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.81	2.52
22 07 19 00-1010	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.15	2.57
22 07 19 00-1011	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.52	2.61
22 07 19 00-1012	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.88	2.66
22 07 19 00-1013	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.27	2.70
22 07 19 00-1014	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.65	2.75
22 07 19 00-1015	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.04	2.80
22 07 19 00-1016	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.44	2.86
22 07 19 00-1017	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.83	2.91
22 07 19 00-1018	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.26	2.97
22 07 19 00-1019	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.03

22 07 19 00-1020 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0976)

22 07 19 00-1021	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.20	1.14
22 07 19 00-1022	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.53	1.19
22 07 19 00-1023	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.87	1.24
22 07 19 00-1024	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.22	1.29
22 07 19 00-1025	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.58	1.35
22 07 19 00-1026	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.97	1.42
22 07 19 00-1027	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.38	1.49
22 07 19 00-1028	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.83	1.57
22 07 19 00-1029	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.32	1.65
22 07 19 00-1030	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.63	1.70
22 07 19 00-1031	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.97	1.75
22 07 19 00-1032	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.81
22 07 19 00-1033	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.65	1.85
22 07 19 00-1034	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.93	1.88
22 07 19 00-1035	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.20	1.92
22 07 19 00-1036	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.49	1.95
22 07 19 00-1037	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.79	1.99
22 07 19 00-1038	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.08	2.03
22 07 19 00-1039	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.39	2.08
22 07 19 00-1040	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.69	2.12
22 07 19 00-1041	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.02	2.17
22 07 19 00-1042	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.36	2.21
22 07 19 00-1043	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.63	2.25
22 07 19 00-1044	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.77	2.25
22 07 19 00-1045	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.04	2.28
22 07 19 00-1046	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.45	2.32
22 07 19 00-1047	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.87	2.36
22 07 19 00-1048	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.29	2.40
22 07 19 00-1049	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.72	2.44
22 07 19 00-1050	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.16	2.48
22 07 19 00-1051	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.60	2.52
22 07 19 00-1052	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.04	2.57
22 07 19 00-1053	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.49	2.61
22 07 19 00-1054	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.94	2.66
22 07 19 00-1055	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.41	2.70
22 07 19 00-1056	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.89	2.75
22 07 19 00-1057	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.37	2.80
22 07 19 00-1058	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.85	2.86
22 07 19 00-1059	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.34	2.91
22 07 19 00-1060	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.85	2.97
22 07 19 00-1061	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.36	3.03

22 07 19 00-1062 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0976)

22 07 19 00-1063	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	9.54	2.20
22 07 19 00-1064	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.07	2.28
22 07 19 00-1065	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.31	2.32
22 07 19 00-1066	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.57	2.36
22 07 19 00-1067	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	10.88	2.42
22 07 19 00-1068	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.20	2.48
22 07 19 00-1069	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.72	2.57
22 07 19 00-1070	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.16	2.63
22 07 19 00-1071	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.88	2.70
22 07 19 00-1072	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.82	2.83
22 07 19 00-1073	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.81	2.97
22 07 19 00-1074	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.36	3.13
22 07 19 00-1075	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.63	3.31
22 07 19 00-1076	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.43	3.42
22 07 19 00-1077	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.46	3.50
22 07 19 00-1078	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.20	3.58
22 07 19 00-1079	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.30	3.72
22 07 19 00-1080	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.70	3.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1081	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	33.11	4.01
22 07 19 00-1082	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	36.28	4.18
22 07 19 00-1083	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	42.15	4.38
22 07 19 00-1084	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	46.21	4.51
22 07 19 00-1085	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	48.87	4.65
22 07 19 00-1086	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	51.93	4.72
22 07 19 00-1087	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	55.86	4.79
22 07 19 00-1088	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	66.82	4.87
22 07 19 00-1089	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	84.06	4.95
22 07 19 00-1090	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	102.71	5.04
22 07 19 00-1091	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	9.54	2.20
22 07 19 00-1092	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.07	2.28
22 07 19 00-1093	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.31	2.32
22 07 19 00-1094	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.57	2.36
22 07 19 00-1095	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.88	2.42
22 07 19 00-1096	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	11.20	2.48
22 07 19 00-1097	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	11.72	2.57
22 07 19 00-1098	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.16	2.63
22 07 19 00-1099	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.88	2.70
22 07 19 00-1100	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	13.82	2.83
22 07 19 00-1101	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	14.81	2.97
22 07 19 00-1102	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.36	3.13
22 07 19 00-1103	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.63	3.31
22 07 19 00-1104	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	20.43	3.42
22 07 19 00-1105	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.46	3.50
22 07 19 00-1106	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.20	3.58
22 07 19 00-1107	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	26.30	3.72
22 07 19 00-1108	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	30.70	3.86
22 07 19 00-1109	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.10	4.01
22 07 19 00-1110	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	35.53	4.18
22 07 19 00-1111	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	38.45	4.38
22 07 19 00-1112	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	41.97	4.51
22 07 19 00-1113	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	44.28	4.65
22 07 19 00-1114	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	48.21	4.72
22 07 19 00-1115	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	52.23	4.79
22 07 19 00-1116	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	59.88	4.87
22 07 19 00-1117	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	74.90	4.95
22 07 19 00-1118	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	82.54	5.04
22 07 19 00-1119	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	13.79	3.09
22 07 19 00-1120	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	14.24	3.16
22 07 19 00-1121	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	14.79	3.26
22 07 19 00-1122	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	15.39	3.38
22 07 19 00-1123	EA		2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.06	3.50
22 07 19 00-1124	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.75	3.63
22 07 19 00-1125	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	17.63	3.76
22 07 19 00-1126	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	18.58	3.91
22 07 19 00-1127	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.76	4.07
22 07 19 00-1128	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	21.31	4.25
22 07 19 00-1129	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	22.95	4.44
22 07 19 00-1130	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	25.78	4.72
22 07 19 00-1131	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.89	4.95
22 07 19 00-1132	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.38	5.04
22 07 19 00-1133	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	39.01	5.22
22 07 19 00-1134	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	41.92	5.51
22 07 19 00-1135	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	47.06	5.72
22 07 19 00-1136	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	52.32	5.94
22 07 19 00-1137	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	53.64	6.20
22 07 19 00-1138	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	57.38	6.33
22 07 19 00-1139	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	61.14	6.46
22 07 19 00-1140	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	64.93	6.61
22 07 19 00-1141	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	68.73	6.75
22 07 19 00-1142	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	72.57	6.91
22 07 19 00-1143	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	76.41	7.08
22 07 19 00-1144	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	81.94	7.25
22 07 19 00-1145	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	87.49	7.43
22 07 19 00-1146	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	94.13	7.62
22 07 19 00-1147	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	14.35	2.12
22 07 19 00-1148	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	14.35	2.12
22 07 19 00-1149	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.22	2.20
22 07 19 00-1150	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.22	2.20
22 07 19 00-1151	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	20.85	2.28
22 07 19 00-1152	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	22.50	2.38
22 07 19 00-1153	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	24.46	2.48
22 07 19 00-1154	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	27.18	2.59
22 07 19 00-1155	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	29.57	2.70
22 07 19 00-1156	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	35.22	2.97
22 07 19 00-1157	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	47.67	3.31
22 07 19 00-1158	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	52.40	3.72
22 07 19 00-1159	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	63.88	3.96
22 07 19 00-1160	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	86.54	4.38
22 07 19 00-1161	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	87.48	4.57
22 07 19 00-1162	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	112.95	4.72
22 07 19 00-1163	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	148.89	4.87
22 07 19 00-1164	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	13.70	2.12
22 07 19 00-1165	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	13.70	2.12

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1166	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	15.44	2.20
22 07 19 00-1167	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	15.44	2.20
22 07 19 00-1168	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	19.57	2.28
22 07 19 00-1169	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	21.07	2.38
22 07 19 00-1170	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	22.90	2.48
22 07 19 00-1171	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	24.04	2.59
22 07 19 00-1172	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	27.50	2.70
22 07 19 00-1173	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	32.65	2.97
22 07 19 00-1174	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	43.89	3.31
22 07 19 00-1175	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	48.25	3.72
22 07 19 00-1176	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	58.60	3.96
22 07 19 00-1177	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	78.99	4.38
22 07 19 00-1178	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	98.30	4.57
22 07 19 00-1179	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	115.79	4.72
22 07 19 00-1180	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	133.89	4.87
22 07 19 00-1181	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	20.42	3.19
22 07 19 00-1182	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	20.42	3.19
22 07 19 00-1183	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	22.85	3.31
22 07 19 00-1184	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	22.85	3.31
22 07 19 00-1185	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	28.87	3.42
22 07 19 00-1186	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	31.07	3.54
22 07 19 00-1187	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	33.78	3.72
22 07 19 00-1188	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	35.48	3.86
22 07 19 00-1189	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	40.76	4.07
22 07 19 00-1190	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	44.71	4.44
22 07 19 00-1191	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	59.70	4.95
22 07 19 00-1192	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	65.26	5.51
22 07 19 00-1193	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	86.21	5.94
22 07 19 00-1194	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	115.60	6.46
22 07 19 00-1195	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	136.05	6.91
22 07 19 00-1196	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	158.34	7.08
22 07 19 00-1197	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	172.25	7.25

22 10 Plumbing Piping ⁽²²⁾

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF		1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	13.61	2.95
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.68	
			For ASTM 120, Deduct	-0.57	
			For Work In Restricted Working Space, Add	2.93	
22 11 16 00-0003	LF		3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.02	3.17
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.17	
			For ASTM 120, Deduct	-0.70	
			For Work In Restricted Working Space, Add	3.11	
22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.09	3.47
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.93	
			For ASTM 120, Deduct	-0.90	
			For Work In Restricted Working Space, Add	3.32	
22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	20.41	3.61
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.25	
			For ASTM 120, Deduct	-1.30	
			For Work In Restricted Working Space, Add	3.52	
22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	22.04	4.28
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.86	
			For ASTM 120, Deduct	-1.47	
			For Work In Restricted Working Space, Add	3.68	
22 11 16 00-0007	LF		2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	26.79	5.16
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.57	
			For ASTM 120, Deduct	-1.93	
			For Work In Restricted Working Space, Add	4.18	
22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	40.56	6.11
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	14.17	
			For ASTM 120, Deduct	-3.63	
			For Work In Restricted Working Space, Add	4.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	49.93 17.52 -4.52 5.94	8.19
22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	81.53 31.01 -8.82 6.81	9.72
22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	150.62 60.92 -18.48 8.23	12.42
22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	181.50 73.88 -22.55 9.35	14.69
22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014			Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013) Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF		1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	6.26 1.31 -0.27 1.34	2.95
22 11 16 00-0016	LF		3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	7.13 1.61 -0.36 1.43	3.17
22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	8.67 2.20 -0.53 1.55	3.47
22 11 16 00-0018	LF		1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	10.22 2.83 -0.71 1.64	3.61
22 11 16 00-0019	LF		1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	12.10 3.37 -0.85 1.92	4.28
22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	15.41 4.45 -1.15 2.33	5.16
22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	21.35 6.74 -1.82 2.77	6.11
22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	28.17 8.85 -2.38 3.69	8.19
22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	37.22 12.31 -3.39 4.39	9.72
22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	48.92 16.41 -4.55 5.58	12.42
22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	61.33 21.08 -5.90 6.60	14.69
22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	69.07 23.05 -6.37 7.97	17.75
22 11 16 00-0027			Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013) Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF		1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	8.44 2.35 -0.60 1.34	2.95
22 11 16 00-0029	LF		3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	9.52 2.76 -0.71 1.43	3.17

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	10.68	3.47
			<i>For Schedule 80 Pipe, Add</i>	3.17	
			<i>For ASTM 120, Deduct</i>	-0.83	
			<i>For Work In Restricted Working Space, Add</i>	1.55	
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	12.41	3.61
			<i>For Schedule 80 Pipe, Add</i>	3.88	
			<i>For ASTM 120, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	1.64	
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.35	4.28
			<i>For Schedule 80 Pipe, Add</i>	4.45	
			<i>For ASTM 120, Deduct</i>	-1.19	
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	16.80	5.16
			<i>For Schedule 80 Pipe, Add</i>	5.12	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	2.33	
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.35	6.11
			<i>For Schedule 80 Pipe, Add</i>	8.18	
			<i>For ASTM 120, Deduct</i>	-2.27	
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	30.79	8.19
			<i>For Schedule 80 Pipe, Add</i>	10.11	
			<i>For ASTM 120, Deduct</i>	-2.78	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	41.07	9.72
			<i>For Schedule 80 Pipe, Add</i>	14.16	
			<i>For ASTM 120, Deduct</i>	-3.97	
			<i>For Work In Restricted Working Space, Add</i>	4.39	
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	53.12	12.42
			<i>For Schedule 80 Pipe, Add</i>	18.43	
			<i>For ASTM 120, Deduct</i>	-5.18	
			<i>For Work In Restricted Working Space, Add</i>	5.58	
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	66.16	14.69
			<i>For Schedule 80 Pipe, Add</i>	23.40	
			<i>For ASTM 120, Deduct</i>	-6.62	
			<i>For Work In Restricted Working Space, Add</i>	6.60	
22 11 16 00-0039			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0040	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	24.69	13.12
			<i>For 300 LB Rating, Add</i>	18.28	
			<i>For ASTM 120, Deduct</i>	-0.75	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
22 11 16 00-0041	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	28.18	14.68
			<i>For 300 LB Rating, Add</i>	22.33	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	6.60	
22 11 16 00-0042	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	36.01	16.36
			<i>For 300 LB Rating, Add</i>	40.37	
			<i>For ASTM 120, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0043	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	45.89	18.58
			<i>For 300 LB Rating, Add</i>	63.14	
			<i>For ASTM 120, Deduct</i>	-2.71	
			<i>For Work In Restricted Working Space, Add</i>	8.34	
22 11 16 00-0044	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	54.97	20.93
			<i>For 300 LB Rating, Add</i>	82.12	
			<i>For ASTM 120, Deduct</i>	-3.54	
			<i>For Work In Restricted Working Space, Add</i>	9.41	
22 11 16 00-0045	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	78.51	26.61
			<i>For 300 LB Rating, Add</i>	133.84	
			<i>For ASTM 120, Deduct</i>	-5.80	
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 11 16 00-0046	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	160.14	39.37
			<i>For 300 LB Rating, Add</i>	347.52	
			<i>For ASTM 120, Deduct</i>	-15.18	
			<i>For Work In Restricted Working Space, Add</i>	17.69	
22 11 16 00-0047	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	244.40	51.75
			<i>For 300 LB Rating, Add</i>	571.78	
			<i>For ASTM 120, Deduct</i>	-25.02	
			<i>For Work In Restricted Working Space, Add</i>	23.28	
22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	379.45	56.85
			<i>For 300 LB Rating, Add</i>	1,005.36	
			<i>For ASTM 120, Deduct</i>	-44.13	
			<i>For Work In Restricted Working Space, Add</i>	25.58	
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,359.43	59.34
			<i>For 300 LB Rating, Add</i>	4,324.94	
			<i>For ASTM 120, Deduct</i>	-190.57	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,264.25	62.04
			<i>For 300 LB Rating, Add</i>	3,987.80	
			<i>For ASTM 120, Deduct</i>	-175.69	
			<i>For Work In Restricted Working Space, Add</i>	27.90	
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	1,510.22	64.83
			<i>For 300 LB Rating, Add</i>	4,810.10	
			<i>For ASTM 120, Deduct</i>	-211.95	
			<i>For Work In Restricted Working Space, Add</i>	29.16	
22 11 16 00-0052			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	31.57	13.86
			<i>For ASTM 120, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.07	15.55
			<i>For ASTM 120, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	6.99	
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	36.73	14.75
			<i>For ASTM 120, Deduct</i>	-2.19	
			<i>For Work In Restricted Working Space, Add</i>	6.63	
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	49.33	17.47
			<i>For ASTM 120, Deduct</i>	-3.47	
			<i>For Work In Restricted Working Space, Add</i>	7.86	
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	52.69	16.59
			<i>For ASTM 120, Deduct</i>	-4.17	
			<i>For Work In Restricted Working Space, Add</i>	7.47	
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	53.17	15.85
			<i>For ASTM 120, Deduct</i>	-4.41	
			<i>For Work In Restricted Working Space, Add</i>	7.12	
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	66.54	19.76
			<i>For ASTM 120, Deduct</i>	-5.54	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	64.92	18.65
			<i>For ASTM 120, Deduct</i>	-5.54	
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	63.63	17.77
			<i>For ASTM 120, Deduct</i>	-5.54	
			<i>For Work In Restricted Working Space, Add</i>	8.00	
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	78.78	23.74
			<i>For ASTM 120, Deduct</i>	-6.48	
			<i>For Work In Restricted Working Space, Add</i>	10.68	
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.32	22.56
			<i>For ASTM 120, Deduct</i>	-7.42	
			<i>For Work In Restricted Working Space, Add</i>	10.15	
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.57	21.46
			<i>For ASTM 120, Deduct</i>	-7.70	
			<i>For Work In Restricted Working Space, Add</i>	9.66	
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	69.89	20.64
			<i>For ASTM 120, Deduct</i>	-5.84	
			<i>For Work In Restricted Working Space, Add</i>	9.28	
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	195.74	32.95
			<i>For ASTM 120, Deduct</i>	-21.95	
			<i>For Work In Restricted Working Space, Add</i>	14.82	
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	208.21	30.15
			<i>For ASTM 120, Deduct</i>	-24.45	
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	334.25	45.56
			<i>For ASTM 120, Deduct</i>	-39.90	
			<i>For Work In Restricted Working Space, Add</i>	20.48	
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	289.72	39.14
			<i>For ASTM 120, Deduct</i>	-34.65	
			<i>For Work In Restricted Working Space, Add</i>	17.62	
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	682.94	54.08
			<i>For ASTM 120, Deduct</i>	-90.28	
			<i>For Work In Restricted Working Space, Add</i>	24.33	
22 11 16 00-0071			Galvanized Malleable Iron 45 Degree Elbow <small>(22 11 16 00-0013)</small>		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	25.59	13.12
			<i>For 300 LB Rating, Add</i>	21.34	
			<i>For ASTM 120, Deduct</i>	-0.89	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.52	14.68
			<i>For 300 LB Rating, Add</i>	30.29	
			<i>For ASTM 120, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	6.60	
22 11 16 00-0074	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	34.19	16.36
			<i>For 300 LB Rating, Add</i>	34.18	
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	45.78	18.58
			<i>For 300 LB Rating, Add</i>	62.77	
			<i>For ASTM 120, Deduct</i>	-2.70	
			<i>For Work In Restricted Working Space, Add</i>	8.34	
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	52.48	20.93
			<i>For 300 LB Rating, Add</i>	73.66	
			<i>For ASTM 120, Deduct</i>	-3.17	
			<i>For Work In Restricted Working Space, Add</i>	9.41	
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	71.09	26.61
			<i>For 300 LB Rating, Add</i>	108.61	
			<i>For ASTM 120, Deduct</i>	-4.69	
			<i>For Work In Restricted Working Space, Add</i>	11.96	
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	167.67	39.37
			<i>For 300 LB Rating, Add</i>	373.12	
			<i>For ASTM 120, Deduct</i>	-16.31	
			<i>For Work In Restricted Working Space, Add</i>	17.69	
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	235.69	51.75
			<i>For 300 LB Rating, Add</i>	542.16	
			<i>For ASTM 120, Deduct</i>	-23.71	
			<i>For Work In Restricted Working Space, Add</i>	23.28	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	350.29 906.22 -39.75 25.58	56.85
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,159.90 3,646.53 -160.64 26.69	59.34
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,384.32 4,396.03 -193.70 27.90	62.04
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,652.85 5,295.04 -233.35 29.16	64.83
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)					
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.78 22.59 -0.93 7.37	16.36
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.59 36.52 -1.54 8.51	18.95
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.06 58.31 -2.48 10.05	22.34
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.13 91.74 -3.94 11.96	26.61
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.23 113.93 -4.90 14.27	31.70
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	112.07 184.08 -7.97 17.69	39.37
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	213.60 512.11 -22.42 19.23	42.76
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	252.91 600.71 -26.30 23.28	51.75
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	522.42 1,416.51 -62.21 32.31	71.84
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,431.50 4,439.95 -195.54 38.37	85.28
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,624.76 5,036.01 -221.79 43.85	97.49
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,932.24 5,983.81 -263.53 52.62	115.76
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)					
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.01 50.57 -2.17 7.37	16.36
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.59 50.12 -2.14 8.51	18.95
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.51 70.04 -3.00 10.05	22.34
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.87 107.86 -4.65 11.96	26.61
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	85.87 133.11 -5.75 14.27	31.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	114.91 193.73 -8.39 17.69	39.37
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	261.89 675.63 -29.64 19.29	42.90
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	335.07 875.98 -38.44 23.65	52.57
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	850.53 2,532.08 -111.42 32.31	71.84
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,935.22 6,152.60 -271.10 38.37	85.28
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,100.41 6,653.22 -293.14 43.85	97.49
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,524.40 8,021.57 -353.45 50.42	111.95
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)					
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.35 17.13 -0.70 5.90	13.12
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.40 19.68 -0.81 6.60	14.68
22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.42 31.56 -1.33 7.37	16.36
22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.30 44.13 -1.87 8.34	18.58
22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.56 50.13 -2.13 9.41	20.93
22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.60 72.94 -3.11 11.96	26.61
22 11 16 00-0117	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	122.49 219.51 -9.53 17.69	39.37
22 11 16 00-0118	EA		3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	162.49 293.28 -12.73 23.28	51.75
22 11 16 00-0119	EA		4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	265.56 618.14 -27.05 25.58	56.85
22 11 16 00-0120	EA		5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	596.63 1,731.42 -76.15 26.69	59.34
22 11 16 00-0121	EA		6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	671.39 1,972.07 -86.76 27.90	62.04
22 11 16 00-0122	EA		8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	794.26 2,375.84 -104.56 29.16	64.83
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)					
22 11 16 00-0124	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.35 20.53 -0.85 5.90	13.12
22 11 16 00-0125	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.08 21.99 -0.91 6.60	14.68

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	34.70	16.36
		<i>For 300 LB Rating, Add</i>	35.92	
		<i>For ASTM 120, Deduct</i>	-1.52	
		<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	40.91	18.58
		<i>For 300 LB Rating, Add</i>	46.21	
		<i>For ASTM 120, Deduct</i>	-1.97	
		<i>For Work In Restricted Working Space, Add</i>	8.34	
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	48.27	20.93
		<i>For 300 LB Rating, Add</i>	59.34	
		<i>For ASTM 120, Deduct</i>	-2.54	
		<i>For Work In Restricted Working Space, Add</i>	9.41	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	62.90	26.61
		<i>For 300 LB Rating, Add</i>	80.76	
		<i>For ASTM 120, Deduct</i>	-3.46	
		<i>For Work In Restricted Working Space, Add</i>	11.96	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	123.29	39.37
		<i>For 300 LB Rating, Add</i>	222.23	
		<i>For ASTM 120, Deduct</i>	-9.65	
		<i>For Work In Restricted Working Space, Add</i>	17.69	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	160.09	51.75
		<i>For 300 LB Rating, Add</i>	285.12	
		<i>For ASTM 120, Deduct</i>	-12.37	
		<i>For Work In Restricted Working Space, Add</i>	23.28	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	270.20	56.85
		<i>For 300 LB Rating, Add</i>	633.91	
		<i>For ASTM 120, Deduct</i>	-27.74	
		<i>For Work In Restricted Working Space, Add</i>	25.58	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	623.36	59.34
		<i>For 300 LB Rating, Add</i>	1,822.30	
		<i>For ASTM 120, Deduct</i>	-80.16	
		<i>For Work In Restricted Working Space, Add</i>	26.69	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	701.83	62.04
		<i>For 300 LB Rating, Add</i>	2,075.57	
		<i>For ASTM 120, Deduct</i>	-91.32	
		<i>For Work In Restricted Working Space, Add</i>	27.90	
22 11 16 00-0135	EA	8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	831.23	64.83
		<i>For 300 LB Rating, Add</i>	2,501.53	
		<i>For ASTM 120, Deduct</i>	-110.10	
		<i>For Work In Restricted Working Space, Add</i>	29.16	

22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)

22 11 16 00-0137	EA	1/2", 150 LB, Galvanized Malleable Iron Cap.....	11.34	6.11
		<i>For 300 LB Rating, Add</i>	7.76	
		<i>For ASTM 120, Deduct</i>	-0.32	
		<i>For Work In Restricted Working Space, Add</i>	2.77	
22 11 16 00-0138	EA	3/4", 150 LB, Galvanized Malleable Iron Cap.....	12.77	6.56
		<i>For 300 LB Rating, Add</i>	10.59	
		<i>For ASTM 120, Deduct</i>	-0.44	
		<i>For Work In Restricted Working Space, Add</i>	2.95	
22 11 16 00-0139	EA	1", 150 LB, Galvanized Malleable Iron Cap.....	14.98	7.59
		<i>For 300 LB Rating, Add</i>	13.06	
		<i>For ASTM 120, Deduct</i>	-0.55	
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-0140	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap.....	16.69	7.96
		<i>For 300 LB Rating, Add</i>	17.03	
		<i>For ASTM 120, Deduct</i>	-0.72	
		<i>For Work In Restricted Working Space, Add</i>	3.57	
22 11 16 00-0141	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap.....	16.38	7.96
		<i>For 300 LB Rating, Add</i>	15.98	
		<i>For ASTM 120, Deduct</i>	-0.67	
		<i>For Work In Restricted Working Space, Add</i>	3.57	
22 11 16 00-0142	EA	2", 150 LB, Galvanized Malleable Iron Cap.....	25.47	10.54
		<i>For 300 LB Rating, Add</i>	33.63	
		<i>For ASTM 120, Deduct</i>	-1.44	
		<i>For Work In Restricted Working Space, Add</i>	4.76	
22 11 16 00-0143	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap.....	41.23	13.12
		<i>For 300 LB Rating, Add</i>	74.52	
		<i>For ASTM 120, Deduct</i>	-3.24	
		<i>For Work In Restricted Working Space, Add</i>	5.90	
22 11 16 00-0144	EA	3", 150 LB, Galvanized Malleable Iron Cap.....	54.49	15.85
		<i>For 300 LB Rating, Add</i>	105.84	
		<i>For ASTM 120, Deduct</i>	-4.61	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
22 11 16 00-0145	EA	4", 150 LB, Galvanized Malleable Iron Cap.....	86.66	19.51
		<i>For 300 LB Rating, Add</i>	196.98	
		<i>For ASTM 120, Deduct</i>	-8.61	
		<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap.....	227.15	24.41
		<i>For 300 LB Rating, Add</i>	650.27	
		<i>For ASTM 120, Deduct</i>	-28.59	
		<i>For Work In Restricted Working Space, Add</i>	10.96	
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap.....	283.77	29.01
		<i>For 300 LB Rating, Add</i>	819.39	
		<i>For ASTM 120, Deduct</i>	-36.03	
		<i>For Work In Restricted Working Space, Add</i>	13.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	359.93 1,061.44 -46.70 14.58	32.42
22 11 16 00-0149			Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)		
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	40.90 7.37	16.36
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	47.11 8.51	18.95
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	58.07 10.05	22.34
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	75.37 11.96	26.61
22 11 16 00-0154	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	90.60 14.27	31.70
22 11 16 00-0155	EA		2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	108.45 17.69	39.37
22 11 16 00-0156	EA		2-1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	258.93 26.12	58.01
22 11 16 00-0157	EA		3", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	355.10 34.37	76.30
22 11 16 00-0158	EA		1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	57.77 7.37	16.36
22 11 16 00-0159	EA		3/4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	58.52 8.51	18.95
22 11 16 00-0160	EA		1", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	70.90 10.05	22.34
22 11 16 00-0161	EA		1-1/4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	96.48 11.95	26.61
22 11 16 00-0162	EA		1-1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	112.76 14.27	31.70
22 11 16 00-0163	EA		2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	151.05 17.69	39.37
22 11 16 00-0164	EA		2-1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	329.29 26.12	58.01
22 11 16 00-0165	EA		3", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	486.20 34.37	76.30
22 11 16 00-0166	EA		4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	708.85 37.76	83.89
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	62.40 7.37	16.36
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	69.37 8.51	18.95
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	87.92 10.05	22.34
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	115.72 11.95	26.61
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	138.93 14.27	31.70
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	168.64 17.69	39.37
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	392.97 26.12	58.01
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	631.93 34.37	76.30
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	1,423.46 37.76	83.89
22 11 16 00-0176			Galvanized Steel Nipples (22 11 16 00-0013) Note: ASTM A-53.		
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	12.47 2.21 -0.29 3.16	7.00
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	12.10 1.79 -0.24 3.16	7.00
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	12.43 2.17 -0.29 3.16	7.00
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	13.95 2.98 -0.39 3.40	7.59
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	15.80 4.00 -0.53 3.69	8.19
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	16.40 4.69 -0.62 3.69	8.19

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0183	EA 2" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.66 6.61 -0.87 4.76	10.54
22 11 16 00-0184	EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.92 19.68 -2.59 5.90	13.12
22 11 16 00-0185	EA 3" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.46 23.58 -3.10 7.13	15.85
22 11 16 00-0186	EA 4" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.23 35.33 -4.65 8.77	19.51
22 11 16 00-0187	EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.75 2.53 -0.33 3.16	7.00
22 11 16 00-0188	EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.18 1.88 -0.25 3.16	7.00
22 11 16 00-0189	EA 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.60 2.36 -0.31 3.16	7.00
22 11 16 00-0190	EA 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.75 2.53 -0.33 3.16	7.00
22 11 16 00-0191	EA 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.18 1.88 -0.25 3.16	7.00
22 11 16 00-0192	EA 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.60 2.36 -0.31 3.16	7.00
22 11 16 00-0193	EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.42 3.51 -0.46 3.40	7.59
22 11 16 00-0194	EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.05 4.29 -0.56 3.69	8.19
22 11 16 00-0195	EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.71 5.04 -0.66 3.69	8.19
22 11 16 00-0196	EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.50 3.39 -0.45 3.16	7.00
22 11 16 00-0197	EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.47 2.21 -0.29 3.16	7.00
22 11 16 00-0198	EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.82 2.61 -0.34 3.16	7.00
22 11 16 00-0199	EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.68 3.81 -0.50 3.40	7.59
22 11 16 00-0200	EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.42 4.71 -0.62 3.69	8.19
22 11 16 00-0201	EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.21 5.61 -0.74 3.69	8.19
22 11 16 00-0202	EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.38 7.43 -0.98 4.76	10.54
22 11 16 00-0203	EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.50 3.39 -0.45 3.16	7.00
22 11 16 00-0204	EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.47 2.21 -0.29 3.16	7.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.82 2.61 -0.34 3.16	7.00
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.68 3.81 -0.50 3.40	7.59
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.42 4.71 -0.62 3.69	8.19
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.21 5.61 -0.74 3.69	8.19
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.38 7.43 -0.98 4.76	10.54
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.57 20.42 -2.69 5.90	13.12
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.31 26.82 -3.53 7.13	15.85
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.05 4.01 -0.53 3.16	7.00
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.92 2.72 -0.36 3.16	7.00
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.50 3.39 -0.45 3.16	7.00
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.35 4.57 -0.60 3.40	7.59
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.21 5.61 -0.74 3.69	8.19
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.51 7.09 -0.93 3.69	8.19
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.78 9.03 -1.19 4.76	10.54
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.46 23.71 -3.12 5.90	13.12
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.38 31.46 -4.14 7.13	15.85
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.05 4.01 -0.53 3.16	7.00
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.92 2.72 -0.36 3.16	7.00
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.05 4.01 -0.53 3.16	7.00
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.35 4.57 -0.60 3.40	7.59
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.21 5.61 -0.74 3.69	8.19
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.51 7.09 -0.93 3.69	8.19

22 Plumbing

22 10 Plumbing Piping

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0227	EA 2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.85 9.11 -1.20 4.76	10.54
22 11 16 00-0228	EA 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.46 23.71 -3.12 5.90	13.12
22 11 16 00-0229	EA 3" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.38 31.46 -4.14 7.13	15.85
22 11 16 00-0230	EA 4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.30 42.25 -5.56 8.77	19.51
22 11 16 00-0231	EA 3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.38 5.53 -0.73 3.16	7.00
22 11 16 00-0232	EA 1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.41 3.28 -0.43 3.16	7.00
22 11 16 00-0233	EA 3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.07 4.04 -0.53 3.16	7.00
22 11 16 00-0234	EA 1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.26 5.61 -0.74 3.40	7.59
22 11 16 00-0235	EA 1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.37 6.93 -0.91 3.69	8.19
22 11 16 00-0236	EA 1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.81 8.57 -1.13 3.69	8.19
22 11 16 00-0237	EA 2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.97 11.53 -1.52 4.76	10.54
22 11 16 00-0238	EA 2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.85 26.44 -3.48 5.90	13.12
22 11 16 00-0239	EA 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.95 36.67 -4.83 7.13	15.85
22 11 16 00-0240	EA 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.80 47.38 -6.23 8.77	19.51
22 11 16 00-0241	EA 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.38 5.53 -0.73 3.16	7.00
22 11 16 00-0242	EA 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.41 3.28 -0.43 3.16	7.00
22 11 16 00-0243	EA 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.07 4.04 -0.53 3.16	7.00
22 11 16 00-0244	EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.26 5.61 -0.74 3.40	7.59
22 11 16 00-0245	EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.37 6.93 -0.91 3.69	8.19
22 11 16 00-0246	EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.81 8.57 -1.13 3.69	8.19
22 11 16 00-0247	EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.97 11.53 -1.52 4.76	10.54
22 11 16 00-0248	EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.85 26.44 -3.48 5.90	13.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.95 36.67 -4.83 7.13	15.85
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.80 47.38 -6.23 8.77	19.51
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.92 6.14 -0.81 3.16	7.00
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.80 3.73 -0.49 3.16	7.00
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.78 4.85 -0.64 3.16	7.00
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.92 6.36 -0.84 3.40	7.59
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.35 8.05 -1.06 3.69	8.19
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.75 9.64 -1.27 3.69	8.19
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.61 13.40 -1.76 4.76	10.54
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.14 29.05 -3.82 5.90	13.12
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.81 38.79 -5.10 7.13	15.85
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.18 52.37 -6.89 8.77	19.51
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.08 24.57 -3.23 3.16	7.00
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.29 6.57 -0.86 3.16	7.00
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.89 8.39 -1.10 3.16	7.00
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.68 10.65 -1.40 3.40	7.59
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.73 13.04 -1.72 3.69	8.19
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.42 14.97 -1.97 3.69	8.19
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	35.00 21.82 -2.87 4.76	10.54
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	52.46 37.39 -4.92 5.90	13.12
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	69.62 52.26 -6.88 7.13	15.85
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.06 62.49 -8.22 8.77	19.51

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	20.81	7.00
		<i>For Schedule 80 Nipples, Add</i>	11.72	
		<i>For ASTM 120, Deduct</i>	-1.54	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	17.37	7.00
		<i>For Schedule 80 Nipples, Add</i>	7.80	
		<i>For ASTM 120, Deduct</i>	-1.03	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.70	7.00
		<i>For Schedule 80 Nipples, Add</i>	9.31	
		<i>For ASTM 120, Deduct</i>	-1.23	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	22.01	7.59
		<i>For Schedule 80 Nipples, Add</i>	12.16	
		<i>For ASTM 120, Deduct</i>	-1.60	
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	25.97	8.19
		<i>For Schedule 80 Nipples, Add</i>	15.60	
		<i>For ASTM 120, Deduct</i>	-2.05	
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	27.59	8.19
		<i>For Schedule 80 Nipples, Add</i>	17.44	
		<i>For ASTM 120, Deduct</i>	-2.30	
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	38.26	10.54
		<i>For Schedule 80 Nipples, Add</i>	25.54	
		<i>For ASTM 120, Deduct</i>	-3.36	
		<i>For Work In Restricted Working Space, Add</i>	4.76	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	57.04	13.12
		<i>For Schedule 80 Nipples, Add</i>	42.61	
		<i>For ASTM 120, Deduct</i>	-5.61	
		<i>For Work In Restricted Working Space, Add</i>	5.90	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	76.07	15.85
		<i>For Schedule 80 Nipples, Add</i>	59.61	
		<i>For ASTM 120, Deduct</i>	-7.84	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	92.78	19.51
		<i>For Schedule 80 Nipples, Add</i>	72.44	
		<i>For ASTM 120, Deduct</i>	-9.53	
		<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	21.92	7.00
		<i>For Schedule 80 Nipples, Add</i>	12.98	
		<i>For ASTM 120, Deduct</i>	-1.71	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	18.32	7.00
		<i>For Schedule 80 Nipples, Add</i>	8.88	
		<i>For ASTM 120, Deduct</i>	-1.17	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	19.70	7.00
		<i>For Schedule 80 Nipples, Add</i>	10.45	
		<i>For ASTM 120, Deduct</i>	-1.38	
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	23.76	7.59
		<i>For Schedule 80 Nipples, Add</i>	14.16	
		<i>For ASTM 120, Deduct</i>	-1.86	
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	28.72	8.19
		<i>For Schedule 80 Nipples, Add</i>	18.73	
		<i>For ASTM 120, Deduct</i>	-2.46	
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	29.80	8.19
		<i>For Schedule 80 Nipples, Add</i>	19.96	
		<i>For ASTM 120, Deduct</i>	-2.63	
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	41.56	10.54
		<i>For Schedule 80 Nipples, Add</i>	29.30	
		<i>For ASTM 120, Deduct</i>	-3.86	
		<i>For Work In Restricted Working Space, Add</i>	4.76	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	61.49	13.12
		<i>For Schedule 80 Nipples, Add</i>	47.69	
		<i>For ASTM 120, Deduct</i>	-6.27	
		<i>For Work In Restricted Working Space, Add</i>	5.90	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	82.58	15.85
		<i>For Schedule 80 Nipples, Add</i>	67.03	
		<i>For ASTM 120, Deduct</i>	-8.82	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	101.57	19.51
		<i>For Schedule 80 Nipples, Add</i>	82.46	
		<i>For ASTM 120, Deduct</i>	-10.85	
		<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0291	Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)			
22 11 16 00-0292	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	13.36	5.24
		<i>For 300 LB Rating, Add</i>	19.17	
		<i>For Work In Restricted Working Space, Add</i>	2.36	
22 11 16 00-0293	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.30	5.90
		<i>For 300 LB Rating, Add</i>	19.23	
		<i>For Work In Restricted Working Space, Add</i>	2.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.86 21.13 2.95	6.56
22 11 16 00-0295	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.41 32.22 3.34	7.45
22 11 16 00-0296	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.04 43.25 3.76	8.33
22 11 16 00-0297	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.84 55.02 4.78	10.61
22 11 16 00-0298	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.60 106.85 7.08	15.71
22 11 16 00-0299	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.05 151.46 9.32	20.72
22 11 16 00-0300	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.44 312.60 10.23	22.73
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.17 571.91 10.68	23.75
22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.38 618.21 11.16	24.77
22 11 16 00-0303			Galvanized Malleable Iron Bushing <small>(22 11 16 00-0013)</small>		
22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.00 6.25	13.86
22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	36.68 6.63	14.75
22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	37.09 6.99	15.55
22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	44.14 7.12	15.85
22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.46 7.47	16.59
22 11 16 00-0309	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	44.75 7.86	17.47
22 11 16 00-0310	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.46 7.65	17.03
22 11 16 00-0311	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.63 8.00	17.77
22 11 16 00-0312	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.27 8.39	18.65
22 11 16 00-0313	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	52.02 8.88	19.76
22 11 16 00-0314	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	63.42 8.93	19.83
22 11 16 00-0315	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	62.25 9.28	20.64
22 11 16 00-0316	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.82 9.66	21.46
22 11 16 00-0317	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	63.44 10.15	22.56
22 11 16 00-0318	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.58 10.68	23.74
22 11 16 00-0319	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	89.21 12.15	26.99
22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	90.49 12.53	27.87
22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	92.11 13.02	28.90
22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	92.99 13.55	30.15
22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	91.77 14.82	32.95
22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	114.11 14.94	33.17
22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	115.39 15.33	34.06
22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	117.01 15.81	35.16
22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	117.53 16.35	36.34
22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	115.87 17.62	39.14
22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	128.75 20.48	45.56
22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	188.30 16.06	35.66
22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	189.57 16.44	36.54
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	191.18 16.93	37.63

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	192.94 17.45	38.81
22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	181.27 18.71	41.58
22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	206.62 21.56	47.94
22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	206.94 24.33	54.08
22 11 16 00-0337			Galvanized Malleable Iron Floor Flange (22 11 16 00-0013) Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	46.24	26.94
22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	50.54	29.49
22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	58.18	33.32
22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	60.49	34.51
22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	65.84	37.53
22 11 16 00-0343	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	71.20	39.14
22 11 16 00-0344			Galvanized Cast Iron Flanges (22 11 16 00-0013) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0345	EA		3/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	93.42 13.27	29.49
22 11 16 00-0346	EA		1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	88.06 14.99	33.32
22 11 16 00-0347	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	71.86 15.52	34.51
22 11 16 00-0348	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	101.02 16.88	37.53
22 11 16 00-0349	EA		2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	98.07 17.62	39.14
22 11 16 00-0350	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	113.95 20.38	45.34
22 11 16 00-0351	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	210.49 25.86	57.50
22 11 16 00-0352	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	286.18 35.07	77.98
22 11 16 00-0353	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	404.92 41.75	92.81
22 11 16 00-0354	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	443.92 47.96	106.63
22 11 16 00-0355	EA		8", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	404.79 54.81	121.86
22 11 16 00-0356			Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.00 7.20	
22 11 16 00-0358	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.40 7.92	
22 11 16 00-0359	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.81 8.64	
22 11 16 00-0360	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.20 9.36	
22 11 16 00-0361	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.80 9.84	
22 11 16 00-0362	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.40 10.32	
22 11 16 00-0363	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.01 10.80	
22 11 16 00-0364	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.60 11.28	
22 11 16 00-0365	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.20 11.76	
22 11 16 00-0366	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	42.40 12.72	
22 11 16 00-0367	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.60 13.68	
22 11 16 00-0368			Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0847 for pipe with fittings assembly.		
22 11 16 00-0369			Copper Tube/Pipe (22 11 16 00-0369) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0370			Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0371	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.07 0.11 0.14 -0.27 0.81	1.80
22 11 16 00-0372	LF		3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.80 0.16 0.20 -0.40 0.84	1.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0373	LF		1/2" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	5.31 0.19 0.24 -0.48 0.88	1.95
22 11 16 00-0374	LF		3/4" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	6.97 0.31 0.39 -0.77 0.93	2.07
22 11 16 00-0375	LF		1" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	9.08 0.45 0.56 -1.12 1.05	2.33
22 11 16 00-0376	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	12.89 0.62 0.77 -1.54 1.56	3.46
22 11 16 00-0377	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	15.70 0.79 0.99 -1.98 1.74	3.87
22 11 16 00-0378	LF		2" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	22.82 1.25 1.57 -3.14 2.14	4.77
22 11 16 00-0379	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	39.49 1.81 2.26 -4.53 5.06	5.61
22 11 16 00-0380	LF		3" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	50.03 2.42 3.02 -6.04 5.95	6.61
22 11 16 00-0381	LF		4" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	76.20 4.31 5.38 -10.77 6.71	7.46
22 11 16 00-0382	LF		5" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	120.77 7.61 9.51 -19.02 7.71	8.57
22 11 16 00-0383	LF		6" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	164.90 10.01 12.51 -25.02 11.94	13.28
22 11 16 00-0384	LF		8" Hard Drawn Type L Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	280.01 18.86 23.58 -47.15 13.28	14.76
22 11 16 00-0385			Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0389)		
22 11 16 00-0386	LF		1/4" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	4.43 0.12 0.15 -0.31 0.87	1.94
22 11 16 00-0387	LF		3/8" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	6.06 0.22 0.28 -0.55 0.99	2.02
22 11 16 00-0388	LF		1/2" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	6.46 0.26 0.32 -0.65 0.97	2.10
22 11 16 00-0389	LF		3/4" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	9.58 0.47 0.58 -1.17 1.13	2.22
22 11 16 00-0390	LF		1" Hard Drawn Type K Copper Tube/Pipe For Medical/Oxygen Service Tubing, Add For <20, Add For >150, Deduct For Work In Restricted Working Space, Add	11.72 0.62 0.77 -1.55 1.19	2.50

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe	15.29	3.72
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.77	
			<i>For <20, Add</i>	0.96	
			<i>For >150, Deduct</i>	-1.93	
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe	18.70	4.15
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.99	
			<i>For <20, Add</i>	1.24	
			<i>For >150, Deduct</i>	-2.47	
			<i>For Work In Restricted Working Space, Add</i>	1.91	
22 11 16 00-0393	LF		2" Hard Drawn Type K Copper Tube/Pipe	26.76	5.13
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.52	
			<i>For <20, Add</i>	1.90	
			<i>For >150, Deduct</i>	-3.80	
			<i>For Work In Restricted Working Space, Add</i>	2.33	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe	45.21	6.03
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.26	
			<i>For <20, Add</i>	2.83	
			<i>For >150, Deduct</i>	-5.66	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe	60.47	7.11
			<i>For Medical/Oxygen Service Tubing, Add</i>	3.09	
			<i>For <20, Add</i>	3.87	
			<i>For >150, Deduct</i>	-7.73	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe	93.61	8.02
			<i>For Medical/Oxygen Service Tubing, Add</i>	5.51	
			<i>For <20, Add</i>	6.89	
			<i>For >150, Deduct</i>	-13.78	
			<i>For Work In Restricted Working Space, Add</i>	7.41	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe	155.43	9.21
			<i>For Medical/Oxygen Service Tubing, Add</i>	10.10	
			<i>For <20, Add</i>	12.63	
			<i>For >150, Deduct</i>	-25.25	
			<i>For Work In Restricted Working Space, Add</i>	8.75	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe	228.19	14.27
			<i>For Medical/Oxygen Service Tubing, Add</i>	14.49	
			<i>For <20, Add</i>	18.12	
			<i>For >150, Deduct</i>	-36.23	
			<i>For Work In Restricted Working Space, Add</i>	14.11	
22 11 16 00-0399	LF		8" Hard Drawn Type K Copper Tube/Pipe	391.05	15.87
			<i>For Medical/Oxygen Service Tubing, Add</i>	27.14	
			<i>For <20, Add</i>	33.92	
			<i>For >150, Deduct</i>	-67.85	
			<i>For Work In Restricted Working Space, Add</i>	15.55	
22 11 16 00-0400			Hard Drawn Type M Copper Tube/Pipe <small>(22 11 16 00-0369)</small>		
22 11 16 00-0401	LF		3/8" Hard Drawn Type M Copper Tube/Pipe	3.98	1.69
			<i>For <20, Add</i>	0.16	
			<i>For >150, Deduct</i>	-0.31	
			<i>For Work In Restricted Working Space, Add</i>	0.73	
22 11 16 00-0402	LF		1/2" Hard Drawn Type M Copper Tube/Pipe	4.26	1.76
			<i>For <20, Add</i>	0.18	
			<i>For >150, Deduct</i>	-0.35	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
22 11 16 00-0403	LF		3/4" Hard Drawn Type M Copper Tube/Pipe	5.51	1.87
			<i>For <20, Add</i>	0.28	
			<i>For >150, Deduct</i>	-0.57	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
22 11 16 00-0404	LF		1" Hard Drawn Type M Copper Tube/Pipe	7.35	2.10
			<i>For <20, Add</i>	0.44	
			<i>For >150, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
22 11 16 00-0405	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe	10.96	3.12
			<i>For <20, Add</i>	0.64	
			<i>For >150, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	1.38	
22 11 16 00-0406	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe	14.04	3.48
			<i>For <20, Add</i>	0.88	
			<i>For >150, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 11 16 00-0407	LF		2" Hard Drawn Type M Copper Tube/Pipe	20.34	4.29
			<i>For <20, Add</i>	1.38	
			<i>For >150, Deduct</i>	-2.76	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe	35.94	5.05
			<i>For <20, Add</i>	2.00	
			<i>For >150, Deduct</i>	-4.00	
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe	44.50	5.95
			<i>For <20, Add</i>	2.66	
			<i>For >150, Deduct</i>	-5.32	
			<i>For Work In Restricted Working Space, Add</i>	5.37	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe	70.70	6.71
			<i>For <20, Add</i>	4.98	
			<i>For >150, Deduct</i>	-9.97	
			<i>For Work In Restricted Working Space, Add</i>	6.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe	120.84	7.71
			For <20, Add	9.67	
			For >150, Deduct	-19.35	
			For Work In Restricted Working Space, Add	7.23	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe	166.57	11.95
			For <20, Add	12.93	
			For >150, Deduct	-25.85	
			For Work In Restricted Working Space, Add	11.20	
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe	285.97	13.28
			For <20, Add	24.49	
			For >150, Deduct	-48.99	
			For Work In Restricted Working Space, Add	12.31	
22 11 16 00-0414			Soft Drawn Type L Copper Tube (22 11 16 00-0369)		
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube	4.46	1.80
			For <20, Add	0.18	
			For >150, Deduct	-0.35	
			For Work In Restricted Working Space, Add	0.81	
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube	5.54	1.87
			For <20, Add	0.27	
			For >150, Deduct	-0.55	
			For Work In Restricted Working Space, Add	0.84	
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube	6.59	1.95
			For <20, Add	0.37	
			For >150, Deduct	-0.73	
			For Work In Restricted Working Space, Add	0.88	
22 11 16 00-0418	LF		3/4" Soft Drawn Type L Copper Tube	8.72	2.07
			For <20, Add	0.56	
			For >150, Deduct	-1.12	
			For Work In Restricted Working Space, Add	0.93	
22 11 16 00-0419	LF		1" Soft Drawn Type L Copper Tube	11.26	2.33
			For <20, Add	0.78	
			For >150, Deduct	-1.55	
			For Work In Restricted Working Space, Add	1.05	
22 11 16 00-0420	LF		1-1/4" Soft Drawn Type L Copper Tube	15.42	3.46
			For <20, Add	1.02	
			For >150, Deduct	-2.05	
			For Work In Restricted Working Space, Add	1.56	
22 11 16 00-0421	LF		1-1/2" Soft Drawn Type L Copper Tube	19.65	3.87
			For <20, Add	1.39	
			For >150, Deduct	-2.77	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0422	LF		2" Soft Drawn Type L Copper Tube	29.18	4.77
			For <20, Add	2.20	
			For >150, Deduct	-4.41	
			For Work In Restricted Working Space, Add	2.14	
22 11 16 00-0423			Soft Drawn Type K Copper Tube (22 11 16 00-0369)		
22 11 16 00-0424	LF		1/4" Soft Drawn Type K Copper Tube	4.63	1.80
			For <20, Add	0.19	
			For >150, Deduct	-0.39	
			For Work In Restricted Working Space, Add	0.81	
22 11 16 00-0425	LF		3/8" Soft Drawn Type K Copper Tube	6.11	1.87
			For <20, Add	0.33	
			For >150, Deduct	-0.66	
			For Work In Restricted Working Space, Add	0.84	
22 11 16 00-0426	LF		1/2" Soft Drawn Type K Copper Tube	7.07	1.95
			For <20, Add	0.41	
			For >150, Deduct	-0.83	
			For Work In Restricted Working Space, Add	0.88	
22 11 16 00-0427	LF		5/8" Soft Drawn Type K Copper Tube	7.95	2.02
			For <20, Add	0.49	
			For >150, Deduct	-0.99	
			For Work In Restricted Working Space, Add	0.91	
22 11 16 00-0428	LF		3/4" Soft Drawn Type K Copper Tube	10.76	2.07
			For <20, Add	0.77	
			For >150, Deduct	-1.53	
			For Work In Restricted Working Space, Add	0.93	
22 11 16 00-0429	LF		1" Soft Drawn Type K Copper Tube	13.65	2.33
			For <20, Add	1.02	
			For >150, Deduct	-2.03	
			For Work In Restricted Working Space, Add	1.05	
22 11 16 00-0430	LF		1-1/4" Soft Drawn Type K Copper Tube	17.16	3.46
			For <20, Add	1.20	
			For >150, Deduct	-2.39	
			For Work In Restricted Working Space, Add	1.56	
22 11 16 00-0431	LF		1-1/2" Soft Drawn Type K Copper Tube	22.43	3.87
			For <20, Add	1.66	
			For >150, Deduct	-3.33	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0432	LF		2" Soft Drawn Type K Copper Tube	33.01	4.77
			For <20, Add	2.59	
			For >150, Deduct	-5.17	
			For Work In Restricted Working Space, Add	2.14	
22 11 16 00-0433	LF		2-1/2" Soft Drawn Type K Copper Tube	47.36	5.72
			For <20, Add	3.88	
			For >150, Deduct	-7.76	
			For Work In Restricted Working Space, Add	2.57	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0434	LF	3" Soft Drawn Type K Copper Tube.....	64.09	6.75
		For <20, Add	5.40	
		For >150, Deduct	-10.79	
		For Work In Restricted Working Space, Add	3.04	

22 11 16 00-0435 Copper And Brass Fittings (22 11 16 00-0368)
Note: All fittings are based on 95/5 solder.

22 11 16 00-0436 90 Degree Copper Elbows (22 11 16 00-0435)

22 11 16 00-0437	EA	1/4" 90 Degree Copper Elbow	20.09	10.68
		For Silver Solder Instead Of 95/5 Solder, Add	2.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.80	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.40	
		For Street Fitting, Add	1.64	
		For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0438	EA	3/8" 90 Degree Copper Elbow	23.52	12.80
		For Silver Solder Instead Of 95/5 Solder, Add	3.10	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.88	
		For Street Fitting, Add	1.73	
		For Work In Restricted Working Space, Add	5.76	
22 11 16 00-0439	EA	1/2" 90 Degree Copper Elbow	27.80	17.60
		For Silver Solder Instead Of 95/5 Solder, Add	4.03	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.71	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.96	
		For Street Fitting, Add	0.56	
		For Work In Restricted Working Space, Add	7.92	
22 11 16 00-0440	EA	3/4" 90 Degree Copper Elbow	35.95	21.92
		For Silver Solder Instead Of 95/5 Solder, Add	5.08	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.92	
		For Street Fitting, Add	1.26	
		For Work In Restricted Working Space, Add	9.84	
22 11 16 00-0441	EA	1" 90 Degree Copper Elbow	46.91	26.16
		For Silver Solder Instead Of 95/5 Solder, Add	6.27	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.31	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
		For Street Fitting, Add	3.08	
		For Work In Restricted Working Space, Add	11.76	
22 11 16 00-0442	EA	1-1/4" 90 Degree Copper Elbow	53.93	28.32
		For Silver Solder Instead Of 95/5 Solder, Add	6.94	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.82	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.36	
		For Street Fitting, Add	4.61	
		For Work In Restricted Working Space, Add	12.72	
22 11 16 00-0443	EA	1-1/2" 90 Degree Copper Elbow	64.43	30.97
		For Silver Solder Instead Of 95/5 Solder, Add	7.86	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.96	
		For Street Fitting, Add	7.21	
		For Work In Restricted Working Space, Add	13.92	
22 11 16 00-0444	EA	2" 90 Degree Copper Elbow	84.86	34.72
		For Silver Solder Instead Of 95/5 Solder, Add	9.44	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.84	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.80	
		For Street Fitting, Add	13.14	
		For Work In Restricted Working Space, Add	15.60	
22 11 16 00-0445	EA	2-1/2" 90 Degree Copper Elbow	117.52	35.38
		For Silver Solder Instead Of 95/5 Solder, Add	11.18	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.53	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.96	
		For Work In Restricted Working Space, Add	15.92	
22 11 16 00-0446	EA	3" 90 Degree Copper Elbow	154.28	42.32
		For Silver Solder Instead Of 95/5 Solder, Add	14.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.88	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.51	
		For Work In Restricted Working Space, Add	19.02	
22 11 16 00-0447	EA	4" 90 Degree Copper Elbow	310.45	60.01
		For Silver Solder Instead Of 95/5 Solder, Add	24.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.02	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.49	
		For Work In Restricted Working Space, Add	26.98	
22 11 16 00-0448	EA	5" 90 Degree Copper Elbow	1,046.90	82.13
		For Silver Solder Instead Of 95/5 Solder, Add	64.66	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.50	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.47	
		For Work In Restricted Working Space, Add	36.93	
22 11 16 00-0449	EA	6" 90 Degree Copper Elbow	1,410.62	119.51
		For Silver Solder Instead Of 95/5 Solder, Add	88.45	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-79.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	26.87	
		For Work In Restricted Working Space, Add	53.74	
22 11 16 00-0450	EA	8" 90 Degree Copper Elbow	4,794.72	159.31
		For Silver Solder Instead Of 95/5 Solder, Add	263.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-251.68	
		For Brazed Fittings Instead Of 95/5 Solder, Add	35.83	
		For Work In Restricted Working Space, Add	71.66	

22 11 16 00-0451 90 Degree Brass Elbows (22 11 16 00-0435)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0452	EA		1/2" Drop Ear 90 Degree Brass Elbow.....	35.20	17.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.40	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0453	EA		3/4" Drop Ear 90 Degree Brass Elbow.....	58.46	21.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0454	EA		1/2" Flanged Sink 90 Degree Brass Elbow.....	42.44	17.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0455	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	32.36	12.80
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
			<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0456	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	35.82	17.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0457	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	49.39	21.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0458	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	92.16	26.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0459			Reducing 90 Degree Copper Elbows (22 11 16 00-0435)		
22 11 16 00-0460	EA		1/2" Reducing 90 Degree Copper Elbow.....	37.77	17.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0461	EA		3/4" Reducing 90 Degree Copper Elbow.....	40.86	21.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0462	EA		1" Reducing 90 Degree Copper Elbow.....	54.00	26.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.62	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0463	EA		1-1/4" Reducing 90 Degree Copper Elbow.....	80.09	28.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.24	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	12.72	
22 11 16 00-0464	EA		1-1/2" Reducing 90 Degree Copper Elbow.....	95.93	30.97
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.96	
			<i>For Work In Restricted Working Space, Add</i>	13.92	
22 11 16 00-0465	EA		2" Reducing 90 Degree Copper Elbow.....	118.66	34.72
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.53	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.80	
			<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-0466			45 Degree Copper Elbows (22 11 16 00-0435)		
22 11 16 00-0467	EA		1/4" 45 Degree Copper Elbow.....	23.63	10.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.40	
			<i>For Street Fitting, Add</i>	3.05	
			<i>For Work In Restricted Working Space, Add</i>	4.80	
22 11 16 00-0468	EA		3/8" 45 Degree Copper Elbow.....	25.74	12.80
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
			<i>For Street Fitting, Add</i>	2.62	
			<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0469	EA		1/2" 45 Degree Copper Elbow.....	28.97	17.60
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.96	
			<i>For Street Fitting, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	7.92	

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0470	EA 3/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.20 5.14 -3.50 4.92 1.76 9.84	21.92
22 11 16 00-0471	EA 1" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.18 6.43 -4.47 5.88 4.39 11.76	26.16
22 11 16 00-0472	EA 1-1/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.27 7.10 -4.98 6.36 5.95 12.72	28.32
22 11 16 00-0473	EA 1-1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.66 7.87 -5.55 6.96 7.30 13.92	30.97
22 11 16 00-0474	EA 2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.45 9.32 -6.72 7.80 15.60	34.72
22 11 16 00-0475	EA 2-1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.75 11.15 -8.49 7.96 15.92	35.38
22 11 16 00-0476	EA 3" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.87 14.23 -11.06 9.51 19.02	42.32
22 11 16 00-0477	EA 4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.37 23.56 -19.07 13.49 26.98	60.01
22 11 16 00-0478	EA 5" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	903.21 57.47 -51.32 18.47 36.93	82.13
22 11 16 00-0479	EA 6" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,408.52 88.34 -79.38 26.87 53.74	119.51
22 11 16 00-0480	EA 8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,416.24 244.70 -232.76 35.83 71.66	159.31
22 11 16 00-0481	Straight Copper And Brass Tees (22 11 16 00-0435)		
22 11 16 00-0482	EA 1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.57 4.03 -2.83 3.60 7.20	16.00
22 11 16 00-0483	EA 3/8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.70 4.67 -3.23 4.32 8.64	19.20
22 11 16 00-0484	EA 1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.42 6.12 -4.12 6.00 12.00	26.72
22 11 16 00-0485	EA 3/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.36 7.73 -5.25 7.44 14.88	33.12
22 11 16 00-0486	EA 1" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.54 9.75 -6.79 8.88 17.76	39.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0487	EA		1-1/4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.14 10.81 -7.61 9.60 19.20	42.72
22 11 16 00-0488	EA		1-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.13 12.27 -8.79 10.44 20.88	46.40
22 11 16 00-0489	EA		2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.47 14.66 -10.74 11.76 23.52	52.33
22 11 16 00-0490	EA		2-1/2" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.49 17.69 -13.71 11.94 23.89	53.08
22 11 16 00-0491	EA		3" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.33 23.15 -18.36 14.37 28.75	63.92
22 11 16 00-0492	EA		4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	558.92 41.36 -34.65 20.13 40.25	89.50
22 11 16 00-0493	EA		5" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,572.05 96.96 -87.78 27.53 55.07	122.45
22 11 16 00-0494	EA		6" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,167.12 135.26 -121.81 40.36 80.72	179.51
22 11 16 00-0495	EA		8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,679.90 419.82 -401.91 53.74 107.48	239.00
22 11 16 00-0496	EA		1/2" Cast Bronze Drop Ear Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.85 6.74 -4.74 6.00 12.00	26.72
22 11 16 00-0497			Reducing Copper Tees <small>(22 11 16 00-0435)</small>		
22 11 16 00-0498	EA		3/8" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.23 4.52 -3.24 3.84 7.68	17.04
22 11 16 00-0499	EA		1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.00 6.00 -4.20 5.40 10.80	24.00
22 11 16 00-0500	EA		3/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.51 7.27 -4.95 6.96 13.92	30.97
22 11 16 00-0501	EA		1" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.43 9.37 -6.57 8.40 16.80	37.36
22 11 16 00-0502	EA		1-1/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.28 10.59 -7.55 9.12 18.24	40.56
22 11 16 00-0503	EA		1-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.07 12.04 -8.72 9.96 19.92	44.32
22 11 16 00-0504	EA		2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.65 14.17 -10.45 11.16 22.32	49.60

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA		2-1/2" Reducing Copper Tee	202.51	51.16
			For Silver Solder Instead Of 95/5 Solder, Add	17.79	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.96	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.50	
			For Work In Restricted Working Space, Add	23.00	
22 11 16 00-0506	EA		3" Reducing Copper Tee.....	295.12	58.97
			For Silver Solder Instead Of 95/5 Solder, Add	23.60	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.27	
			For Work In Restricted Working Space, Add	26.54	
22 11 16 00-0507	EA		4" Reducing Copper Tee.....	544.14	72.76
			For Silver Solder Instead Of 95/5 Solder, Add	38.12	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.37	
			For Work In Restricted Working Space, Add	32.73	
22 11 16 00-0508			Copper Couplings (22 11 16 00-0435)		
22 11 16 00-0509	EA		1/4" Copper Coupling.....	16.82	10.68
			For Silver Solder Instead Of 95/5 Solder, Add	2.44	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.40	
			For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0510	EA		3/8" Copper Coupling.....	20.29	12.80
			For Silver Solder Instead Of 95/5 Solder, Add	2.93	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.88	
			For Work In Restricted Working Space, Add	5.76	
22 11 16 00-0511	EA		1/2" Copper Coupling.....	27.30	17.60
			For Silver Solder Instead Of 95/5 Solder, Add	4.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.69	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.96	
			For Work In Restricted Working Space, Add	7.92	
22 11 16 00-0512	EA		3/4" Copper Coupling.....	34.63	21.92
			For Silver Solder Instead Of 95/5 Solder, Add	5.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.92	
			For Work In Restricted Working Space, Add	9.84	
22 11 16 00-0513	EA		1" Copper Coupling.....	42.82	26.16
			For Silver Solder Instead Of 95/5 Solder, Add	6.06	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
			For Work In Restricted Working Space, Add	11.76	
22 11 16 00-0514	EA		1-1/4" Copper Coupling.....	48.79	28.32
			For Silver Solder Instead Of 95/5 Solder, Add	6.68	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.56	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.36	
			For Work In Restricted Working Space, Add	12.72	
22 11 16 00-0515	EA		1-1/2" Copper Coupling.....	54.85	30.97
			For Silver Solder Instead Of 95/5 Solder, Add	7.38	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.96	
			For Work In Restricted Working Space, Add	13.92	
22 11 16 00-0516	EA		2" Copper Coupling.....	66.06	34.40
			For Silver Solder Instead Of 95/5 Solder, Add	8.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.80	
			For Work In Restricted Working Space, Add	15.60	
22 11 16 00-0517	EA		2-1/2" Copper Coupling.....	79.02	33.46
			For Silver Solder Instead Of 95/5 Solder, Add	8.96	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.46	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.52	
			For Work In Restricted Working Space, Add	15.04	
22 11 16 00-0518	EA		3" Copper Coupling.....	99.78	40.55
			For Silver Solder Instead Of 95/5 Solder, Add	11.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.01	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.07	
			For Work In Restricted Working Space, Add	18.14	
22 11 16 00-0519	EA		4" Copper Coupling.....	167.73	54.56
			For Silver Solder Instead Of 95/5 Solder, Add	16.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.44	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.16	
			For Work In Restricted Working Space, Add	24.33	
22 11 16 00-0520	EA		5" Copper Coupling.....	291.14	99.52
			For Silver Solder Instead Of 95/5 Solder, Add	25.62	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.59	
			For Work In Restricted Working Space, Add	33.17	
22 11 16 00-0521	EA		6" Copper Coupling.....	460.58	108.14
			For Silver Solder Instead Of 95/5 Solder, Add	39.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.14	
			For Brazed Fittings Instead Of 95/5 Solder, Add	24.33	
			For Work In Restricted Working Space, Add	48.66	
22 11 16 00-0522	EA		8" Copper Coupling.....	1,182.50	143.39
			For Silver Solder Instead Of 95/5 Solder, Add	80.65	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-69.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	32.29	
			For Work In Restricted Working Space, Add	64.58	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0523		Reducing Copper Couplings (22 11 16 00-0435)		
22 11 16 00-0524	EA	3/8" Reducing Copper Coupling	17.79	10.65
		For Silver Solder Instead Of 95/5 Solder, Add	2.49	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.69	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.40	
		For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0525	EA	1/2" Reducing Copper Coupling	24.68	15.20
		For Silver Solder Instead Of 95/5 Solder, Add	3.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.37	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.42	
		For Work In Restricted Working Space, Add	6.84	
22 11 16 00-0526	EA	3/4" Reducing Copper Coupling	32.83	19.77
		For Silver Solder Instead Of 95/5 Solder, Add	4.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.44	
		For Work In Restricted Working Space, Add	8.88	
22 11 16 00-0527	EA	1" Reducing Copper Coupling	41.85	24.00
		For Silver Solder Instead Of 95/5 Solder, Add	5.69	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.89	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.40	
		For Work In Restricted Working Space, Add	10.80	
22 11 16 00-0528	EA	1-1/4" Reducing Copper Coupling	48.94	27.20
		For Silver Solder Instead Of 95/5 Solder, Add	6.53	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.49	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.12	
		For Work In Restricted Working Space, Add	12.24	
22 11 16 00-0529	EA	1-1/2" Reducing Copper Coupling	57.87	29.60
		For Silver Solder Instead Of 95/5 Solder, Add	7.33	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.11	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.66	
		For Work In Restricted Working Space, Add	13.32	
22 11 16 00-0530	EA	2" Reducing Copper Coupling	70.04	32.80
		For Silver Solder Instead Of 95/5 Solder, Add	8.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.96	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.38	
		For Work In Restricted Working Space, Add	14.76	
22 11 16 00-0531	EA	2-1/2" Reducing Copper Coupling	93.36	33.69
		For Silver Solder Instead Of 95/5 Solder, Add	9.72	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.57	
		For Work In Restricted Working Space, Add	15.15	
22 11 16 00-0532	EA	3" Reducing Copper Coupling	111.24	39.07
		For Silver Solder Instead Of 95/5 Solder, Add	11.39	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.74	
		For Work In Restricted Working Space, Add	17.47	
22 11 16 00-0533	EA	4" Reducing Copper Coupling	181.88	51.16
		For Silver Solder Instead Of 95/5 Solder, Add	16.76	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.93	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.50	
		For Work In Restricted Working Space, Add	23.00	
22 11 16 00-0534	EA	5" Reducing Copper Coupling	518.32	71.28
		For Silver Solder Instead Of 95/5 Solder, Add	36.61	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-31.26	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.03	
		For Work In Restricted Working Space, Add	32.07	
22 11 16 00-0535	EA	6" Reducing Copper Coupling	780.87	95.83
		For Silver Solder Instead Of 95/5 Solder, Add	53.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-46.23	
		For Brazed Fittings Instead Of 95/5 Solder, Add	21.56	
		For Work In Restricted Working Space, Add	43.13	
22 11 16 00-0536	EA	8" Reducing Copper Coupling	1,560.01	139.65
		For Silver Solder Instead Of 95/5 Solder, Add	98.94	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-88.47	
		For Brazed Fittings Instead Of 95/5 Solder, Add	31.41	
		For Work In Restricted Working Space, Add	62.81	
22 11 16 00-0537		Male Copper Adapters (22 11 16 00-0435)		
22 11 16 00-0538	EA	1/4" Male Copper Adapter	30.45	10.40
		For Silver Solder Instead Of 95/5 Solder, Add	3.12	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.32	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.40	
		For Work In Restricted Working Space, Add	4.80	
22 11 16 00-0539	EA	3/8" Male Copper Adapter	26.40	12.80
		For Silver Solder Instead Of 95/5 Solder, Add	3.24	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.28	
		For Brazed Fittings Instead Of 95/5 Solder, Add	2.88	
		For Work In Restricted Working Space, Add	5.76	
22 11 16 00-0540	EA	1/2" Male Copper Adapter	26.92	16.00
		For Silver Solder Instead Of 95/5 Solder, Add	3.75	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.55	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.60	
		For Work In Restricted Working Space, Add	7.20	
22 11 16 00-0541	EA	3/4" Male Copper Adapter	34.55	20.00
		For Silver Solder Instead Of 95/5 Solder, Add	4.69	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.44	
		For Work In Restricted Working Space, Add	8.88	

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0542	EA	1" Male Copper Adapter.....	46.98	23.20
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.79	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.07	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.16	
		<i>For Work In Restricted Working Space, Add</i>	10.32	
22 11 16 00-0543	EA	1-1/4" Male Copper Adapter	58.31	26.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.92	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.92	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.00	
		<i>For Work In Restricted Working Space, Add</i>	12.00	
22 11 16 00-0544	EA	1-1/2" Male Copper Adapter	67.02	30.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.91	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.63	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.84	
		<i>For Work In Restricted Working Space, Add</i>	13.68	
22 11 16 00-0545	EA	2" Male Copper Adapter.....	94.66	38.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.57	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.65	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.76	
		<i>For Work In Restricted Working Space, Add</i>	17.52	
22 11 16 00-0546	EA	2-1/2" Male Copper Adapter	190.50	50.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.05	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.29	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.28	
		<i>For Work In Restricted Working Space, Add</i>	22.56	
22 11 16 00-0547	EA	3" Male Copper Adapter.....	252.90	67.27
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.67	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.66	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.04	
		<i>For Work In Restricted Working Space, Add</i>	30.08	
22 11 16 00-0548	EA	4" Male Copper Adapter.....	385.65	94.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	33.44	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-26.36	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	21.23	
		<i>For Work In Restricted Working Space, Add</i>	42.46	

22 11 16 00-0549 Female Copper Adapters (22 11 16 00-0435)

22 11 16 00-0550	EA	1/4" Female Copper Adapter	25.23	10.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.86	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.06	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.40	
		<i>For Work In Restricted Working Space, Add</i>	4.80	
22 11 16 00-0551	EA	3/8" Female Copper Adapter	28.86	12.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.36	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.40	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
		<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0552	EA	1/2" Female Copper Adapter	28.67	16.00
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.63	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.60	
		<i>For Work In Restricted Working Space, Add</i>	7.20	
22 11 16 00-0553	EA	3/4" Female Copper Adapter	35.99	20.00
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.76	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.28	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.44	
		<i>For Work In Restricted Working Space, Add</i>	8.88	
22 11 16 00-0554	EA	1" Female Copper Adapter	49.00	23.20
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.89	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.17	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.16	
		<i>For Work In Restricted Working Space, Add</i>	10.32	
22 11 16 00-0555	EA	1-1/4" Female Copper Adapter	61.43	26.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.07	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.07	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.00	
		<i>For Work In Restricted Working Space, Add</i>	12.00	
22 11 16 00-0556	EA	1-1/2" Female Copper Adapter	79.13	30.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.52	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.24	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.84	
		<i>For Work In Restricted Working Space, Add</i>	13.68	
22 11 16 00-0557	EA	2" Female Copper Adapter	103.89	38.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.04	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.12	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.76	
		<i>For Work In Restricted Working Space, Add</i>	17.52	
22 11 16 00-0558	EA	2-1/2" Female Copper Adapter	231.98	46.44
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.53	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.06	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.39	
		<i>For Work In Restricted Working Space, Add</i>	20.79	
22 11 16 00-0559	EA	3" Female Copper Adapter	374.31	67.27
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.74	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-23.73	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.04	
		<i>For Work In Restricted Working Space, Add</i>	30.08	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0560		Wrot Copper, Solder Union <small>(22 11 16 00-0435)</small>		
22 11 16 00-0561	EA	1/4" Wrot Copper, Solder Union.....	42.45	12.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.04	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.08	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
		<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0562	EA	3/8" Wrot Copper, Solder Union.....	47.16	15.44
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.68	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.52	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
		<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0563	EA	1/2" Wrot Copper, Solder Union.....	43.62	19.20
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.06	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.62	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.32	
		<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0564	EA	3/4" Wrot Copper, Solder Union.....	51.01	21.92
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.19	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
		<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0565	EA	1" Wrot Copper, Solder Union.....	70.50	26.16
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.45	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.49	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
		<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0566	EA	1-1/4" Wrot Copper, Solder Union.....	88.53	28.81
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.75	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.59	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.48	
		<i>For Work In Restricted Working Space, Add</i>	12.96	
22 11 16 00-0567	EA	1-1/2" Wrot Copper, Solder Union.....	111.91	32.01
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.40	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.00	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.20	
		<i>For Work In Restricted Working Space, Add</i>	14.40	
22 11 16 00-0568	EA	2" Wrot Copper, Solder Union.....	166.53	38.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.09	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.21	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.64	
		<i>For Work In Restricted Working Space, Add</i>	17.28	
22 11 16 00-0569	EA	2-1/2" Wrot Copper, Solder Union.....	360.46	42.32
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.36	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.19	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.51	
		<i>For Work In Restricted Working Space, Add</i>	19.02	
22 11 16 00-0570	EA	3" Wrot Copper, Solder Union.....	858.65	60.01
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.93	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-47.43	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.49	
		<i>For Work In Restricted Working Space, Add</i>	26.98	
22 11 16 00-0571		Cast Bronze, Solder Union <small>(22 11 16 00-0435)</small>		
22 11 16 00-0572	EA	1/4" Cast Bronze, Solder Union.....	51.03	12.80
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.47	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.51	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
		<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0573	EA	3/8" Cast Bronze, Solder Union.....	55.25	15.44
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.08	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.92	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
		<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0574	EA	1/2" Cast Bronze, Solder Union.....	45.87	19.20
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.17	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.73	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.32	
		<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0575	EA	3/4" Cast Bronze, Solder Union.....	54.20	21.92
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.99	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.35	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
		<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0576	EA	1" Cast Bronze, Solder Union.....	76.03	26.16
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.72	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.76	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
		<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0577	EA	1-1/4" Cast Bronze, Solder Union.....	103.64	28.81
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.50	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.34	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.48	
		<i>For Work In Restricted Working Space, Add</i>	12.96	
22 11 16 00-0578	EA	1-1/2" Cast Bronze, Solder Union.....	127.67	32.01
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.18	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.78	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.20	
		<i>For Work In Restricted Working Space, Add</i>	14.40	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0579	EA		2" Cast Bronze, Solder Union	193.37	38.40
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.64	
			<i>For Work In Restricted Working Space, Add</i>	17.28	
22 11 16 00-0580	EA		2-1/2" Cast Bronze, Solder Union	360.44	42.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.51	
			<i>For Work In Restricted Working Space, Add</i>	19.02	
22 11 16 00-0581	EA		3" Cast Bronze, Solder Union	858.65	60.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	51.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-47.43	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.49	
			<i>For Work In Restricted Working Space, Add</i>	26.98	
22 11 16 00-0582			Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0435)		
22 11 16 00-0583	EA		1/4" Cast Bronze, Solder X Female Threaded Union.....	62.61	12.80
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
			<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0584	EA		3/8" Cast Bronze, Solder X Female Threaded Union.....	68.12	15.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.73	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0585	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	64.49	19.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0586	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	81.43	21.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.71	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
22 11 16 00-0587	EA		1" Cast Bronze, Solder X Female Threaded Union.....	140.35	26.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	11.76	
22 11 16 00-0588	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	231.72	28.81
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.48	
			<i>For Work In Restricted Working Space, Add</i>	12.96	
22 11 16 00-0589	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	286.83	32.01
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.40	
22 11 16 00-0590	EA		2" Cast Bronze, Solder X Female Threaded Union.....	461.85	38.40
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.85	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-25.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.64	
			<i>For Work In Restricted Working Space, Add</i>	17.28	
22 11 16 00-0591	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	829.72	42.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-44.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.51	
			<i>For Work In Restricted Working Space, Add</i>	19.02	
22 11 16 00-0592			Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0435)		
22 11 16 00-0593	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	52.27	12.80
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.88	
			<i>For Work In Restricted Working Space, Add</i>	5.76	
22 11 16 00-0594	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	61.79	15.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.41	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0595	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	56.97	19.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.73	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.29	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
22 11 16 00-0596	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	75.06	21.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.03	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0597 EA 1" Cast Bronze, Solder X Male Threaded Union.....	143.27	26.16
For Silver Solder Instead Of 95/5 Solder, Add	11.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.88	
For Work In Restricted Working Space, Add	11.76	
22 11 16 00-0598 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union.....	172.30	28.81
For Silver Solder Instead Of 95/5 Solder, Add	12.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.48	
For Work In Restricted Working Space, Add	12.96	
22 11 16 00-0599 EA 1-1/2" Cast Bronze, Solder X Male Threaded Union.....	183.60	32.01
For Silver Solder Instead Of 95/5 Solder, Add	13.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.20	
For Work In Restricted Working Space, Add	14.40	
22 11 16 00-0600 EA 2" Cast Bronze, Solder X Male Threaded Union.....	265.87	38.40
For Silver Solder Instead Of 95/5 Solder, Add	19.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.64	
For Work In Restricted Working Space, Add	17.28	
22 11 16 00-0601 EA 2-1/2" Cast Bronze, Solder X Male Threaded Union.....	673.75	42.32
For Silver Solder Instead Of 95/5 Solder, Add	40.03	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.51	
For Work In Restricted Working Space, Add	19.02	
22 11 16 00-0602 Copper Caps (22 11 16 00-0435)		
22 11 16 00-0603 EA 1/4" Copper Cap	6.53	3.52
For Silver Solder Instead Of 95/5 Solder, Add	0.85	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.79	
For Work In Restricted Working Space, Add	1.58	
22 11 16 00-0604 EA 3/8" Copper Cap	8.32	4.16
For Silver Solder Instead Of 95/5 Solder, Add	1.05	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.95	
For Work In Restricted Working Space, Add	1.90	
22 11 16 00-0605 EA 1/2" Copper Cap	9.73	5.76
For Silver Solder Instead Of 95/5 Solder, Add	1.36	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.31	
For Work In Restricted Working Space, Add	2.62	
22 11 16 00-0606 EA 3/4" Copper Cap	12.74	7.12
For Silver Solder Instead Of 95/5 Solder, Add	1.72	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.18	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.62	
For Work In Restricted Working Space, Add	3.25	
22 11 16 00-0607 EA 1" Copper Cap	17.42	8.56
For Silver Solder Instead Of 95/5 Solder, Add	2.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.94	
For Work In Restricted Working Space, Add	3.88	
22 11 16 00-0608 EA 1-1/4" Copper Cap	19.99	9.20
For Silver Solder Instead Of 95/5 Solder, Add	2.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.10	
For Work In Restricted Working Space, Add	4.20	
22 11 16 00-0609 EA 1-1/2" Copper Cap	24.03	10.08
For Silver Solder Instead Of 95/5 Solder, Add	2.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.30	
For Work In Restricted Working Space, Add	4.59	
22 11 16 00-0610 EA 2" Copper Cap	31.94	10.47
For Silver Solder Instead Of 95/5 Solder, Add	3.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.37	
For Work In Restricted Working Space, Add	4.75	
22 11 16 00-0611 EA 2-1/2" Copper Cap	66.86	12.24
For Silver Solder Instead Of 95/5 Solder, Add	5.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.79	
For Work In Restricted Working Space, Add	5.57	
22 11 16 00-0612 EA 3" Copper Cap	92.93	15.71
For Silver Solder Instead Of 95/5 Solder, Add	7.02	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.57	
For Work In Restricted Working Space, Add	7.13	
22 11 16 00-0613 EA 4" Copper Cap	166.49	23.74
For Silver Solder Instead Of 95/5 Solder, Add	11.92	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.40	
For Work In Restricted Working Space, Add	10.79	
22 11 16 00-0614 EA 5" Cast Bronze Cap	972.88	36.57
For Silver Solder Instead Of 95/5 Solder, Add	54.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-51.41	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.31	
For Work In Restricted Working Space, Add	16.62	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0615	EA		6" Cast Bronze Cap	1,908.56	53.22
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	103.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-99.46	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.18	
22 11 16 00-0616	EA		8" Cast Bronze Cap	2,427.44	70.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	132.12	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-126.75	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.12	
			<i>For Work In Restricted Working Space, Add</i>	32.25	
22 11 16 00-0617			Copper Crosses (22 11 16 00-0435)		
22 11 16 00-0618	EA		1/2" Copper Cross	64.72	32.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.30	
			<i>For Work In Restricted Working Space, Add</i>	14.60	
22 11 16 00-0619	EA		3/4" Copper Cross	91.67	40.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.07	
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 11 16 00-0620	EA		1" Copper Cross	125.27	48.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.88	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.84	
			<i>For Work In Restricted Working Space, Add</i>	21.67	
22 11 16 00-0621	EA		1-1/4" Copper Cross	154.37	52.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.72	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
22 11 16 00-0622	EA		1-1/2" Copper Cross	194.16	56.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.83	
			<i>For Work In Restricted Working Space, Add</i>	25.66	
22 11 16 00-0623	EA		2" Copper Cross	301.08	63.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	24.64	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.37	
			<i>For Work In Restricted Working Space, Add</i>	28.75	
22 11 16 00-0624	EA		2-1/2" Copper Cross	579.26	70.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-34.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.92	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
22 11 16 00-0625			Cast Bronze Crosses (22 11 16 00-0435)		
22 11 16 00-0626	EA		3/8" Cast Bronze Cross.....	56.80	23.59
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	10.61	
22 11 16 00-0627	EA		1/2" Cast Bronze Cross.....	67.93	32.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.26	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.30	
			<i>For Work In Restricted Working Space, Add</i>	14.60	
22 11 16 00-0628	EA		3/4" Cast Bronze Cross.....	97.91	40.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.07	
			<i>For Work In Restricted Working Space, Add</i>	18.14	
22 11 16 00-0629	EA		1" Cast Bronze Cross.....	135.87	48.14
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.02	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.84	
			<i>For Work In Restricted Working Space, Add</i>	21.67	
22 11 16 00-0630	EA		1-1/4" Cast Bronze Cross	169.62	52.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.30	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.72	
			<i>For Work In Restricted Working Space, Add</i>	23.45	
22 11 16 00-0631	EA		1-1/2" Cast Bronze Cross	215.89	56.98
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.83	
			<i>For Work In Restricted Working Space, Add</i>	25.66	
22 11 16 00-0632	EA		2" Cast Bronze Cross.....	342.12	63.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.69	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.37	
			<i>For Work In Restricted Working Space, Add</i>	28.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0633	EA		2-1/2" Cast Bronze Cross	673.88	70.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	44.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-39.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.92	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
22 11 16 00-0634			Flexible Corrugated Copper Supply Line (22 11 16 00-0435)		
22 11 16 00-0635	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	87.93	21.92
22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	94.56	21.92
22 11 16 00-0637	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	75.99	21.92
22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	83.51	21.92
22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	90.14	21.92
22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	94.56	21.92
22 11 16 00-0641			Crimped Copper Fittings (22 11 16 00-0368)		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0642			Crimped Copper 90 Degree Elbows (22 11 16 00-0641)		
22 11 16 00-0643	EA		1/2" Crimped Copper 90 Degree Elbow	16.76	9.61
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.35	
22 11 16 00-0644	EA		3/4" Crimped Copper 90 Degree Elbow	20.40	10.96
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.60	
22 11 16 00-0645	EA		1" Crimped Copper 90 Degree Elbow	27.61	13.04
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.20	
22 11 16 00-0646	EA		1-1/4" Crimped Copper 90 Degree Elbow	37.78	14.40
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	2.43	
22 11 16 00-0647	EA		1-1/2" Crimped Copper 90 Degree Elbow	54.63	16.00
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	4.59	
22 11 16 00-0648	EA		2" Crimped Copper 90 Degree Elbow	71.38	19.20
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	6.39	
22 11 16 00-0649	EA		2-1/2" Crimped Copper 90 Degree Elbow	157.25	22.40
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	18.55	
22 11 16 00-0650	EA		3" Crimped Copper 90 Degree Elbow	195.58	26.64
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	23.34	
22 11 16 00-0651	EA		4" Crimped Copper 90 Degree Elbow	245.27	35.20
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	28.87	
22 11 16 00-0652			Crimped Copper 45 Degree Elbows (22 11 16 00-0641)		
22 11 16 00-0653	EA		1/2" Crimped Copper 45 Degree Elbow	17.15	9.61
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.41	
22 11 16 00-0654	EA		3/4" Crimped Copper 45 Degree Elbow	19.77	10.96
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.51	
22 11 16 00-0655	EA		1" Crimped Copper 45 Degree Elbow	30.44	13.04
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.63	
22 11 16 00-0656	EA		1-1/4" Crimped Copper 45 Degree Elbow	37.15	14.40
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	2.33	
22 11 16 00-0657	EA		1-1/2" Crimped Copper 45 Degree Elbow	49.21	16.00
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	3.78	
22 11 16 00-0658	EA		2" Crimped Copper 45 Degree Elbow	64.08	19.20
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	5.29	
22 11 16 00-0659	EA		2-1/2" Crimped Copper 45 Degree Elbow	115.28	22.40
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	12.25	
22 11 16 00-0660	EA		3" Crimped Copper 45 Degree Elbow	156.71	26.64
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	17.51	
22 11 16 00-0661	EA		4" Crimped Copper 45 Degree Elbow	214.87	35.20
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	24.31	
22 11 16 00-0662			Crimped Copper Straight Tees (22 11 16 00-0641)		
22 11 16 00-0663	EA		1/2" Crimped Copper Straight Tee	25.21	14.40
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.54	
22 11 16 00-0664	EA		3/4" Crimped Copper Straight Tee	34.76	18.96
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.95	
22 11 16 00-0665	EA		1" Crimped Copper Straight Tee	43.07	21.04
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.72	
22 11 16 00-0666	EA		1-1/4" Crimped Copper Straight Tee	51.80	21.60
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	2.91	
22 11 16 00-0667	EA		1-1/2" Crimped Copper Straight Tee	74.50	24.56
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	5.66	
22 11 16 00-0668	EA		2" Crimped Copper Straight Tee	89.78	28.81
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	6.99	
22 11 16 00-0669	EA		2-1/2" Crimped Copper Straight Tee	203.17	33.60
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	22.92	
22 11 16 00-0670	EA		3" Crimped Copper Straight Tee	250.96	40.01
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	28.64	
22 11 16 00-0671	EA		4" Crimped Copper Straight Tee	347.15	52.80
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	40.19	
22 11 16 00-0672			Crimped Copper Reducing Tees (22 11 16 00-0641)		
22 11 16 00-0673	EA		3/4" Crimped Copper Reducing Tee	30.38	13.69
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.47	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0674	EA		1" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	44.40 2.62	18.00
22 11 16 00-0675	EA		1-1/4" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	47.75 2.66	20.00
22 11 16 00-0676	EA		1-1/2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	64.26 5.02	20.56
22 11 16 00-0677	EA		2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	77.30 6.35	23.28
22 11 16 00-0678	EA		2-1/2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	219.47 26.92	26.40
22 11 16 00-0679	EA		3" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	267.70 32.95	32.01
22 11 16 00-0680	EA		4" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	313.95 37.49	42.64
22 11 16 00-0681			Crimped Copper Couplings (22 11 16 00-0641)		
22 11 16 00-0682	EA		1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	16.52 0.32	9.61
22 11 16 00-0683	EA		3/4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	19.62 0.48	10.96
22 11 16 00-0684	EA		1" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	26.11 0.98	13.04
22 11 16 00-0685	EA		1-1/4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	29.69 1.21	14.40
22 11 16 00-0686	EA		1-1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	39.08 2.26	16.00
22 11 16 00-0687	EA		2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	48.05 2.89	19.20
22 11 16 00-0688	EA		2-1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	95.18 9.24	22.40
22 11 16 00-0689	EA		3" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	118.44 11.76	26.64
22 11 16 00-0690	EA		4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	161.70 16.34	35.20
22 11 16 00-0691			Crimped Copper Reducing Couplings (22 11 16 00-0641)		
22 11 16 00-0692	EA		3/4" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	23.35 1.45	9.12
22 11 16 00-0693	EA		1" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	26.68 1.66	10.40
22 11 16 00-0694	EA		1-1/4" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	34.74 2.42	12.40
22 11 16 00-0695	EA		1-1/2" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	44.28 3.56	13.69
22 11 16 00-0696	EA		2" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	49.51 4.01	15.20
22 11 16 00-0697	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	99.95 10.91	18.16
22 11 16 00-0698	EA		3" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	124.80 13.92	21.36
22 11 16 00-0699	EA		4" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	162.12 17.96	28.24
22 11 16 00-0700			Crimped Copper Male Adapters (22 11 16 00-0641)		
22 11 16 00-0701	EA		1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	17.00 0.39	9.61
22 11 16 00-0702	EA		3/4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	21.11 0.71	10.96
22 11 16 00-0703	EA		1" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	28.24 1.30	13.04
22 11 16 00-0704	EA		1-1/4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	40.53 2.84	14.40
22 11 16 00-0705	EA		1-1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	50.55 3.98	16.00
22 11 16 00-0706	EA		2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	79.93 7.67	19.20
22 11 16 00-0707	EA		2-1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	157.25 18.55	22.40
22 11 16 00-0708	EA		3" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	195.58 23.34	26.64
22 11 16 00-0709	EA		4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	232.87 27.01	35.20
22 11 16 00-0710			Crimped Copper Female Adapters (22 11 16 00-0641)		
22 11 16 00-0711	EA		1/2" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	17.54 0.47	9.61
22 11 16 00-0712	EA		3/4" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	21.51 0.77	10.96
22 11 16 00-0713	EA		1" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	29.03 1.41	13.04
22 11 16 00-0714	EA		1-1/4" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	42.88 3.19	14.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0715	EA		1-1/2" Crimped Copper Female Adapter..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	54.95 4.64	16.00
22 11 16 00-0716	EA		2" Crimped Copper Female Adapter..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	81.35 7.88	19.20
22 11 16 00-0717			Crimped Copper Caps (22 11 16 00-0641)		
22 11 16 00-0718	EA		1/2" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	11.75 0.68	4.80
22 11 16 00-0719	EA		3/4" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	16.09 1.15	5.60
22 11 16 00-0720	EA		1" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	21.47 1.78	6.40
22 11 16 00-0721	EA		1-1/4" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	24.23 2.01	7.20
22 11 16 00-0722	EA		1-1/2" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	33.21 3.12	8.24
22 11 16 00-0723	EA		2" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	39.69 3.79	9.61
22 11 16 00-0724	EA		2-1/2" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	97.65 12.13	11.20
22 11 16 00-0725	EA		3" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	122.32 15.35	13.36
22 11 16 00-0726	EA		4" Crimped Copper Cap..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	162.75 20.45	17.60
22 11 16 00-0727			C x F NPT Crimped Bronze Unions (22 11 16 00-0641)		
22 11 16 00-0728	EA		1/2" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	32.96 2.00	13.04
22 11 16 00-0729	EA		3/4" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	41.20 2.57	16.08
22 11 16 00-0730	EA		1" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	57.32 4.26	19.28
22 11 16 00-0731	EA		1-1/4" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	69.41 5.40	22.24
22 11 16 00-0732	EA		1-1/2" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	89.19 8.48	21.77
22 11 16 00-0733	EA		2" C x F NPT Crimped Bronze Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	122.13 11.24	31.52
22 11 16 00-0734			C x C Crimped Bronze Unions (22 11 16 00-0641)		
22 11 16 00-0735	EA		1/2" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	31.05 2.50	9.61
22 11 16 00-0736	EA		3/4" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	38.23 3.27	10.96
22 11 16 00-0737	EA		1" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	54.47 5.23	13.04
22 11 16 00-0738	EA		1-1/4" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	71.39 7.47	14.40
22 11 16 00-0739	EA		1-1/2" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	91.62 10.14	16.00
22 11 16 00-0740	EA		2" C x C Bronze Crimped Union..... <i>For Natural Gas Fittings, 125 PSI, Add</i>	139.24 16.56	19.20
22 11 16 00-0741			C x Flange Crimped Bronze Flange (22 11 16 00-0641)		
22 11 16 00-0742	EA		2-1/2" C x Flange Crimped Bronze Flange.....	270.04	22.40
22 11 16 00-0743	EA		3" C x Flange Crimped Bronze Flange.....	294.49	26.64
22 11 16 00-0744	EA		4" C x Flange Crimped Bronze Flange.....	337.69	35.20
22 11 16 00-0745			Field Installed FKM Seals (22 11 16 00-0641)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.					
22 11 16 00-0746	EA		1/2" Field Installed FKM Seal.....	4.93	
Note: To be used in conjunction with fittings.					
22 11 16 00-0747	EA		3/4" Field Installed FKM Seal.....	6.24	
Note: To be used in conjunction with fittings.					
22 11 16 00-0748	EA		1" Field Installed FKM Seal.....	7.16	
Note: To be used in conjunction with fittings.					
22 11 16 00-0749	EA		1-1/4" Field Installed FKM Seal.....	8.23	
Note: To be used in conjunction with fittings.					
22 11 16 00-0750	EA		1-1/2" Field Installed FKM Seal.....	11.54	
Note: To be used in conjunction with fittings.					
22 11 16 00-0751	EA		2" Field Installed FKM Seal.....	12.85	
Note: To be used in conjunction with fittings.					
22 11 16 00-0752	EA		2-1/2" Field Installed FKM Seal.....	19.16	
Note: To be used in conjunction with fittings.					
22 11 16 00-0753	EA		3" Field Installed FKM Seal.....	22.01	
Note: To be used in conjunction with fittings.					
22 11 16 00-0754	EA		4" Field Installed FKM Seal.....	30.00	
Note: To be used in conjunction with fittings.					
22 11 16 00-0755			Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)		

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0756	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	8.00	
22 11 16 00-0757	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	8.65	
22 11 16 00-0758	EA	1", Cut And Prepare Existing In Place Copper Pipe	9.72	
22 11 16 00-0759	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	10.20	
22 11 16 00-0760	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	10.80	
22 11 16 00-0761	EA	2", Cut And Prepare Existing In Place Copper Pipe	11.89	
22 11 16 00-0762	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	12.80	
22 11 16 00-0763	EA	3", Cut And Prepare Existing In Place Copper Pipe	15.12	
22 11 16 00-0764	EA	4", Cut And Prepare Existing In Place Copper Pipe	20.40	
22 11 16 00-0765	EA	6", Cut And Prepare Existing In Place Copper Pipe	29.16	
22 11 16 00-0766	EA	8", Cut And Prepare Existing In Place Copper Pipe	38.88	
22 11 16 00-0767		Sweat Brass Companion Flanges (22 11 16 00-0368)		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0768	EA	1" Sweat Brass Companion Flange	62.76	12.31
22 11 16 00-0769	EA	1-1/4" Sweat Brass Companion Flange	68.39	13.56
22 11 16 00-0770	EA	1-1/2" Sweat Brass Companion Flange	102.34	14.75
22 11 16 00-0771	EA	2" Sweat Brass Companion Flange	140.29	16.36
22 11 16 00-0772	EA	2-1/2" Sweat Brass Companion Flange	178.40	19.68
22 11 16 00-0773	EA	3" Sweat Brass Companion Flange	192.80	25.80
22 11 16 00-0774	EA	4" Sweat Brass Companion Flange	261.12	30.75
22 11 16 00-0775	EA	5" Sweat Brass Companion Flange	492.74	37.92
22 11 16 00-0776	EA	6" Sweat Brass Companion Flange	552.86	55.10
22 11 16 00-0777	EA	8" Copper Companion Flange	1,342.28	78.60
22 11 16 00-0778		Brass Compression Fittings (22 11 16 00-0368)		
22 11 16 00-0779		Brass Compression Unions (22 11 16 00-0778)		
22 11 16 00-0780	EA	1/4" Brass Compression Union	14.05	8.65
22 11 16 00-0781	EA	3/8" Brass Compression Union	14.34	8.65
22 11 16 00-0782	EA	1/2" Brass Compression Union	15.23	8.65
22 11 16 00-0783	EA	5/8" Brass Compression Union	15.65	8.65
22 11 16 00-0784	EA	3/4" Brass Compression Union	21.52	8.65
22 11 16 00-0785		Brass Compression Union Elbows (22 11 16 00-0778)		
22 11 16 00-0786	EA	1/4" Brass Compression Union Elbow	15.23	8.65
22 11 16 00-0787	EA	3/8" Brass Compression Union Elbow	15.70	8.65
22 11 16 00-0788	EA	1/2" Brass Compression Union Elbow	16.75	8.65
22 11 16 00-0789	EA	5/8" Brass Compression Union Elbow	18.38	8.65
22 11 16 00-0790	EA	3/4" Brass Compression Union Elbow	24.73	8.65
22 11 16 00-0791	EA	3/8" x 1/4" Brass Compression Union Elbow	15.70	8.65
22 11 16 00-0792	EA	1/2" x 3/8" Brass Compression Union Elbow	16.75	8.65
22 11 16 00-0793	EA	5/8" x 3/8" Brass Compression Union Elbow	17.04	8.65
22 11 16 00-0794	EA	5/8" x 1/2" Brass Compression Union Elbow	21.82	8.65
22 11 16 00-0795		Brass Compression Union Tees (22 11 16 00-0778)		
22 11 16 00-0796	EA	1/4" Brass Compression Union Tee	15.59	8.65
22 11 16 00-0797	EA	3/8" Brass Compression Union Tee	16.58	8.65
22 11 16 00-0798	EA	1/2" Brass Compression Union Tee	17.63	8.65
22 11 16 00-0799	EA	5/8" Brass Compression Union Tee	20.94	8.65
22 11 16 00-0800	EA	3/4" Brass Compression Union Tee	32.41	8.65
22 11 16 00-0801	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	17.28	8.65
22 11 16 00-0802	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	22.66	8.65
22 11 16 00-0803	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	22.14	8.65
22 11 16 00-0804	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	22.75	8.65
22 11 16 00-0805		Brass Compression Male Connectors (22 11 16 00-0778)		
22 11 16 00-0806	EA	1/4" Brass Compression Male Connector	13.84	8.65
22 11 16 00-0807	EA	3/8" Brass Compression Male Connector	14.23	8.65
22 11 16 00-0808	EA	1/2" Brass Compression Male Connector	14.89	8.65
22 11 16 00-0809	EA	5/8" Brass Compression Male Connector	15.88	8.65
22 11 16 00-0810	EA	3/4" Brass Compression Male Connector	18.95	8.56
22 11 16 00-0811		Brass Compression Female Connectors (22 11 16 00-0778)		
22 11 16 00-0812	EA	1/4" Brass Compression Female Connector	14.26	8.65
22 11 16 00-0813	EA	3/8" Brass Compression Female Connector	14.76	8.65
22 11 16 00-0814	EA	1/2" Brass Compression Female Connector	15.60	8.65
22 11 16 00-0815	EA	5/8" Brass Compression Female Connector	16.25	8.65
22 11 16 00-0816	EA	3/4" Brass Compression Female Connector	24.97	8.48
22 11 16 00-0817		Dielectric Fittings (22 11 16 00-0368)		
22 11 16 00-0818		Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0817)		
22 11 16 00-0819	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	36.11	19.20
22 11 16 00-0820	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	40.10	21.92
22 11 16 00-0821	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	48.82	24.11
22 11 16 00-0822	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	60.62	26.54
22 11 16 00-0823	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	74.73	29.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0824	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	96.07	35.38
22 11 16 00-0825		Female Brass Thread x Iron Pipe Thread Dielectric Unions <small>(22 11 16 00-0817)</small>		
22 11 16 00-0826	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	40.72	19.20
22 11 16 00-0827	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	47.69	21.92
22 11 16 00-0828	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	58.83	24.11
22 11 16 00-0829	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	73.90	26.54
22 11 16 00-0830	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	91.16	29.49
22 11 16 00-0831	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	115.34	35.38
22 11 16 00-0832		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions <small>(22 11 16 00-0817)</small>		
22 11 16 00-0833	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	37.80	19.20
22 11 16 00-0834	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	42.87	21.92
22 11 16 00-0835	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	49.55	24.11
22 11 16 00-0836	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	58.05	26.54
22 11 16 00-0837	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	72.19	29.49
22 11 16 00-0838	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	94.03	35.38
22 11 16 00-0839		Copper x Female Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0817)</small>		
22 11 16 00-0840	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	231.22	90.97
22 11 16 00-0841	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	289.11	114.56
22 11 16 00-0842	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	410.74	155.92
22 11 16 00-0843		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0817)</small>		
22 11 16 00-0844	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	233.14	90.97
22 11 16 00-0845	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	304.22	114.56
22 11 16 00-0846	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	585.10	155.92
22 11 16 00-0847		Copper Pipe Assemblies <small>(22 11 16)</small>		
<p>Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.</p>				
22 11 16 00-0848	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	17.27	2.24
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p>				
			1.33	
<i>For Type K Tubing Instead Of Type L, Add</i>				
<i>For Type M Tubing Instead Of Type L, Deduct</i>			-1.07	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>			2.11	
<i>For For Brazed Fittings, Add</i>			0.50	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>			-1.49	
<i>For Work In Restricted Working Space, Add</i>			3.75	
22 11 16 00-0849	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	20.18	2.88
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p>				
			1.61	
<i>For Type K Tubing Instead Of Type L, Add</i>				
<i>For Type M Tubing Instead Of Type L, Deduct</i>			-1.29	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>			2.43	
<i>For For Brazed Fittings, Add</i>			0.57	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>			-1.72	
<i>For Work In Restricted Working Space, Add</i>			4.25	
22 11 16 00-0850	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly	22.78	3.44
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p>				
			1.98	
<i>For Type K Tubing Instead Of Type L, Add</i>				
<i>For Type M Tubing Instead Of Type L, Deduct</i>			-1.54	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>			2.63	
<i>For For Brazed Fittings, Add</i>			0.59	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>			-1.88	
<i>For Work In Restricted Working Space, Add</i>			4.46	
22 11 16 00-0851	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly	26.39	4.00
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p>				
			2.53	
<i>For Type K Tubing Instead Of Type L, Add</i>				
<i>For Type M Tubing Instead Of Type L, Deduct</i>			-1.93	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>			2.86	
<i>For For Brazed Fittings, Add</i>			0.62	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>			-2.09	
<i>For Work In Restricted Working Space, Add</i>			4.63	
<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>			-1.10	
22 11 16 00-0852	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	29.87	4.57
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p>				
			3.00	
<i>For Type K Tubing Instead Of Type L, Add</i>				
<i>For Type M Tubing Instead Of Type L, Deduct</i>			-2.27	
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>			3.14	
<i>For For Brazed Fittings, Add</i>			0.66	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>			-2.32	
<i>For Work In Restricted Working Space, Add</i>			4.94	
<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>			-1.34	

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0853	LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 4.23 <i>For Type M Tubing Instead Of Type L, Deduct</i> -3.14 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.84 <i>For For Brazed Fittings, Add</i> 0.76 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.89 <i>For Work In Restricted Working Space, Add</i> 5.69 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -1.99	38.83	5.68
22 11 16 00-0854	LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 5.96 <i>For Type M Tubing Instead Of Type L, Deduct</i> -4.35 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.53 <i>For For Brazed Fittings, Add</i> 0.81 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.51 <i>For Work In Restricted Working Space, Add</i> 6.10 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -2.95	49.84	6.85
22 11 16 00-0855	LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 7.93 <i>For Type M Tubing Instead Of Type L, Deduct</i> -5.73 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 5.33 <i>For For Brazed Fittings, Add</i> 0.88 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -4.22 <i>For Work In Restricted Working Space, Add</i> 6.61 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -4.04	62.46	7.96
22 11 16 00-0856	LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 13.85 <i>For Type M Tubing Instead Of Type L, Deduct</i> -9.89 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 7.92 <i>For For Brazed Fittings, Add</i> 1.14 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -6.49 <i>For Work In Restricted Working Space, Add</i> 8.54 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -7.29	101.39	10.54
22 11 16 00-0857	LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 28.75 <i>For Type M Tubing Instead Of Type L, Deduct</i> -20.24 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 13.31 <i>For For Brazed Fittings, Add</i> 1.46 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -11.48 <i>For Work In Restricted Working Space, Add</i> 10.97 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -15.65	193.05	13.12
22 11 16 00-0858	LF 6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 37.94 <i>For Type M Tubing Instead Of Type L, Deduct</i> -26.69 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 17.31 <i>For For Brazed Fittings, Add</i> 1.86 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -14.99 <i>For Work In Restricted Working Space, Add</i> 13.93 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -20.69	253.36	15.85
22 11 16 00-0859	LF 8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 96.05 <i>For Type M Tubing Instead Of Type L, Deduct</i> -66.81 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 35.53 <i>For For Brazed Fittings, Add</i> 2.31 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -32.65 <i>For Work In Restricted Working Space, Add</i> 17.31 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -53.75	595.22	18.95
22 11 16 00-0860	Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0861	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0860)		
22 11 16 00-0862	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0861)		
22 11 16 00-0863	LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 0.88	5.73	1.18
22 11 16 00-0864	LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 0.93	6.89	1.24
22 11 16 00-0865	LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.00	8.92	1.33
22 11 16 00-0866	LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.09	11.35	1.46
22 11 16 00-0867	LF 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.21	13.35	1.61
22 11 16 00-0868	LF 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i> 1.35	17.43	1.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0869	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	24.89 1.53	2.04
22 11 16 00-0870	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	32.46 1.81	2.42
22 11 16 00-0871	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	46.19 2.23	2.97
22 11 16 00-0872	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	84.42 2.83	3.77
22 11 16 00-0873	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	122.98 3.71	4.95
22 11 16 00-0874			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0861)</small>		
22 11 16 00-0875	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	18.36 4.20	5.60
22 11 16 00-0876	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	24.46 5.31	7.07
22 11 16 00-0877	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	32.87 6.65	8.84
22 11 16 00-0878	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.31 8.32	11.06
22 11 16 00-0879	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.90 9.20	12.24
22 11 16 00-0880	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	65.53 10.26	12.24
22 11 16 00-0881	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	120.53 11.68	15.55
22 11 16 00-0882	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	134.68 13.80	18.44
22 11 16 00-0883	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	204.51 16.99	22.63
22 11 16 00-0884	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	257.33 21.59	28.75
22 11 16 00-0885	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	548.05 28.31	37.75
22 11 16 00-0886			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0861)</small>		
22 11 16 00-0887	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	20.53 4.20	5.60
22 11 16 00-0888	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.06 5.31	7.07
22 11 16 00-0889	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	37.09 6.65	8.84
22 11 16 00-0890	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	53.86 8.32	11.06
22 11 16 00-0891	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.66 9.20	12.24
22 11 16 00-0892	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	67.83 10.26	13.72
22 11 16 00-0893	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	121.98 11.68	15.55
22 11 16 00-0894	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	134.49 13.80	18.44
22 11 16 00-0895	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.01 16.99	22.63
22 11 16 00-0896	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	307.00 21.59	28.75
22 11 16 00-0897	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	583.24 28.31	37.75
22 11 16 00-0898			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees <small>(22 11 16 00-0861)</small>		
22 11 16 00-0899	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	28.92 6.30	8.41
22 11 16 00-0900	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	39.16 7.96	10.61
22 11 16 00-0901	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	48.84 10.00	13.34
22 11 16 00-0902	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	74.30 12.47	16.66
22 11 16 00-0903	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	83.49 13.80	18.44
22 11 16 00-0904	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	107.23 15.39	20.50
22 11 16 00-0905	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	150.25 17.52	23.37
22 11 16 00-0906	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	168.95 20.70	27.57
22 11 16 00-0907	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	203.00 25.48	33.99
22 11 16 00-0908	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	338.63 32.38	43.20
22 11 16 00-0909	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	802.03 42.46	56.62

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0910			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0861)		
22 11 16 00-0911	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	34.83	11.21
			<i>For Work In Restricted Working Space, Add</i>	8.41	
22 11 16 00-0912	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	46.25	14.15
			<i>For Work In Restricted Working Space, Add</i>	10.61	
22 11 16 00-0913	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	57.75	17.77
			<i>For Work In Restricted Working Space, Add</i>	13.31	
22 11 16 00-0914	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	83.62	22.18
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 11 16 00-0915	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	93.63	24.55
			<i>For Work In Restricted Working Space, Add</i>	18.40	
22 11 16 00-0916	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	116.57	27.35
			<i>For Work In Restricted Working Space, Add</i>	20.52	
22 11 16 00-0917	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	156.96	31.11
			<i>For Work In Restricted Working Space, Add</i>	23.35	
22 11 16 00-0918	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	178.09	36.79
			<i>For Work In Restricted Working Space, Add</i>	27.60	
22 11 16 00-0919	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	214.93	45.27
			<i>For Work In Restricted Working Space, Add</i>	33.97	
22 11 16 00-0920	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	342.61	57.58
			<i>For Work In Restricted Working Space, Add</i>	43.17	
22 11 16 00-0921	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	757.63	75.49
			<i>For Work In Restricted Working Space, Add</i>	56.62	
22 11 16 00-0922			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0861)		
22 11 16 00-0923	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	15.58	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 11 16 00-0924	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	22.54	7.00
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0925	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	46.03	9.14
			<i>For Work In Restricted Working Space, Add</i>	6.86	
22 11 16 00-0926	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	52.64	10.10
			<i>For Work In Restricted Working Space, Add</i>	7.59	
22 11 16 00-0927	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	64.16	11.28
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0928	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	68.06	12.83
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0929	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	83.96	15.19
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 11 16 00-0930	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	120.44	18.65
			<i>For Work In Restricted Working Space, Add</i>	14.02	
22 11 16 00-0931	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	216.36	23.74
			<i>For Work In Restricted Working Space, Add</i>	17.81	
22 11 16 00-0932	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	550.24	31.11
			<i>For Work In Restricted Working Space, Add</i>	23.35	
22 11 16 00-0933			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0861)		
22 11 16 00-0934	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	26.24	3.69
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 11 16 00-0935	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	31.33	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 11 16 00-0936	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	37.15	7.00
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0937	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	44.76	9.14
			<i>For Work In Restricted Working Space, Add</i>	6.86	
22 11 16 00-0938	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	54.51	10.10
			<i>For Work In Restricted Working Space, Add</i>	7.59	
22 11 16 00-0939	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	73.46	11.28
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0940	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	128.78	12.83
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0941	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	290.40	15.19
			<i>For Work In Restricted Working Space, Add</i>	11.39	
22 11 16 00-0942	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	444.59	18.65
			<i>For Work In Restricted Working Space, Add</i>	14.02	
22 11 16 00-0943			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0861)		
22 11 16 00-0944	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	15.74	3.69
			<i>For Work In Restricted Working Space, Add</i>	2.77	
22 11 16 00-0945	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	21.79	5.16
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 11 16 00-0946	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	32.32	7.00
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0947	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	44.76	9.14
			<i>For Work In Restricted Working Space, Add</i>	6.86	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0948	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	54.93 7.59	10.10
22 11 16 00-0949	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	68.32 8.47	11.28
22 11 16 00-0950	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	108.02 9.64	12.83
22 11 16 00-0951	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	129.71 11.39	15.19
22 11 16 00-0952	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	201.86 14.02	18.65
22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0861)</small>						
22 11 16 00-0954	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	18.22 2.77	3.69
22 11 16 00-0955	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	22.58 3.89	5.16
22 11 16 00-0956	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	32.53 5.24	7.00
22 11 16 00-0957	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	45.49 6.86	9.14
22 11 16 00-0958	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	51.61 7.59	10.10
22 11 16 00-0959	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	65.61 8.47	11.28
22 11 16 00-0960	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	109.59 9.64	12.83
22 11 16 00-0961	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	157.12 11.39	15.19
22 11 16 00-0962	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	248.46 14.02	18.65
22 11 16 00-0963 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0861)</small>						
22 11 16 00-0964	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	13.96 2.52	3.40
22 11 16 00-0965	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	19.64 3.54	4.72
22 11 16 00-0966	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	26.42 4.76	6.34
22 11 16 00-0967	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	36.55 6.24	8.33
22 11 16 00-0968	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	42.86 6.90	9.22
22 11 16 00-0969	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	48.71 7.70	10.25
22 11 16 00-0970	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	84.48 8.76	11.64
22 11 16 00-0971	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	90.35 10.35	13.79
22 11 16 00-0972	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	115.62 12.74	16.96
22 11 16 00-0973	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	198.29 16.19	21.60
22 11 16 00-0974	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	363.23 21.23	28.31
22 11 16 00-0975 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0861)</small>						
22 11 16 00-0976	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	33.76 3.03	4.05
22 11 16 00-0977	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	38.96 4.25	5.68
22 11 16 00-0978	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	44.61 5.71	7.59
22 11 16 00-0979	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	85.10 7.47	9.96
22 11 16 00-0980	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	88.84 8.27	11.06
22 11 16 00-0981	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	132.47 9.25	12.31
22 11 16 00-0982	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	245.81 10.51	14.01
22 11 16 00-0983	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	359.97 12.43	16.59
22 11 16 00-0984	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	592.46 15.28	20.35
22 11 16 00-0985	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	796.09 19.42	25.87
22 11 16 00-0986	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	978.30 25.48	33.99
22 11 16 00-0987 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0861)</small>						
22 11 16 00-0988	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	14.02 1.58	3.47

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0989	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	19.06 1.99	4.35
22 11 16 00-0990	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	30.29 2.50	5.46
22 11 16 00-0991	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	34.48 3.12	4.12
22 11 16 00-0992	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	36.07 3.45	4.57
22 11 16 00-0993	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	52.39 3.85	5.16
22 11 16 00-0994	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	85.82 4.38	5.82
22 11 16 00-0995	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	90.11 5.18	6.93
22 11 16 00-0996	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	144.13 6.37	8.48
22 11 16 00-0997	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	332.79 8.10	10.76
22 11 16 00-0998	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	428.05 10.61	14.15
22 11 16 00-0999			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0961)		
22 11 16 00-1000	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	27.84 2.01	2.66
22 11 16 00-1001	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	32.08 2.83	3.76
22 11 16 00-1002	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	37.91 3.80	5.08
22 11 16 00-1003	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	42.62 5.00	6.63
22 11 16 00-1004	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	45.00 5.53	7.37
22 11 16 00-1005	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	55.82 6.15	8.19
22 11 16 00-1006	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	78.49 7.01	9.36
22 11 16 00-1007	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	87.69 8.27	11.06
22 11 16 00-1008	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	110.17 10.20	13.56
22 11 16 00-1009	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	162.96 12.96	17.25
22 11 16 00-1010	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	326.81 16.99	22.63
22 11 16 00-1011			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1012			Cross-Linked Polyethylene Tubing (22 11 16 00-1011)		
22 11 16 00-1013	LF		3/8" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	2.90 0.69	
22 11 16 00-1014	LF		1/2" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.16 0.75	
22 11 16 00-1015	LF		3/4" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.92 0.81	
22 11 16 00-1016	LF		1" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.93 0.86	
22 11 16 00-1017			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1011) Note: Aboveground, domestic water usage.		
22 11 16 00-1018			Male Adapters (22 11 16 00-1017)		
22 11 16 00-1019	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.33 3.60	
22 11 16 00-1020	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.76 3.84	
22 11 16 00-1021	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.80 4.08	
22 11 16 00-1022	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.60 4.32	
22 11 16 00-1023	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.80 4.08	
22 11 16 00-1024	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.69 4.80	
22 11 16 00-1025			Female Adapters (22 11 16 00-1017)		
22 11 16 00-1026	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.38 3.84	
22 11 16 00-1027	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.52 4.08	
22 11 16 00-1028	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.32 4.32	
22 11 16 00-1029	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.52 4.08	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1030	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	29.47 4.80	
22 11 16 00-1031 Tube Adapters <small>(22 11 16 00-1017)</small>				
22 11 16 00-1032	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.80 3.60	
22 11 16 00-1033	EA	1/2" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	15.60 3.84	
22 11 16 00-1034	EA	3/4" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.58 4.32	
22 11 16 00-1035	EA	1" Forged Brass Tube Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	27.10 4.80	
22 11 16 00-1036 Plugs <small>(22 11 16 00-1017)</small>				
22 11 16 00-1037	EA	3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	7.78 1.68	
22 11 16 00-1038	EA	1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	8.58 1.92	
22 11 16 00-1039	EA	3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.00 2.16	
22 11 16 00-1040	EA	1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	13.18 2.40	
22 11 16 00-1041 Tees <small>(22 11 16 00-1017)</small>				
22 11 16 00-1042	EA	3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.36 5.04	
22 11 16 00-1043	EA	1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.76 5.76	
22 11 16 00-1044	EA	3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.27 6.48	
22 11 16 00-1045	EA	1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	40.43 7.20	
22 11 16 00-1046	EA	1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.96 5.52	
22 11 16 00-1047	EA	3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.67 6.00	
22 11 16 00-1048	EA	1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.79 6.48	
22 11 16 00-1049 Couplings <small>(22 11 16 00-1017)</small>				
22 11 16 00-1050	EA	3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	13.54 3.36	
22 11 16 00-1051	EA	1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.29 3.84	
22 11 16 00-1052	EA	3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.67 4.32	
22 11 16 00-1053	EA	1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.89 4.80	
22 11 16 00-1054	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.87 4.08	
22 11 16 00-1055	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.09 4.56	
22 11 16 00-1056 Fitting Reducers <small>(22 11 16 00-1017)</small>				
22 11 16 00-1057	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	15.27 3.60	
22 11 16 00-1058	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.07 3.84	
22 11 16 00-1059	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.51 4.32	
22 11 16 00-1060	EA	1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	32.43 4.80	
22 11 16 00-1061 90 Degree Elbows <small>(22 11 16 00-1017)</small>				
22 11 16 00-1062	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.94 3.36	
22 11 16 00-1063	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.54 3.84	
22 11 16 00-1064	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.51 4.32	
22 11 16 00-1065	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.71 4.08	
22 11 16 00-1066	EA	1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.27 3.84	
22 11 16 00-1067	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.27 4.32	
22 11 16 00-1068	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.47 4.08	

MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 Domestic Water Piping Specialties (22 11)

22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)

22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001)

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.16	1.59
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.74	1.59
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.54	1.59
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	5.58	1.59
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.16	2.38
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.91	2.38
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	11.91	3.17
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	21.18	3.17

22 11 19 00-0011 Reinforced EPDM Water Hose Assembly (22 11 19 00-0001)

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	27.20	3.17
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	31.92	3.17
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	44.79	3.90
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	62.39	5.27

22 11 19 00-0016 Chemical Resistant Rubber Hoses (22 11 19 00-0001)

22 11 19 00-0017	EA	50" x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	974.42	174.42
22 11 19 00-0018	EA	50" x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,384.30	174.42

22 11 19 00-0019 Water Pump Hose (22 11 19 00-0001)

22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose.....	259.70	48.44
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose.....	272.30	48.44

22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)

22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	19.80	6.66
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	21.00	7.14
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	22.49	7.61
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	25.75	8.56
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	30.60	10.47
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	36.25	12.53
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	46.70	16.49
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	58.80	20.61

22 11 19 00-0031 Worm-Drive Hose Clamp (22 11 19 00-0001)

22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp.....	8.21	2.38
22 11 19 00-0033	EA	1/2" To 1-1/8" Diameter Worm Drive Hose Clamp.....	8.69	2.38
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	9.21	2.38
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp.....	9.80	2.38
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	10.47	2.38
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	11.34	3.17
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	12.23	3.17

22 11 19 00-0039 Trap Primer And Accessories (22 11 19)

22 11 19 00-0040 Trap Primer (22 11 19 00-0039)

22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	241.57	12.00
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	147.69	8.00
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	142.84	8.00

22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)

22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	117.01	16.00
Note: Can be used for two, three or four drains.				
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	130.05	16.00
Note: Can be used for two, three or four drains.				

22 11 19 00-0047 Trap Primer Manifold (22 11 19 00-0039)

22 11 19 00-0048	EA	Two Outlet Manifold.....	192.98	21.52
22 11 19 00-0049	EA	Four Outlet Manifold.....	295.14	24.48
22 11 19 00-0050	EA	Six Outlet Manifold.....	395.46	25.92
22 11 19 00-0051	EA	Eight Outlet Manifold.....	498.38	30.40

22 11 19 00-0052 Brass, Anti Siphon Vacuum Breakers (22 11 19)

Note: Watts 288A

22 11 19 00-0053	EA	1/2" Brass, Anti Siphon Vacuum Breaker.....	81.29	20.00
22 11 19 00-0054	EA	3/4" Brass, Anti Siphon Vacuum Breaker.....	93.73	22.40

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0055	EA			1" Brass, Anti Siphon Vacuum Breaker	201.28	25.60
22 11 19 00-0056	EA			1-1/4" Brass, Anti Siphon Vacuum Breaker	325.19	29.60
22 11 19 00-0057	EA			1-1/2" Brass, Anti Siphon Vacuum Breaker	388.78	32.80
22 11 19 00-0058	EA			2" Brass, Anti Siphon Vacuum Breaker	572.94	40.01
22 11 19 00-0059	EA			2-1/2" Brass, Anti Siphon Vacuum Breaker	1,527.16	50.01

22 11 19 00-0060 Anti Siphon Pressure Vacuum Breakers (22 11 19)
 Note: Watts 800M4QT

22 11 19 00-0061	EA			1/2" Anti Siphon Pressure Type Vacuum Breaker	256.15	20.00
22 11 19 00-0062	EA			3/4" Anti Siphon Pressure Type Vacuum Breaker	221.80	22.40
22 11 19 00-0063	EA			1" Anti Siphon Pressure Type Vacuum Breaker	320.21	25.60
22 11 19 00-0064	EA			1-1/4" Anti Siphon Pressure Type Vacuum Breaker	586.86	29.60
22 11 19 00-0065	EA			1-1/2" Anti Siphon Pressure Type Vacuum Breaker	715.31	32.80
22 11 19 00-0066	EA			2" Anti Siphon Pressure Type Vacuum Breaker	719.21	40.01

22 11 19 00-0067 Bellows Type Water Hammer Arrestors (22 11 19)

22 11 19 00-0068	EA			Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	238.72	9.56
22 11 19 00-0069	EA			>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	470.00	11.57
22 11 19 00-0070	EA			>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	691.51	11.57
22 11 19 00-0071	EA			>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,698.82	11.57
22 11 19 00-0072	EA			>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,914.58	11.57
22 11 19 00-0073	EA			>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,347.38	11.57

22 11 19 00-0074 Piston Type Water Hammer Arrestors (22 11 19)

22 11 19 00-0075 Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0074)

22 11 19 00-0076	EA			Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	144.36	5.33
22 11 19 00-0077	EA			>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	279.68	6.15
22 11 19 00-0078	EA			>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	417.11	6.67
22 11 19 00-0079	EA			>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,030.72	8.61
22 11 19 00-0080	EA			>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,255.26	10.67
22 11 19 00-0081	EA			>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,428.72	11.57

22 11 19 00-0082 Wall Hydrants (22 11 19)
 Note: Female inlet connection, 3/4" hose thread outlet.

22 11 19 00-0083 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0082)
 Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0084	EA			6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	729.30	20.00
				<i>For Cast Bronze Box, Add</i>	38.41	
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0085	EA			12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	765.26	24.00
				<i>For Cast Bronze Box, Add</i>	38.41	
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0086	EA			18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	781.65	28.89
				<i>For Cast Bronze Box, Add</i>	38.41	
				<i>For 1" NPT Outlet, Add</i>	90.52	

22 11 19 00-0087 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0082)
 Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0088	EA			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	710.88	33.60
				<i>For Cast Bronze Box, Add</i>	38.41	
				<i>For 1" NPT Outlet, Add</i>	90.52	

22 11 19 00-0089 Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0082)
 Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0090	EA			3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	373.91	24.81
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0091	EA			4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	471.16	24.81
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0092	EA			6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	471.16	24.81
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0093	EA			8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	471.16	24.81
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0094	EA			10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	493.79	50.01
				<i>For 1" NPT Outlet, Add</i>	90.52	
22 11 19 00-0095	EA			12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	493.79	50.01
				<i>For 1" NPT Outlet, Add</i>	90.52	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0096 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	561.48 90.52	50.01
22 11 19 00-0097 Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0098 Dryer Vent Kit (22 11 19 00-0097) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0099 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	63.66	10.40
22 11 19 00-0100 Washer Boxes And Dryer Vents (22 11 19 00-0097) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0101 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	200.35	16.00
22 11 19 00-0102 Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0103 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	109.16	16.00
22 11 19 00-0104 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	143.36	16.00
22 11 19 00-0105 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	162.19	16.00
22 11 19 00-0106 Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0107 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0108 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	395.89	19.37
22 11 19 00-0109 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	118.34	19.37
22 11 19 00-0110 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	222.26	19.37
22 11 19 00-0111 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	253.70	26.09
22 11 19 00-0112 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0113 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,084.43	27.94
22 11 19 00-0114 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,216.05	34.41
22 11 19 00-0115 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,462.44	40.03
22 11 19 00-0116 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,899.48	42.07
22 11 19 00-0117 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,550.86	54.58
22 11 19 00-0118 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0119 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,775.22	43.03
22 11 19 00-0120 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	3,614.37	50.03
22 11 19 00-0121 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	4,217.43	52.58
22 11 19 00-0122 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	4,668.51	68.22
22 11 19 00-0123 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0106) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0124 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	783.89	27.94
22 11 19 00-0125 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	922.35	34.41
22 11 19 00-0126 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,134.41	40.03
22 11 19 00-0127 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	1,389.53	42.08
22 11 19 00-0128 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	2,067.26	54.58
22 11 19 00-0129 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0106) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0130 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,033.44	40.01
22 11 19 00-0131 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,199.29	50.40
22 11 19 00-0132 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,513.06	60.80
22 11 19 00-0133 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,857.94	71.20
22 11 19 00-0134 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,606.81	93.61
22 11 19 00-0135 EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,467.54	106.82
22 11 19 00-0136 Thermostatic Mixing Valves (Holby) (22 11 19 00-0106)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0137	EA			2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	3,700.07	54.59
22 11 19 00-0138				Backflow Preventer Valves (22 11 19)		
22 11 19 00-0139				Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0138)		
22 11 19 00-0140				Threaded Double Check Valve Assemblies (22 11 19 00-0139)		
22 11 19 00-0141				Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0140)		
<p>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).</p>						
22 11 19 00-0142	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	316.59	21.44
				<i>For Work In Restricted Working Space, Add</i>	16.08	
				<i>For Owner Furnished Material, Deduct</i>	-262.99	
22 11 19 00-0143	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	372.89	30.40
				<i>For Work In Restricted Working Space, Add</i>	22.80	
				<i>For Owner Furnished Material, Deduct</i>	-296.89	
22 11 19 00-0144	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	429.65	37.12
				<i>For Work In Restricted Working Space, Add</i>	27.84	
				<i>For Owner Furnished Material, Deduct</i>	-336.84	
22 11 19 00-0145	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	602.89	43.21
				<i>For Work In Restricted Working Space, Add</i>	32.40	
				<i>For Owner Furnished Material, Deduct</i>	-494.88	
22 11 19 00-0146	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	747.22	49.60
				<i>For Work In Restricted Working Space, Add</i>	36.96	
				<i>For Owner Furnished Material, Deduct</i>	-624.01	
22 11 19 00-0147	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	859.60	64.00
				<i>For Work In Restricted Working Space, Add</i>	48.00	
				<i>For Owner Furnished Material, Deduct</i>	-699.59	
22 11 19 00-0148				Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0140)		
<p>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).</p>						
22 11 19 00-0149	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	391.84	21.44
				<i>For Work In Restricted Working Space, Add</i>	16.08	
				<i>For Owner Furnished Material, Deduct</i>	-338.24	
22 11 19 00-0150	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	483.10	30.40
				<i>For Work In Restricted Working Space, Add</i>	22.80	
				<i>For Owner Furnished Material, Deduct</i>	-407.10	
22 11 19 00-0151	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	564.78	37.12
				<i>For Work In Restricted Working Space, Add</i>	27.84	
				<i>For Owner Furnished Material, Deduct</i>	-471.97	
22 11 19 00-0152	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	795.42	43.21
				<i>For Work In Restricted Working Space, Add</i>	32.40	
				<i>For Owner Furnished Material, Deduct</i>	-687.41	
22 11 19 00-0153	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	973.98	49.60
				<i>For Work In Restricted Working Space, Add</i>	36.96	
				<i>For Owner Furnished Material, Deduct</i>	-850.77	
22 11 19 00-0154	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,172.67	64.00
				<i>For Work In Restricted Working Space, Add</i>	48.00	
				<i>For Owner Furnished Material, Deduct</i>	-1,012.66	
22 11 19 00-0155				Flanged Double Check Valve Assemblies (22 11 19 00-0139)		
22 11 19 00-0156				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0155)		
<p>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).</p>						
22 11 19 00-0157	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,177.98	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-3,942.07	
22 11 19 00-0158	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	4,590.51	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-4,328.80	
22 11 19 00-0159				Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0155)		
<p>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).</p>						
22 11 19 00-0160	EA			2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	4,578.66	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-4,342.75	
22 11 19 00-0161	EA			3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	5,258.32	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-4,996.61	
22 11 19 00-0162				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0155)		
<p>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).</p>						

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	4,206.86	176.93
			<i>For Work In Restricted Working Space, Add</i>	70.77	
			<i>For Owner Furnished Material, Deduct</i>	-3,970.97	
22 11 19 00-0164	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	3,205.41	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.52	
			<i>For Owner Furnished Material, Deduct</i>	-2,943.69	
22 11 19 00-0165	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,018.79	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.89	
			<i>For Owner Furnished Material, Deduct</i>	-4,625.82	
22 11 19 00-0166	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	7,654.55	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-6,836.06	
22 11 19 00-0167	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	17,484.41	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.38	
			<i>For Owner Furnished Material, Deduct</i>	-16,256.47	
22 11 19 00-0168	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	22,456.47	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-20,994.87	
22 11 19 00-0169			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0170	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	5,864.98	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-5,472.05	
22 11 19 00-0171	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,781.09	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-8,962.60	
22 11 19 00-0172	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	26,084.35	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-24,622.75	
22 11 19 00-0173			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0174	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	4,469.00	176.93
			<i>For Work In Restricted Working Space, Add</i>	70.77	
			<i>For Owner Furnished Material, Deduct</i>	-4,233.11	
22 11 19 00-0175	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	4,910.46	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Owner Furnished Material, Deduct</i>	-4,648.75	
22 11 19 00-0176	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	5,325.75	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-4,932.82	
22 11 19 00-0177	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,959.78	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-8,141.29	
22 11 19 00-0178	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	18,568.19	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.33	
			<i>For Owner Furnished Material, Deduct</i>	-17,340.44	
22 11 19 00-0179	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	23,855.11	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-22,393.51	
22 11 19 00-0180			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0181	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,658.04	176.93
			<i>For Work In Restricted Working Space, Add</i>	70.77	
			<i>For Owner Furnished Material, Deduct</i>	-2,422.15	
22 11 19 00-0182	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,926.22	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Owner Furnished Material, Deduct</i>	-2,664.51	
22 11 19 00-0183	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	3,299.79	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-2,906.86	
22 11 19 00-0184	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,363.78	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-4,545.29	
22 11 19 00-0185	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	10,214.17	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.33	
			<i>For Owner Furnished Material, Deduct</i>	-8,986.42	
22 11 19 00-0186	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	11,077.70	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-9,616.10	
22 11 19 00-0187			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0188	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,517.47	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-3,281.58	
	22 11 19 00-0189	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,785.65	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-3,523.94	
	22 11 19 00-0190	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	4,735.93	294.88
				<i>For Work In Restricted Working Space, Add</i>	117.88	
				<i>For Owner Furnished Material, Deduct</i>	-4,343.00	
	22 11 19 00-0191	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	7,767.94	453.09
				<i>For Work In Restricted Working Space, Add</i>	245.55	
				<i>For Owner Furnished Material, Deduct</i>	-6,949.45	
	22 11 19 00-0192	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	13,777.38	679.65
				<i>For Work In Restricted Working Space, Add</i>	368.33	
				<i>For Owner Furnished Material, Deduct</i>	-12,549.63	
	22 11 19 00-0193	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	16,394.91	803.87
				<i>For Work In Restricted Working Space, Add</i>	438.48	
				<i>For Owner Furnished Material, Deduct</i>	-14,933.31	
	22 11 19 00-0194			Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
	22 11 19 00-0195	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	2,487.10	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-2,251.21	
	22 11 19 00-0196	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	2,763.05	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-2,501.34	
	22 11 19 00-0197	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,144.30	294.88
				<i>For Work In Restricted Working Space, Add</i>	117.88	
				<i>For Owner Furnished Material, Deduct</i>	-2,751.37	
	22 11 19 00-0198	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	5,241.63	453.09
				<i>For Work In Restricted Working Space, Add</i>	245.55	
				<i>For Owner Furnished Material, Deduct</i>	-4,423.14	
	22 11 19 00-0199	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	10,096.45	679.65
				<i>For Work In Restricted Working Space, Add</i>	368.33	
				<i>For Owner Furnished Material, Deduct</i>	-8,868.70	
	22 11 19 00-0200	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	11,406.37	803.87
				<i>For Work In Restricted Working Space, Add</i>	438.48	
				<i>For Owner Furnished Material, Deduct</i>	-9,944.77	
	22 11 19 00-0201			N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
	22 11 19 00-0202	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,274.47	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-3,038.58	
	22 11 19 00-0203	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,542.65	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-3,280.94	
	22 11 19 00-0204	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	4,493.23	294.88
				<i>For Work In Restricted Working Space, Add</i>	117.88	
				<i>For Owner Furnished Material, Deduct</i>	-4,100.30	
	22 11 19 00-0205	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	7,509.44	453.09
				<i>For Work In Restricted Working Space, Add</i>	245.55	
				<i>For Owner Furnished Material, Deduct</i>	-6,690.95	
	22 11 19 00-0206	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	13,386.11	679.65
				<i>For Work In Restricted Working Space, Add</i>	368.33	
				<i>For Owner Furnished Material, Deduct</i>	-12,158.36	
	22 11 19 00-0207	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	16,002.50	803.87
				<i>For Work In Restricted Working Space, Add</i>	438.48	
				<i>For Owner Furnished Material, Deduct</i>	-14,540.90	
	22 11 19 00-0208			Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0155)</small>		
				Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
	22 11 19 00-0209	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,891.38	176.93
				<i>For Work In Restricted Working Space, Add</i>	70.77	
				<i>For Owner Furnished Material, Deduct</i>	-2,655.49	
	22 11 19 00-0210	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,159.55	199.05
				<i>For Work In Restricted Working Space, Add</i>	78.51	
				<i>For Owner Furnished Material, Deduct</i>	-2,897.84	
	22 11 19 00-0211	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,533.13	294.88
				<i>For Work In Restricted Working Space, Add</i>	117.88	
				<i>For Owner Furnished Material, Deduct</i>	-3,140.20	
	22 11 19 00-0212	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,602.99	453.09
				<i>For Work In Restricted Working Space, Add</i>	245.55	
				<i>For Owner Furnished Material, Deduct</i>	-4,784.50	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 19 00-0213	EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,453.38 368.33 -9,225.63	679.65
22 11 19 00-0214	N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0155) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0215	EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,750.81 70.77 -3,514.92	176.93
22 11 19 00-0216	EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,018.98 78.51 -3,757.27	199.05
22 11 19 00-0217	EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,969.27 117.88 -4,576.34	294.88
22 11 19 00-0218	EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,007.21 245.55 -7,188.72	453.09
22 11 19 00-0219	EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,453.38 368.33 -9,225.63	679.65
22 11 19 00-0220	Grooved Double Check Valve Assemblies (22 11 19 00-0139)		
22 11 19 00-0221	Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0220) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0222	EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,487.10 70.77 -2,251.21	94.36
22 11 19 00-0223	EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,763.05 78.51 -2,501.34	104.68
22 11 19 00-0224	N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0220) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0225	EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,274.47 70.77 -3,038.58	94.36
22 11 19 00-0226	EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,542.65 78.51 -3,280.94	104.68
22 11 19 00-0227	Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0138)		
22 11 19 00-0228	Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0227)		
22 11 19 00-0229	Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0230	EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	352.28 13.92 -305.88	18.56
22 11 19 00-0231	EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	371.94 15.36 -320.73	20.48
22 11 19 00-0232	EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	433.53 16.08 -379.93	21.44
22 11 19 00-0233	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	582.00 22.80 -506.00	30.40
22 11 19 00-0234	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	690.38 27.84 -597.57	37.12
22 11 19 00-0235	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,045.42 32.40 -937.41	43.21
22 11 19 00-0236	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,104.71 36.96 -981.50	49.60
22 11 19 00-0237	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,324.71 48.00 -1,164.70	64.00
22 11 19 00-0238	Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0239	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	389.30	18.56
			<i>For Work In Restricted Working Space, Add</i>	13.92	
			<i>For Owner Furnished Material, Deduct</i>	-342.90	
22 11 19 00-0240	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	410.96	20.48
			<i>For Work In Restricted Working Space, Add</i>	15.36	
			<i>For Owner Furnished Material, Deduct</i>	-359.75	
22 11 19 00-0241	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	487.01	30.40
			<i>For Work In Restricted Working Space, Add</i>	16.08	
			<i>For Owner Furnished Material, Deduct</i>	-433.41	
22 11 19 00-0242	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	666.04	30.40
			<i>For Work In Restricted Working Space, Add</i>	22.80	
			<i>For Owner Furnished Material, Deduct</i>	-590.04	
22 11 19 00-0243	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	795.47	37.12
			<i>For Work In Restricted Working Space, Add</i>	27.84	
			<i>For Owner Furnished Material, Deduct</i>	-702.66	
22 11 19 00-0244	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,188.73	43.21
			<i>For Work In Restricted Working Space, Add</i>	32.40	
			<i>For Owner Furnished Material, Deduct</i>	-1,080.72	
22 11 19 00-0245	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,306.96	49.60
			<i>For Work In Restricted Working Space, Add</i>	36.96	
			<i>For Owner Furnished Material, Deduct</i>	-1,183.75	
22 11 19 00-0246	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,572.85	64.00
			<i>For Work In Restricted Working Space, Add</i>	48.00	
			<i>For Owner Furnished Material, Deduct</i>	-1,412.84	
22 11 19 00-0247			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0248	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	582.00	30.40
			<i>For Work In Restricted Working Space, Add</i>	22.80	
			<i>For Owner Furnished Material, Deduct</i>	-506.00	
22 11 19 00-0249	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	690.38	37.12
			<i>For Work In Restricted Working Space, Add</i>	27.84	
			<i>For Owner Furnished Material, Deduct</i>	-597.57	
22 11 19 00-0250	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,045.42	43.21
			<i>For Work In Restricted Working Space, Add</i>	32.40	
			<i>For Owner Furnished Material, Deduct</i>	-937.41	
22 11 19 00-0251	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,104.71	49.60
			<i>For Work In Restricted Working Space, Add</i>	36.96	
			<i>For Owner Furnished Material, Deduct</i>	-981.50	
22 11 19 00-0252	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,324.71	64.00
			<i>For Work In Restricted Working Space, Add</i>	48.00	
			<i>For Owner Furnished Material, Deduct</i>	-1,164.70	
22 11 19 00-0253			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0254	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	666.04	30.40
			<i>For Work In Restricted Working Space, Add</i>	22.80	
			<i>For Owner Furnished Material, Deduct</i>	-590.04	
22 11 19 00-0255	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	795.47	37.12
			<i>For Work In Restricted Working Space, Add</i>	27.84	
			<i>For Owner Furnished Material, Deduct</i>	-702.66	
22 11 19 00-0256	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,188.73	43.21
			<i>For Work In Restricted Working Space, Add</i>	32.40	
			<i>For Owner Furnished Material, Deduct</i>	-1,080.72	
22 11 19 00-0257	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,306.96	49.60
			<i>For Work In Restricted Working Space, Add</i>	36.96	
			<i>For Owner Furnished Material, Deduct</i>	-1,183.75	
22 11 19 00-0258	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,572.85	64.00
			<i>For Work In Restricted Working Space, Add</i>	48.00	
			<i>For Owner Furnished Material, Deduct</i>	-1,412.84	
22 11 19 00-0259			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0260	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,206.23	30.40
			<i>For Work In Restricted Working Space, Add</i>	22.80	
			<i>For Owner Furnished Material, Deduct</i>	-1,130.23	
22 11 19 00-0261	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,427.59	37.12
			<i>For Work In Restricted Working Space, Add</i>	27.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,334.78	

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22 11 19 00-0262	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,199.13 32.40 -2,091.12	43.21
22 11 19 00-0263	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,377.02 36.96 -2,253.81	49.60
22 11 19 00-0264	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,756.31 48.00 -2,596.30	64.00
22 11 19 00-0265			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0266	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,626.36 22.80 -1,550.36	30.40
22 11 19 00-0267	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,933.15 27.84 -1,840.34	37.12
22 11 19 00-0268	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,949.58 32.40 -2,841.57	43.21
22 11 19 00-0269	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,221.65 36.96 -3,098.44	49.60
22 11 19 00-0270	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,825.85 48.00 -3,665.84	64.00
22 11 19 00-0271			Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0272			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0273	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,842.08 70.77 -3,606.17	176.93
22 11 19 00-0274	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,329.37 78.51 -4,067.66	199.05
22 11 19 00-0275			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0276	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,581.65 70.77 -4,345.74	176.93
22 11 19 00-0277	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,188.55 78.51 -4,926.84	199.05
22 11 19 00-0278			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0279	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,125.15 70.77 -3,889.24	176.93
22 11 19 00-0280	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,799.82 78.51 -4,538.11	199.05
22 11 19 00-0281			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0282	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,581.65 70.77 -4,345.74	176.93
22 11 19 00-0283	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,188.55 78.51 -4,926.84	199.05

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0284	Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).			
22 11 19 00-0285	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	5,086.99	176.93	
	<i>For Work In Restricted Working Space, Add</i>	70.77		
	<i>For Owner Furnished Material, Deduct</i>	-4,851.08		
22 11 19 00-0286	EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	5,887.25	199.05	
	<i>For Work In Restricted Working Space, Add</i>	78.51		
	<i>For Owner Furnished Material, Deduct</i>	-5,625.54		
22 11 19 00-0287	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).			
22 11 19 00-0288	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,604.00	176.93	
	<i>For Work In Restricted Working Space, Add</i>	70.77		
	<i>For Owner Furnished Material, Deduct</i>	-6,368.11		
22 11 19 00-0289	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	7,502.96	199.05	
	<i>For Work In Restricted Working Space, Add</i>	78.52		
	<i>For Owner Furnished Material, Deduct</i>	-7,241.24		
22 11 19 00-0290	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,445.27	294.88	
	<i>For Work In Restricted Working Space, Add</i>	117.89		
	<i>For Owner Furnished Material, Deduct</i>	-9,052.30		
22 11 19 00-0291	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,298.67	453.09	
	<i>For Work In Restricted Working Space, Add</i>	343.79		
	<i>For Owner Furnished Material, Deduct</i>	-13,152.70		
22 11 19 00-0292	EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	23,715.04	679.65	
	<i>For Work In Restricted Working Space, Add</i>	515.69		
	<i>For Owner Furnished Material, Deduct</i>	-21,996.09		
22 11 19 00-0293	EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	30,594.92	803.87	
	<i>For Work In Restricted Working Space, Add</i>	438.48		
	<i>For Owner Furnished Material, Deduct</i>	-29,133.32		
22 11 19 00-0294	Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).			
22 11 19 00-0295	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	7,117.31	176.93	
	<i>For Work In Restricted Working Space, Add</i>	70.77		
	<i>For Owner Furnished Material, Deduct</i>	-6,881.42		
22 11 19 00-0296	EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	8,043.18	199.05	
	<i>For Work In Restricted Working Space, Add</i>	78.51		
	<i>For Owner Furnished Material, Deduct</i>	-7,781.47		
22 11 19 00-0297	EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,273.51	294.88	
	<i>For Work In Restricted Working Space, Add</i>	117.88		
	<i>For Owner Furnished Material, Deduct</i>	-9,880.58		
22 11 19 00-0298	EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,530.22	453.09	
	<i>For Work In Restricted Working Space, Add</i>	245.55		
	<i>For Owner Furnished Material, Deduct</i>	-14,711.73		
22 11 19 00-0299	EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	25,148.62	679.65	
	<i>For Work In Restricted Working Space, Add</i>	368.33		
	<i>For Owner Furnished Material, Deduct</i>	-23,920.87		
22 11 19 00-0300	EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	34,128.81	803.87	
	<i>For Work In Restricted Working Space, Add</i>	438.48		
	<i>For Owner Furnished Material, Deduct</i>	-32,667.21		
22 11 19 00-0301	Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).			
22 11 19 00-0302	EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,026.61	176.93	
	<i>For Work In Restricted Working Space, Add</i>	70.77		
	<i>For Owner Furnished Material, Deduct</i>	-6,790.72		
22 11 19 00-0303	EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,987.37	199.05	
	<i>For Work In Restricted Working Space, Add</i>	78.52		
	<i>For Owner Furnished Material, Deduct</i>	-7,725.65		
22 11 19 00-0304	EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,047.30	294.88	
	<i>For Work In Restricted Working Space, Add</i>	117.89		
	<i>For Owner Furnished Material, Deduct</i>	-9,654.33		
22 11 19 00-0305	EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	14,848.79	453.09	
	<i>For Work In Restricted Working Space, Add</i>	245.55		
	<i>For Owner Furnished Material, Deduct</i>	-14,030.30		
22 11 19 00-0306	EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	24,690.92	679.65	
	<i>For Work In Restricted Working Space, Add</i>	368.33		
	<i>For Owner Furnished Material, Deduct</i>	-23,463.17		

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22 11 19 00-0307	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	32,536.05	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-31,074.45	
22 11 19 00-0308			Double Check Detector Assemblies (22 11 19 00-0138)		
22 11 19 00-0309			Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0308)		
22 11 19 00-0310			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0311	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,268.33	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Owner Furnished Material, Deduct</i>	-5,006.62	
22 11 19 00-0312	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,515.72	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-5,122.79	
22 11 19 00-0313	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,470.62	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-6,652.13	
22 11 19 00-0314	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	13,251.85	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.33	
			<i>For Owner Furnished Material, Deduct</i>	-12,024.10	
22 11 19 00-0315	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	17,894.49	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-16,432.89	
22 11 19 00-0316			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0317	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,944.99	176.93
			<i>For Work In Restricted Working Space, Add</i>	70.77	
			<i>For Owner Furnished Material, Deduct</i>	-3,709.08	
22 11 19 00-0318	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,212.90	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Owner Furnished Material, Deduct</i>	-3,951.19	
22 11 19 00-0319	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,592.20	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-4,199.27	
22 11 19 00-0320	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,271.20	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-5,452.71	
22 11 19 00-0321	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	11,084.01	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.33	
			<i>For Owner Furnished Material, Deduct</i>	-9,856.26	
22 11 19 00-0322	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	13,070.96	803.87
			<i>For Work In Restricted Working Space, Add</i>	438.48	
			<i>For Owner Furnished Material, Deduct</i>	-11,609.36	
22 11 19 00-0323			Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0324	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,178.38	176.93
			<i>For Work In Restricted Working Space, Add</i>	70.77	
			<i>For Owner Furnished Material, Deduct</i>	-3,942.47	
22 11 19 00-0325	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,446.28	199.05
			<i>For Work In Restricted Working Space, Add</i>	78.51	
			<i>For Owner Furnished Material, Deduct</i>	-4,184.57	
22 11 19 00-0326	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,825.54	294.88
			<i>For Work In Restricted Working Space, Add</i>	117.88	
			<i>For Owner Furnished Material, Deduct</i>	-4,432.61	
22 11 19 00-0327	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,510.42	453.09
			<i>For Work In Restricted Working Space, Add</i>	245.55	
			<i>For Owner Furnished Material, Deduct</i>	-5,691.93	
22 11 19 00-0328	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	10,797.01	679.65
			<i>For Work In Restricted Working Space, Add</i>	368.33	
			<i>For Owner Furnished Material, Deduct</i>	-9,569.26	
22 11 19 00-0329			Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0308)		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0330	Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0329)</small>		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0331	EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,871.30	176.93
	<i>For Work In Restricted Working Space, Add</i>	70.77	
22 11 19 00-0332	EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,139.24	199.05
	<i>For Work In Restricted Working Space, Add</i>	78.51	
22 11 19 00-0333	EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,518.55	294.88
	<i>For Work In Restricted Working Space, Add</i>	117.88	
22 11 19 00-0334	EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,197.54	453.09
	<i>For Work In Restricted Working Space, Add</i>	245.55	
22 11 19 00-0335	EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	11,010.41	679.65
	<i>For Work In Restricted Working Space, Add</i>	368.33	
22 11 19 00-0336	EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	12,997.25	803.87
	<i>For Work In Restricted Working Space, Add</i>	438.48	

22 11 19 00-0337	Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0329)</small>		
	Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0338	EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,104.67	176.93
	<i>For Work In Restricted Working Space, Add</i>	70.77	
22 11 19 00-0339	EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,372.57	199.05
	<i>For Work In Restricted Working Space, Add</i>	78.51	
22 11 19 00-0340	EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,751.88	294.88
	<i>For Work In Restricted Working Space, Add</i>	117.88	
22 11 19 00-0341	EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,436.71	453.09
	<i>For Work In Restricted Working Space, Add</i>	245.55	
22 11 19 00-0342	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	11,249.62	679.65
	<i>For Work In Restricted Working Space, Add</i>	368.33	

22 11 19 00-0343	Backflow Preventer Accessories <small>(22 11 19 00-0138)</small>		
22 11 19 00-0344	Air Gap <small>(22 11 19 00-0343)</small>		
22 11 19 00-0345	EA Up To 1" Diameter Air Gap For Backflow Preventer	89.98	10.00
22 11 19 00-0346	EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	110.77	12.00
22 11 19 00-0347	EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	208.62	16.00
22 11 19 00-0348	EA 4" To 6" Diameter Air Gap For Backflow Preventer	412.99	28.00
22 11 19 00-0349	EA 8" To 10" Diameter Air Gap For Backflow Preventer	436.99	40.01

22 11 19 00-0350	Brass Test Cocks <small>(22 11 19 00-0343)</small>		
22 11 19 00-0351	EA 1/8" Or 1/4" Brass Test Cock	36.64	4.00

22 11 19 00-0352	Backflow Valve Enclosures <small>(22 11 19 00-0138)</small>		
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22 11 19 00-0353	Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0352)</small>		
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0354	EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	771.80	72.00
	<i>For Heated Enclosure, Add</i>	97.77	
22 11 19 00-0355	EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	954.18	72.00
	<i>For Heated Enclosure, Add</i>	125.13	
22 11 19 00-0356	EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,217.52	66.35
	<i>For Heated Enclosure, Add</i>	166.04	
22 11 19 00-0357	EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,259.13	88.47
	<i>For Heated Enclosure, Add</i>	166.75	
22 11 19 00-0358	EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,320.98	88.47
	<i>For Heated Enclosure, Add</i>	176.03	
22 11 19 00-0359	EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,562.04	88.47
	<i>For Heated Enclosure, Add</i>	212.19	
22 11 19 00-0360	EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,568.38	88.47
	<i>For Heated Enclosure, Add</i>	213.14	
22 11 19 00-0361	EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,979.12	88.47
	<i>For Heated Enclosure, Add</i>	274.75	
22 11 19 00-0362	EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,580.72	132.69
	<i>For Heated Enclosure, Add</i>	653.93	
22 11 19 00-0363	EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,653.45	132.69
	<i>For Heated Enclosure, Add</i>	964.84	
22 11 19 00-0364	EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,320.42	132.69
	<i>For Heated Enclosure, Add</i>	914.89	
22 11 19 00-0365	EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,611.70	154.81
	<i>For Heated Enclosure, Add</i>	1,103.05	

22 11 19 00-0366	One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0352)</small>		
	Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR
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TOTAL DIRECT DEMOLITION
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22 11 19 00-0367	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	428.48	19.20
		<i>For Heated Enclosure, Add</i>	79.29	
22 11 19 00-0368	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	596.58	19.20
		<i>For Heated Enclosure, Add</i>	112.91	
22 11 19 00-0369	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	749.47	17.70
		<i>For Heated Enclosure, Add</i>	144.00	
22 11 19 00-0370	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,133.26	17.70
		<i>For Heated Enclosure, Add</i>	220.75	
22 11 19 00-0371	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,935.23	33.17
		<i>For Heated Enclosure, Add</i>	575.99	
22 11 19 00-0372	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,008.86	33.17
		<i>For Heated Enclosure, Add</i>	790.71	
22 11 19 00-0373	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,668.80	33.17
		<i>For Heated Enclosure, Add</i>	522.70	
22 11 19 00-0374	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,020.87	33.17
		<i>For Heated Enclosure, Add</i>	593.12	
22 11 19 00-0375	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,728.85	33.17
		<i>For Heated Enclosure, Add</i>	934.71	

22 11 19 00-0376 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0352)

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0377	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,968.18	144.01
		<i>For Heated Enclosure, Add</i>	859.22	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0378	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,581.91	144.01
		<i>For Heated Enclosure, Add</i>	951.28	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0379	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,655.25	132.69
		<i>For Heated Enclosure, Add</i>	665.11	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0380	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	5,108.81	132.69
		<i>For Heated Enclosure, Add</i>	733.15	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0381	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	5,938.99	176.93
		<i>For Heated Enclosure, Add</i>	846.62	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0382	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,665.32	176.93
		<i>For Heated Enclosure, Add</i>	955.57	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0383	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,665.32	176.93
		<i>For Heated Enclosure, Add</i>	955.57	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0384	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	7,369.45	176.93
		<i>For Heated Enclosure, Add</i>	1,061.19	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0385	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,527.87	154.81
		<i>For Heated Enclosure, Add</i>	790.48	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0386	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	6,473.43	176.93
		<i>For Heated Enclosure, Add</i>	926.78	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0387	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	7,572.44	176.93
		<i>For Heated Enclosure, Add</i>	1,091.63	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0388	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	8,314.02	187.99
		<i>For Heated Enclosure, Add</i>	1,200.11	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0389	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	8,523.11	204.01
		<i>For Heated Enclosure, Add</i>	1,227.46	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0390	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	9,450.23	216.01
		<i>For Heated Enclosure, Add</i>	1,363.53	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0391	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	9,785.11	199.05
		<i>For Heated Enclosure, Add</i>	1,418.01	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0392	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	7,096.68	176.93
		<i>For Heated Enclosure, Add</i>	1,020.27	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	
22 11 19 00-0393	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,567.68	176.93
		<i>For Heated Enclosure, Add</i>	1,090.92	
		<i>For One 24" Fluorescent Light Fixture, Add</i>	570.25	
		<i>For Two 24" Fluorescent Light Fixture, Add</i>	1,020.45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0394 EA 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,566.18 1,237.93 570.25 1,020.45	187.99
22 11 19 00-0395 EA 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,389.33 1,508.64 570.25 1,020.45	199.05
22 11 19 00-0396 EA 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,058.78 1,309.06 570.25 1,020.45	88.47
22 11 19 00-0397 EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,893.03 1,581.43 570.25 1,020.45	88.47
22 11 19 00-0398 EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,529.87 1,526.96 570.25 1,020.45	132.69
22 11 19 00-0399 EA 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,220.79 1,775.06 570.25 1,020.45	132.69
22 11 19 00-0400 EA 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,274.63 1,635.90 570.25 1,020.45	132.69
22 11 19 00-0401 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,181.23 1,916.37 570.25 1,020.45	154.81
22 11 19 00-0402 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,218.09 1,916.37 570.25 1,020.45	132.69
22 11 19 00-0403 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,689.26 2,281.51 570.25 1,020.45	132.69
22 11 19 00-0404 Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0405 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0404)</small>		
22 11 19 00-0406 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	44.80	8.00
22 11 19 00-0407 EA 3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	51.54	8.80
22 11 19 00-0408 EA 3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	19.59	6.00
22 11 19 00-0409 Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0404)</small>		
22 11 19 00-0410 EA 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	193.82	24.48
22 11 19 00-0411 Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0404)</small>		
22 11 19 00-0412 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet	131.30	20.00
22 11 19 00-0413 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet	140.86	22.16
22 11 19 00-0414 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet	148.40	23.44
22 11 19 00-0415 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet	155.94	25.12
22 11 19 00-0416 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet	163.56	26.64
22 11 19 00-0417 Escutcheons <small>(22 11 19)</small>		
22 11 19 00-0418 Chrome Plated Steel Escutcheons <small>(22 11 19 00-0417)</small>		
22 11 19 00-0419 Split-Ring Chrome Plated Steel Escutcheons <small>(22 11 19 00-0418)</small>		
22 11 19 00-0420 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	4.74	1.98
22 11 19 00-0421 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.13	2.22
22 11 19 00-0422 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.67	2.38
22 11 19 00-0423 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.06	2.62
22 11 19 00-0424 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.46	2.78
22 11 19 00-0425 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.48	3.17
22 11 19 00-0426 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.02	3.41
22 11 19 00-0427 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.84	3.56
22 11 19 00-0428 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.81	3.80
22 11 19 00-0429 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.00	3.97
22 11 19 00-0430 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.27	4.36
22 11 19 00-0431 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.04	4.76
22 11 19 00-0432 Cast Brass Escutcheons <small>(22 11 19 00-0417)</small> Note: With Brass Setscrew.		
22 11 19 00-0433 EA 3/8" IPS Cast Brass Escutcheon	21.22	2.00
22 11 19 00-0434 EA 1/2" IPS Cast Brass Escutcheon	21.47	2.00
22 11 19 00-0435 EA 5/8" IPS Cast Brass Escutcheon	21.84	2.00
22 11 19 00-0436 EA 3/4" IPS Cast Brass Escutcheon	23.19	2.00
22 11 19 00-0437 EA 7/8" IPS Cast Brass Escutcheon	23.45	2.40

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 19 00-0438	EA	1" IPS Cast Brass Escutcheon.....	24.76		2.40
22 11 19 00-0439	EA	1-1/4" IPS Cast Brass Escutcheon	25.53		2.64
22 11 19 00-0440	EA	1-1/2" IPS Cast Brass Escutcheon	26.60		2.80
22 11 19 00-0441	EA	2" IPS Cast Brass Escutcheon.....	39.12		3.20
22 11 19 00-0442 Keyed, Recessed Valve Boxes (22 11 19)					
22 11 19 00-0443	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	204.99		23.78
22 11 19 00-0444	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	227.48		23.78
22 11 19 00-0445	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	261.21		23.78
22 11 19 00-0446	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	254.57		31.71
22 11 19 00-0447	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	288.31		31.71
22 11 19 00-0448	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	298.43		31.71
22 11 19 00-0449	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	240.97		23.78
22 11 19 00-0450	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	290.45		23.78
22 11 19 00-0451	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	334.31		23.78
22 11 19 00-0452	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	317.55		31.71
22 11 19 00-0453	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	361.40		31.71
22 11 19 00-0454	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	378.27		31.71
22 11 23 Domestic Water Pumps (22 11)					
22 11 23 13 Domestic-Water Packaged Booster Pumps (22 11 23)					
Note: Includes pump, motor, starter and controls.					
22 11 23 13-0001 Simplex Domestic Booster System (22 11 23 13)					
22 11 23 13-0002	EA	1 HP Simplex Booster Pump With Tank	7,887.25		235.91
22 11 23 13-0003	EA	1.5 HP Simplex Booster Pump With Tank	8,201.39		317.00
22 11 23 13-0004	EA	2 HP Simplex Booster Pump With Tank	8,571.25		398.09
22 11 23 13-0005	EA	3 HP Simplex Booster Pump With Tank	8,913.23		479.18
22 11 23 13-0006	EA	5 HP Simplex Booster Pump With Tank	9,868.00		560.27
22 11 23 13-0007	EA	7.5 HP Simplex Booster Pump With Tank	10,962.03		641.37
22 11 23 13-0008	EA	10 HP Simplex Booster Pump With Tank	11,721.82		722.46
22 11 23 13-0009 Duplex Domestic Booster System (22 11 23 13)					
22 11 23 13-0010	EA	100 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	21,256.08		959.56
22 11 23 13-0011	EA	200 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	25,596.50		1,019.53
22 11 23 13-0012	EA	300 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	29,954.67		1,079.51
22 11 23 13-0013 Triplex Domestic Booster System (22 11 23 13)					
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	27,970.97		1,019.53
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	34,817.46		1,079.51
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	43,269.89		1,199.46
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	54,809.49		1,319.40
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	66,349.08		1,439.34
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	77,292.85		1,619.26
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	88,236.60		1,799.18
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	99,180.37		1,979.10
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	110,274.06		2,218.99
22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)					
22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)					
Note: ODP motor.					
22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	652.49		132.69
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	668.69		132.69
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	698.72		135.27
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	767.40		140.81
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,341.97		146.08
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,428.43		146.08
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	2,116.70		160.84
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,210.14		176.70
22 11 23 23-0010	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,669.65		194.41
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,733.40		213.96
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,989.55		234.98
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,259.49		258.59
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,898.33		271.13
22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)					
Note: ODP motor.					
22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	677.85		132.69
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,105.69		132.69
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,111.02		135.27
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,130.43		138.22
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,135.58		140.81
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,157.88		146.08
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,409.75		160.84
22 11 23 23-0023	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,814.80		194.41
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,914.79		213.96
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,230.25		234.98
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,991.59		258.59

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,487.95	271.13
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,144.20	284.79
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,382.16	313.04
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,715.78	332.00
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,686.63	368.89
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,987.25	442.74
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	6,346.67	516.67

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	1,981.16	294.88
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,452.92	368.60
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,649.09	405.46
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,144.07	442.32
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	10,395.12	479.18
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,911.46	516.04
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	15,444.80	552.90
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	14,197.36	589.76
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	15,429.54	626.62
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	18,420.92	663.48

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,676.57	294.88
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	3,310.81	368.60
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,164.67	405.46
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	5,174.05	442.32
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,364.72	442.32
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	6,841.00	479.18
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	7,404.94	516.04
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	7,037.27	516.04
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,401.27	516.04
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	8,826.78	552.90
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,579.84	589.76
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,147.89	626.62
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	21,144.21	663.48

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	499.74	165.87
		<i>For Saddle Assembly, Add</i>	559.30	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	585.47	193.52
		<i>For Saddle Assembly, Add</i>	559.30	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	695.65	221.16
		<i>For Saddle Assembly, Add</i>	642.39	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	849.81	248.80
		<i>For Saddle Assembly, Add</i>	966.60	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,021.90	276.45
		<i>For Two Tie Down Bands, Add</i>	319.62	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,333.71	388.23
		<i>For Two Tie Down Bands, Add</i>	342.43	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,002.05	452.94
		<i>For Three Tie Down Bands, Add</i>	586.96	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,897.74	517.64
		<i>For Three Tie Down Bands, Add</i>	591.85	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,621.05	582.34
		<i>For Four Tie Down Bands, Add</i>	802.17	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,244.08	647.05
		<i>For Four Tie Down Bands, Add</i>	1,134.53	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,081.01	711.75
		<i>For Four Tie Down Bands, Add</i>	1,499.47	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,047.05	776.47
		<i>For Four Tie Down Bands, Add</i>	1,623.29	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,127.74	1,035.28
		<i>For Four Tie Down Bands, Add</i>	1,838.35	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	13,122.08	1,035.28
		<i>For Five Tie Down Bands, Add</i>	2,892.59	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 Plumbing

22 10 Plumbing Piping

22 12 Facility Potable-Water Storage Tanks

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	540.87	221.16
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	655.43	234.99
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	721.10	248.80
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	876.90	276.45
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	997.86	331.74
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,179.11	387.03
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,674.21	517.64
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,169.35	647.05
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,921.89	776.47
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,827.57	905.87
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,650.52	1,035.28
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,665.70	1,164.69
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,691.95	1,294.11
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,578.10	1,423.51
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,040.97	1,552.92
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,476.16	1,682.33
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	15,459.10	1,811.75
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,606.43	2,070.56

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	797.11	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,093.75	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	719.04	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	472.97	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	558.07	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	702.44	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA		Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	755.26	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	455.04	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	719.04	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	734.59	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	697.71	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	797.11	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,252.67	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016	EA		Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	773.71	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,050.41	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,465.75	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	905.84	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021	EA		Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	573.40	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	756.78	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	804.07	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0024	EA			Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 539.16 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025	EA			Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 913.19 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026	EA			Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 778.35 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027	EA			Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 759.94 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028	EA			Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,050.41 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		
22 13 13 00-0029				Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA			Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 524.87 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0031	EA			Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 732.87 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0032	EA			Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 453.28 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.		
22 13 13 00-0033	EA			Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 287.07 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0034	EA			Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 378.40 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0035	EA			Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 402.02 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0036	EA			Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 288.01 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0037	EA			Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 456.23 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038	EA			Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 389.17 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039	EA			Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 380.32 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040	EA			Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... 519.69 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0041				Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet 358.80 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet..... 361.39 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0044	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet 346.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal 202.68 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory..... 236.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink..... 330.94 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub..... 328.36 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler..... 202.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050	EA			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink 346.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0051	EA			Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 373.15 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0052	EA			Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 340.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0053	EA			Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 358.71 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0054	EA			Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 550.61 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0055	EA			Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 344.48 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0056			Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....424.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	424.00	
22 13 13 00-0058	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 470.18 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	470.18	
22 13 13 00-0059	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....369.88 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	369.88	
22 13 13 00-0060	EA		Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....218.02 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	218.02	
22 13 13 00-0061	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....333.84 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	333.84	
22 13 13 00-0062	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....346.46 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	346.46	
22 13 13 00-0063	EA		Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....215.47 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	215.47	
22 13 13 00-0064	EA		Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 376.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	376.43	
22 13 13 00-0065	EA		Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....379.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	379.83	
22 13 13 00-0066	EA		Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....363.37 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	363.37	
22 13 13 00-0067	EA		Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....424.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	424.00	
22 13 13 00-0068			Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA		Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....211.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	211.70	
22 13 13 00-0070	EA		Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....234.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	234.73	
22 13 13 00-0071	EA		Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 185.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	185.16	
22 13 13 00-0072	EA		Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 109.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	109.04	
22 13 13 00-0073	EA		Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....166.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	166.90	
22 13 13 00-0074	EA		Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....173.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	173.04	
22 13 13 00-0075	EA		Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... 107.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	107.73	
22 13 13 00-0076	EA		Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....188.15 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	188.15	
22 13 13 00-0077	EA		Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....189.94 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	189.94	
22 13 13 00-0078	EA		Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....182.01 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	182.01	
22 13 13 00-0079	EA		Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....206.81 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	206.81	
22 13 16			Sanitary Waste and Vent Piping ^(22 13)		
22 13 16 00-0001			Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002			Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF		2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....25.92 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	25.92	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.41	
22 13 16 00-0004	LF		3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....37.20 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	37.20	7.00
			<i>For Work In Restricted Working Space, Add</i>	4.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0005	LF		4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	48.30	8.92
			<i>For Work In Restricted Working Space, Add</i>	5.94	
22 13 16 00-0006	LF		5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	58.11	11.40
			<i>For Work In Restricted Working Space, Add</i>	6.41	
22 13 16 00-0007	LF		6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	68.47	12.42
			<i>For Work In Restricted Working Space, Add</i>	7.13	
22 13 16 00-0008	LF		8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	109.25	17.62
			<i>For Work In Restricted Working Space, Add</i>	9.98	
22 13 16 00-0009	LF		10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	162.30	17.62
			<i>For Work In Restricted Working Space, Add</i>	11.30	
22 13 16 00-0010			Aboveground No Hub Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	23.17	4.43
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.50	4.72
			<i>For Work In Restricted Working Space, Add</i>	4.17	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.47	6.85
			<i>For Work In Restricted Working Space, Add</i>	5.12	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	37.35	8.92
			<i>For Work In Restricted Working Space, Add</i>	6.12	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.87	11.18
			<i>For Work In Restricted Working Space, Add</i>	7.59	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	57.53	12.20
			<i>For Work In Restricted Working Space, Add</i>	8.27	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	90.74	17.48
			<i>For Work In Restricted Working Space, Add</i>	11.37	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	128.27	19.86
			<i>For Work In Restricted Working Space, Add</i>	13.22	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.67 4.89 0.35 2.11	4.65
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.23 7.01 0.53 3.16	7.00
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.12 9.12 0.67 4.02	8.92
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.71 12.87 0.85 5.12	11.40
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.93 15.68 0.93 5.58	12.42
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.49 24.38 1.32 7.93	17.62

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe	126.39	19.86
			For Extra Heavy Pipe, Add	40.59	
			For Above Ground Cast Iron Pipe Installation, Add	1.49	
			For Work In Restricted Working Space, Add	8.92	
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe	180.06	26.47
			For Extra Heavy Pipe, Add	58.97	
			For Above Ground Cast Iron Pipe Installation, Add	1.98	
			For Work In Restricted Working Space, Add	11.90	
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe	252.80	31.75
			For Extra Heavy Pipe, Add	86.18	
			For Above Ground Cast Iron Pipe Installation, Add	2.38	
			For Work In Restricted Working Space, Add	14.28	
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep	85.78	21.15
			For Extra Heavy Fittings, Add	18.92	
			For Above Ground Cast Iron Pipe Installation, Add	1.59	
			For Work In Restricted Working Space, Add	9.51	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep	149.56	26.61
			For Extra Heavy Fittings, Add	38.40	
			For Above Ground Cast Iron Pipe Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.96	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep	199.26	35.38
			For Extra Heavy Fittings, Add	51.18	
			For Above Ground Cast Iron Pipe Installation, Add	2.65	
			For Work In Restricted Working Space, Add	15.91	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep	318.50	48.23
			For Extra Heavy Fittings, Add	86.17	
			For Above Ground Cast Iron Pipe Installation, Add	3.61	
			For Work In Restricted Working Space, Add	21.69	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep	642.08	62.02
			For Extra Heavy Fittings, Add	192.20	
			For Above Ground Cast Iron Pipe Installation, Add	4.65	
			For Work In Restricted Working Space, Add	27.89	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep	881.39	76.29
			For Extra Heavy Fittings, Add	268.45	
			For Above Ground Cast Iron Pipe Installation, Add	5.72	
			For Work In Restricted Working Space, Add	34.32	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep	1,355.47	106.49
			For Extra Heavy Fittings, Add	418.53	
			For Above Ground Cast Iron Pipe Installation, Add	7.98	
			For Work In Restricted Working Space, Add	47.90	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep	2,535.11	148.28
			For Extra Heavy Fittings, Add	809.48	
			For Above Ground Cast Iron Pipe Installation, Add	11.12	
			For Work In Restricted Working Space, Add	66.69	
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep	71.51	21.15
			For Extra Heavy Fittings, Add	13.93	
			For Above Ground Cast Iron Pipe Installation, Add	1.59	
			For Work In Restricted Working Space, Add	9.51	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep	125.60	26.61
			For Extra Heavy Fittings, Add	30.01	
			For Above Ground Cast Iron Pipe Installation, Add	1.99	
			For Work In Restricted Working Space, Add	11.96	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep	172.32	35.38
			For Extra Heavy Fittings, Add	41.75	
			For Above Ground Cast Iron Pipe Installation, Add	2.65	
			For Work In Restricted Working Space, Add	15.91	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep	267.71	41.00
			For Extra Heavy Fittings, Add	72.19	
			For Above Ground Cast Iron Pipe Installation, Add	3.07	
			For Work In Restricted Working Space, Add	18.43	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep	323.63	48.23
			For Extra Heavy Fittings, Add	87.97	
			For Above Ground Cast Iron Pipe Installation, Add	3.61	
			For Work In Restricted Working Space, Add	21.69	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep	538.83	62.02
			For Extra Heavy Fittings, Add	156.06	
			For Above Ground Cast Iron Pipe Installation, Add	4.65	
			For Work In Restricted Working Space, Add	27.89	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep	793.29	76.29
			For Extra Heavy Fittings, Add	237.61	
			For Above Ground Cast Iron Pipe Installation, Add	5.72	
			For Work In Restricted Working Space, Add	34.32	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep	1,322.61	106.49
			For Extra Heavy Fittings, Add	407.03	
			For Above Ground Cast Iron Pipe Installation, Add	7.98	
			For Work In Restricted Working Space, Add	47.90	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.42 11.12 1.58 9.49	21.08
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.13 22.23 1.78 10.69	23.74
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.74 33.37 2.37 14.22	31.62
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.89 44.81 2.74 16.46	36.61
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.04 53.99 3.29 19.74	43.84
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	468.36 133.97 4.28 25.68	57.11
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	696.11 207.27 5.20 31.17	69.30
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	921.19 279.48 6.13 36.80	81.80
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,382.91 766.33 9.67 58.02	129.02
 22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.08 8.88 1.59 9.51	21.15
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.21 18.33 1.99 11.96	26.61
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.48 27.81 2.65 15.91	35.38
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.85 35.06 3.43 20.60	45.82
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.92 41.75 3.83 22.99	51.09
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.05 104.47 5.13 30.77	68.41
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	564.98 153.44 6.33 37.97	84.41
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	922.65 265.50 8.20 49.22	109.46
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,797.25 561.34 9.67 58.02	129.02
 22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.29 8.54 3.54 21.26	47.25
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.32 16.00 3.88 23.28	51.75
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.51 21.30 5.08 30.50	67.82

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0073	EA 5" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.64 35.49 5.91 35.48	78.86
22 13 16 00-0074	EA 6" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.53 48.08 7.01 42.05	93.46
22 13 16 00-0075	EA 8" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	524.19 117.90 9.37 56.20	124.93
22 13 16 00-0076	EA 10" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	747.14 187.14 10.62 63.74	141.73
22 13 16 00-0077	EA 12" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,118.83 301.06 12.93 77.60	172.53
22 13 16 00-0078	EA 15" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,763.11 515.52 14.51 87.06	193.57
22 13 16 00-0079	Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0080	EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.86 30.73 3.70 22.22	49.39
22 13 16 00-0081	EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.61 36.77 4.58 27.47	61.04
22 13 16 00-0082	EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.77 44.76 4.69 28.16	62.59
22 13 16 00-0083	EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.64 74.60 6.28 37.65	83.75
22 13 16 00-0084	EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.63 76.91 6.39 38.37	85.28
22 13 16 00-0085	EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	363.26 79.39 6.82 40.93	90.99
22 13 16 00-0086	EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	545.94 138.37 7.53 45.18	100.46
22 13 16 00-0087	EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	571.65 146.36 7.67 46.05	102.39
22 13 16 00-0088	EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	584.53 148.31 8.04 48.23	107.23
22 13 16 00-0089	EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	693.46 180.11 8.94 53.66	119.28
22 13 16 00-0090	EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	868.41 245.29 8.38 50.27	111.77
22 13 16 00-0091	EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	903.20 254.88 8.75 52.49	116.68
22 13 16 00-0092	EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.62 277.97 9.67 58.02	129.02
22 13 16 00-0093	EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,318.55 389.69 10.26 61.54	136.83
22 13 16 00-0094	EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,358.64 403.73 10.26 61.54	136.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,411.85 416.34 11.12 66.69	148.28
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,664.90 501.06 11.66 69.99	155.64
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,034.73 628.06 12.01 72.08	160.26
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,407.44 1,113.31 11.33 67.97	151.10
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,554.00 1,158.07 12.26 73.57	163.52
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,625.44 1,179.39 12.79 76.73	170.58
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,709.18 1,205.67 13.22 79.32	176.39
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,800.73 1,232.32 13.99 83.95	186.65
22 13 16 00-0103			Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.74 12.20 3.54 21.26	47.25
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.77 18.26 3.88 23.28	51.75
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.72 25.22 5.08 30.50	67.82
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	254.56 45.70 6.20 37.20	82.73
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.15 57.87 7.69 46.14	102.60
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	604.14 140.87 10.08 60.50	134.52
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	878.46 214.92 13.22 79.32	176.39
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,181.42 294.52 17.00 101.98	226.74
22 13 16 00-0112			Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.20 13.70 3.70 22.22	49.39
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.43 25.15 4.58 27.47	61.04
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.97 29.43 4.69 28.16	62.59
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.84 52.62 6.28 37.65	83.75

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	288.01	85.28
			<i>For Extra Heavy Fittings, Add</i>	56.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.39	
			<i>For Work In Restricted Working Space, Add</i>	38.37	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	305.09	90.99
			<i>For Extra Heavy Fittings, Add</i>	59.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.82	
			<i>For Work In Restricted Working Space, Add</i>	40.93	
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	429.28	100.46
			<i>For Extra Heavy Fittings, Add</i>	97.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.53	
			<i>For Work In Restricted Working Space, Add</i>	45.18	
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	439.45	107.23
			<i>For Extra Heavy Fittings, Add</i>	97.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.04	
			<i>For Work In Restricted Working Space, Add</i>	48.23	
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	561.44	119.28
			<i>For Extra Heavy Fittings, Add</i>	133.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	53.66	
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)					
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye	181.16	56.54
			<i>For Extra Heavy Fittings, Add</i>	33.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.24	
			<i>For Work In Restricted Working Space, Add</i>	25.42	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye	268.73	71.28
			<i>For Extra Heavy Fittings, Add</i>	56.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.34	
			<i>For Work In Restricted Working Space, Add</i>	32.05	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye	367.65	90.16
			<i>For Extra Heavy Fittings, Add</i>	81.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.76	
			<i>For Work In Restricted Working Space, Add</i>	40.57	
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye	730.91	143.60
			<i>For Extra Heavy Fittings, Add</i>	180.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.77	
			<i>For Work In Restricted Working Space, Add</i>	64.59	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye	1,508.15	168.87
			<i>For Extra Heavy Fittings, Add</i>	439.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.66	
			<i>For Work In Restricted Working Space, Add</i>	75.95	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye	2,012.28	188.95
			<i>For Extra Heavy Fittings, Add</i>	605.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.16	
			<i>For Work In Restricted Working Space, Add</i>	84.99	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye	1,357.80	226.74
			<i>For Extra Heavy Fittings, Add</i>	356.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.00	
			<i>For Work In Restricted Working Space, Add</i>	101.98	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye	3,985.89	237.97
			<i>For Extra Heavy Fittings, Add</i>	1,270.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.85	
			<i>For Work In Restricted Working Space, Add</i>	107.09	
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)					
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	157.16	66.87
			<i>For Extra Heavy Fittings, Add</i>	19.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.01	
			<i>For Work In Restricted Working Space, Add</i>	30.08	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	183.04	76.81
			<i>For Extra Heavy Fittings, Add</i>	23.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	34.56	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	199.46	80.57
			<i>For Extra Heavy Fittings, Add</i>	27.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.04	
			<i>For Work In Restricted Working Space, Add</i>	36.26	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	266.65	99.61
			<i>For Extra Heavy Fittings, Add</i>	41.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.47	
			<i>For Work In Restricted Working Space, Add</i>	44.80	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	283.51	103.41
			<i>For Extra Heavy Fittings, Add</i>	44.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.75	
			<i>For Work In Restricted Working Space, Add</i>	46.51	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	328.60	112.77
			<i>For Extra Heavy Fittings, Add</i>	55.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.45	
			<i>For Work In Restricted Working Space, Add</i>	50.72	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	549.32	130.13
			<i>For Extra Heavy Fittings, Add</i>	123.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.75	
			<i>For Work In Restricted Working Space, Add</i>	58.52	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	593.49	154.00
			<i>For Extra Heavy Fittings, Add</i>	126.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.55	
			<i>For Work In Restricted Working Space, Add</i>	69.29	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140	EA			10" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	584.94 131.67 10.44 62.62	139.20
22 13 16 00-0141	EA			10" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	681.20 152.59 12.26 73.57	163.52
22 13 16 00-0142	EA			10" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	848.57 203.46 13.36 80.18	178.25
22 13 16 00-0143	EA			12" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	866.63 207.63 13.67 82.02	182.34
22 13 16 00-0144	EA			12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,121.45 288.40 14.87 89.24	198.40
22 13 16 00-0145				Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146	EA			2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.60 21.65 4.24 25.42	56.54
22 13 16 00-0147	EA			3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.66 29.48 5.67 34.03	75.64
22 13 16 00-0148	EA			4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.32 41.49 7.09 42.53	94.58
22 13 16 00-0149	EA			6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	608.14 128.63 12.03 72.19	160.49
22 13 16 00-0150				Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151	EA			3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.44 34.22 5.08 30.50	67.82
22 13 16 00-0152	EA			4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.39 43.12 5.76 34.56	76.81
22 13 16 00-0153	EA			4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.00 48.94 6.41 38.45	85.52
22 13 16 00-0154	EA			6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	571.83 137.32 8.97 53.85	119.71
22 13 16 00-0155				Bell And Spigot Cast Iron Sanitary Tees <small>(22 13 16 00-0030)</small>		
22 13 16 00-0156	EA			2" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.16 16.87 3.55 21.29	47.33
22 13 16 00-0157	EA			3" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.47 20.60 3.88 23.28	51.75
22 13 16 00-0158	EA			4" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.08 46.89 4.76 28.53	63.40
22 13 16 00-0159	EA			5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.92 83.48 5.47 32.82	72.94
22 13 16 00-0160	EA			6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	417.39 100.18 6.56 39.35	87.48
22 13 16 00-0161	EA			8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	924.76 263.76 8.56 51.35	114.15

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0162	EA 10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,402.33 417.76 10.44 62.62	139.20
22 13 16 00-0163	EA 12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,109.71 652.57 12.26 73.57	163.52
22 13 16 00-0164	Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165	EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.43 32.33 3.70 22.22	49.39
22 13 16 00-0166	EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.36 38.72 4.34 26.02	57.87
22 13 16 00-0167	EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.02 42.45 4.34 26.02	57.87
22 13 16 00-0168	EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	324.43 69.63 6.28 37.65	83.75
22 13 16 00-0169	EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.49 73.71 6.39 38.37	85.28
22 13 16 00-0170	EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.83 80.99 6.82 40.93	90.99
22 13 16 00-0171	EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	644.92 169.45 8.04 48.23	107.23
22 13 16 00-0172	EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	815.76 222.91 8.94 53.66	119.28
22 13 16 00-0173	Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174	EA 2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.05 9.86 3.54 21.26	47.25
22 13 16 00-0175	EA 3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.62 17.16 3.88 23.28	51.75
22 13 16 00-0176	EA 4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.09 23.25 5.08 30.50	67.82
22 13 16 00-0177	EA 5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.10 34.69 6.20 37.20	82.73
22 13 16 00-0178	EA 6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.49 44.69 7.69 46.14	102.60
22 13 16 00-0179	EA 8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	498.79 104.00 10.08 60.50	134.52
22 13 16 00-0180	Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0181	EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.34 11.01 3.54 21.26	47.25
22 13 16 00-0182	EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.17 12.45 3.88 23.28	51.75
22 13 16 00-0183	EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.51 15.35 5.08 30.50	67.82
22 13 16 00-0184	Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0185	EA			2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.42 11.74 3.54 21.26	47.25
22 13 16 00-0186	EA			3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.13 13.84 3.88 23.28	51.75
22 13 16 00-0187	EA			4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.45 18.83 5.08 30.50	67.82
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)						
22 13 16 00-0189	EA			3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.66 6.23 1.99 11.96	26.61
22 13 16 00-0190	EA			4" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.28 6.52 2.63 15.80	35.09
22 13 16 00-0191	EA			4" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.24 8.47 2.65 15.91	35.38
22 13 16 00-0192	EA			6" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.60 12.31 3.32 19.93	44.29
22 13 16 00-0193	EA			6" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.84 13.84 3.37 20.19	44.88
22 13 16 00-0194	EA			6" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.49 14.64 3.43 20.60	45.82
22 13 16 00-0195	EA			8" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.98 27.02 3.54 21.24	47.21
22 13 16 00-0196	EA			8" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.84 27.30 4.34 26.05	57.93
22 13 16 00-0197	EA			8" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.19 28.03 4.46 26.73	59.42
22 13 16 00-0198	EA			8" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.50 28.54 4.65 27.89	62.02
22 13 16 00-0199	EA			10" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.09 40.85 5.22 31.31	69.61
22 13 16 00-0200	EA			10" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.21 43.25 5.48 32.89	73.10
22 13 16 00-0201	EA			10" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.14 47.16 5.72 34.32	76.29
22 13 16 00-0202	EA			12" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.50 66.70 6.20 37.18	82.69
22 13 16 00-0203	EA			12" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.90 71.33 7.26 43.53	96.75
22 13 16 00-0204	EA			12" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.09 73.44 8.26 49.58	110.20
22 13 16 00-0205	EA			12" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	408.42 76.34 9.52 57.09	126.93
22 13 16 00-0206	EA			15" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	549.56 125.74 9.52 57.09	126.93

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0207	EA 15" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	584.03 132.61 10.26 61.54	136.83
22 13 16 00-0208	EA 15" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	607.39 136.87 10.82 64.90	144.26
22 13 16 00-0209	EA 15" x 12" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	639.22 142.89 11.55 69.29	154.00
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)			
22 13 16 00-0211	EA 2" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.16 10.66 1.59 9.51	21.15
22 13 16 00-0212	EA 3" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.15 15.51 1.99 11.96	26.61
22 13 16 00-0213	EA 4" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.09 21.72 2.65 15.91	35.38
22 13 16 00-0214	EA 5" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.50 46.57 3.07 18.43	41.00
22 13 16 00-0215	EA 6" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.91 67.07 3.61 21.69	48.23
22 13 16 00-0216	EA 8" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	604.49 179.04 4.65 27.89	62.02
22 13 16 00-0217	EA 10" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.05 193.43 5.72 34.32	76.29
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)			
22 13 16 00-0219	EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.73 14.71 1.59 9.51	21.15
22 13 16 00-0220	EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.89 23.46 1.99 11.96	26.61
22 13 16 00-0221	EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.37 36.52 2.65 15.91	35.38
22 13 16 00-0222	EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.57 69.97 3.43 20.60	45.82
22 13 16 00-0223	EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.99 72.58 3.83 22.99	51.09
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)			
22 13 16 00-0225	EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.55 3.88 23.28	51.09
22 13 16 00-0226	EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.46 5.08 30.50	67.16
22 13 16 00-0227	EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.44 6.02 36.09	79.59
22 13 16 00-0228	EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.05 6.82 40.93	90.18
22 13 16 00-0229	EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,267.39 8.04 48.23	106.04
22 13 16 00-0230	EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,453.68 8.94 53.66	118.32

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent <small>(22 13 16 00-0030)</small>			
22 13 16 00-0232	EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	213.10	70.55
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.34	
	<i>For Work In Restricted Working Space, Add</i>	32.05	
22 13 16 00-0233	EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	294.62	89.05
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.76	
	<i>For Work In Restricted Working Space, Add</i>	40.57	
22 13 16 00-0234	EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	738.87	111.45
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.45	
	<i>For Work In Restricted Working Space, Add</i>	50.72	
22 13 16 00-0235	EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	854.67	134.90
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.22	
	<i>For Work In Restricted Working Space, Add</i>	61.33	
22 13 16 00-0236	EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,435.98	128.57
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.75	
	<i>For Work In Restricted Working Space, Add</i>	58.52	
22 13 16 00-0237	EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,668.32	152.67
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.55	
	<i>For Work In Restricted Working Space, Add</i>	69.29	
22 13 16 00-0238	EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,560.20	176.17
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.36	
	<i>For Work In Restricted Working Space, Add</i>	80.18	
22 13 16 00-0239	EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	4,944.94	203.68
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.43	
	<i>For Work In Restricted Working Space, Add</i>	92.57	
22 13 16 00-0240	EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	9,694.87	235.58
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.85	
	<i>For Work In Restricted Working Space, Add</i>	107.12	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings <small>(22 13 16 00-0030)</small>			
22 13 16 00-0242	EA 2" Bell And Spigot Cast Iron Scission Joint Fitting.....	140.30	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.58	
	<i>For Work In Restricted Working Space, Add</i>	9.49	
22 13 16 00-0243	EA 3" Bell And Spigot Cast Iron Scission Joint Fitting.....	196.34	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.78	
	<i>For Work In Restricted Working Space, Add</i>	10.66	
22 13 16 00-0244	EA 4" Bell And Spigot Cast Iron Scission Joint Fitting.....	224.44	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.38	
	<i>For Work In Restricted Working Space, Add</i>	14.28	
22 13 16 00-0245	EA 5" Bell And Spigot Cast Iron Scission Joint Fitting.....	278.39	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.77	
	<i>For Work In Restricted Working Space, Add</i>	16.59	
22 13 16 00-0246	EA 6" Bell And Spigot Cast Iron Scission Joint Fitting.....	338.19	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.34	
	<i>For Work In Restricted Working Space, Add</i>	20.04	
22 13 16 00-0247	EA 8" Bell And Spigot Cast Iron Scission Joint Fitting.....	655.15	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.22	
	<i>For Work In Restricted Working Space, Add</i>	25.32	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe <small>(22 13 16 00-0019)</small>			
<small>Note: For use when connecting pipe to an existing in-place system.</small>			
22 13 16 00-0249	EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	8.80	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.44	
	<i>For Work In Restricted Working Space, Add</i>	2.64	
22 13 16 00-0250	EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	9.61	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.48	
	<i>For Work In Restricted Working Space, Add</i>	2.88	
22 13 16 00-0251	EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.00	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.60	
	<i>For Work In Restricted Working Space, Add</i>	3.60	
22 13 16 00-0252	EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	14.40	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.72	
	<i>For Work In Restricted Working Space, Add</i>	4.32	
22 13 16 00-0253	EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	19.20	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.96	
	<i>For Work In Restricted Working Space, Add</i>	5.76	
22 13 16 00-0254	EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	22.40	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.12	
	<i>For Work In Restricted Working Space, Add</i>	6.72	
22 13 16 00-0255	EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	26.40	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.32	
	<i>For Work In Restricted Working Space, Add</i>	7.92	
22 13 16 00-0256	EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	30.40	
	<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.52	
	<i>For Work In Restricted Working Space, Add</i>	9.12	

22 13 16 00-0257 Joint Material <small>(22 13 16 00-0019)</small>			
<small>Note: Labor costs are included in the installation costs for fittings.</small>			
22 13 16 00-0258	LB Lead (1 LB/Diameter Inch) Joint Material	5.40	
22 13 16 00-0259	LB Oakum (1/8 LB/Diameter Inch) Joint Material	10.26	
22 13 16 00-0260	EA 2" Dual Tite Rubber Gasket	3.17	
22 13 16 00-0261	EA 3" Dual Tite Rubber Gasket	4.34	
22 13 16 00-0262	EA 4" Dual Tite Rubber Gasket	5.40	
22 13 16 00-0263	EA 6" Dual Tite Rubber Gasket	8.95	
22 13 16 00-0264	EA 8" Dual Tite Rubber Gasket	19.74	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket.....		30.28	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket.....		38.57	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket.....		45.81	
22 13 16 00-0268		No Hub Cast Iron Soil Pipe And Fittings (22 13 16)			
		Note: Service Weight. Excludes hangers.			
22 13 16 00-0269		No Hub Cast Iron Pipe (22 13 16 00-0268)			
		Note: Excludes couplings.			
22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe.....		12.15	4.43
		For Below Ground Installation, Add		0.33	
		For Work In Restricted Working Space, Add		1.99	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe.....		12.92	4.72
		For Below Ground Installation, Add		0.36	
		For Work In Restricted Working Space, Add		2.14	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe.....		18.33	6.85
		For Below Ground Installation, Add		0.52	
		For Work In Restricted Working Space, Add		3.09	
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe.....		23.78	8.92
		For Below Ground Installation, Add		0.67	
		For Work In Restricted Working Space, Add		4.02	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe.....		31.23	11.18
		For Below Ground Installation, Add		0.84	
		For Work In Restricted Working Space, Add		5.03	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe.....		36.15	12.20
		For Below Ground Installation, Add		0.91	
		For Work In Restricted Working Space, Add		5.48	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe.....		54.79	17.48
		For Below Ground Installation, Add		1.31	
		For Work In Restricted Working Space, Add		7.85	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe.....		77.22	19.86
		For Below Ground Installation, Add		1.49	
		For Work In Restricted Working Space, Add		8.92	
22 13 16 00-0278		No Hub Cast Iron Fittings (22 13 16 00-0268)			
22 13 16 00-0279		No Hub Cast Iron Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep.....		45.70	20.93
		For Below Ground Installation, Add		1.57	
		For Work In Restricted Working Space, Add		9.41	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep.....		46.06	20.93
		For Below Ground Installation, Add		1.57	
		For Work In Restricted Working Space, Add		9.41	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep.....		54.37	23.96
		For Below Ground Installation, Add		1.80	
		For Work In Restricted Working Space, Add		10.79	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep.....		74.99	31.70
		For Below Ground Installation, Add		2.38	
		For Work In Restricted Working Space, Add		14.27	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep.....		105.82	36.90
		For Below Ground Installation, Add		2.77	
		For Work In Restricted Working Space, Add		16.59	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep.....		125.55	44.00
		For Below Ground Installation, Add		3.30	
		For Work In Restricted Working Space, Add		19.80	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep.....		247.76	56.67
		For Below Ground Installation, Add		4.25	
		For Work In Restricted Working Space, Add		25.49	
22 13 16 00-0287		No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep.....		69.53	23.96
		For Below Ground Installation, Add		1.80	
		For Work In Restricted Working Space, Add		10.79	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep.....		103.89	31.70
		For Below Ground Installation, Add		2.38	
		For Work In Restricted Working Space, Add		14.27	
22 13 16 00-0290		No Hub Cast Iron Short Sweeps (22 13 16 00-0278)			
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep.....		43.01	20.93
		For Below Ground Installation, Add		1.57	
		For Work In Restricted Working Space, Add		9.41	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep.....		51.95	23.96
		For Below Ground Installation, Add		1.80	
		For Work In Restricted Working Space, Add		10.79	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep.....		73.73	31.70
		For Below Ground Installation, Add		2.38	
		For Work In Restricted Working Space, Add		14.27	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep.....		106.30	36.90
		For Below Ground Installation, Add		2.77	
		For Work In Restricted Working Space, Add		16.59	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep.....		118.15	44.00
		For Below Ground Installation, Add		3.30	
		For Work In Restricted Working Space, Add		19.80	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA			8" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.40 4.25 25.49	56.67
22 13 16 00-0297	EA			10" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	365.97 5.95 35.69	79.35
22 13 16 00-0298				No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299	EA			1-1/2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.12 1.50 9.03	20.05
22 13 16 00-0300	EA			2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.91 1.57 9.41	20.93
22 13 16 00-0301	EA			3" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.55 1.80 10.79	23.96
22 13 16 00-0302	EA			4" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.21 2.38 14.27	31.70
22 13 16 00-0303	EA			5" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.96 2.77 16.59	36.90
22 13 16 00-0304	EA			6" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.17 3.30 19.80	44.00
22 13 16 00-0305	EA			8" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.98 4.25 25.49	56.67
22 13 16 00-0306				No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307	EA			1-1/2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.18 1.50 9.03	20.05
22 13 16 00-0308	EA			2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.61 1.57 9.41	20.93
22 13 16 00-0309	EA			3" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.29 1.80 10.79	23.96
22 13 16 00-0310	EA			4" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.14 2.38 14.27	31.70
22 13 16 00-0311	EA			6" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.21 3.51 21.06	46.82
22 13 16 00-0312	EA			8" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.65 4.61 27.65	61.48
22 13 16 00-0313	EA			10" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.04 5.67 34.03	75.64
22 13 16 00-0314				No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0315	EA			3" x 1-1/2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.92 3.06 18.35	40.84
22 13 16 00-0316	EA			3" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.95 3.51 21.06	46.82
22 13 16 00-0317	EA			4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.18 3.88 23.28	51.75
22 13 16 00-0318	EA			4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.77 4.31 25.87	57.50
22 13 16 00-0319	EA			6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.91 5.44 32.65	72.56
22 13 16 00-0320	EA			6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.74 5.68 34.10	75.85
22 13 16 00-0321	EA			6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.13 6.64 39.86	88.65
22 13 16 00-0322	EA			8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.18 6.68 40.10	89.16
22 13 16 00-0323	EA			8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	267.32 7.34 44.07	98.01
22 13 16 00-0324	EA			10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.57 7.83 46.97	104.41

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 13 16 00-0325	EA	10" x 6" No Hub Cast Iron Reducing Wye.....	434.40	111.77	
		<i>For Below Ground Installation, Add</i>	8.38		
		<i>For Work In Restricted Working Space, Add</i>	50.27		
22 13 16 00-0326	EA	10" x 8" No Hub Cast Iron Reducing Wye.....	499.34	119.36	
		<i>For Below Ground Installation, Add</i>	8.95		
		<i>For Work In Restricted Working Space, Add</i>	53.68		
22 13 16 00-0327 No Hub Cast Iron Wyes (22 13 16 00-0278)					
22 13 16 00-0328	EA	1-1/2" No Hub Cast Iron Wye.....	59.85	31.55	
		<i>For Below Ground Installation, Add</i>	2.36		
		<i>For Work In Restricted Working Space, Add</i>	14.18		
22 13 16 00-0329	EA	2" No Hub Cast Iron Wye.....	76.86	42.76	
		<i>For Below Ground Installation, Add</i>	3.21		
		<i>For Work In Restricted Working Space, Add</i>	19.23		
22 13 16 00-0330	EA	3" No Hub Cast Iron Wye.....	87.63	46.82	
		<i>For Below Ground Installation, Add</i>	3.51		
		<i>For Work In Restricted Working Space, Add</i>	21.06		
22 13 16 00-0331	EA	4" No Hub Cast Iron Wye.....	120.42	61.48	
		<i>For Below Ground Installation, Add</i>	4.61		
		<i>For Work In Restricted Working Space, Add</i>	27.65		
22 13 16 00-0332	EA	5" No Hub Cast Iron Wye.....	168.86	71.84	
		<i>For Below Ground Installation, Add</i>	5.39		
		<i>For Work In Restricted Working Space, Add</i>	32.31		
22 13 16 00-0333	EA	6" No Hub Cast Iron Wye.....	200.37	85.28	
		<i>For Below Ground Installation, Add</i>	6.39		
		<i>For Work In Restricted Working Space, Add</i>	38.37		
22 13 16 00-0334	EA	8" No Hub Cast Iron Wye.....	340.29	113.40	
		<i>For Below Ground Installation, Add</i>	8.50		
		<i>For Work In Restricted Working Space, Add</i>	50.99		
22 13 16 00-0335	EA	10" No Hub Cast Iron Wye.....	557.62	125.97	
		<i>For Below Ground Installation, Add</i>	9.44		
		<i>For Work In Restricted Working Space, Add</i>	56.66		
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	67.76	36.71	
		<i>For Below Ground Installation, Add</i>	2.75		
		<i>For Work In Restricted Working Space, Add</i>	16.50		
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	77.37	42.76	
		<i>For Below Ground Installation, Add</i>	3.21		
		<i>For Work In Restricted Working Space, Add</i>	19.23		
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	91.51	46.82	
		<i>For Below Ground Installation, Add</i>	3.51		
		<i>For Work In Restricted Working Space, Add</i>	21.06		
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	131.38	61.48	
		<i>For Below Ground Installation, Add</i>	4.61		
		<i>For Work In Restricted Working Space, Add</i>	27.65		
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	240.54	94.58	
		<i>For Below Ground Installation, Add</i>	7.09		
		<i>For Work In Restricted Working Space, Add</i>	42.53		
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	429.76	121.34	
		<i>For Below Ground Installation, Add</i>	9.10		
		<i>For Work In Restricted Working Space, Add</i>	54.58		
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	504.49	146.70	
		<i>For Below Ground Installation, Add</i>	11.00		
		<i>For Work In Restricted Working Space, Add</i>	65.98		
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	78.01	42.76	
		<i>For Below Ground Installation, Add</i>	3.21		
		<i>For Work In Restricted Working Space, Add</i>	19.23		
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	85.89	46.82	
		<i>For Below Ground Installation, Add</i>	3.51		
		<i>For Work In Restricted Working Space, Add</i>	21.06		
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	99.06	51.75	
		<i>For Below Ground Installation, Add</i>	3.88		
		<i>For Work In Restricted Working Space, Add</i>	23.28		
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	113.54	57.50	
		<i>For Below Ground Installation, Add</i>	4.31		
		<i>For Work In Restricted Working Space, Add</i>	25.87		
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	159.20	72.56	
		<i>For Below Ground Installation, Add</i>	5.44		
		<i>For Work In Restricted Working Space, Add</i>	32.65		
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	177.46	75.85	
		<i>For Below Ground Installation, Add</i>	5.68		
		<i>For Work In Restricted Working Space, Add</i>	34.10		
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	198.39	88.65	
		<i>For Below Ground Installation, Add</i>	6.64		
		<i>For Work In Restricted Working Space, Add</i>	39.86		
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	263.45	89.16	
		<i>For Below Ground Installation, Add</i>	6.68		
		<i>For Work In Restricted Working Space, Add</i>	40.10		
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	341.07	98.01	
		<i>For Below Ground Installation, Add</i>	7.34		
		<i>For Work In Restricted Working Space, Add</i>	44.07		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0354		No Hub Cast Iron Double Wyes <small>(22 13 16 00-0278)</small>			
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	97.46	53.15
		<i>For Below Ground Installation, Add</i>		3.98	
		<i>For Work In Restricted Working Space, Add</i>		23.91	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	.....	129.78	64.73
		<i>For Below Ground Installation, Add</i>		4.85	
		<i>For Work In Restricted Working Space, Add</i>		29.10	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	.....	173.53	70.77
		<i>For Below Ground Installation, Add</i>		5.30	
		<i>For Work In Restricted Working Space, Add</i>		31.82	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	.....	277.35	107.50
		<i>For Below Ground Installation, Add</i>		8.06	
		<i>For Work In Restricted Working Space, Add</i>		48.34	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	.....	531.09	144.26
		<i>For Below Ground Installation, Add</i>		10.82	
		<i>For Work In Restricted Working Space, Add</i>		64.90	

22 13 16 00-0360		No Hub Cast Iron Reducing Double Wyes <small>(22 13 16 00-0278)</small>			
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	.....	116.39	58.90
		<i>For Below Ground Installation, Add</i>		4.41	
		<i>For Work In Restricted Working Space, Add</i>		26.48	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	.....	139.46	67.82
		<i>For Below Ground Installation, Add</i>		5.08	
		<i>For Work In Restricted Working Space, Add</i>		30.51	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	.....	153.45	73.94
		<i>For Below Ground Installation, Add</i>		5.54	
		<i>For Work In Restricted Working Space, Add</i>		33.26	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	.....	236.36	94.78
		<i>For Below Ground Installation, Add</i>		7.11	
		<i>For Work In Restricted Working Space, Add</i>		42.63	

22 13 16 00-0365		No Hub Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>			
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	.....	126.90	63.85
		<i>For Below Ground Installation, Add</i>		4.79	
		<i>For Work In Restricted Working Space, Add</i>		28.72	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	.....	154.33	70.77
		<i>For Below Ground Installation, Add</i>		5.30	
		<i>For Work In Restricted Working Space, Add</i>		31.82	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	.....	232.58	93.70
		<i>For Below Ground Installation, Add</i>		7.02	
		<i>For Work In Restricted Working Space, Add</i>		42.13	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	.....	324.43	144.64
		<i>For Below Ground Installation, Add</i>		10.84	
		<i>For Work In Restricted Working Space, Add</i>		65.05	

22 13 16 00-0370		No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>			
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	.....	118.51	54.92
		<i>For Below Ground Installation, Add</i>		4.12	
		<i>For Work In Restricted Working Space, Add</i>		24.71	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	.....	137.39	63.85
		<i>For Below Ground Installation, Add</i>		4.79	
		<i>For Work In Restricted Working Space, Add</i>		28.72	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	.....	165.10	69.74
		<i>For Below Ground Installation, Add</i>		5.23	
		<i>For Work In Restricted Working Space, Add</i>		31.37	

22 13 16 00-0374		No Hub Cast Iron Sanitary Tees <small>(22 13 16 00-0278)</small>			
22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	.....	58.32	30.89
		<i>For Below Ground Installation, Add</i>		2.32	
		<i>For Work In Restricted Working Space, Add</i>		13.91	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	.....	77.49	42.76
		<i>For Below Ground Installation, Add</i>		3.21	
		<i>For Work In Restricted Working Space, Add</i>		19.23	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	.....	86.20	46.82
		<i>For Below Ground Installation, Add</i>		3.51	
		<i>For Work In Restricted Working Space, Add</i>		21.06	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	.....	117.17	61.48
		<i>For Below Ground Installation, Add</i>		4.61	
		<i>For Work In Restricted Working Space, Add</i>		27.65	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	.....	169.54	71.84
		<i>For Below Ground Installation, Add</i>		5.39	
		<i>For Work In Restricted Working Space, Add</i>		32.31	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	.....	199.90	85.28
		<i>For Below Ground Installation, Add</i>		6.39	
		<i>For Work In Restricted Working Space, Add</i>		38.37	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	.....	380.31	113.40
		<i>For Below Ground Installation, Add</i>		8.50	
		<i>For Work In Restricted Working Space, Add</i>		50.99	

22 13 16 00-0382		No Hub Cast Iron Reducing Sanitary Tees <small>(22 13 16 00-0278)</small>			
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22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.66 2.61 15.68	34.87
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.03 3.06 18.35	40.84
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.96 3.21 19.23	42.76
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.28 3.21 19.23	42.76
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.77 4.34 26.02	57.87
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.49 4.34 26.02	57.87
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.54 5.12 30.70	68.25
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.73 5.12 30.70	68.25
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.36 5.12 30.70	68.25
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.08 5.33 31.97	71.11
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.08 7.17 43.01	95.64
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)					
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.79 1.57 9.41	20.93
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.07 1.80 10.79	23.96
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.03 2.38 14.27	31.70
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.45 1.57 9.41	20.93
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.77 1.80 10.79	23.96
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.87 2.38 14.27	31.70
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.29 3.51 21.06	46.82
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.57 4.61 27.65	61.48
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.09 7.00 42.02	93.40
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)					
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.08 1.57 9.41	20.93
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.36 1.80 10.79	23.96
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.61 2.38 14.27	31.70
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.46 3.51 21.06	46.82
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.21 4.61 27.65	61.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)					
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross	78.10	41.29
			<i>For Below Ground Installation, Add</i>	3.10	
			<i>For Work In Restricted Working Space, Add</i>	18.59	
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross	84.30	42.76
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.23	
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross	102.00	46.82
			<i>For Below Ground Installation, Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	21.06	
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross	151.89	61.48
			<i>For Below Ground Installation, Add</i>	4.61	
			<i>For Work In Restricted Working Space, Add</i>	27.65	
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)					
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross	110.93	54.92
			<i>For Below Ground Installation, Add</i>	4.12	
			<i>For Work In Restricted Working Space, Add</i>	24.71	
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross	125.16	56.54
			<i>For Below Ground Installation, Add</i>	4.24	
			<i>For Work In Restricted Working Space, Add</i>	25.43	
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross	137.21	59.05
			<i>For Below Ground Installation, Add</i>	4.42	
			<i>For Work In Restricted Working Space, Add</i>	26.54	
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)					
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer	70.88	42.76
			<i>For Below Ground Installation, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	19.23	
22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer	97.06	57.87
			<i>For Below Ground Installation, Add</i>	4.34	
			<i>For Work In Restricted Working Space, Add</i>	26.02	
22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer	97.38	57.87
			<i>For Below Ground Installation, Add</i>	4.34	
			<i>For Work In Restricted Working Space, Add</i>	26.02	
22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer	117.48	68.25
			<i>For Below Ground Installation, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	30.70	
22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer	119.58	68.25
			<i>For Below Ground Installation, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	30.70	
22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer	120.41	68.25
			<i>For Below Ground Installation, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	30.70	
22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer	139.85	75.85
			<i>For Below Ground Installation, Add</i>	5.68	
			<i>For Work In Restricted Working Space, Add</i>	34.10	
22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer	140.16	75.85
			<i>For Below Ground Installation, Add</i>	5.68	
			<i>For Work In Restricted Working Space, Add</i>	34.10	
22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer	141.11	75.85
			<i>For Below Ground Installation, Add</i>	5.68	
			<i>For Work In Restricted Working Space, Add</i>	34.10	
22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer	193.52	105.82
			<i>For Below Ground Installation, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	47.59	
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer	195.93	105.82
			<i>For Below Ground Installation, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	47.59	
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer	199.81	105.82
			<i>For Below Ground Installation, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	47.59	
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer	203.85	105.82
			<i>For Below Ground Installation, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	47.59	
22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer	204.32	105.82
			<i>For Below Ground Installation, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	47.59	
22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer	242.22	111.62
			<i>For Below Ground Installation, Add</i>	8.37	
			<i>For Work In Restricted Working Space, Add</i>	50.20	
22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer	258.68	116.52
			<i>For Below Ground Installation, Add</i>	8.74	
			<i>For Work In Restricted Working Space, Add</i>	52.43	
22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer	290.18	126.49
			<i>For Below Ground Installation, Add</i>	9.48	
			<i>For Work In Restricted Working Space, Add</i>	56.89	
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)					
22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug	33.97	20.05
			<i>For Below Ground Installation, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	9.03	
22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug	35.09	20.93
			<i>For Below Ground Installation, Add</i>	1.57	
			<i>For Work In Restricted Working Space, Add</i>	9.41	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0442	EA 3" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.57 1.80 10.79	23.96
22 13 16 00-0443	EA 4" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.43 2.38 14.27	31.70
22 13 16 00-0444	EA 5" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.74 2.81 16.88	38.00
22 13 16 00-0445	EA 6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.64 3.30 19.80	44.00
22 13 16 00-0446	EA 8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.43 4.25 25.49	56.67
22 13 16 00-0447	EA 10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.94 4.58 27.46	61.05
22 13 16 00-0448	No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449	EA 2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.11 1.57 9.41	20.93
22 13 16 00-0450	EA 3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.27 1.80 10.79	23.96
22 13 16 00-0451	EA 4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.95 2.38 14.27	31.70
22 13 16 00-0452	EA 5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.20 2.79 16.72	37.20
22 13 16 00-0453	EA 6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.08 3.33 19.95	44.36
22 13 16 00-0454	No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA 2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.63 1.99 11.96	26.61
22 13 16 00-0456	EA 3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.33 2.65 15.91	35.38
22 13 16 00-0457	EA 4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.96 3.50 21.01	46.73
22 13 16 00-0458	No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA 4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.33 2.38 14.27	31.70
22 13 16 00-0460	EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.85 2.38 14.27	31.70
22 13 16 00-0461	No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA 4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.79 2.38 14.27	31.70
22 13 16 00-0463	No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA 1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.65 1.99 11.96	26.61
22 13 16 00-0465	EA 1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.29 1.99 11.96	26.61
22 13 16 00-0466	No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA 1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	13.58 1.77 3.67	
22 13 16 00-0468	EA 2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	13.58 1.77 3.67	
22 13 16 00-0469	EA 3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	16.12 2.10 4.35	
22 13 16 00-0470	EA 4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	19.14 2.49 5.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0471	EA 5" No Hub Coupling	44.25	
	For Medium Duty (Fernco MD-2000), Add	5.75	
	For Heavy Duty (Fernco HD-4000), Add	11.95	
22 13 16 00-0472	EA 6" No Hub Coupling	48.63	
	For Medium Duty (Fernco MD-2000), Add	6.32	
	For Heavy Duty (Fernco HD-4000), Add	13.13	
22 13 16 00-0473	EA 8" No Hub Coupling	91.61	
	For Medium Duty (Fernco MD-2000), Add	11.91	
	For Heavy Duty (Fernco HD-4000), Add	24.73	
22 13 16 00-0474	EA 10" No Hub Coupling	126.20	
	For Medium Duty (Fernco MD-2000), Add	16.41	
	For Heavy Duty (Fernco HD-4000), Add	34.07	
22 13 16 00-0475	EA 2" x 1-1/2" No Hub Reducing Coupling	16.12	
22 13 16 00-0476	EA 3" x 2" No Hub Reducing Coupling	25.00	
22 13 16 00-0477	EA 4" x 2" No Hub Reducing Coupling	34.88	
22 13 16 00-0478	EA 4" x 3" No Hub Reducing Coupling	29.72	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278)

Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.

22 13 16 00-0480	EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.08	
22 13 16 00-0481	EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.92	
22 13 16 00-0482	EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	28.27	
22 13 16 00-0483	EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	32.98	
22 13 16 00-0484	EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.25	
22 13 16 00-0485	EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.47	
22 13 16 00-0486	EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	149.74	
22 13 16 00-0487	EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	228.82	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	7.20	
	For Work In Restricted Working Space, Add	2.16	
22 13 16 00-0490	EA Cut And Prepare 2" Cast Iron Pipe, No Hub	8.80	
	For Work In Restricted Working Space, Add	2.64	
22 13 16 00-0491	EA Cut And Prepare 3" Cast Iron Pipe, No Hub	9.61	
	For Work In Restricted Working Space, Add	2.88	
22 13 16 00-0492	EA Cut And Prepare 4" Cast Iron Pipe, No Hub	12.00	
	For Work In Restricted Working Space, Add	3.60	
22 13 16 00-0493	EA Cut And Prepare 6" Cast Iron Pipe, No Hub	14.40	
	For Work In Restricted Working Space, Add	4.32	
22 13 16 00-0494	EA Cut And Prepare 8" Cast Iron Pipe, No Hub	19.20	
	For Work In Restricted Working Space, Add	5.76	
22 13 16 00-0495	EA Cut And Prepare 10" Cast Iron Pipe, No Hub	22.40	
	For Work In Restricted Working Space, Add	6.72	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16)

See CSI section 22 11 16 00-0435 for copper and brass fittings.

22 13 16 00-0497	LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe	13.68	3.46
22 13 16 00-0498	LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe	16.45	3.87
22 13 16 00-0499	LF 2" Hard Drawn DWV Copper Tube/Pipe	21.27	4.77
22 13 16 00-0500	LF 3" Hard Drawn DWV Copper Tube/Pipe	44.46	6.61
22 13 16 00-0501	LF 4" Hard Drawn DWV Copper Tube/Pipe	63.76	7.46
22 13 16 00-0502	LF 5" Hard Drawn DWV Copper Tube/Pipe	131.02	8.57
22 13 16 00-0503	LF 6" Hard Drawn DWV Copper Tube/Pipe	185.89	13.28

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0506	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	16.83	3.09
	For Work In Restricted Working Space, Add	3.55	
22 13 16 00-0507	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	18.72	3.69
	For Work In Restricted Working Space, Add	3.95	
22 13 16 00-0508	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	25.82	5.31
	For Work In Restricted Working Space, Add	4.91	
22 13 16 00-0509	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	30.67	5.75
	For Work In Restricted Working Space, Add	5.36	
22 13 16 00-0510	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	44.31	7.37
	For Work In Restricted Working Space, Add	6.86	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0511	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	56.11 7.86	9.80
22 13 16 00-0512	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	77.19 10.25	13.12
22 13 16 00-0513			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.61 1.38	3.09
22 13 16 00-0516	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.83 1.66	3.69
22 13 16 00-0517	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.56 2.38	5.31
22 13 16 00-0518	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.32 2.58	5.75
22 13 16 00-0519	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	17.55 3.29	7.30
22 13 16 00-0520	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.65 4.39	9.72
22 13 16 00-0521	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.85 5.84	13.01
22 13 16 00-0522			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.31 1.38	3.09
22 13 16 00-0524	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.47 1.66	3.69
22 13 16 00-0525	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.88 2.38	5.31
22 13 16 00-0526	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	11.42 2.58	5.75
22 13 16 00-0527	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	15.88 3.29	7.30
22 13 16 00-0528	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.30 4.39	9.72
22 13 16 00-0529	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.29 5.84	13.01
22 13 16 00-0530			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0531			Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0532	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.01 5.53	12.31
22 13 16 00-0533	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.86 7.08	15.71
22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	41.84 9.51	21.08
22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	58.38 11.06	24.55
22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	178.89 14.38	31.92
22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	288.85 19.35	42.98
22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	381.78 25.80	57.28
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	28.24 5.53	12.31
22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	31.01 7.08	15.71
22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.53 9.51	21.08
22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	77.98 11.06	24.55
22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	141.04 14.38	31.92
22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	239.11 19.35	42.98
22 13 16 00-0546	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	380.89 25.80	57.28
22 13 16 00-0547			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0530)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	21.61 5.53	12.31
22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	26.81 7.08	15.71
22 13 16 00-0550 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	40.95 9.51	21.08
22 13 16 00-0551 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	54.03 11.06	24.55
22 13 16 00-0552 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	167.81 14.38	31.92
22 13 16 00-0553 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	263.09 19.35	42.98
22 13 16 00-0554 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	306.00 25.80	57.28
22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	32.24 8.29	18.44
22 13 16 00-0557 EA 2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	41.96 10.61	23.59
22 13 16 00-0558 EA 3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	65.07 14.27	31.70
22 13 16 00-0559 EA 4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	88.69 16.59	36.86
22 13 16 00-0560 EA 6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	266.15 21.56	47.85
22 13 16 00-0561 EA 8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	347.89 29.03	64.43
22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0563 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	38.54 9.07	20.12
22 13 16 00-0564 EA 2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	44.29 9.84	21.82
22 13 16 00-0565 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	39.39 9.84	21.82
22 13 16 00-0566 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	54.32 12.27	27.28
22 13 16 00-0567 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	56.26 13.05	28.98
22 13 16 00-0568 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	64.09 13.82	30.66
22 13 16 00-0569 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	93.93 14.60	32.43
22 13 16 00-0570 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	114.26 15.81	35.09
22 13 16 00-0571 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	254.22 19.91	44.16
22 13 16 00-0572 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	736.91 24.88	55.21
22 13 16 00-0573 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	763.53 26.54	58.90
22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0575 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	50.71 11.06	24.55
22 13 16 00-0576 EA 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	67.47 14.15	31.40
22 13 16 00-0577 EA 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	120.30 19.02	42.24
22 13 16 00-0578 EA 4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	165.21 22.12	49.10
22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)		
22 13 16 00-0580 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	60.36 12.61	28.02
22 13 16 00-0581 EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	93.20 15.04	33.39
22 13 16 00-0582 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	106.32 16.59	36.86
22 13 16 00-0583 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	172.84 18.14	40.26
22 13 16 00-0584 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	184.03 20.57	45.63
22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)		
22 13 16 00-0586 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	26.16 6.30	14.01
22 13 16 00-0587 EA 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	41.50 7.52	16.66
22 13 16 00-0588 EA 3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	41.40 8.29	18.44

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0589	EA 4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	57.44 9.07	20.12
22 13 16 00-0590	EA 4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	62.73 10.28	22.85
22 13 16 00-0591	EA 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	183.55 11.94	26.54
22 13 16 00-0592	EA 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	157.83 12.72	28.24
22 13 16 00-0593	EA 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	367.44 15.21	33.77
22 13 16 00-0594	EA 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	316.83 16.87	37.45
22 13 16 00-0595	EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	421.68 20.09	44.60
22 13 16 00-0596	EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	341.37 22.58	50.13
22 13 16 00-0597	Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598	EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	36.65 8.29	18.44
22 13 16 00-0599	EA 2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	47.65 10.61	23.59
22 13 16 00-0600	EA 3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	108.66 14.27	31.70
22 13 16 00-0601	EA 4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	200.81 16.59	36.86
22 13 16 00-0602	EA 6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	329.17 21.56	47.85
22 13 16 00-0603	Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604	EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	54.13 11.06	24.55
22 13 16 00-0605	EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	46.35 10.28	22.85
22 13 16 00-0606	Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	36.84 8.29	18.44
22 13 16 00-0608	EA 2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	44.63 10.61	23.59
22 13 16 00-0609	EA 3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	68.48 14.27	31.70
22 13 16 00-0610	EA 4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	94.28 16.59	36.86
22 13 16 00-0611	EA 6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	245.17 21.56	47.85
22 13 16 00-0612	EA 8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	308.04 29.03	64.43
22 13 16 00-0613	EA 10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	406.26 38.70	85.88
22 13 16 00-0614	Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615	EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	46.66 9.07	20.12
22 13 16 00-0616	EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	49.09 9.84	21.82
22 13 16 00-0617	EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	66.48 12.27	27.28
22 13 16 00-0618	EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	59.67 13.05	28.98
22 13 16 00-0619	EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	86.68 13.82	30.66
22 13 16 00-0620	EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	79.98 14.60	32.43
22 13 16 00-0621	EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	89.28 15.81	35.09
22 13 16 00-0622	EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	220.97 19.13	42.46
22 13 16 00-0623	EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	267.40 19.91	44.16
22 13 16 00-0624	EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	264.03 24.88	55.21
22 13 16 00-0625	EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	325.42 26.54	58.90
22 13 16 00-0626	EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	308.47 31.33	69.52
22 13 16 00-0627	EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	374.67 32.99	73.21
22 13 16 00-0628	EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	431.41 35.48	78.73
22 13 16 00-0629	Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0630 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.45 11.06	24.55
22 13 16 00-0631 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.37 14.15	31.40
22 13 16 00-0632 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	128.47 19.02	42.24
22 13 16 00-0633 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	205.63 22.12	49.10
22 13 16 00-0634 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	394.58 28.75	63.85
22 13 16 00-0635 EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	466.17 38.70	85.96
22 13 16 00-0636 EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	709.27 51.60	114.56
22 13 16 00-0637 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0530)</small>		
22 13 16 00-0638 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.03 12.61	28.02
22 13 16 00-0639 EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	107.22 15.04	33.39
22 13 16 00-0640 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	103.73 16.59	36.86
22 13 16 00-0641 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	139.53 18.14	40.26
22 13 16 00-0642 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	173.01 20.57	45.63
22 13 16 00-0643 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	256.33 25.43	56.47
22 13 16 00-0644 EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	301.12 30.41	67.52
22 13 16 00-0645 EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	375.05 33.73	74.90
22 13 16 00-0646 EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	398.28 36.86	81.83
22 13 16 00-0647 EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	504.45 40.18	89.20
22 13 16 00-0648 EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	604.37 45.15	100.26
22 13 16 00-0649 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0650 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	42.58 8.29	18.44
22 13 16 00-0651 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	53.59 10.61	23.59
22 13 16 00-0652 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	95.40 14.27	31.70
22 13 16 00-0653 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	154.64 16.59	36.86
22 13 16 00-0654 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0655 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.51 9.84	21.82
22 13 16 00-0656 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	106.41 12.27	27.28
22 13 16 00-0657 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	84.43 13.05	28.98
22 13 16 00-0658 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	139.74 14.60	32.43
22 13 16 00-0659 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	151.36 15.81	35.09
22 13 16 00-0660 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0661 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	60.91 11.06	24.55
22 13 16 00-0662 EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	72.86 14.15	31.40
22 13 16 00-0663 EA 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	108.03 19.02	42.24
22 13 16 00-0664 EA 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	308.85 22.12	49.10
22 13 16 00-0665 EA 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	949.47 28.75	63.85
22 13 16 00-0666 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0667 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	120.70 12.61	28.02
22 13 16 00-0668 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	188.60 16.59	36.86
22 13 16 00-0669 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	308.89 18.14	40.26

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0670	EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	285.99 20.57	45.63
22 13 16 00-0671	EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	642.46 25.43	56.47
22 13 16 00-0672	Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673	EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	79.18 10.61	23.59
22 13 16 00-0674	EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	131.22 14.27	31.70
22 13 16 00-0675	EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	200.83 16.59	36.86
22 13 16 00-0676	EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	494.79 21.56	47.85
22 13 16 00-0677	EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	623.30 29.03	64.43
22 13 16 00-0678	EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	827.44 38.70	85.88
22 13 16 00-0679	Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	26.01 5.53	12.31
22 13 16 00-0681	EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	35.81 7.08	15.71
22 13 16 00-0682	EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	50.50 9.51	21.08
22 13 16 00-0683	EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	81.04 11.06	24.55
22 13 16 00-0684	EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	169.20 14.38	31.92
22 13 16 00-0685	EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	360.22 19.35	42.98
22 13 16 00-0686	EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	648.52 25.79	57.28
22 13 16 00-0687	Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688	EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	20.68 5.53	12.31
22 13 16 00-0689	EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	26.11 7.08	15.71
22 13 16 00-0690	EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	38.15 9.51	21.08
22 13 16 00-0691	EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	47.46 11.06	24.55
22 13 16 00-0692	EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	106.41 14.38	31.92
22 13 16 00-0693	EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	233.48 19.35	42.98
22 13 16 00-0694	EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	347.86 25.80	57.28
22 13 16 00-0695	Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696	EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	11.49 2.77	6.11
22 13 16 00-0697	EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.38 3.54	7.88
22 13 16 00-0698	EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	31.34 4.76	10.54
22 13 16 00-0699	EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	53.94 5.53	12.31
22 13 16 00-0700	Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
	Note: In place piping.		
22 13 16 00-0701	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.40	
22 13 16 00-0702	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.94	
22 13 16 00-0703	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.56	
22 13 16 00-0704	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.20	
22 13 16 00-0705	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.57	
22 13 16 00-0706	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.44	
22 13 16 00-0707	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	23.77	
22 13 16 00-0708	Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
	Note: Aboveground installation.		
22 13 16 00-0709	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
	Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0710	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	16.26 4.24	3.09
	22 13 16 00-0711	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	18.04 4.70	3.69
	22 13 16 00-0712	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.77 5.84	5.31
	22 13 16 00-0713	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	27.02 6.48	5.75
	22 13 16 00-0714	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	41.80 8.62	7.37
	22 13 16 00-0715			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0716	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.77 1.38	3.09
	22 13 16 00-0717	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	7.08 1.66	3.69
	22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.15 2.38	5.31
	22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.22 2.58	5.75
	22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	20.37 3.29	7.30
	22 13 16 00-0721			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
	22 13 16 00-0722			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	23.39 5.53	12.31
	22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.65 7.08	15.71
	22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	53.48 9.51	21.08
	22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	79.54 11.06	24.55
	22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	207.22 14.38	31.92
	22 13 16 00-0728			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.23 5.53	12.31
	22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	37.34 7.08	15.71
	22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	70.09 9.51	21.08
	22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	112.58 11.06	24.55
	22 13 16 00-0733			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	24.32 5.53	12.31
	22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.00 7.08	15.71
	22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	50.08 9.51	21.08
	22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	73.25 11.06	24.55
	22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	213.85 14.38	31.92
	22 13 16 00-0739			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	36.07 8.29	18.44
	22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	48.05 10.61	23.59
	22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	79.83 14.27	31.70
	22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	117.31 16.59	36.86

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	408.04 21.56	47.85
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	43.67 9.07	20.12
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.68 9.84	21.82
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	44.95 9.84	21.82
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	65.56 12.27	27.28
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	68.37 13.05	28.98
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	135.47 13.82	30.66
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	132.10 14.60	32.43
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	150.55 15.81	35.09
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	442.20 19.91	44.16
22 13 16 00-0755			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	62.46 11.06	24.55
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	84.53 14.15	31.40
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	168.32 19.02	42.24
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	241.88 22.12	49.10
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	71.06 12.61	28.02
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	103.61 15.04	33.39
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	118.56 16.59	36.86
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	199.28 17.98	39.90
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	211.16 20.39	45.24
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.61 8.29	18.44
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	52.80 10.61	23.59
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	86.11 14.27	31.70
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	127.12 16.59	36.86
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	335.46 21.56	47.85
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	60.50 9.07	20.12
22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	62.77 9.84	21.82
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	73.45 13.05	28.98
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.37 14.60	32.43
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	120.14 15.81	35.09
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	284.12 19.91	44.16
22 13 16 00-0779			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0721)		
22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	72.95 11.06	24.55
22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	93.60 14.15	31.40
22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	183.40 19.02	42.24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0783	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	316.80 22.12	49.10
22 13 16 00-0784	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0785	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	84.41 12.61	28.02
22 13 16 00-0786	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	134.77 15.04	33.39
22 13 16 00-0787	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	144.38 16.59	36.86
22 13 16 00-0788	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	206.19 18.14	40.26
22 13 16 00-0789	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	261.07 20.57	45.63
22 13 16 00-0790	Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.74 8.29	18.44
22 13 16 00-0792	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.60 10.61	23.59
22 13 16 00-0793	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	105.58 14.27	31.70
22 13 16 00-0794	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	168.74 16.44	36.54
22 13 16 00-0795	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	61.33 9.84	21.82
22 13 16 00-0797	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.45 12.27	27.28
22 13 16 00-0798	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	85.70 13.05	28.98
22 13 16 00-0799	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	142.68 14.60	32.43
22 13 16 00-0800	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	154.52 15.81	35.09
22 13 16 00-0801	Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	110.94 14.15	31.40
22 13 16 00-0803	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	210.47 19.02	42.24
22 13 16 00-0804	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	93.33 12.61	28.02
22 13 16 00-0806	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	199.85 16.59	36.86
22 13 16 00-0807	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	59.52 8.29	18.44
22 13 16 00-0809	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	75.38 10.61	23.59
22 13 16 00-0810	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	116.25 14.27	31.70
22 13 16 00-0811	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	183.71 16.59	36.86
22 13 16 00-0812	Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		
22 13 16 00-0813	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	29.37 5.53	12.31
22 13 16 00-0814	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	41.23 7.08	15.71
22 13 16 00-0815	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	58.80 9.51	21.08
22 13 16 00-0816	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	100.67 11.06	24.55
22 13 16 00-0817	EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	223.09 14.38	31.92
22 13 16 00-0818	Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0721)</small>		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	22.21 5.53	12.31
22 13 16 00-0820	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	27.56 7.08	15.71
22 13 16 00-0821	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	42.50 9.51	21.08
22 13 16 00-0822	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	54.67 11.06	24.55
22 13 16 00-0823	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	135.96 14.38	31.92
22 13 16 00-0824			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	30.56 6.30	14.01
22 13 16 00-0826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	55.34 7.52	16.66
22 13 16 00-0827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	53.02 8.29	18.44
22 13 16 00-0828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	80.30 9.07	20.12
22 13 16 00-0829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	86.66 10.28	22.85
22 13 16 00-0830			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	46.15 8.29	18.44
22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	65.34 10.61	23.59
22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	184.79 14.27	31.70
22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	336.46 16.59	36.86
22 13 16 00-0835			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	62.71 11.06	24.55
22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	58.52 10.28	22.85
22 13 16 00-0838			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	14.03 2.77	6.11
22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.31 3.54	7.88
22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.67 4.76	10.54
22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	73.35 5.53	12.31
22 13 16 00-0843			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	24.98 6.30	14.01
22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	46.49 7.52	16.66
22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	41.25 8.29	18.44
22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	79.61 9.07	20.12
22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	62.90 10.28	22.85
22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	154.23 12.61	27.99
22 13 16 00-0850			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-0851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	55.55 5.53	12.31
22 13 16 00-0852	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	63.17 7.08	15.71
22 13 16 00-0853	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	73.76 9.51	21.08
22 13 16 00-0854	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	81.39 11.06	24.55
22 13 16 00-0855			Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0708)		
			Note: In place piping.		
22 13 16 00-0856	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	5.40	
22 13 16 00-0857	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	5.94	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0858	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.56	
22 13 16 00-0859	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.20	
22 13 16 00-0860	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.57	

22 13 16 00-0861 Elastomeric Flexible Pipe Couplings (22 13 16)

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings
(22 13 16 00-0861)
 Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0863	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	12.58	3.20
		<i>For Work In Restricted Working Space, Add</i>	1.92	
22 13 16 00-0864	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	13.64	3.40
		<i>For Work In Restricted Working Space, Add</i>	2.04	
22 13 16 00-0865	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	14.30	3.60
		<i>For Work In Restricted Working Space, Add</i>	2.16	
22 13 16 00-0866	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	17.20	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0867	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	20.01	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
22 13 16 00-0868	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	27.22	4.20
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 13 16 00-0869	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	34.48	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 13 16 00-0870	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	49.11	4.80
		<i>For Work In Restricted Working Space, Add</i>	2.88	
22 13 16 00-0871	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	66.11	5.60
		<i>For Work In Restricted Working Space, Add</i>	3.36	

22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0861)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0873	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	13.40	3.40
		<i>For Work In Restricted Working Space, Add</i>	2.04	
22 13 16 00-0874	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	14.70	3.60
		<i>For Work In Restricted Working Space, Add</i>	2.16	
22 13 16 00-0875	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	19.18	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0876	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	16.48	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0877	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	24.88	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
22 13 16 00-0878	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	23.50	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
22 13 16 00-0879	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	20.93	4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40	
22 13 16 00-0880	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	33.25	4.20
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 13 16 00-0881	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.32	4.20
		<i>For Work In Restricted Working Space, Add</i>	2.52	
22 13 16 00-0882	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	42.59	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 13 16 00-0883	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	36.72	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 13 16 00-0884	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	38.35	4.40
		<i>For Work In Restricted Working Space, Add</i>	2.64	
22 13 16 00-0885	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	76.45	8.00
		<i>For Work In Restricted Working Space, Add</i>	4.80	
22 13 16 00-0886	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	60.16	8.00
		<i>For Work In Restricted Working Space, Add</i>	4.80	
22 13 16 00-0887	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	78.14	9.00
		<i>For Work In Restricted Working Space, Add</i>	5.40	

22 13 16 00-0888 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0889	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	38.56	21.60
22 13 16 00-0890	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	41.68	22.96
22 13 16 00-0891	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	48.66	26.32
22 13 16 00-0892	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	64.02	34.80
22 13 16 00-0893	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	76.98	41.60
22 13 16 00-0894	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	87.78	48.01
22 13 16 00-0895	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	123.09	60.80
22 13 16 00-0896	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	160.95	68.00
22 13 16 00-0897	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	219.53	75.61

22 13 16 00-0898 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)

22 13 16 00-0899	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	78.04	16.59
22 13 16 00-0900	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	81.73	18.44
22 13 16 00-0901	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	124.84	23.96
22 13 16 00-0902	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	146.65	27.64

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0903	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	171.63		31.33
22 13 16 00-0904	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	300.79		35.02
22 13 16 00-0905		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)			
22 13 16 00-0906	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	163.61		16.59
22 13 16 00-0907	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	167.30		18.44
22 13 16 00-0908	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	197.86		23.96
22 13 16 00-0909	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	248.71		27.64
22 13 16 00-0910	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	343.04		31.33
22 13 16 00-0911	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	350.41		35.02
22 13 16 00-0912		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)			
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.					
22 13 16 00-0913	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	319.56		16.59
22 13 16 00-0914	EA	2" Cast Iron Vandal Proof Hooded Vent Cap.....	323.25		18.44
22 13 16 00-0915	EA	3" Cast Iron Vandal Proof Hooded Vent Cap.....	370.11		23.96
22 13 16 00-0916	EA	4" Cast Iron Vandal Proof Hooded Vent Cap.....	416.27		27.64
22 13 16 00-0917	EA	5" Cast Iron Vandal Proof Hooded Vent Cap.....	486.29		31.33
22 13 16 00-0918	EA	6" Cast Iron Vandal Proof Hooded Vent Cap.....	530.96		35.02
22 13 19 Sanitary Waste Piping Specialties (22 13)					
22 13 19 13 Sanitary Drains (22 13 19)					
22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)					
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	582.93		79.25
		<i>For Sediment Bucket, Add</i>	22.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00		
		<i>For Vandal Proof Screws, Add</i>	11.00		
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	640.05		88.83
		<i>For Sediment Bucket, Add</i>	22.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00		
		<i>For Vandal Proof Screws, Add</i>	11.00		
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	621.05		98.27
		<i>For Sediment Bucket, Add</i>	22.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00		
		<i>For Vandal Proof Screws, Add</i>	11.00		
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	641.29		108.44
		<i>For Sediment Bucket, Add</i>	22.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00		
		<i>For Vandal Proof Screws, Add</i>	11.00		
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	582.54		88.83
		<i>For Ductile Iron Grate, Add</i>	48.00		
		<i>For Cast Iron Dome Grate, Add</i>	17.00		
		<i>For Nikaloy Dome Grate, Add</i>	178.50		
		<i>For Bronze Dome Grate, Add</i>	143.00		
		<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50		
		<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50		
		<i>For Vandal Proof Screws, Add</i>	30.50		
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	601.49		98.27
		<i>For Ductile Iron Grate, Add</i>	48.00		
		<i>For Cast Iron Dome Grate, Add</i>	17.00		
		<i>For Nikaloy Dome Grate, Add</i>	178.50		
		<i>For Bronze Dome Grate, Add</i>	143.00		
		<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50		
		<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50		
		<i>For Vandal Proof Screws, Add</i>	30.50		
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	621.73		108.44
		<i>For Ductile Iron Grate, Add</i>	48.00		
		<i>For Cast Iron Dome Grate, Add</i>	17.00		
		<i>For Nikaloy Dome Grate, Add</i>	178.50		
		<i>For Bronze Dome Grate, Add</i>	143.00		
		<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50		
		<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50		
		<i>For Vandal Proof Screws, Add</i>	30.50		
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet.....	985.49		88.83
		<i>For Ductile Iron Grate, Add</i>	48.00		
		<i>For Cast Iron Dome Grate, Add</i>	17.00		
		<i>For Nikaloy Dome Grate, Add</i>	178.50		
		<i>For Bronze Dome Grate, Add</i>	143.00		
		<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50		
		<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50		
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50		
		<i>For Vandal Proof Screws, Add</i>	30.50		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,004.44	98.27
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,024.68	108.44
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	926.81	88.83
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	945.65	98.27
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	966.00	108.44
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,020.61	88.76
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,039.54	98.27
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0017	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,059.89	108.44
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0018	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,623.07	88.76
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0019	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,642.00	98.27
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020	EA		Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,662.35	108.44
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,542.87	88.76
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,561.80	98.27
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,582.15	108.44
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Bronze Dome Grate, Add	218.50	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0024			Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	693.95	88.76
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	713.09	98.34
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	733.23	108.44
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	752.63	88.76
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	771.77	98.34
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	791.91	108.44
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,010.83	88.76
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,029.97	98.34
			For Sediment Bucket, Add	22.50	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Vandal Proof Screws, Add	11.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0033	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,050.11 22.50 105.00 11.00	108.44
22 13 19 13-0034	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	650.91 22.50 105.00 11.00	88.76
22 13 19 13-0035	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	670.05 22.50 105.00 11.00	98.34
22 13 19 13-0036	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	690.19 22.50 105.00 11.00	108.44
22 13 19 13-0037	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	725.24 22.50 105.00 11.00	88.76
22 13 19 13-0038	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	744.38 22.50 105.00 11.00	98.34
22 13 19 13-0039	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	764.52 22.50 105.00 11.00	108.44
22 13 19 13-0040	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	934.54 22.50 105.00 11.00	88.76
22 13 19 13-0041	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	953.68 22.50 105.00 11.00	98.34
22 13 19 13-0042	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	973.82 22.50 105.00 11.00	108.44
22 13 19 13-0043	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	2,463.75 318.00 76.00 48.50	98.34
22 13 19 13-0044	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	2,483.89 318.00 76.00 48.50	108.44
22 13 19 13-0045	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,101.42 318.00 76.00 48.50	98.34
22 13 19 13-0046	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,121.56 318.00 76.00 48.50	108.44
22 13 19 13-0047	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,025.14 318.00 76.00 48.50	98.34
22 13 19 13-0048	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,045.28 318.00 76.00 48.50	108.44
22 13 19 13-0049	EA			5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,026.48 120.94 22.50 11.00	88.76
22 13 19 13-0050	EA			5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,045.62 120.94 22.50 11.00	98.34
22 13 19 13-0051	EA			5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,065.76 120.94 22.50 11.00	108.44
22 13 19 13-0052	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,329.66 120.94 22.50 11.00	88.76
22 13 19 13-0053	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,348.80 120.94 22.50 11.00	98.34
22 13 19 13-0054	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,368.94 120.94 22.50 11.00	108.44

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,400.08 120.94 22.50 11.00	88.76
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,419.22 120.94 22.50 11.00	98.34
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,439.36 120.94 22.50 11.00	108.44
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,945.82 120.94 22.50 11.00	88.76
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,964.96 120.94 22.50 11.00	98.34
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,985.10 120.94 22.50 11.00	108.44
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	963.88 120.94 22.50 11.00	88.76
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	983.02 120.94 22.50 11.00	98.34
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,003.16 120.94 22.50 11.00	108.44
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,222.08 120.94 22.50 11.00	88.76
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,241.22 120.94 22.50 11.00	98.34
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,261.36 120.94 22.50 11.00	108.44
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,292.50 120.94 22.50 11.00	88.76
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,311.64 120.94 22.50 11.00	98.34
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,331.78 120.94 22.50 11.00	108.44
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,736.52 120.94 22.50 11.00	88.76
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,755.66 120.94 22.50 11.00	98.34
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,775.80 120.94 22.50 11.00	108.44
22 13 19 13-0073			Funnel Type Floor Drains (22 13 19 13)		
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	970.30 11.00 105.00 -19.50	79.25
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	989.31 11.00 105.00 -19.50	88.76
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,008.24 11.00 105.00 -19.50	98.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top..... For Vandal Proof Screws, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,028.59 11.00 105.00 -19.50	108.44
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,429.42 11.00 15.10 105.00 -19.50	88.76
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,448.35 11.00 15.10 105.00 -19.50	98.27
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,468.70 11.00 15.10 105.00 -19.50	108.44
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,353.14 11.00 15.10 105.00 -19.50	88.76
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,372.07 11.00 15.10 105.00 -19.50	98.27
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top..... For Vandal Proof Screws, Add For Primer Tap, Add For Galvanized Cast Iron Parts, Add For Satin Finish Bronze Top, Deduct	1,392.42 11.00 15.10 105.00 -19.50	108.44

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)

22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,089.09 247.00 33.50 30.50	79.25
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,108.17 247.00 33.50 30.50	88.76
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,127.10 247.00 33.50 30.50	98.27
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,147.45 247.00 33.50 30.50	108.44
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap..... For Galvanized Cast Iron Parts, Add For Primer Tap, Add For Vandal Proof Screws, Add	2,168.43 247.00 33.50 30.50	118.91
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,256.83 29.50 31.00 77.50 273.75	88.76
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,275.97 29.50 31.00 77.50 273.75	98.34
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,296.11 29.50 31.00 77.50 273.75	108.44
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	2,317.09 29.50 31.00 77.50 273.75	118.91
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate..... For Vandal Proof Screws, Add For Primer Tap, Add For Aluminum Bucket, Add For Galvanized Cast Iron Parts, Add	1,374.65 29.50 31.00 77.50 273.75	88.76

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,393.79	98.34
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,413.93	108.44
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,434.91	118.91
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,104.26	88.76
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,123.40	98.34
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,143.54	108.44
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,164.52	118.91
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	35.46	8.00
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer	39.56	8.00
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe	81.35	16.00
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	104.92	16.00
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	978.05	79.25
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	997.13	88.76
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,016.06	98.27
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain.....	196.87	53.45
22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain.....	207.93	58.97
22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	196.87	53.45
22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain.....	207.93	58.97
22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain	196.87	53.45
22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain	207.93	58.97
22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	196.87	53.45
22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain	207.93	58.97
22 13 19 13-0121	EA		1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	277.35	58.97
22 13 19 13-0122			Floor Receptor (22 13 19 13)		
22 13 19 13-0123			9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
			Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0124	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,202.64	88.83
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0125	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,221.87	98.41
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126	EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,241.80	108.44
	For Flange With Seepage Holes, Add	58.50	
	For Flange With Seepage Holes And Clamp Collar, Add	97.00	
	For Trap Primer Connection, Add	38.00	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Vandal Proof Secured Grate, Add	33.50	
	For White Acid Resistant Bucket, Add	47.00	
	For Stainless Steel Liner For Bucket, Add	62.50	

22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)

Note: With acid resistant coating.

22 13 19 13-0128	EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,426.06	79.25
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Flange With Seepage Holes, Add	37.50	
22 13 19 13-0129	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,445.16	88.83
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Flange With Seepage Holes, Add	37.50	
22 13 19 13-0130	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,464.00	98.27
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Flange With Seepage Holes, Add	37.50	
22 13 19 13-0131	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,484.35	108.44
	For Stainless Steel Liner For Bucket, Add	97.00	
	For White Acid Resistant Bucket, Add	88.00	
	For Vandal Proof Secured Grate, Add	15.50	
	For Full Grate With 2" Square Center Opening, Add	36.00	
	For Trap Primer Connection, Add	39.50	
	For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	For Flange With Seepage Holes, Add	37.50	

22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)

22 13 19 13-0133	EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	76.65	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	62.10	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	67.92	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	82.47	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	73.74	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	105.98	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	117.70	9.22
	Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	146.78	9.22
	Note: Prevents emission of sewer gases.		

22 13 19 26 Grease Removal Devices (22 13 19)

22 13 19 26-0001	Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small>	
	Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.	
22 13 19 26-0002	Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small>	
	Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	897.14	55.29
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,046.80	124.41
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,488.60	138.22
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,799.17	152.05
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	2,014.70	165.87
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	2,474.94	193.52
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	3,230.82	221.16
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	6,365.53	248.80
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	7,217.50	322.11
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	8,902.67	515.37
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	12,777.21	644.22
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	14,904.45	773.07
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A.	19,368.28	901.91
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	25,060.49	1,030.75
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	2,595.63	152.05
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	3,339.28	193.52
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	5,515.62	221.16
22 13 19 26-0021		Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	2,282.90	55.29
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,684.98	124.41
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,868.33	138.22
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	3,501.71	152.05
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	4,222.57	165.87
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	4,364.52	193.52
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	4,982.13	221.16
22 13 19 26-0030		Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	5,868.94	193.52
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,992.68	152.05
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	5,809.04	165.87
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	4,983.38	193.52
22 13 19 26-0036		Precast Concrete Grease Interceptor (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor.....	5,342.30	298.35
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor.....	6,127.32	298.35
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor.....	6,953.58	341.09
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor.....	7,880.33	481.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	8,835.84	648.09
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	13,294.46	852.68
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	16,961.94	1,398.25

22 13 19 26-0044 Coated Steel Manual Oil Interceptor (22 13 19 26)
 Note: Includes internal air relief, and flow control fitting.

22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,894.65	210.41
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,894.40	250.02
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,716.41	307.62
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,122.22	333.22
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,142.86	363.62
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,085.91	400.02
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,540.05	460.75
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,813.15	566.91
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	18,174.95	614.46
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,416.87	737.20
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,311.95	792.49
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	36,920.06	945.10
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	44,524.25	774.43
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	52,744.59	921.51

22 13 19 33 Backwater Valves (22 13 19)

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)

22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	307.37	21.15
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	315.48	26.61
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	454.90	35.38
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	1,225.04	51.09
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,498.51	67.23
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	4,325.31	82.94
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	4,901.10	107.58

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	761.32	50.40
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,158.97	61.19
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,433.92	78.89
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,018.17	92.81
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,794.80	109.98

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,062.08	79.84
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,101.58	106.15
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,066.46	137.46
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,090.36	153.25

22 13 19 36 Air-Admittance Valves (22 13 19)

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	127.40	10.32
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	151.75	10.32

22 13 23 Sanitary Waste Interceptors (22 13)

22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	884.07	104.39
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	885.18	104.39
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	1,245.82	104.39
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	1,245.82	104.39
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)	1,327.47	104.39
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.				

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0007			Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008	EA		1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel .....293.88	293.88	35.68
			<i>For Stainless Steel Bucket, Add</i> .....175.00	175.00	
22 13 23 00-0009	EA		2" Inlet Cast Iron Solid Interceptor, Painted Enamel .....298.44	298.44	38.01
			<i>For Stainless Steel Bucket, Add</i> .....175.00	175.00	
22 13 23 00-0010			Sediment Strainers (22 13 23)		
22 13 23 00-0011	EA		2" Strainer, Pump Suction Side.....115.36	115.36	48.44
22 13 29			Sanitary Sewerage Pumps (22 13)		
22 13 29 13			Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001			Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) (22 13 29 13)		
			Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
22 13 29 13-0002			1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0003	EA		1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,207.30	5,207.30	884.35
22 13 29 13-0004	EA		3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,418.65	5,418.65	884.35
22 13 29 13-0005	EA		1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,630.01	5,630.01	884.35
22 13 29 13-0006	EA		1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....5,831.60	5,831.60	884.35
22 13 29 13-0007			2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0008	EA		3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....5,792.59	5,792.59	884.35
22 13 29 13-0009	EA		1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....5,873.87	5,873.87	884.35
22 13 29 13-0010	EA		2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....5,930.78	5,930.78	884.35
22 13 29 13-0011	EA		3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....6,320.97	6,320.97	884.35
22 13 29 13-0012	EA		5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....6,703.03	6,703.03	884.35
22 13 29 13-0013	EA		7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....7,288.32	7,288.32	884.35
22 13 29 13-0014	EA		10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....7,873.61	7,873.61	884.35
22 13 29 13-0015	EA		15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....9,043.95	9,043.95	1,176.87
22 13 29 13-0016			3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)		
22 13 29 13-0017	EA		2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....6,199.90	6,199.90	884.35
22 13 29 13-0018	EA		3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....6,199.90	6,199.90	884.35
22 13 29 13-0019	EA		5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....6,340.74	6,340.74	884.35
22 13 29 13-0020	EA		7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....7,433.53	7,433.53	884.35
22 13 29 13-0021	EA		10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....7,625.23	7,625.23	884.35
22 13 29 13-0022	EA		15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....9,111.38	9,111.38	1,176.87
22 13 29 13-0023	EA		20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....9,599.12	9,599.12	1,176.87
22 13 29 13-0024			Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025	EA		2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....544.22	544.22	
22 13 29 13-0026	EA		3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....653.44	653.44	
22 13 29 13-0027	EA		4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....730.37	730.37	
22 13 29 13-0028	EA		5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....743.67	743.67	
22 13 29 13-0029	EA		6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....834.84	834.84	
22 13 29 13-0030			Float Switches (22 13 29 13-0001)		
			Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA		Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps .....489.13	489.13	
22 13 29 13-0032	EA		Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps .....513.82	513.82	
22 13 29 13-0033	EA		Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps .....525.22	525.22	
22 13 29 13-0034			Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035	EA		24" Steel Sump Covers, Square Or Round.....562.60	562.60	29.49
22 13 29 13-0036	EA		30" Steel Sump Covers, Square Or Round.....622.81	622.81	33.17
22 13 29 13-0037	EA		36" Steel Sump Covers, Square Or Round.....864.46	864.46	44.23
22 13 29 13-0038	EA		40" Steel Sump Covers, Square Or Round.....1,256.13	1,256.13	51.61
22 13 29 13-0039	EA		42" Steel Sump Covers, Square Or Round.....1,346.91	1,346.91	53.45
22 13 29 13-0040	EA		48" Steel Sump Covers, Square Or Round.....1,440.45	1,440.45	55.29
22 13 29 13-0041	EA		54" Steel Sump Covers, Square Or Round.....1,835.46	1,835.46	66.35
22 13 29 13-0042	EA		60" Steel Sump Covers, Square Or Round.....2,488.50	2,488.50	73.72
22 13 29 13-0043	EA		72" Steel Sump Covers, Square Or Round.....3,155.76	3,155.76	92.15
22 13 29 13-0044	EA		84" Steel Sump Covers, Square Or Round.....4,013.58	4,013.58	101.36
22 13 29 13-0045			Sludge Pumps (22 13 29 13)		
22 13 29 13-0046			Vortex Type Sludge Pumps (22 13 29 13-0045)		
			Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA		15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C) .....31,904.06	31,904.06	1,121.45
			<i>For Explosion Proof Motor, Add</i> .....375.00	375.00	
22 13 29 13-0048	EA		30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C) .....44,749.48	44,749.48	1,441.87
			<i>For Explosion Proof Motor, Add</i> .....750.00	750.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0049	EA			75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	57,489.39 1,125.00	2,202.85
22 13 29 13-0050	EA			20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	24,266.44 500.00	1,281.66
22 13 29 13-0051	EA			50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	38,742.71 1,250.00	1,762.28
22 13 29 13-0052	EA			Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal H12K	101,643.84	2,202.85
22 13 29 13-0053	EA			Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal 110K-M.....	126,397.87	2,202.85
22 13 29 13-0054 Polymer Feed Sludge Pumps <small>(22 13 29 13-0045)</small>						
Note: 230/460 volt						
22 13 29 13-0055	EA			115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)..... Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.	28,060.32 17,750.00	1,404.54
<i>For 75 HP Motor, Add</i>						
22 13 29 13-0056	EA			22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)..... Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.	20,639.39 2,676.00	441.95
<i>For 7-1/2 HP Motor, Add</i>						
22 13 29 13-0057	EA			12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)..... Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.	19,117.05	441.95
22 13 29 13-0058	EA			8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDA)..... Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.	12,291.29 2,676.00	441.95
<i>For 7-1/2 HP Motor, Add</i>						
22 13 29 13-0059 Centrifuge Pilot Pumps <small>(22 13 29 13-0045)</small>						
22 13 29 13-0060	EA			Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	64,701.87 15,864.00	1,321.71
<i>For 75 HP Motor, Add</i>						
22 13 29 13-0061	EA			620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	68,347.91 15,864.00	1,321.71
<i>For 75 HP Motor, Add</i>						
22 13 29 16 Submersible Sewerage Pumps <small>(22 13 29)</small>						
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller <small>(22 13 29 16)</small>						
22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller <small>(22 13 29 16-0001)</small>						
Note: Includes 25' cord.						
22 13 29 16-0003	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,000.86	53.60
22 13 29 16-0004	EA			1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,067.17	53.60
22 13 29 16-0005	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,046.77	53.60
22 13 29 16-0006	EA			1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,144.54	53.60
22 13 29 16-0007	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,144.54	53.60
22 13 29 16-0008	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,210.05	67.00
22 13 29 16-0009	EA			1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,296.77	67.00
22 13 29 16-0010	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,307.82	67.00
22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller <small>(22 13 29 16-0001)</small>						
Note: Includes 20' cord.						
22 13 29 16-0012	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,019.56	53.60
22 13 29 16-0013	EA			1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,114.78	53.60
22 13 29 16-0014	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,069.72	53.60
22 13 29 16-0015	EA			1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,161.55	53.60
22 13 29 16-0016	EA			1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,244.01	53.60
22 13 29 16-0017	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,157.34	67.00
22 13 29 16-0018	EA			1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,255.96	67.00
22 13 29 16-0019	EA			1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,255.11	67.00
22 13 29 16-0020	EA			1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,436.33	108.01
22 13 29 16-0021	EA			1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,519.65	108.01

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,534.11		108.01
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,535.89		132.01
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,631.11		132.01
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,633.66		132.01
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller <small>(22 13 29 16-0001)</small>			
		Note: Includes 20' cord.			
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,210.01		53.60
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,371.55		53.60
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,338.43		67.00
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,436.20		67.00
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,631.03		108.01
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,728.80		108.01
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,731.43		132.01
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,829.21		132.01
22 13 29 16-0035		Submersible Sewage Pumps With Semi-Open Impeller <small>(22 13 29 16)</small>			
		Note: Includes 25' of cord with pump.			
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,014.53		67.00
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,242.04		118.51
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,474.73		144.84
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,637.32		175.57
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,082.64		206.29
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,561.03		237.01
22 13 29 16-0042		Submersible Sewage Pumps, Explosion Proof <small>(22 13 29 16)</small>			
		Note: Includes 25' of cord with pump.			
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,231.69		240.16
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,821.79		240.16
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,821.79		240.16
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,470.35		320.20
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,060.46		320.20
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,060.46		320.20
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,793.57		400.25
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,383.67		400.25
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,383.67		400.25
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,037.34		480.31
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,627.45		480.31
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,627.45		480.31
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,662.86		560.36
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,252.96		560.36
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,252.96		560.36
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,887.87		640.41
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,887.87		640.41
22 13 29 16-0060		Submersible Sewage Pump Accessories <small>(22 13 29 16)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0061 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	491.73	61.88
22 13 29 16-0062 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	507.97	61.88
22 13 29 16-0063 EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,003.31	82.51
22 13 29 16-0064 EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	1,419.21	82.51
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	3,298.72	82.51
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	3,451.86	82.51
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,521.70	103.12
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,650.50	103.12
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,111.98	103.12
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,225.71	103.12
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,176.16	103.12
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,278.65	103.12
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included..	2,194.06	103.12
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	408.25	41.25
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	76.99	20.63
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	92.76	20.63
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	98.83	20.63
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	104.44	20.63
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats..... Note: Not for use with Intrinsically Safe Control Systems.	297.31	20.63
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	339.19	20.63
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	331.11	20.63
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	386.71	20.63
22 13 29 16-0083 EA Float Switch Tree..... Note: Tree only.	158.00	20.63
22 13 29 16-0084 EA Adjustable Weight For Float Switch	42.04	10.31
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	836.78	61.88
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	1,312.63	82.51
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	1,714.73	103.12
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge	1,885.88	61.88
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge	2,668.49	61.88
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	239.69	41.25
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	423.41	51.57
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	423.76	61.88
22 13 29 16-0093 EA 12' Stainless Steel Lifting Cable	118.15	20.63
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge	234.78	20.63
Note: Used for shallow systems where guide rails are not necessary.		

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001	EA	Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002	EA	High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	90.93	
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	116.67	
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	259.31	
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	362.26	
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	465.20	
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	540.56	
22 13 29 33-0009	EA	Fiberglass Basin (22 13 29 33-0001)		
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	301.66	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	623.17	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0012	EA		30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,126.23	
22 13 29 33-0013	EA		36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,519.64	
22 13 29 33-0014	EA		36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,752.25	
22 13 29 33-0015	EA		36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,850.53	
22 13 29 33-0016	EA		36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,175.84	
22 13 29 33-0017	EA		48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,527.54	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
 See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	733.34	122.89
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	794.78	147.44
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	856.21	184.30
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,157.82	221.16
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,188.54	245.71
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,420.95	258.02
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,962.17	267.24
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,189.42	122.89
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,282.72	147.44
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,406.19	184.30
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,957.63	221.16
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0015	EA			15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome.....	2,104.05	245.71
				<i>For Galvanized Iron Parts, Add</i>	518.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)						
22 14 26 13-0017	EA			14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top.....	1,638.20	122.89
				<i>For Galvanized Iron Parts, Add</i>	480.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0018	EA			14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top.....	1,699.64	147.44
				<i>For Galvanized Iron Parts, Add</i>	480.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0019	EA			14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top.....	1,761.07	184.30
				<i>For Galvanized Iron Parts, Add</i>	480.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0020	EA			14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top.....	2,049.27	221.16
				<i>For Galvanized Iron Parts, Add</i>	480.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0021	EA			14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top.....	2,079.99	245.71
				<i>For Galvanized Iron Parts, Add</i>	480.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)						
22 14 26 13-0023	EA			Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate.....	1,073.52	49.17
				<i>For Galvanized Iron Parts, Add</i>	128.00	
				<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0024	EA			Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate.....	1,098.10	61.41
				<i>For Galvanized Iron Parts, Add</i>	128.00	
				<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0025	EA			Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate.....	1,109.27	67.01
				<i>For Galvanized Iron Parts, Add</i>	128.00	
				<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0026	EA			Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate.....	1,563.40	88.83
				<i>For Galvanized Iron Parts, Add</i>	258.00	
				<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0027	EA			Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate.....	1,602.59	108.44
				<i>For Galvanized Iron Parts, Add</i>	258.00	
				<i>For Vandal Proof Grate, Add</i>	33.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)						
22 14 26 13-0029	EA			9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	810.42	122.89
				<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
				<i>For Deck Clamp Assembly, Add</i>	80.40	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0030	EA			9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	871.86	147.44
				<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
				<i>For Deck Clamp Assembly, Add</i>	80.40	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0031	EA			9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	933.29	184.30
				<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
				<i>For Deck Clamp Assembly, Add</i>	80.40	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)						
22 14 26 13-0033	EA			15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	877.45	122.89
				<i>For Galvanized Iron Parts, Add</i>	518.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0034	EA			15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	938.89	147.44
				<i>For Galvanized Iron Parts, Add</i>	518.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0035	EA			15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	1,000.32	184.30
				<i>For Galvanized Iron Parts, Add</i>	518.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0036	EA			15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	1,301.93	221.16
				<i>For Galvanized Iron Parts, Add</i>	518.00	
				<i>For Deck Clamp Assembly, Add</i>	130.00	
				<i>For Drain Receiver, Add</i>	147.00	
				<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 13-0037	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,332.65 518.00 130.00 147.00 357.00	245.71
22 14 26 13-0038	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,565.06 518.00 130.00 147.00 357.00	258.02
22 14 26 13-0039	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,106.28 518.00 130.00 147.00 357.00	267.24
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)			
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)			
22 14 26 13-0042	EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	902.58 518.00 130.00 147.00 357.00	122.89
22 14 26 13-0043	EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	964.02 518.00 130.00 147.00 357.00	147.44
22 14 26 13-0044	EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,025.45 518.00 130.00 147.00 357.00	184.30
22 14 26 13-0045	EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,357.78 518.00 130.00 147.00 357.00	245.49
22 14 26 13-0046	EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,590.34 518.00 130.00 147.00 357.00	258.02
22 14 26 13-0047	EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,131.41 518.00 130.00 147.00 357.00	267.24
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)			
22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)			
22 14 26 13-0050	EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	576.87	147.44
22 14 26 13-0051	EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	648.67	184.30
22 14 26 13-0052	EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	782.31	221.16
22 14 26 13-0053	EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	854.53	245.49
22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)			
22 14 26 13-0055	EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome.....	670.23	147.44
22 14 26 13-0056	EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome.....	737.88	184.30
22 14 26 13-0057	EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome.....	877.74	221.16
22 14 26 13-0058	EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome.....	920.91	245.49
22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)			
22 14 26 13-0060	EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	581.02 -24.00	147.44
22 14 26 13-0061	EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	652.82 -24.00	184.30
22 14 26 13-0062	EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	786.46 -24.00	221.16
22 14 26 13-0063	EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome..... <i>For Copolymer Strainer Dome, Deduct</i>	825.48 -24.00	245.49
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)			
22 14 26 13-0065	EA 2" Outlet, Bronze Roof Drain Downspout Nozzle.....	350.37	73.72
22 14 26 13-0066	EA 3" Outlet, Bronze Roof Drain Downspout Nozzle.....	350.37	73.72
22 14 26 13-0067	EA 4" Outlet, Bronze Roof Drain Downspout Nozzle.....	350.37	73.72
22 14 26 13-0068	EA 5" Outlet, Bronze Roof Drain Downspout Nozzle.....	549.68	92.15
22 14 26 13-0069	EA 6" Outlet, Bronze Roof Drain Downspout Nozzle.....	549.68	92.15
22 14 26 13-0070	EA 8" Outlet, Bronze Roof Drain Downspout Nozzle.....	719.78	92.15

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 16 Facility Area Drains (22 14 26)

22 14 26 16-0001 Area Drain (22 14 26 16)

22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,256.83	88.76
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,275.97	98.34
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,296.11	108.44
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,317.09	118.91
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,374.65	88.76
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,393.79	98.34
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,413.93	108.44
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,434.91	118.91
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,104.26	88.76
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,123.40	98.34
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,143.54	108.44
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,164.52	118.91
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Vandal Proof Screws, Add</i>	29.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,588.44	88.76
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,607.58	98.34
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,627.72	108.44
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,648.70	118.91
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,221.62	88.76
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,240.76	98.34
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,260.90	108.44
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,281.88	118.91
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,347.85	88.76
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,366.99	98.34
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,387.13	108.44
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,408.11	118.91
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	985.40	88.76
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,004.54	98.34
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,024.68	108.44
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	582.45	88.76
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	601.59	98.34
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	621.73	108.44
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	926.72	88.76
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	945.86	98.34
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	966.00	108.44
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,045.12	88.76
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,064.26	98.34
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,084.40	108.44
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,967.34	88.76
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	1,986.48	98.34
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,006.62	108.44
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,857.34	88.76
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,876.48	98.34
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,896.62	108.44
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001	Trench Drain (22 14 26 19)				
	Note: Each section is 39.4" in length.				
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	890.68	88.76
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	909.82	98.34
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	929.96	108.44
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	522.38	88.76
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	541.52	98.34
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	561.66	108.44
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	840.49	88.76
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	859.63	98.34
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	879.77	108.44
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	801.54	44.23
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 19-0012	EA 6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	433.24	44.23
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	66.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA 6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	751.35	44.23
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	66.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,441.91	88.76
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,461.05	98.34
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,481.19	108.44
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	986.19	88.76
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,005.33	98.34
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,025.47	108.44
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,379.58	88.76
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,398.72	98.34
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,418.86	108.44
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,199.08	88.76
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 19-0024	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,218.22	98.34
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,238.36	108.44
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
				<i>For Sediment Bucket, Add</i>	116.00	
				<i>For Galvanized Sediment Bucket, Add</i>	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA			12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,352.76	44.23
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA			12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	897.04	44.23
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA			12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,290.43	44.23
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0029	EA			12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,109.93	44.23
				<i>For Vandal Proof Screws, Add</i>	48.50	
				<i>For Ductile Iron Grate, Add</i>	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22 14 29 Sump Pumps (22 14)
 See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)
 Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA			1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	5,535.50	213.96
				<i>For Explosion Proof Motor, Add</i>	250.06	
22 14 29 13-0003	EA			1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	5,811.86	258.96
				<i>For Explosion Proof Motor, Add</i>	277.99	
22 14 29 13-0004	EA			2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	6,624.07	307.66
				<i>For Explosion Proof Motor, Add</i>	359.13	
22 14 29 13-0005	EA			3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	7,004.31	378.48
				<i>For Explosion Proof Motor, Add</i>	407.01	
22 14 29 13-0006	EA			5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	7,382.03	410.21
				<i>For Explosion Proof Motor, Add</i>	594.55	
22 14 29 13-0007	EA			10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	8,746.59	492.10
				<i>For Explosion Proof Motor, Add</i>	674.36	
22 14 29 13-0008	EA			15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	10,363.66	525.01
				<i>For Explosion Proof Motor, Add</i>	1,105.31	
22 14 29 13-0009	EA			20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	12,529.42	661.51
				<i>For Explosion Proof Motor, Add</i>	1,467.10	
22 14 29 13-0010	EA			30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	13,464.86	771.49
				<i>For Explosion Proof Motor, Add</i>	1,902.04	
22 14 29 13-0011	EA			50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	18,201.26	926.12
				<i>For Explosion Proof Motor, Add</i>	2,477.98	
22 14 29 13-0012	EA			60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	25,509.90	1,028.65
				<i>For Explosion Proof Motor, Add</i>	3,927.79	

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA			1-1/2" Diameter x 5' Long Extra Column Assembly	911.91	
22 14 29 13-0015	EA			2" Diameter x 5' Long Extra Column Assembly	997.85	
22 14 29 13-0016	EA			2-1/2" Diameter x 5' Long Extra Column Assembly	1,091.88	
22 14 29 13-0017	EA			3" Diameter x 5' Long Extra Column Assembly	1,311.02	
22 14 29 13-0018	EA			4" Diameter x 5' Long Extra Column Assembly	1,465.37	
22 14 29 13-0019	EA			5" Diameter x 5' Long Extra Column Assembly	1,492.04	
22 14 29 13-0020	EA			6" Diameter x 5' Long Extra Column Assembly	1,674.98	
22 14 29 13-0021	EA			8" Diameter x 5' Long Extra Column Assembly	1,832.81	

22 14 29 13-0022 Support Plate (22 14 29 13)

22 14 29 13-0023	EA			24" Steel Support Plate, Round Or Square	562.60	29.49
22 14 29 13-0024	EA			30" Steel Support Plate, Round Or Square	622.81	33.17
22 14 29 13-0025	EA			36" Steel Support Plate, Round Or Square	864.46	44.23
22 14 29 13-0026	EA			40" Steel Support Plate, Round Or Square	1,256.13	51.61
22 14 29 13-0027	EA			42" Steel Support Plate, Round Or Square	1,346.91	53.45
22 14 29 13-0028	EA			48" Steel Support Plate, Round Or Square	1,440.38	55.29
22 14 29 13-0029	EA			54" Steel Support Plate, Round Or Square	1,835.46	66.35

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square.....		2,488.50	73.72
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square.....		3,323.17	92.15
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square.....		4,013.58	101.36
22 14 29 16 Submersible Sump Pumps (22 14 29)					
22 14 29 16-0001		Submersible Sump Pump With Vortex Impeller (22 14 29 16)			
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)			
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....		349.70	48.01
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....		388.38	48.01
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....		614.82	50.80
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....		676.02	50.80
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)			
Note: Includes 20' of cord with pump.					
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,041.51	50.80
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,133.73	50.80
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,190.53	56.00
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,289.13	56.00
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,325.88	64.00
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,422.77	64.00
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,423.33	76.00
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....		1,507.48	76.00
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)			
Note: Includes 20' of cord with pump.					
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		864.73	48.01
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		893.22	48.01
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,117.59	50.80
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,137.61	50.80
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,366.60	53.60
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,366.60	53.60
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,445.44	56.00
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,445.44	56.00
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,649.62	64.00
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,649.62	64.00
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,918.79	76.00
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....		1,884.14	76.00
22 14 29 19		Sump-Pump Basins and Pits (22 14 29)			
See CSI section 22 13 29 33-0000 for basins and pits.					
22 15		General Service Compressed-Air Systems (22 10)			
22 15 13		General Service Compressed-Air Piping (22 15)			
22 15 13 00-0001		Quick Disconnect, Air-Service (22 15 13)			
22 15 13 00-0002		Combination Steel And Brass (22 15 13 00-0001)			
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....		39.21	11.20
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....		43.83	13.60
22 15 13 00-0005		Refrigerated Air Dryers With Ambient Air Filters (22 15 13)			
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....		611.33	65.81
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....		697.17	67.64
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....		892.65	69.47
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....		1,041.18	73.12
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....		1,158.08	82.26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0011 EA 20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,285.27	93.60
22 15 13 00-0012 EA 30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,824.67	118.82
22 15 13 00-0013 EA 40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,050.93	138.94
22 15 13 00-0014 EA 50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,230.34	148.44
22 15 13 00-0015 EA 60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,423.17	164.52
22 15 13 00-0016 EA 75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,729.72	182.80
22 15 13 00-0017 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,039.01	201.09
22 15 13 00-0018 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,195.96	223.02
22 15 13 00-0019 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,732.97	237.65
22 15 13 00-0020 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,507.76	246.79
22 15 13 00-0021 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,333.27	255.93
22 15 13 00-0022 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,932.09	265.07
22 15 13 00-0023 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,463.50	274.21
22 15 13 00-0024 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,227.79	292.49
22 15 13 00-0025 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,440.27	365.61
22 15 13 00-0026 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,680.64	438.73
22 15 13 00-0027 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,893.14	511.85
22 15 13 00-0028 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	13,997.82	584.98
22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)		
22 15 13 00-0030 EA 0-60 SCFM Oil/Water Separator.....	577.67	25.62
22 15 13 00-0031 EA 85 SCFM Oil/Water Separator.....	775.44	30.01
22 15 13 00-0032 EA 190 SCFM Oil/Water Separator.....	906.79	34.03
22 15 13 00-0033 EA 245 SCFM Oil/Water Separator.....	1,139.45	40.03
22 15 13 00-0034 EA 320 SCFM Oil/Water Separator.....	1,354.19	48.03
22 15 13 00-0035 EA 700 SCFM Oil/Water Separator.....	2,728.70	100.07
22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)		
22 15 13 00-0037 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	94.58	21.93
22 15 13 00-0038 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	132.51	29.25
22 15 13 00-0039 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	230.45	36.56
22 15 13 00-0040 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	286.20	54.84
22 15 13 00-0041 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	403.90	63.98
22 15 13 00-0042 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	422.18	73.12
22 15 13 00-0043 Heatless Desiccant Air Dryers (22 15 13)		
22 15 13 00-0044 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,245.89	65.81
22 15 13 00-0045 EA 10 SCFM Heatless Desiccant Air Dryer.....	2,702.22	73.12
22 15 13 00-0046 EA 15 SCFM Heatless Desiccant Air Dryer.....	2,726.45	80.43
22 15 13 00-0047 EA 20 SCFM Heatless Desiccant Air Dryer.....	3,114.35	91.40
22 15 13 00-0048 EA 30 SCFM Heatless Desiccant Air Dryer.....	4,295.24	109.68
22 15 13 00-0049 EA 50 SCFM Heatless Desiccant Air Dryer.....	4,229.94	146.24
22 15 13 00-0050 EA 85 SCFM Heatless Desiccant Air Dryer.....	5,685.89	182.80
22 15 13 00-0051 EA 100 SCFM Heatless Desiccant Air Dryer.....	6,025.98	219.37
22 15 13 00-0052 EA 125 SCFM Heatless Desiccant Air Dryer.....	6,897.28	255.93
22 15 13 00-0053 EA 175 SCFM Heatless Desiccant Air Dryer.....	7,920.58	292.49
22 15 13 00-0054 EA 200 SCFM Heatless Desiccant Air Dryer.....	8,506.95	329.05
22 15 13 00-0055 EA 300 SCFM Heatless Desiccant Air Dryer.....	10,413.79	365.61
22 15 13 00-0056 EA 400 SCFM Heatless Desiccant Air Dryer.....	11,557.76	438.73
22 15 13 00-0057 EA 500 SCFM Heatless Desiccant Air Dryer.....	13,356.83	511.85
22 15 13 00-0058 EA 600 SCFM Heatless Desiccant Air Dryer.....	15,413.55	584.98
22 15 13 00-0059 Air Cooled Aftercoolers (22 15 13)		
22 15 13 00-0060 EA 20 SCFM Air-Cooled Aftercooler.....	557.39	45.70
22 15 13 00-0061 EA 35 SCFM Air-Cooled Aftercooler.....	755.19	54.84
22 15 13 00-0062 EA 43 SCFM Air-Cooled Aftercooler.....	828.29	63.98
22 15 13 00-0063 EA 70 SCFM Air-Cooled Aftercooler.....	1,013.77	73.12
22 15 13 00-0064 EA 125 SCFM Air-Cooled Aftercooler.....	1,418.52	82.26
22 15 13 00-0065 EA 185 SCFM Air-Cooled Aftercooler.....	1,593.04	91.40
22 15 13 00-0066 EA 260 SCFM Air-Cooled Aftercooler.....	3,106.19	109.68
22 15 13 00-0067 EA 365 SCFM Air-Cooled Aftercooler.....	3,243.07	127.96
22 15 13 00-0068 EA 560 SCFM Air-Cooled Aftercooler.....	3,378.86	146.24
22 15 13 00-0069 EA 650 SCFM Air-Cooled Aftercooler.....	3,964.71	164.52
22 15 13 00-0070 EA 750 SCFM Air-Cooled Aftercooler.....	4,333.48	182.80
22 15 13 00-0071 EA 900 SCFM Air-Cooled Aftercooler.....	4,971.97	201.09
22 15 13 00-0072 EA 1,100 SCFM Air-Cooled Aftercooler.....	6,395.47	219.37
22 15 13 00-0073 EA 1,460 SCFM Air-Cooled Aftercooler.....	7,319.57	237.65
22 15 13 00-0074 EA 1,800 SCFM Air-Cooled Aftercooler.....	7,554.85	255.93
22 15 13 00-0075 EA 2,500 SCFM Air-Cooled Aftercooler.....	8,101.25	274.21
22 15 13 00-0076 Compressed Air Coalescing Filters (22 15 13)		
22 15 13 00-0077 Coalescing Filters, 1, 2 And 3 Stage Type (22 15 13 00-0076)		
22 15 13 00-0078 EA Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX.....	181.19	29.49
22 15 13 00-0079 EA Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX.....	139.02	29.49
22 15 13 00-0080 EA Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX.....	211.82	29.49
22 15 13 00-0081 EA Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX.....	159.09	29.49
22 15 13 00-0082 EA Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX.....	181.19	29.49
22 15 13 00-0083 EA Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX.....	139.02	29.49
22 15 13 00-0084 EA Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX.....	369.42	29.49

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 15 13 00-0085	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX.....	369.42	29.49
22 15 13 00-0086	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI.....	369.42	29.49
22 15 13 00-0087	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX.....	369.42	29.49
22 15 13 00-0088	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX.....	369.42	29.49
22 15 13 00-0089	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI.....	369.42	29.49
22 15 13 00-0090	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX.....	401.01	36.86
22 15 13 00-0091	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX.....	401.01	36.86
22 15 13 00-0092	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI.....	495.32	36.86
22 15 13 00-0093	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX.....	1,237.14	47.92
22 15 13 00-0094	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX.....	1,237.14	47.92
22 15 13 00-0095	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI.....	904.97	47.92
22 15 13 00-0096	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX.....	1,237.14	47.92
22 15 13 00-0097	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX.....	1,237.14	47.92
22 15 13 00-0098	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI.....	904.97	47.92
22 15 13 00-0099	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX.....	1,237.14	47.92
22 15 13 00-0100	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX.....	1,237.14	47.92
22 15 13 00-0101	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI.....	904.97	47.92
22 15 13 00-0102	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX.....	1,660.16	47.92
22 15 13 00-0103	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX.....	1,660.16	47.92
22 15 13 00-0104	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI.....	1,203.07	47.92
22 15 13 00-0105	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX.....	2,815.05	58.97
22 15 13 00-0106	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX.....	2,815.05	58.97
22 15 13 00-0107	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI.....	2,269.95	58.97
22 15 13 00-0108	EA	Coalescing Filters, AKCU-0280, 3", DX.....	5,490.25	88.47
22 15 13 00-0109	EA	Coalescing Filters, AKCU-0280, 3", BX.....	7,351.31	88.47
22 15 13 00-0110	EA	Coalescing Filters, AKCU-0280, 3", CI.....	11,638.81	88.47
22 15 13 00-0111	EA	Coalescing Filters, AKC-0280, 3", DX.....	5,556.64	121.64
22 15 13 00-0112	EA	Coalescing Filters, AKC-0280, 3", BX.....	7,417.70	121.64
22 15 13 00-0113	EA	Coalescing Filters, AKC-0280, 3", CI.....	11,705.20	121.64
22 15 13 00-0114	EA	Coalescing Filters, AKH-0280, 3", DX.....	5,608.21	147.44
22 15 13 00-0115	EA	Coalescing Filters, AKH-0280, 3", BX.....	7,469.27	147.44
22 15 13 00-0116	EA	Coalescing Filters, AKH-0280, 3", CI.....	11,756.77	147.44
22 15 13 00-0117	EA	Coalescing Filters, AKC-0480, 4", DX.....	9,901.77	187.91
22 15 13 00-0118	EA	Coalescing Filters, AKC-0480, 4", BX.....	15,005.22	187.91
22 15 13 00-0119	EA	Coalescing Filters, AKC-0480, 4", CI.....	15,290.06	187.91
22 15 13 00-0120	EA	Coalescing Filters, AKH-0480, 4", DX.....	9,960.75	217.47
22 15 13 00-0121	EA	Coalescing Filters, AKH-0480, 4", BX.....	15,064.20	217.47
22 15 13 00-0122	EA	Coalescing Filters, AKH-0480, 4", CI.....	15,349.04	217.47
22 15 13 00-0123	EA	Coalescing Filters, AKC-0880, 6", DX.....	15,946.99	235.83
22 15 13 00-0124	EA	Coalescing Filters, AKC-0880, 6", BX.....	20,298.74	235.83
22 15 13 00-0125	EA	Coalescing Filters, AKC-0880, 6", CI.....	21,206.78	235.83
22 15 13 00-0126	EA	Coalescing Filters, AKH-0880, 6", DX.....	16,005.94	265.32
22 15 13 00-0127	EA	Coalescing Filters, AKH-0880, 6", BX.....	20,357.69	265.32
22 15 13 00-0128	EA	Coalescing Filters, AKH-0880, 6", CI.....	21,265.73	265.32
22 15 13 00-0129	EA	Coalescing Filters, AKC-1480, 8", DX.....	25,483.89	313.09
22 15 13 00-0130	EA	Coalescing Filters, AKC-1480, 8", BX.....	39,320.82	313.09
22 15 13 00-0131	EA	Coalescing Filters, AKC-1480, 8", CI.....	40,618.64	313.09
22 15 13 00-0132	EA	Coalescing Filters, AKH-1480, 8", DX.....	25,513.53	327.91
22 15 13 00-0133	EA	Coalescing Filters, AKH-1480, 8", BX.....	39,350.46	327.91
22 15 13 00-0134	EA	Coalescing Filters, AKH-1480, 8", CI.....	40,648.28	327.91
22 15 13 00-0135	EA	Coalescing Filters, AKC-2280, 10", DX.....	34,883.78	387.18
22 15 13 00-0136	EA	Coalescing Filters, AKC-2280, 10", BX.....	51,072.20	387.18
22 15 13 00-0137	EA	Coalescing Filters, AKC-2280, 10", CI.....	53,436.54	387.18
22 15 13 00-0138	EA	Coalescing Filters, AKH-2280, 10", DX.....	34,978.75	434.65
22 15 13 00-0139	EA	Coalescing Filters, AKH-2280, 10", BX.....	51,167.17	434.65
22 15 13 00-0140	EA	Coalescing Filters, AKH-2280, 10", CI.....	53,531.51	434.65

22 15 13 00-0141 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)

22 15 13 00-0142	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	189.09	26.01
22 15 13 00-0143	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	227.46	26.01
22 15 13 00-0144	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	247.80	30.01
22 15 13 00-0145	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	285.38	34.42
22 15 13 00-0146	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	333.70	38.03
22 15 13 00-0147	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	377.11	46.03
22 15 13 00-0148	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	469.28	50.03
22 15 13 00-0149	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	492.86	60.04
22 15 13 00-0150	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	631.56	80.05
22 15 13 00-0151	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	722.84	90.05

22 15 13 00-0152 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)

22 15 13 00-0153	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	232.95	26.01
22 15 13 00-0154	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	251.90	30.01
22 15 13 00-0155	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	289.22	34.42
22 15 13 00-0156	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	341.38	34.03
22 15 13 00-0157	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	385.89	46.03
22 15 13 00-0158	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	438.58	50.03
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	502.72	60.04
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	648.01	80.05
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	744.77	90.05

22 15 13 00-0162 Compressed Air Storage Tanks (22 15 13)

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0163		Horizontal Compressed Air Storage Tanks <small>(22 15 13 00-0162)</small>		
22 15 13 00-0164	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	308.86	58.50
22 15 13 00-0165	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	512.62	63.98
22 15 13 00-0166	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	543.24	67.27
22 15 13 00-0167	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	620.09	73.12
22 15 13 00-0168	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	808.79	98.71
22 15 13 00-0169	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	978.33	109.68
22 15 13 00-0170	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,475.05	127.96
22 15 13 00-0171	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,208.80	146.24
22 15 13 00-0172	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,464.13	155.38
22 15 13 00-0173	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,574.58	164.52
22 15 13 00-0174	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,714.62	191.95
22 15 13 00-0175	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	6,791.81	228.51

22 15 13 00-0176		Vertical Compressed Air Storage Tanks <small>(22 15 13 00-0162)</small>		
22 15 13 00-0177	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	477.61	58.50
22 15 13 00-0178	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	500.60	63.98
22 15 13 00-0179	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	543.24	67.27
22 15 13 00-0180	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	643.89	73.12
22 15 13 00-0181	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	880.19	98.71
22 15 13 00-0182	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,012.72	109.68
22 15 13 00-0183	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	1,400.28	127.96
22 15 13 00-0184	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	2,054.70	146.24
22 15 13 00-0185	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	2,267.71	155.38
22 15 13 00-0186	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	3,093.77	164.52
22 15 13 00-0187	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	3,968.40	191.95
22 15 13 00-0188	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	5,182.97	210.23
22 15 13 00-0189	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	8,637.21	237.65

22 15 19 General Service Packaged Air Compressors and Receivers (22 15)
 Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001		Single Stage Compressor <small>(22 15 19 13)</small>		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.				
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,459.67	259.44
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,560.45	299.43
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,917.92	353.62
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,328.50	390.18
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,093.16	412.11
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,377.90	426.74
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,913.32	487.72
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	5,272.08	516.97
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,337.21	585.26

22 15 19 13-0011		Two Stage Compressor <small>(22 15 19 13)</small>		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.				
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	4,716.34	455.99
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	5,047.57	536.49
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	5,267.89	585.26
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	5,977.61	780.35
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	6,464.69	780.35
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	6,895.10	975.44
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	7,336.87	975.44
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	9,417.46	1,206.50
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	10,088.89	1,243.06
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	10,902.52	1,452.77
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	16,618.14	1,644.51
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	17,820.50	1,858.23
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	19,869.39	2,053.76
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	21,610.04	2,250.83

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001		Rotary Screw Air Compressor, Base Mounted Without Receiver <small>(22 15 19 19)</small>		
Note: Oil flooded.				
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	8,069.75	638.81
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	8,945.02	851.74
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,480.88	1,067.89
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,214.01	1,360.88
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,113.25	1,601.03
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,394.47	1,801.16
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,141.93	2,001.29
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,311.24	2,241.44
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,751.17	2,401.55
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,076.24	2,588.07
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	39,366.36	2,801.81
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	43,743.30	2,961.91

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	70,883.27	3,202.07
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	88,668.85	3,462.23
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	103,131.17	3,726.40
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	134,571.78	4,002.58
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	153,018.23	4,258.75
22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver <small>(22 15 19 19)</small> Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	10,048.31	851.74
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	10,700.78	851.74
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	11,999.67	1,067.89
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	12,713.31	1,067.89
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	13,499.46	1,360.88
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,253.87	1,360.88
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,348.86	1,601.03
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,164.44	1,601.03
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	26,985.24	1,801.16
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	29,038.55	2,001.29
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	30,887.98	2,241.44

22 30 Plumbing Equipment (22)**22 31 Domestic Water Softeners** (22 30)**22 31 16 Commercial Domestic Water Softeners** (22 31)22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	3,534.84	202.73
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	3,694.82	211.94
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,991.79	221.16
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	4,606.87	230.38
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	4,912.97	239.59

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0003)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	5,335.78	221.16
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	5,612.96	230.38
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	5,920.58	239.59
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	7,053.17	248.80
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	7,849.37	258.02
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	9,580.13	267.24

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0003)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	8,154.81	230.38
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	8,451.78	239.59
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	9,587.41	248.80
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	10,383.62	258.02
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	12,208.75	267.24
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	16,140.42	276.45
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	18,900.10	285.66
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small>		
<i>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</i>		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	19,855.63	267.24
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	22,954.73	276.45
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	25,677.87	285.66
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	32,361.45	294.88
22 31 16 00-0029 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	35,844.11	304.10
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
<i>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</i>		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	13,400.41	345.57
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	13,995.79	359.38
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	15,954.94	373.21
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	17,454.44	387.03
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	21,342.04	400.85
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	28,331.63	414.68
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	33,376.03	428.50
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
<i>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</i>		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	36,507.95	400.85
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	41,963.29	414.68
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	47,176.63	428.50
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	60,079.47	442.32
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	67,097.98	456.15
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0045)</small>		
<i>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</i>		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	4,629.50	304.10
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	4,940.25	317.92
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	5,395.60	331.74
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	6,500.87	345.57
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	7,201.27	359.38

22 Plumbing
22 30 Plumbing Equipment
22 31 Domestic Water Softeners

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 31 16 00-0052	1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0053	EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	9,190.12	331.74
22 31 16 00-0054	EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	9,692.65	345.57
22 31 16 00-0055	EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	10,438.71	359.38
22 31 16 00-0056	EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	11,967.12	373.21
22 31 16 00-0057	EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	13,518.36	387.03
22 31 16 00-0058	EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	16,966.09	400.85

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001	Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,820.29	130.08
22 32 16 00-0005	EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,854.01	140.09
22 32 16 00-0006	EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	1,972.95	150.09
22 32 16 00-0007	EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	2,186.26	160.11
22 32 16 00-0008	EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	2,250.41	170.11
22 32 16 00-0009	EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,736.18	180.12
22 32 16 00-0010	EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	7,788.15	190.12
22 32 16 00-0011	EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	9,066.92	200.13
22 32 16 00-0012	EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	11,525.29	210.13
22 32 16 00-0013	EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	12,788.83	220.15

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)

22 32 16 00-0015	(Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016	EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	8.91	1.60
22 32 16 00-0017	EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	8.91	1.60
22 32 16 00-0018	EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	8.91	1.60
22 32 16 00-0019	EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.39	1.60
22 32 16 00-0020	EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	9.29	1.60
22 32 16 00-0021	EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	9.29	1.60
22 32 16 00-0022	EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	10.05	1.60
22 32 16 00-0023	EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	12.71	1.60
22 32 16 00-0024	EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	10.05	1.60
22 32 16 00-0025	EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	11.95	1.60
22 32 16 00-0026	EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	11.95	1.60
22 32 16 00-0027	EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	11.95	1.60
22 32 16 00-0028	EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	13.09	1.60
22 32 16 00-0029	EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	17.28	1.60
22 32 16 00-0030	EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	15.76	1.60
22 32 16 00-0031	EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	15.76	1.60
22 32 16 00-0032	EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	17.28	1.60

22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)

22 32 16 00-0034	EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	16.14	1.60
22 32 16 00-0035	EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	16.14	1.60
22 32 16 00-0036	EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	16.52	1.60
22 32 16 00-0037	EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	17.66	1.60
22 32 16 00-0038	EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	26.79	1.60
22 32 16 00-0039	EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	25.65	1.60
22 32 16 00-0040	EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	25.65	1.60
22 32 16 00-0041	EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	25.65	1.60
22 32 16 00-0042	EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	34.02	1.60
22 32 16 00-0043	EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	48.48	1.60
22 32 16 00-0044	EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	40.49	1.60
22 32 16 00-0045	EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	56.47	1.60
22 32 16 00-0046	EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	58.76	1.60
22 32 16 00-0047	EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	66.37	1.60

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,428.14	120.08
22 32 16 00-0051		Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052		Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	477.32	1.60
22 32 16 00-0054		(Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	98.71	1.60
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	97.95	1.60
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	97.95	1.60
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	112.41	1.60
22 32 16 00-0059		Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	261.95	1.60
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	245.97	1.60
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	268.04	1.60
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	280.98	1.60
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	299.24	1.60
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	324.36	1.60

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	322.29	40.01
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	421.80	40.01

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
		Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	429.46	60.00
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	530.55	80.00
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	897.92	140.01
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,370.17	160.01
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	861.33	80.00
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	1,179.17	120.01
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	1,305.12	160.01
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,353.76	160.01
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,399.71	160.01
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,467.27	160.01

22 33 30 Residential, Electric Domestic Water Heaters (22 33)

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)

22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 13)		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	608.69	126.01
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	743.59	134.01
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	874.52	140.01

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)			
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	932.64		140.01
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	879.54		144.01
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	866.73		148.01
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	964.75		150.01
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,390.07		154.00
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,416.93		160.01
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	1,877.14		170.01
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)			
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	999.38		140.01
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	953.87		144.01
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,009.43		148.01
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)			
		Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,031.83		144.01
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,125.37		148.01
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,379.59		154.00
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,498.61		160.01
22 33 30 16-0018		Water Heater Accessories (22 33 30 16)			
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	78.50		8.00
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	92.45		8.00
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	178.60		8.00
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	239.23		8.00
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	51.86		6.00
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	56.66		6.00
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	59.86		6.00
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	71.07		6.00
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	27.77		6.00
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	30.33		6.00
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	33.93		6.00
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	38.56		6.00
22 33 33		Light-Commercial Electric Domestic Water Heaters (22 33)			
22 33 33 00-0001		Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)			
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.			
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,692.98		140.01
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	4,878.79		140.01
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	5,080.09		140.01
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	5,120.09		160.01
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,352.36		160.01
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,723.98		160.01
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	5,971.73		160.01
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,173.03		160.01
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,389.81		160.01
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,584.62		160.01
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	5,801.40		160.01
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	6,049.15		160.01
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,250.45		160.01
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,467.23		160.01
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	8,062.12		160.01
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	6,082.70		200.01
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,284.00		200.01
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,531.75		200.01
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	6,748.53		200.01
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,358.90		200.01
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	9,102.15		200.01
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	9,829.91		200.01
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	7,029.83		240.02
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	7,231.13		240.02
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	7,432.43		240.02
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	7,649.21		240.02
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	9,306.03		240.02
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	10,049.28		240.02
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	10,777.05		240.02
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	12,093.22		240.02
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	12,681.62		240.02
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	14,725.55		240.02
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	17,357.89		240.02
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	21,786.42		240.02
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	7,902.12		320.02
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	8,134.39		320.02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,351.17	320.02
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,536.98	320.02
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,178.32	320.02
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	10,921.57	320.02
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,633.85	320.02
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	12,980.99	320.02
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,553.91	320.02
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,613.33	320.02
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,261.15	320.02
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,674.19	320.02
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	8,833.77	360.02
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,050.55	360.02
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,236.37	360.02
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	10,893.19	360.02
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,559.02	360.02
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,333.24	360.02
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,680.37	360.02
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,268.78	360.02
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,204.32	360.02
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	18,960.54	360.02
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,373.58	360.02
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	9,935.74	400.02
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,183.49	400.02
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	11,793.86	400.02
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,537.11	400.02
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,264.87	400.02
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,581.04	400.02
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,184.93	400.02
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,213.38	400.02
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	19,845.72	400.02
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,289.73	400.02
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,653.19	480.03
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	10,869.97	480.03
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,480.34	480.03
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,192.62	480.03
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	13,951.35	480.03
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,267.52	480.03
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	15,824.96	480.03
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	17,915.35	480.03
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,563.17	480.03
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	24,960.73	480.03

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,239.97	140.01
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,337.52	140.01
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,450.30	160.01
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,565.17	160.01
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	2,954.86	200.01
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,267.14	240.02
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	3,875.68	360.02

22 33 33 00-0087 Water Heater Accessories (22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	33.77	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts				
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	49.54	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts				

22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	266.68	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	800.05	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,303.29	160.01
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,410.30	162.01
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,549.41	166.01
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,810.10	170.01
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,197.34	180.01
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,244.16	180.01

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)	
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,406.30 160.01
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,197.34 180.01

22 34 30 Residential Gas Domestic Water Heaters (22 34)**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)**

22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)	
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	976.84 154.00
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	959.57 158.01
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,275.26 162.01
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,379.95 166.01
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,506.79 170.01
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,226.98 180.01

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)	
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,784.02 158.01
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,033.34 162.01
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,643.72 166.01

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)	
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,621.03 158.01
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,688.49 162.01

22 34 36 Commercial Gas Domestic Water Heaters (22 34)**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)**

22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)	
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	5,124.84 240.02
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,462.27 280.02
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,767.78 320.02
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,838.85 320.02
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,729.84 320.02
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	9,001.02 352.03
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	6,499.73 360.02
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	9,689.55 396.02
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,602.68 360.02
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	9,236.10 396.02
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	7,301.92 440.03
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	10,086.18 484.03
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	8,233.35 440.03
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	10,147.45 484.03
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	7,945.74 480.03
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	11,203.65 528.03
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	10,139.44 480.03
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	13,311.61 528.03
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	13,258.84 520.03
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	6,614.25 280.02
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,944.83 308.02
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,865.82 320.02
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	8,241.17 352.03
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,625.52 200.01
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,784.84 200.01

22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)

Note: Includes storage and cleaning.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 13-0028	EA			Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	363.66	
22 34 36 13-0029	EA			Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	961.60	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith

BTN) (22 34 36 19)
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA			90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	4,156.65	240.02
22 34 36 19-0003	EA			120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,982.73	240.02
22 34 36 19-0004	EA			154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	7,300.56	280.02
22 34 36 19-0005	EA			180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	7,588.90	320.02
22 34 36 19-0006	EA			199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	7,625.67	320.02
22 34 36 19-0007	EA			199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,797.25	320.02
22 34 36 19-0008	EA			199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	9,160.34	352.03
22 34 36 19-0009	EA			250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	8,600.34	360.02
22 34 36 19-0010	EA			250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	10,596.47	396.02
22 34 36 19-0011	EA			275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	8,993.20	440.03
22 34 36 19-0012	EA			275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	11,042.11	484.03
22 34 36 19-0013	EA			310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	9,189.29	440.03
22 34 36 19-0014	EA			310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	11,164.67	484.03
22 34 36 19-0015	EA			366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	10,311.02	480.03
22 34 36 19-0016	EA			366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	12,135.07	528.03
22 34 36 19-0017	EA			390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	12,529.29	480.03
22 34 36 19-0018	EA			390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	14,463.64	528.03

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And

BTH) (22 34 36 19)
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA			76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,200.71	240.02
22 34 36 19-0021	EA			100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	4,328.23	240.02
22 34 36 19-0022	EA			120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	5,259.65	240.02
22 34 36 19-0023	EA			120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	7,611.71	264.01
22 34 36 19-0024	EA			150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	7,790.78	280.02
22 34 36 19-0025	EA			150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	9,844.45	308.02
22 34 36 19-0026	EA			199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,895.29	320.02
22 34 36 19-0027	EA			199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	10,128.54	352.03
22 34 36 19-0028	EA			250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	9,127.33	360.02
22 34 36 19-0029	EA			250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	11,123.46	396.02
22 34 36 19-0030	EA			300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	14,571.72	484.03
22 34 36 19-0031	EA			399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	15,309.27	528.03
22 34 36 19-0032	EA			499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	17,627.79	572.03

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA			400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	65,584.16	1,099.47
22 34 36 23-0003	EA			1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	79,364.46	1,168.18
22 34 36 23-0004	EA			2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	96,507.96	1,236.90
22 34 36 23-0005	EA			3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	115,442.93	1,305.62
22 34 36 23-0006	EA			4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	121,000.79	1,374.34

22 34 36 23-0007 Gas Fired Water Heaters, High Efficiency (90%) (22 34 36 23)

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0008	EA		500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency <i>For Skid Mounting, Add</i>	15,701.54 950.00	731.25
22 34 36 23-0009	EA		750 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency <i>For Skid Mounting, Add</i>	21,094.72 950.00	852.85
22 34 36 23-0010	EA		1,000 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency <i>For Skid Mounting, Add</i>	24,757.89 950.00	1,023.10
22 34 36 23-0011	EA		1,200 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency <i>For Skid Mounting, Add</i>	27,229.76 950.00	1,282.00
22 34 36 23-0012	EA		1,500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency <i>For Skid Mounting, Add</i>	30,436.49 950.00	1,408.09
22 34 36 23-0013			Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)		
22 34 36 23-0014	EA		200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	8,049.48	590.23
22 34 36 23-0015	EA		300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	8,726.77	664.01
22 34 36 23-0016	EA		400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	10,092.98	811.57
22 34 36 23-0017	EA		500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	14,789.80	885.35
22 34 36 23-0018	EA		750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	16,250.62	1,032.90
22 34 36 23-0019	EA		1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	18,588.96	1,180.46
22 34 36 23-0020	EA		1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	20,528.57	1,328.02
22 34 36 23-0021	EA		1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	24,573.99	1,475.58
22 34 36 23-0022	EA		1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	25,494.31	1,549.35
22 34 36 23-0023	EA		2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	27,360.58	1,623.13
22 34 36 23-0024			Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) (22 34 36 23)		
			Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0025	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)..... <i>For Skid Mounting, Add</i>	12,652.98 950.00	442.60
22 34 36 23-0026	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)..... <i>For Skid Mounting, Add</i>	14,689.82 950.00	590.23
22 34 36 23-0027	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)..... <i>For Skid Mounting, Add</i>	19,241.52 950.00	664.01
22 34 36 23-0028	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)..... <i>For Skid Mounting, Add</i>	24,165.43 950.00	811.57
22 34 36 23-0029	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)..... <i>For Skid Mounting, Add</i>	28,560.09 950.00	885.35
22 34 36 23-0030	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)..... <i>For Skid Mounting, Add</i>	32,301.35 950.00	959.12
22 34 36 23-0031	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)..... <i>For Skid Mounting, Add</i>	38,789.31 950.00	1,032.90
22 34 36 23-0032	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)..... <i>For Skid Mounting, Add</i>	42,993.38 950.00	1,106.68
22 34 36 23-0033	EA		1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)..... <i>For Skid Mounting, Add</i>	56,575.86 950.00	1,180.46
22 34 36 23-0034	EA		1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)..... <i>For Skid Mounting, Add</i>	76,057.12 950.00	1,549.35
22 34 36 26			Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)		
22 34 36 26-0001			Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)		
22 34 36 26-0002	EA		1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	33,954.92	1,121.44
22 34 36 26-0003	EA		1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	48,374.87	1,239.48
22 34 36 26-0004	EA		2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	52,547.18	1,298.50
22 34 36 26-0005	EA		2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	56,902.19	1,416.54
22 34 36 26-0006			Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0007	EA		1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	29,959.20	1,121.44
22 34 36 26-0008	EA		1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	33,096.40	1,239.48
22 34 36 26-0009	EA		2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,249.53	1,298.50
22 34 36 26-0010	EA		2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,377.55	1,416.54
22 34 36 26-0011			Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0012	EA		200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,401.82	531.21
22 34 36 26-0013	EA		300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,136.13	590.23
22 34 36 26-0014	EA		400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,537.51	708.27
22 34 36 26-0015	EA		500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	13,762.87	737.79
22 34 36 26-0016	EA		750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,076.06	885.35
22 34 36 26-0017	EA		1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	18,628.21	1,062.41
22 34 36 26-0018	EA		1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,278.63	1,121.44
22 34 36 26-0019	EA		1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,625.42	1,209.97
22 34 36 26-0020	EA		1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,851.06	1,269.00
22 34 36 26-0021	EA		2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,821.08	1,298.50
22 34 36 26-0022			Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 26-0023	EA		700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	25,231.15	885.35
22 34 36 26-0024	EA		1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	27,672.45	1,062.41
22 34 36 26-0025	EA		1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	37,262.82	1,209.97
22 34 36 26-0026	EA		1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	38,360.79	1,269.00
22 34 36 26-0027	EA		2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific).....	40,193.30	1,298.50

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 28)

22 34 36 26-0029	EA		1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	32,080.73	1,062.41
22 34 36 26-0030	EA		1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	38,897.78	1,209.97
22 34 36 26-0031	EA		2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	41,261.37	1,298.50

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA		60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	1,672.12	123.21
22 34 46 11-0003	EA		104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	1,648.16	123.21
22 34 46 11-0004	EA		104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	1,725.14	123.21
22 34 46 11-0005	EA		125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	1,824.87	126.41
22 34 46 11-0006	EA		140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	2,348.47	129.60
22 34 46 11-0007	EA		152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	1,967.83	129.60

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA		173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	2,716.71	192.01
22 34 46 11-0010	EA		199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	3,217.86	192.01
22 34 46 11-0011	EA		242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	3,237.14	192.01
22 34 46 11-0012	EA		190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	4,679.30	256.01
22 34 46 11-0013	EA		415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	6,444.42	320.02
22 34 46 11-0014	EA		623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	8,153.61	352.03

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)

22 35 23 13-0002 Constant Flow (22 35 23 13-0001)

22 35 23 13-0003	EA		30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	7,255.44	400.02
22 35 23 13-0004	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	9,075.87	490.19
22 35 23 13-0005	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	11,610.75	641.08
22 35 23 13-0006	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	15,673.63	892.94
22 35 23 13-0007	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	22,900.73	1,470.65
22 35 23 13-0008	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	24,863.15	1,666.74
22 35 23 13-0009	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	33,017.78	1,923.16
22 35 23 13-0010	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	39,788.68	2,272.86

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)

22 35 23 13-0012	EA		30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	10,667.49	780.05
22 35 23 13-0013	EA		90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	11,989.25	952.46
22 35 23 13-0014	EA		140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	15,269.31	1,231.59
22 35 23 13-0015	EA		230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	19,871.72	1,718.34
22 35 23 13-0016	EA		500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	29,196.26	2,873.78
22 35 23 13-0017	EA		900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	36,024.31	3,164.76
22 35 23 13-0018	EA		1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	41,673.79	3,703.91
22 35 23 13-0019	EA		2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	53,165.50	4,425.07

22 35 23 13-0020 Aerco Steam Fired Water Heaters (22 35 23 13-0001)

Note: For 5 to 15 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.

22 35 23 13-0021	EA		10 GPM, B+04/2.00/ Pneumatic Aerco Steam Fired Water Heater.....	26,866.14	840.05
22 35 23 13-0022	EA		20 GPM, B+05/2.50/ Pneumatic Aerco Steam Fired Water Heater.....	31,736.33	1,120.07
22 35 23 13-0023	EA		30 GPM, B+07/3.00/ Pneumatic Aerco Steam Fired Water Heater.....	35,382.72	1,312.57
22 35 23 13-0024	EA		40 GPM, B+09/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	37,122.65	1,575.09
22 35 23 13-0025	EA		50 GPM, B+11/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	42,838.67	2,100.11

22 35 23 13-0026 Pneumatic Temperature Control Valve (22 35 23 13-0001)

Note: For aerco steam fired water heaters. For 30 to 50 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.

22 Plumbing

22 30 Plumbing Equipment

22 35 Domestic Water Heat Exchangers

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 35 23 13-0027	EA	10 GPM, B+03/1.00/ Pneumatic Temperature Control Valve.....	24,360.03	840.04
22 35 23 13-0028	EA	20 GPM, B+04/1.25/ Pneumatic Temperature Control Valve.....	26,321.63	1,050.06
22 35 23 13-0029	EA	30 GPM, B+05/1.25/ Pneumatic Temperature Control Valve.....	28,019.97	1,312.57
22 35 23 13-0030	EA	40 GPM, B+06/2.00/ Pneumatic Temperature Control Valve.....	30,865.65	1,575.09
22 35 23 13-0031	EA	50 GPM, B+07/2.00/ Pneumatic Temperature Control Valve.....	33,283.07	2,100.11
22 35 23 13-0032	EA	60 GPM, B+10/2.00/ Pneumatic Temperature Control Valve.....	37,669.36	2,625.13
22 35 23 13-0033	EA	70 GPM, B+11/2.50/ Pneumatic Temperature Control Valve.....	43,190.15	3,150.16
22 35 23 13-0034	EA	80 GPM, B+14/2.50/ Pneumatic Temperature Control Valve.....	47,866.65	3,675.20
22 35 23 13-0035 Aerco Water To Water Heaters (22 35 23 13-0001)				
Note: For 180 F to 200 F boiled water. Air compressor not required.				
22 35 23 13-0036	EA	10 GPM, WW3E+06/1.50/ Self-Contained Temperature Control Valve.....	34,083.68	840.04
22 35 23 13-0037	EA	20 GPM, WW3E+08/2.00/ Self-Contained Temperature Control Valve.....	37,910.34	1,050.06
22 35 23 13-0038	EA	30 GPM, WW3E+10/2.50/ Self-Contained Temperature Control Valve.....	44,479.85	1,312.57
22 35 23 13-0039	EA	40 GPM, WW3E+12/2.50/ Self-Contained Temperature Control Valve.....	48,047.49	2,100.07
22 35 23 13-0040	EA	50 GPM, WW3E+14/3.00/ Self-Contained Temperature Control Valve.....	54,091.30	2,100.11
22 35 23 13-0041	EA	60 GPM, WW3E+15/3.00/ Self-Contained Temperature Control Valve.....	57,481.79	2,625.13
22 35 23 13-0042	EA	70 GPM, WW3E+17/3.00/ Self-Contained Temperature Control Valve.....	61,566.96	3,150.16
22 35 23 13-0043 Compressor For Steam Fired Hot Water Heaters (22 35 23 13)				
Note: Includes regulator and filter.				
22 35 23 13-0044	EA	1/2 HP, 2 Gallon Tank, 125 PSI, 115 Volt, Air Compressor.....	1,214.69	259.58

22 40 Plumbing Fixtures (22)

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	135.99	36.86
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	156.82	36.86
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	156.82	36.86
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215)	151.07	36.86
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	162.26	36.86

22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	123.89	26.54
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	123.89	26.54
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	89.63	26.54
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 41 39 00-0011 Residential Bath And Shower Faucets (22 41 39)

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	161.16	32.00
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	189.66	32.00
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	148.74	32.00
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	164.09	32.00
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
		<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	182.48	20.00
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	151.96	20.00
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	216.69	20.00

22 41 39 00-0019 Residential Laundry Faucets (22 41 39)

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	106.82	23.52
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22 41 39 00-0021 Residential Laundry/Wash Basin Faucets (22 41 39)

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	107.68	23.52
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	153.52	25.92

22 41 39 00-0024 Other Residential Faucets (22 41 39)

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	31.49	6.00
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22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)
 Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)
 Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	508.41	76.67
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	501.84	76.67
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	635.46	76.67
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	866.94	76.67
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	759.60	76.67
22 42 13 13-0008	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	545.89	76.67

22 42 13 13-0009 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®)	578.49	94.36
22 42 13 13-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit)	763.30	94.36
22 42 13 13-0012	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,014.49	94.36
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	663.04	94.36
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	536.17	94.36
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	572.93	94.36

22 42 13 13-0016 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	517.42	76.67
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	533.49	76.67
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	604.32	76.67
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	691.94	76.67
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	688.29	76.67
22 42 13 13-0022	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	967.95	76.67
22 42 13 13-0023	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	792.71	76.67
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	589.57	76.67

22 42 13 13-0025 Stainless Steel Water Closets (22 42 13 13)

22 42 13 13-0026	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	3,628.00	165.87
22 42 13 13-0027	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	3,832.29	165.87

22 42 13 13-0028 Water Closet Carriers (22 42 13 13)

22 42 13 13-0029 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0028)

Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.

22 42 13 13-0030	EA	Pipe Grip Adaptor Type, Water Closet Carrier	456.55	38.92
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22 42 13 13-0031 No-Hub, Water Closet Carriers (22 42 13 13-0028)

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0032	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	720.66	38.92
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
		<i>For Positioning Frame, Add</i>	40.73	
		<i>For Supply Pipe Support, Add</i>	41.70	
		<i>For Vandal Proof Trim, Add</i>	55.15	
		<i>For Auxiliary Inlet, Add</i>	177.42	
		<i>For Special Duty 500 LB Carrier, Add</i>	307.64	
22 42 13 13-0033	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	720.66	38.92
		<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-64.81	
		<i>For Positioning Frame, Add</i>	40.73	
		<i>For Supply Pipe Support, Add</i>	41.70	
		<i>For Vandal Proof Trim, Add</i>	55.15	
		<i>For Auxiliary Inlet, Add</i>	177.42	
		<i>For Special Duty 500 LB Carrier, Add</i>	307.64	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 13 13-0034	EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	789.35	38.92
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-64.81	
	For Positioning Frame, Add	40.73	
	For Supply Pipe Support, Add	41.70	
	For Vandal Proof Trim, Add	55.15	
	For Auxiliary Inlet, Add	177.42	
	For Horizontal No Hub Cast Long Barrel, Add	184.97	
	For Carrier For Wide Chase Installations, Add	239.52	
	For Special Duty 1,000 LB Carrier, Add	307.65	
22 42 13 13-0035	EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	877.38	38.92
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-64.81	
	For Positioning Frame, Add	40.73	
	For Supply Pipe Support, Add	41.70	
	For Vandal Proof Trim, Add	55.15	
	For 4" Branch, Add	141.44	
	For Auxiliary Inlet, Add	177.42	
	For Carrier For Wide Chase Installations, Add	239.52	
	For Double 4" Branches, Add	283.83	
	For Special Duty 1,000 LB Carrier, Add	307.65	
22 42 13 13-0036	EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,204.52	57.13
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-129.61	
	For Positioning Frame, Add	86.98	
	For Supply Pipe Support, Add	88.92	
	For Vandal Proof Trim, Add	110.30	
	For Auxiliary Inlet, Add	188.48	
	For Special Duty 500 LB Carrier, Add	615.28	
22 42 13 13-0037	EA Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,239.35	57.13
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-129.61	
	For Positioning Frame, Add	86.98	
	For Supply Pipe Support, Add	88.92	
	For Vandal Proof Trim, Add	110.30	
	For Auxiliary Inlet, Add	188.48	
	For Special Duty 500 LB Carrier, Add	615.28	
22 42 13 13-0038	EA Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,517.00	57.13
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-129.61	
	For Positioning Frame, Add	86.98	
	For Supply Pipe Support, Add	88.92	
	For Vandal Proof Trim, Add	110.30	
	For 4" Branch, Add	146.96	
	For Auxiliary Inlet, Add	188.48	
	For Double 4" Branches, Add	294.89	
	For Carrier For Wide Chase Installations, Add	512.21	
	For Special Duty 1,000 LB Carrier, Add	615.29	
22 42 13 13-0039	EA Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,426.06	57.13
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-129.61	
	For Positioning Frame, Add	86.98	
	For Supply Pipe Support, Add	88.92	
	For Vandal Proof Trim, Add	110.30	
	For Horizontal No Hub Cast Long Barrel, Add	190.49	
	For Carrier For Wide Chase Installations, Add	512.21	
	For Special Duty 1,000 LB Carrier, Add	615.29	
22 42 13 13-0040	Hub And Spigot, Water Closet Carriers <small>(22 42 13 13-0028)</small>		
	Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0041	EA Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	720.66	38.92
	For Positioning Frame, Add	40.73	
	For Supply Pipe Support, Add	41.70	
	For Vandal Proof Trim, Add	55.15	
	For Hanger Type Closet Adapter, Add	138.34	
	For Auxiliary Inlet, Add	177.42	
22 42 13 13-0042	EA Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	720.66	38.92
	For Positioning Frame, Add	40.73	
	For Supply Pipe Support, Add	41.70	
	For Vandal Proof Trim, Add	55.15	
	For Auxiliary Inlet, Add	177.42	
	For Special Duty 500 LB Carrier, Add	307.64	
22 42 13 13-0043	EA Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	910.27	38.92
	For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-64.81	
	For Positioning Frame, Add	40.73	
	For Supply Pipe Support, Add	41.70	
	For Vandal Proof Trim, Add	55.15	
	For 4" Branch, Add	141.44	
	For Auxiliary Inlet, Add	177.42	
	For Carrier For Wide Chase Installations, Add	239.52	
	For Double 4" Branches, Add	283.83	
	For Special Duty 1,000 LB Carrier, Add	307.65	
22 42 13 13-0044	EA Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,204.52	57.13
	For Positioning Frame, Add	86.98	
	For Supply Pipe Support, Add	88.92	
	For Vandal Proof Trim, Add	110.30	
	For Auxiliary Inlet, Add	188.48	
	For Hanger Type Closet Adapter, Add	276.68	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0045	EA			Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	1,549.89 -129.61 86.98 88.92 110.30 146.96 188.48 294.89 512.21 615.29	57.13
22 42 13 13-0046 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers						
<small>(22 42 13 13-0028)</small> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.						
22 42 13 13-0047	EA			Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	551.36 40.73 41.70 55.15 138.34	38.92
22 42 13 13-0048 Institutional Water Closet Carriers						
<small>(22 42 13 13-0028)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.						
22 42 13 13-0049	EA			Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	1,998.78 -129.61 86.98 88.92 110.30 188.48	57.13
22 42 13 13-0050 Removal And Reinstallation Of Fixtures And Trim						
<small>(22 42 13 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.						
22 42 13 13-0051	EA			Removal And Reinstallation Of Wall Hung Water Closet With Tank	337.37	
22 42 13 13-0052	EA			Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	337.37	
22 42 13 13-0053	EA			Removal And Reinstallation Of Floor Mount Water Closet With Tank	259.55	
22 42 13 13-0054	EA			Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	259.55	
22 42 13 16 Commercial Urinals						
<small>(22 42 13)</small>						
22 42 13 16-0001 Vitreous China Urinals						
<small>(22 42 13 16)</small> Note: Excludes flush valve unless indicated otherwise.						
22 42 13 16-0002 Wall Hung Urinals						
<small>(22 42 13 16-0001)</small>						
22 42 13 16-0003	EA			Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	442.80	78.89
22 42 13 16-0004	EA			Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	562.76	78.89
22 42 13 16-0005	EA			Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	624.70	78.89
22 42 13 16-0006	EA			Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	560.81	78.89
22 42 13 16-0007	EA			Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	459.42	78.89
22 42 13 16-0008	EA			Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	578.43	78.89
22 42 13 16-0009	EA			Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	481.48	78.89
22 42 13 16-0010 Floor Mounted Urinals						
<small>(22 42 13 16-0001)</small>						
22 42 13 16-0011	EA			Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	757.46	99.52
22 42 13 16-0012	EA			Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	323.01	18.44
22 42 13 16-0013	EA			Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	282.94	18.44
22 42 13 16-0014	EA			Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	916.66	99.52
22 42 13 16-0015 Waterfree Urinals						
<small>(22 42 13 16-0001)</small>						
22 42 13 16-0016	EA			Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	544.85	55.29
22 42 13 16-0017	EA			Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	837.89	55.29
22 42 13 16-0018	EA			Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	721.82	55.29
22 42 13 16-0019	EA			Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	553.88	55.29
22 42 13 16-0020	EA			Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	553.88	55.29
22 42 13 16-0021	EA			Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	685.83	55.29
22 42 13 16-0022	EA			Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,038.58	55.29
22 42 13 16-0023 Stainless Steel Urinals						
<small>(22 42 13 16)</small>						
22 42 13 16-0024	EA			Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,742.92	165.87
22 42 13 16-0025	EA			5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	4,865.78	202.73
22 42 13 16-0026 Urinal Carriers						
<small>(22 42 13 16)</small>						
22 42 13 16-0027 Floor Mounted, Urinal Carriers						
<small>(22 42 13 16-0026)</small> Note: Includes adjustable supporting rods, structural uprights and welded feet.						
22 42 13 16-0028	EA			Floor Mounted Hanger Plate Type, Single Urinal Carrier <i>For Up To 4" Extension Sleeves And Hardware, Add</i>	401.87 20.31	28.02
22 42 13 16-0029	EA			Floor Mounted Bearing Plate Type, Single Urinal Carrier <i>For Up To 4" Extension Sleeves And Hardware, Add</i>	438.63 20.31	28.02

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 13 16-0030	Wall Mounted, Urinal Carriers (22 42 13 16-0026) Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0031	EA Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	172.59	28.02
	For Up To 6-1/2" Extension Sleeves And Hardware, Add	20.31	
22 42 13 16-0032	Removal And Reinstallation Of Fixtures And Trim (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0033	EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	335.84	
22 42 16	Commercial Lavatories and Sinks (22 42)		
22 42 16 13	Commercial Lavatories (22 42 16)		
22 42 16 13-0001	Lavatories (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002	Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003	EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	470.22	49.39
22 42 16 13-0004	EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	495.81	49.39
22 42 16 13-0005	EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™).....	639.13	49.39
22 42 16 13-0006	EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	423.56	49.39
22 42 16 13-0007	EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	352.07	49.39
22 42 16 13-0008	EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®).....	469.80	49.39
22 42 16 13-0009	EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	570.31	49.39
22 42 16 13-0010	Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0011	EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval).....	406.92	59.71
22 42 16 13-0012	EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	431.59	59.71
22 42 16 13-0013	EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	457.92	59.71
22 42 16 13-0014	EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	601.49	64.50
22 42 16 13-0015	Cultured Marble Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0016	EA 19" x 17" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	308.20	51.61
22 42 16 13-0017	EA 25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	355.83	55.29
22 42 16 13-0018	EA 31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	413.38	58.97
22 42 16 13-0019	EA 37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	521.76	62.66
22 42 16 13-0020	EA 49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	765.49	66.35
22 42 16 13-0021	EA 25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	392.79	55.29
22 42 16 13-0022	EA 31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	423.79	58.97
22 42 16 13-0023	EA 37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	583.23	62.66
22 42 16 13-0024	EA 43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	646.13	64.50
22 42 16 13-0025	EA 49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink.....	739.49	66.35
22 42 16 13-0026	EA 61" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks.....	1,579.37	70.03
22 42 16 13-0027	EA 73" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks.....	1,834.73	73.71
22 42 16 13-0028	EA 19" End Splash For Cultured Marble Vanity Tops.....	41.40	
22 42 16 13-0029	EA 22" End Splash For Cultured Marble Vanity Tops.....	43.17	
22 42 16 13-0030	Quartz Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA 25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	927.89	55.29
22 42 16 13-0032	EA 31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	967.40	58.97
22 42 16 13-0033	EA 37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,127.59	62.66
22 42 16 13-0034	EA 43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,133.48	64.50
22 42 16 13-0035	EA 49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,248.15	66.35
22 42 16 13-0036	EA 61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	1,720.21	70.03
22 42 16 13-0037	EA 73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	2,054.71	73.71
22 42 16 13-0038	EA 22" End Splash For Quartz Vanity Tops.....	56.98	
22 42 16 13-0039	Solid Surface Vanity Tops (22 42 16 13-0001) Note: Includes predrilled holes for faucet.		
22 42 16 13-0040	EA 25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	754.82	55.29
22 42 16 13-0041	EA 31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	858.36	58.97
22 42 16 13-0042	EA 37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	976.71	62.66
22 42 16 13-0043	EA 43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,087.68	64.50
22 42 16 13-0044	EA 49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,188.79	66.35
22 42 16 13-0045	EA 55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,323.20	68.19
22 42 16 13-0046	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,488.92	70.03
22 42 16 13-0047	EA 61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,530.95	70.03
22 42 16 13-0048	EA 73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,659.15	73.71
22 42 16 13-0049	EA 22" End Splash For Solid Surface Vanity Tops.....	86.48	
22 42 16 13-0050	Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0051	EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,814.82	129.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0052			Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0053	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	4,688.13	107.82
			For Integral Liquid Soap Dispenser, Add	171.00	
			For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 13-0054	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	6,883.44	107.82
			For Integral Liquid Soap Dispenser, Add	171.00	
			For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 13-0055	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	313.95	35.94
22 42 16 13-0056	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	390.48	35.94
22 42 16 13-0057	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	780.28	35.94
22 42 16 13-0058			Lavatory Carriers (22 42 16 13)		
22 42 16 13-0059			Floor Mounted, Lavatory Carriers (22 42 16 13-0058)		
22 42 16 13-0060			Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0059) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0061	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier.....	401.87	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For Valve Plate For Attaching To Upright, Add	70.46	
			For Corner Carrier, Add	137.06	
22 42 16 13-0062	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	438.63	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For Valve Plate For Attaching To Upright, Add	70.46	
22 42 16 13-0063	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	503.45	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	40.63	
			For Valve Plate For Attaching To Upright, Add	140.92	
22 42 16 13-0064	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	577.94	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	40.63	
			For Valve Plate For Attaching To Upright, Add	140.92	
22 42 16 13-0065			Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0059) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0066	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	518.19	33.17
			For Up To 6-1/2" Extension Sleeves And Hardware, Add	20.31	
			For Concealed Arm Carrier For Wheelchair Lavatory, Add	28.06	
			For Valve Plate For Attaching To Upright, Add	71.94	
			For 2" Chrome Plated Escutcheons, Add	68.69	
			For 4" Or 6" Chrome Plated Escutcheons, Add	124.80	
22 42 16 13-0067	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	696.20	33.17
			For Up To 4-1/2" Extension Sleeves And Hardware, Add	20.31	
			For Vandal Proof Trim, Add	55.15	
			For Valve Plate For Attaching To Upright, Add	71.94	
			For Heavy Duty Carrier, Add	70.62	
22 42 16 13-0068	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	695.23	33.17
			For Up To 6-1/2" Extension Sleeves And Hardware, Add	40.63	
			For Concealed Arm Carrier For Wheelchair Lavatory, Add	56.12	
			For Valve Plate For Attaching To Upright, Add	143.87	
			For 2" Chrome Plated Escutcheons, Add	137.37	
			For 4" Or 6" Chrome Plated Escutcheons, Add	249.60	
22 42 16 13-0069	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	1,035.77	33.17
			For Up To 4-1/2" Extension Sleeves And Hardware, Add	40.63	
			For Vandal Proof Trim, Add	110.30	
			For Valve Plate For Attaching To Upright, Add	143.87	
			For Heavy Duty Carrier, Add	141.24	
22 42 16 13-0070			Wall Mounted, Lavatory Carriers (22 42 16 13-0058)		
22 42 16 13-0071			Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0070) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0072	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	172.59	28.02
			For Double Plate Carrier, Add	53.46	
22 42 16 13-0073			Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0070) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0074	EA		Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	292.78	33.17
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For 2" Chrome Plated Escutcheons, Add	68.69	
22 42 16 13-0075	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms.....	346.96	33.17
			For Movable Mounting Brackets, Deduct	-52.23	
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For 2" Chrome Plated Escutcheons, Add	68.69	
			For 4" Or 6" Chrome Plated Escutcheons, Add	124.80	
22 42 16 13-0076	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	514.32	33.17
			For Up To 4-1/2" Extension Sleeves And Hardware, Add	20.31	
			For Vandal Proof Trim, Add	55.15	
22 42 16 13-0077			Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0078	EA		Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	216.83	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 42 16 16 Commercial Sinks (22 42 16)**

22 42 16 16-0001	Sinks (22 42 16 16)		
	Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002	Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	559.84	69.29
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	743.33	78.89
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	643.20	67.82
	For 18 Gauge, Add	183.38	
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	659.65	67.82
	For 18 Gauge, Add	191.60	
22 42 16 16-0007	EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	696.67	67.82
	For 18 Gauge, Add	210.11	
22 42 16 16-0008	EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	730.19	69.29
	For 18 Gauge, Add	222.45	
22 42 16 16-0009	EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	920.13	78.89
	For 18 Gauge, Add	303.35	
22 42 16 16-0010	EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	939.98	78.89
	For 18 Gauge, Add	313.14	
22 42 16 16-0011	EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	909.88	67.82
22 42 16 16-0012	EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	928.39	67.82
22 42 16 16-0013	EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	975.01	67.82
22 42 16 16-0014	EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,038.01	69.29
22 42 16 16-0015	EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,255.37	78.89

22 42 16 16-0016 Undermount Kitchen Sinks (22 42 16 16-0001)

22 42 16 16-0017	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	811.11	67.82
22 42 16 16-0018	EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	809.10	67.82
22 42 16 16-0019	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	817.96	67.82
22 42 16 16-0020	EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	864.58	67.82

22 42 16 16-0021 Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)

	Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0022	EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,644.26	119.80
	Note: Excludes faucets.		
22 42 16 16-0023	EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,226.13	129.01
	Note: Excludes faucets.		
22 42 16 16-0024	EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,568.48	138.22
	Note: Excludes faucets.		
22 42 16 16-0025	EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,674.10	92.15
	Note: Excludes faucets.		
22 42 16 16-0026	EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	1,857.70	101.36
	Note: Excludes faucets.		
22 42 16 16-0027	EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,037.60	110.58
	Note: Excludes faucets.		
22 42 16 16-0028	EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,259.88	124.41
	Note: Excludes faucets.		
22 42 16 16-0029	EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,170.47	202.73
	Note: Includes sensor operated spray heads.		

22 42 16 16-0030 Utility Or Laundry Sinks (22 42 16 16-0001)

22 42 16 16-0031	EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	493.49	78.89
22 42 16 16-0032	EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	586.72	78.89
22 42 16 16-0033	EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	491.80	78.89
22 42 16 16-0034	EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	821.31	78.89
22 42 16 16-0035	EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,212.89	88.47

22 42 16 16-0036 Refinish Sink/Lavatory (22 42 16 16-0001)

22 42 16 16-0037	EA Refinish Sink/Lavatory.....	179.85	
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22 42 16 16-0038 Service Sinks (22 42 16 16-0001)

22 42 16 16-0039	EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	857.04	118.69
22 42 16 16-0040	EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	907.90	118.69
22 42 16 16-0041	EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,144.90	157.02
22 42 16 16-0042	EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	448.18	110.58
22 42 16 16-0043	EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	529.37	110.58
22 42 16 16-0044	EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	578.16	132.69

22 42 16 16-0045 Stainless Steel Sink And Drainboard (22 42 16 16-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
22 42 16 16-0046	EA		Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,801.70	184.30				
22 42 16 16-0047			Sink Carriers (22 42 16 16)						
22 42 16 16-0048			Floor Mounted, Sink Carriers (22 42 16 16-0047) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.						
22 42 16 16-0049	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	590.52	28.02				
			For Vandal Proof Trim, Add	55.15					
			For Valve Plate For Attaching To Upright, Add	70.46					
22 42 16 16-0050	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	922.34	28.02				
			For Vandal Proof Trim, Add	55.15					
			For Auxiliary Vent, Add	162.38					
22 42 16 16-0051	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,158.41	28.02				
			For Up To 4" Extension Sleeves And Hardware, Add	41.60					
			For Vandal Proof Trim, Add	55.15					
22 42 16 16-0052			Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.						
22 42 16 16-0053	EA		Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	297.26					
22 42 19			Commercial Bathtubs (22 42)						
22 42 19 00-0001			Recessed Alcove Bathtubs (22 42 19)						
22 42 19 00-0002			Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)						
22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,311.58	204.94				
22 42 19 00-0004	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,111.32	204.94				
22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,316.60	204.94				
22 42 19 00-0006	EA		66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,719.37	204.94				
22 42 19 00-0007			Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)						
22 42 19 00-0008	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	532.77	204.94				
22 42 19 00-0009	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	547.11	204.94				
22 42 19 00-0010			Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)						
22 42 19 00-0011	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	829.43	204.94				
22 42 19 00-0012			Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)						
22 42 19 00-0013	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	856.55	204.94				
22 42 19 00-0014	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,029.93	204.94				
22 42 19 00-0015	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,052.32	204.94				
22 42 19 00-0016	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,038.56	204.94				
22 42 19 00-0017	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,088.07	204.94				
22 42 19 00-0018			Bathtub Refinishing (22 42 19 00-0001)						
22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	436.33					
22 42 19 00-0020			Tub And Shower Combinations (22 42 19)						
22 42 19 00-0021			Acrylic Tub And Shower Combination (22 42 19 00-0020)						
22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	891.18	77.62				
			For 2 Piece Enclosure, Deduct	-193.81					
22 42 19 00-0023			Fiberglass Tub And Shower Combination (22 42 19 00-0020)						
22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	706.03	77.62				
22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	570.65	51.75				
22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,125.80	117.16				
22 42 23			Commercial Showers (22 42)						
22 42 23 00-0001			Shower Enclosures (22 42 23)						
			Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.						
22 42 23 00-0002			Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)						
22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,193.61	118.90				
22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,193.61	118.90				
22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,805.32	118.90				
22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	1,986.92	118.90				
22 42 23 00-0007			Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)						
22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,967.81	118.90				

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,967.81	118.90
22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,828.03	118.90
22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	3,162.56	118.90
22 42 23 00-0012			Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0013			Acrylic Shower Receptors (22 42 23 00-0012)		
22 42 23 00-0014	EA		36" x 36" Acrylic Shower Receptor	379.73	30.00
22 42 23 00-0015	EA		42" x 42" Acrylic Shower Receptor	403.06	30.00
22 42 23 00-0016	EA		48" x 48" Acrylic Shower Receptor	449.65	30.00
22 42 23 00-0017	EA		60" x 60" Acrylic Shower Receptor	547.31	36.01
22 42 23 00-0018	EA		48" x 32" Acrylic Shower Receptor	380.83	30.00
22 42 23 00-0019	EA		48" x 36" Acrylic Shower Receptor	411.51	30.00
22 42 23 00-0020	EA		48" x 42" Acrylic Shower Receptor	468.59	30.00
22 42 23 00-0021	EA		60" x 30" Acrylic Shower Receptor	700.65	81.92
22 42 23 00-0022	EA		60" x 32" Acrylic Shower Receptor	518.28	36.01
22 42 23 00-0023	EA		60" x 36" Acrylic Shower Receptor	522.23	36.01
22 42 23 00-0024	EA		60" x 42" Acrylic Shower Receptor	525.85	36.01
22 42 23 00-0025	EA		60" x 48" Acrylic Shower Receptor	582.56	36.01
22 42 23 00-0026	EA		36" x 36" Acrylic Corner Shower Receptor	566.73	30.00
22 42 23 00-0027	EA		42" x 42" Acrylic Corner Shower Receptor	654.78	30.00
22 42 23 00-0028	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,009.26	77.82
22 42 23 00-0029			Molded Stone Shower Receptors (22 42 23 00-0012)		
22 42 23 00-0030	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	244.08	30.00
22 42 23 00-0031	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	257.24	30.00
22 42 23 00-0032	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	258.70	30.00
22 42 23 00-0033	EA		42" x 42" Molded Stone Shower Receptor (Fiat 424WL)	323.79	30.00
22 42 23 00-0034	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	284.30	30.00
22 42 23 00-0035	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	302.58	30.00
22 42 23 00-0036	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	304.78	30.00
22 42 23 00-0037	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	351.83	36.01
22 42 23 00-0038	EA		60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	365.73	36.01
22 42 23 00-0039	EA		36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	287.96	30.00
22 42 23 00-0040	EA		38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	296.00	30.00
22 42 23 00-0041			Precast Terrazzo Shower Receptors (22 42 23 00-0012)		
22 42 23 00-0042	EA		30" x 30" Precast Terrazzo Shower Receptor.....	482.48	30.00
22 42 23 00-0043	EA		32" x 32" Precast Terrazzo Shower Receptor.....	502.23	30.00
22 42 23 00-0044	EA		34" x 34" Precast Terrazzo Shower Receptor.....	520.51	30.00
22 42 23 00-0045	EA		36" x 36" Precast Terrazzo Shower Receptor.....	522.70	30.00
22 42 23 00-0046	EA		40" x 40" Precast Terrazzo Shower Receptor.....	574.63	30.00
22 42 23 00-0047	EA		42" x 42" Precast Terrazzo Shower Receptor.....	600.95	30.00
22 42 23 00-0048	EA		48" x 48" Precast Terrazzo Shower Receptor.....	855.45	30.00
22 42 23 00-0049	EA		36" x 32" Precast Terrazzo Shower Receptor.....	516.12	30.00
22 42 23 00-0050	EA		42" x 32" Precast Terrazzo Shower Receptor.....	526.60	30.00
22 42 23 00-0051	EA		42" x 34" Precast Terrazzo Shower Receptor.....	545.37	30.00
22 42 23 00-0052	EA		42" x 36" Precast Terrazzo Shower Receptor.....	568.78	30.00
22 42 23 00-0053	EA		32" x 48" Precast Terrazzo Shower Receptor.....	570.97	30.00
22 42 23 00-0054	EA		48" x 34" Precast Terrazzo Shower Receptor.....	600.95	30.00
22 42 23 00-0055	EA		54" x 32" Precast Terrazzo Shower Receptor.....	630.94	30.00
22 42 23 00-0056	EA		60" x 30" Precast Terrazzo Shower Receptor.....	856.90	36.01
22 42 23 00-0057	EA		60" x 32" Precast Terrazzo Shower Receptor.....	939.87	36.01
22 42 23 00-0058	EA		60" x 34" Precast Terrazzo Shower Receptor.....	943.95	36.01
22 42 23 00-0059	EA		60" x 36" Precast Terrazzo Shower Receptor.....	947.99	36.01
22 42 23 00-0060	EA		32" x 32" Precast Terrazzo Corner Shower Receptor.....	525.63	30.00
22 42 23 00-0061	EA		34" x 34" Precast Terrazzo Corner Shower Receptor.....	526.60	30.00
22 42 23 00-0062	EA		36" x 36" Precast Terrazzo Corner Shower Receptor.....	528.55	30.00
22 42 23 00-0063	EA		40" x 40" Precast Terrazzo Corner Shower Receptor.....	638.98	30.00
22 42 23 00-0064	EA		36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,183.80	30.00
22 42 23 00-0065	EA		60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,315.69	36.01
22 42 23 00-0066	EA		60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,372.73	36.01
22 42 23 00-0067			Shower Receptors Accessories (22 42 23 00-0012)		
22 42 23 00-0068	SF		Polyvinyl Chloride (PVC) Shower Pan Liner	2.91	
22 42 23 00-0069			Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0070	EA		Removal And Reinstallation Of Shower Head	36.01	
22 42 33			Wash Fountains (22 42)		
22 42 33 00-0001			Circular Wash Fountain, Deep Bowl (22 42 33)		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	7,310.71	125.79
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0003 EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,579.44	125.79
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0004 EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,043.85	125.79
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	9,328.40	143.75
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0006 EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,285.59	143.75
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0007 EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,646.14	143.75
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl <small>(22 42 33)</small>		
<small>Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.</small>		
22 42 33 00-0009 EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	6,379.84	107.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0010 EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,189.08	107.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,085.11	107.82
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	7,832.56	125.79
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,059.62	125.79
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,241.51	125.79
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 39 Commercial Faucets, Supplies, and Trim <small>(22 42)</small>		
22 42 39 00-0001 Kitchen Faucets <small>(22 42 39)</small>		
22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	146.63	36.86
22 42 39 00-0003 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	146.85	36.86
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	136.55	36.86
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	150.00	36.86
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	195.33	36.86
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	138.44	36.86
22 42 39 00-0008 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	133.35	36.86
22 42 39 00-0009 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	158.24	36.86
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	273.54	36.86
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	300.28	36.86
22 42 39 00-0012 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	282.56	40.01
<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0013 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	281.25	40.01
22 42 39 00-0014 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	209.32	40.01
22 42 39 00-0015 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	486.87	36.86
22 42 39 00-0016 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	616.59	36.86
22 42 39 00-0017 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	659.83	36.86
22 42 39 00-0018 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	486.87	36.86
22 42 39 00-0019 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	616.59	36.86
22 42 39 00-0020 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	659.83	36.86
22 42 39 00-0021 Lavatory Faucets <small>(22 42 39)</small>		
22 42 39 00-0022 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	154.10	26.54
22 42 39 00-0023 EA 4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	169.16	26.54
22 42 39 00-0024 EA Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	208.07	26.54
22 42 39 00-0025 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	242.63	26.54
22 42 39 00-0026 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	147.60	26.54
22 42 39 00-0027 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	225.39	26.54

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 39 00-0028	EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	162.05	26.54
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0029	EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	165.84	26.54
22 42 39 00-0030	EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	200.54	26.54
22 42 39 00-0031	EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	196.44	26.54
22 42 39 00-0032	Bath And Shower Faucets (22 42 39)		
22 42 39 00-0033	Bath And Shower Faucets With Valve Body (22 42 39 00-0032)		
22 42 39 00-0034	EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	165.55	32.00
22 42 39 00-0035	EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	194.04	32.00
22 42 39 00-0036	EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	212.31	32.00
22 42 39 00-0037	EA Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	153.13	32.00
	<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0038	EA Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	160.43	32.00
	<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0039	EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	181.62	32.00
	<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0040	EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	205.73	32.00
	<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0041	Shower Valves And Trim (22 42 39)		
	See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0042	EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	267.68	49.76
22 42 39 00-0043	EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	602.08	49.76
22 42 39 00-0044	EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	417.87	49.76
22 42 39 00-0045	EA Senior Institutional Shower Head (Symmons® 4-150).....	160.98	32.00
22 42 39 00-0046	EA Universal Institutional Shower Head (Symmons® 4-151).....	269.77	32.00
22 42 39 00-0047	EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	189.62	32.00
22 42 39 00-0048	EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	142.72	32.00
22 42 39 00-0049	EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	602.76	47.92
22 42 39 00-0050	EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	494.00	55.29
22 42 39 00-0051	EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	652.76	55.29
22 42 39 00-0052	EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	919.72	58.97
22 42 39 00-0053	EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	835.60	49.76
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0054	EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	994.14	49.76
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
	<i>For Recessed Soap Dish, Add</i>	108.12	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0055	EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	675.78	49.76
	<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0056	EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,022.01	49.76
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0057	EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,096.65	49.76
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0058	EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,026.24	49.76
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0059	EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,769.54	49.76
	<i>For Recessed Soap Dish, Add</i>	83.94	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	886.44	49.76
22 42 39 00-0061	EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,362.66	49.76
	<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
	<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	885.24	49.76

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0063	EA			Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	882.61	49.76
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	

22 42 39 00-0064 Service Sink Faucets (22 42 39)

22 42 39 00-0065	EA			4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	356.92	61.37
22 42 39 00-0066	EA			3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	274.80	61.37
22 42 39 00-0067	EA			6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	285.03	61.37
22 42 39 00-0068	EA			7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	372.30	86.03
22 42 39 00-0069	EA			7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	417.04	98.05
22 42 39 00-0070	EA			11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	481.33	98.05
22 42 39 00-0071	EA			44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	578.35	98.05

22 42 39 00-0072 Laboratory Faucets And Fittings (22 42 39)

22 42 39 00-0073	EA			Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	144.86	26.10
22 42 39 00-0074	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	237.15	36.86
22 42 39 00-0075	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	307.46	36.86
22 42 39 00-0076	EA			Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	188.98	34.42
22 42 39 00-0077	EA			6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	256.77	49.10
22 42 39 00-0078	EA			6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	348.44	49.10
22 42 39 00-0079	EA			Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	278.76	36.86
22 42 39 00-0080	EA			Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	273.43	49.10
22 42 39 00-0081	EA			Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	179.10	28.32
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0082	EA			Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	252.32	40.01
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0083	EA			4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	194.23	40.01
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0084	EA			4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	237.34	40.01
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0085	EA			Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	61.70	24.62
22 42 39 00-0086	EA			Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	386.11	44.23
22 42 39 00-0087	EA			Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	496.86	44.23
22 42 39 00-0088	EA			Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	597.76	44.23
22 42 39 00-0089	EA			Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	528.47	44.23
22 42 39 00-0090	EA			Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	629.51	44.23

22 42 39 00-0091 Gooseneck Faucets With Independent Eyewash (22 42 39)

22 42 39 00-0092	EA			Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	701.24	27.64
22 42 39 00-0093	EA			Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	762.00	25.80
22 42 39 00-0094	EA			8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	986.09	27.64
22 42 39 00-0095	EA			Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,042.16	27.64
22 42 39 00-0096	EA			Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,272.49	18.44
22 42 39 00-0097	EA			Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,523.52	46.08
22 42 39 00-0098	EA			Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,135.22	46.08
22 42 39 00-0099	EA			8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,206.59	46.08

22 42 39 00-0100 Bubblers And Glass Fillers (22 42 39)

22 42 39 00-0101	EA			Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	255.92	26.10
22 42 39 00-0102	EA			Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	227.87	34.42
22 42 39 00-0103	EA			7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	252.42	26.10
22 42 39 00-0104	EA			Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	155.52	37.36
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0105	EA			Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	299.58	28.32
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0106	EA			Push Button Bubbler, 1/2" OD (Haws 5017LF).....	303.59	28.32
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0107	EA			Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	252.82	28.32
				<i>For Faucet With Temperature Control, Add</i>	40.00	

22 42 39 00-0108 Automatic Electronic Sensor Faucets (22 42 39)

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0109	EA		Electronic Lavatory Faucet (American Standard 6055.205.002)..... <i>For Faucet With Temperature Control, Add</i>	467.68 40.00	61.48
22 42 39 00-0110	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)..... <i>For Faucet With Temperature Control, Add</i>	472.07 40.00	61.48
22 42 39 00-0111	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	633.08	66.72
22 42 39 00-0112	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	660.01	61.48
22 42 39 00-0113	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	980.21	66.72
22 42 39 00-0114	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,227.23	66.72
22 42 39 00-0115	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,146.23	66.72
22 42 39 00-0116	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	800.03	61.48
22 42 39 00-0117	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	716.63	61.48
22 42 39 00-0118	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	757.36	61.48
22 42 39 00-0119	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	655.54	61.48
22 42 39 00-0120	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	757.36	61.48
22 42 39 00-0121	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	661.21	61.48
22 42 39 00-0122	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	661.21	61.48
22 42 39 00-0123	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	744.95	61.48
22 42 39 00-0124	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	631.22	61.48
22 42 39 00-0125	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	605.53	61.48
22 42 39 00-0126	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	957.92	61.48
22 42 39 00-0127			Other Trim (22 42 39)		
22 42 39 00-0128	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	13.43	4.00
22 42 39 00-0129	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)..... <i>For Faucet With Temperature Control, Add</i>	94.05 40.00	12.00
22 42 39 00-0130	EA		1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)..... <i>For Faucet With Temperature Control, Add</i>	36.26 40.00	10.00
22 42 39 00-0131	EA		1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	81.44	10.00
22 42 39 00-0132	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)..... <i>For Faucet With Temperature Control, Add</i>	52.77 40.00	11.06
22 42 39 00-0133	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)..... <i>For Faucet With Temperature Control, Add</i>	55.50 40.00	11.06
22 42 39 00-0134	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield)	146.82	11.06
22 42 39 00-0135	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	182.06	11.06
22 42 39 00-0136	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	207.65	11.06
22 42 39 00-0137	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)..... <i>For Faucet With Temperature Control, Add</i>	26.75 40.00	7.74
22 42 39 00-0138	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)..... <i>For Faucet With Temperature Control, Add</i>	26.75 40.00	7.74
22 42 39 00-0139	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)..... <i>For Faucet With Temperature Control, Add</i>	37.03 40.00	7.74
22 42 39 00-0140	PR		16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair)..... <i>For Faucet With Temperature Control, Add</i>	25.34 40.00	8.50
22 42 39 00-0141	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line..... <i>For Faucet With Temperature Control, Add</i>	15.78 40.00	5.00
22 42 39 00-0142	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line..... <i>For Faucet With Temperature Control, Add</i>	16.24 40.00	5.00
22 42 39 00-0143			Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
22 42 39 00-0144	EA		Removal And Reinstallation Of Faucet	64.00	
22 42 43			Flushometers (22 42)		
22 42 43 00-0001			Water Closet Flush Valves (22 42 43)		
22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115).....	222.63	25.14
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	215.57	25.14
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	251.47	25.14
22 42 43 00-0005	EA		Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	347.33	25.14
22 42 43 00-0006	EA		Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142)	387.81	25.14
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	720.15	25.14
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	717.93	25.14
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	758.76	25.14
22 42 43 00-0010	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	703.94	25.14
22 42 43 00-0011	EA		Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	306.04	25.14
			Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	539.59	25.14
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	305.50	25.14
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	302.71	25.14
22 42 43 00-0015	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	308.62	22.11
22 42 43 00-0016	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	336.13	22.11
22 42 43 00-0017	EA		1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	730.73	25.14
22 42 43 00-0018	EA		Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	801.89	25.14
22 42 43 00-0019	EA		1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,020.41	25.14
22 42 43 00-0020	EA		1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,020.41	25.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0021 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	660.15	25.14
22 42 43 00-0022 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	654.11	25.14
22 42 43 00-0023 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	324.14	22.11
22 42 43 00-0024 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	100.29	4.13
22 42 43 00-0025 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	494.37	25.14
22 42 43 00-0026 Urinal Flush Valves (22 42 43)		
22 42 43 00-0027 EA 3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)..... Note: 0.5, 1.0 or 1.5 GPF.	182.72	25.14
22 42 43 00-0028 EA 1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	197.20	25.14
22 42 43 00-0029 EA Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	266.37	25.14
22 42 43 00-0030 EA Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	323.36	25.14
22 42 43 00-0031 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	511.21	25.14
22 42 43 00-0032 EA Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	688.54	25.14
22 42 43 00-0033 EA Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	773.00	25.14
22 42 43 00-0034 EA Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	502.74	25.14
22 42 43 00-0035 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	797.30	25.14
22 42 43 00-0036 EA Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)..... Note: 0.13 GPF.	457.52	25.14
22 42 43 00-0037 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0038 EA Removal And Reinstallation Of Flush Valve.....	100.01	
22 42 43 00-0039 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0040 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	45.64	
22 42 49 Composting Toilets (22 42)		
22 42 49 00-0001 Composting Toilets (22 42 49)		
22 42 49 00-0002 EA Composting Toilet (Sun-Mar Excel)..... For Extra Urinal, Add	2,379.56 204.41	359.38
22 42 49 00-0003 EA Composting Toilet (Sun-Mar Excel AC/DC)..... For Extra Urinal, Add	2,568.93 223.35	359.38
22 42 49 00-0004 EA Composting Toilet (Sun-Mar Excel NE)..... For Extra Urinal, Add	2,282.06 199.82	304.10
22 42 49 00-0005 EA Composting Toilet System (Clivus Multrum M-1)..... For Extra Urinal, Add	3,186.81 277.40	442.32
22 42 49 00-0006 EA Composting Toilet System (Clivus Multrum M-2)..... For Extra Urinal, Add	3,780.93 331.65	497.61
22 42 49 00-0007 EA Composting Toilet System (Clivus Multrum M-3)..... For Extra Urinal, Add	5,936.50 542.05	552.90
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	703.62	76.67
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	532.76	76.67
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16)		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add	1,076.51 103.67	49.39
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... For Stainless Steel Rim Guards (Three Sides), Add For Pedestal Base, Add	1,135.04 103.67 475.30	141.91
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)..... For Painted Bracket Supports, Add	1,030.87 160.49	49.39
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	893.95	49.39
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	88.21	11.06

22 Plumbing**22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 43 39 00-0003		Centerset Medical Faucets (22 43 39)			
22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	398.46		54.11
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	403.02		54.11
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	402.56		54.11
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	359.18		54.11
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	343.66		54.11
22 43 39 00-0009		Electronic Proximity Medical Faucets (22 43 39)			
22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	519.50		54.11
		<i>For Hard Wired AC Powered, Add</i>	23.61		
22 43 39 00-0011		Bedpan Washers (22 43 39)			
22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	947.24		98.34
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	899.43		98.34
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	885.27		98.34
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	871.50		98.34
22 43 39 00-0016		Foot And Knee Faucet Controls (22 43 39)			
22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	291.10		98.34
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625).....	341.51		98.34
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	730.09		98.34
22 43 39 00-0020	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	585.18		98.34
22 43 43		Healthcare Plumbing Fixture Flushometers (22 43)			
22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers (22 43 43)			
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	199.38		25.14
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	465.71		25.14
22 43 46		Healthcare Patient Care Units (22 43)			
22 43 46 00-0001		Patient Care Units (22 43 46)			
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	13,640.08		147.44
		<i>For SDB Single Temperature Dialysis Box, Add</i>	999.81		
		<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,061.91		
		<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	768.48		
		<i>For LOCK Flush Valve Lockout Device, Add</i>	563.56		
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	10,743.91		129.01
		<i>For SDB Single Temperature Dialysis Box, Add</i>	999.81		
		<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,061.91		
		<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	768.48		
		<i>For LOCK Flush Valve Lockout Device, Add</i>	563.56		
22 43 46 00-0004		Patient Care Plumbing Accessories (22 43 46)			
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,301.29		20.00
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,433.88		20.00
22 45		Emergency Plumbing Fixtures (22 40)			
22 45 13		Emergency Showers (22 45)			
22 45 13 00-0001		Emergency Drench Showers (22 45 13)			
22 45 13 00-0002		Emergency Drench Showers (Haws) (22 45 13 00-0001)			
		Note: Includes one pull rod.			
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	534.75		129.01
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	620.63		129.01
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	668.34		129.01
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	811.48		129.01
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,107.29		129.01
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	857.88		147.44
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	937.68		165.87
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	847.03		165.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0011	EA		Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	866.11	165.87
22 45 13 00-0012	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,223.95	165.87
22 45 13 00-0013			Emergency Drench Showers (Speakman) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	454.58	129.01
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	469.26	129.01
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	752.43	147.44
22 45 16			Eyewash Equipment (22 45)		
22 45 16 00-0001			Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002			Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	255.47	3.69
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,147.62	165.87
22 45 23			Personal Eyewash Equipment (22 45)		
22 45 23 00-0001			Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002			Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003	EA		Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,454.80	11.06
22 45 26			Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001			Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002			Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)..... Note: Excludes p-trap and tailpiece.	599.39	92.15
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	587.23	129.01
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)..... Note: Excludes p-trap and tailpiece.	572.92	129.01
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)..... Note: Excludes p-trap and tailpiece.	629.22	129.01
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)..... Note: Excludes p-trap and tailpiece.	634.94	129.01
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)..... Note: Excludes p-trap and tailpiece.	702.70	129.01
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	973.70	129.01
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	1,880.23	129.01
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	724.29	147.44
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	834.03	147.44
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	1,940.94	147.44
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	517.44	36.86
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	498.36	36.86
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	522.21	36.86
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	660.58	36.86
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,570.94	184.30
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCCSM).....	1,931.40	147.44
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,971.72	184.30
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCCSM).....	2,341.72	147.44
22 45 26 00-0022			Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	515.75	129.01
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	634.98	147.44
22 45 29			Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001			Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 45 29 00-0002		Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)			
22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	550.19		46.08
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	636.07		46.08
22 45 33		Combination Emergency Fixture Units (22 45)			
22 45 33 00-0001		Emergency Shower With Eye/Face Wash (22 45 33)			
22 45 33 00-0002		Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)			
22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	3,270.33		239.59
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,182.50		239.59
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,490.67		239.59
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,430.60		239.59
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,757.86		239.59
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,648.12		239.59
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,395.25		239.59
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,344.72		239.59
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,578.51		239.59
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,630.99		239.59
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,950.66		239.59
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCCD).....	3,136.74		239.59
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,084.26		239.59
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,658.75		239.59
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,916.40		239.59
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	10,498.70		239.59
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,395.25		239.59
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,590.87		239.59
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)			
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,231.16		239.59
22 45 36		Emergency Fixture Water-Tempering Equipment (22 45)			
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment (22 45 36)			
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)			
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EV).....	583.58		46.08
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	865.08		46.08
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,280.18		46.08
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,513.97		46.08
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,153.31		46.08
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,272.59		46.08
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,832.77		46.08
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,610.48		46.08
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	655.15		46.08
22 45 39		Emergency Plumbing Fixture Accessories (22 45)			
22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)			
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 45 39 00-0003	EA		Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	148.77	14.75
22 45 39 00-0004	EA		Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	210.80	14.75
22 45 39 00-0005	EA		Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	220.34	14.75
22 45 39 00-0006	EA		Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	249.62	5.53
22 45 39 00-0007	EA		Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	255.47	3.69
22 45 39 00-0008	EA		3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	277.17	7.37
22 45 39 00-0009	EA		Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	468.42	55.29
22 45 39 00-0010	EA		Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	498.11	24.81
22 45 39 00-0011	EA		Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	746.22	24.81
22 45 39 00-0012	EA		Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	865.08	55.29
22 45 39 00-0013	EA		Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,676.60	24.81
22 45 39 00-0014	EA		1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,835.32	82.71
22 45 39 00-0015	EA		1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,873.49	82.71
22 45 39 00-0016	EA		1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,505.24	82.71
22 45 39 00-0017	EA		1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	6,701.94	82.71

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)

22 45 39 00-0019	EA		Privacy Curtain For Emergency Showers.....	857.18	55.30
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Note: Curtain includes stainless steel curtain rod and mounting accessories.

22 46 Security Plumbing Fixtures (22 40)

22 46 13 Security Water Closets and Urinals (22 46)

22 46 13 13 Security Water Closets (22 46 13)

22 46 13 13-0001 Replacement Blowout Toilets (22 46 13 13)

22 46 13 13-0002	EA		Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331).....	3,748.50	154.81
22 46 13 13-0003	EA		Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335).....	4,565.80	147.44

22 46 13 16 Security Urinals (22 46 13)

22 46 13 16-0001 Replacement Urinals (22 46 13 16)

22 46 13 16-0002	EA		Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349).....	5,322.62	184.30
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22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)

22 46 13 19-0001 Replacement Combination Units (22 46 13 19)

Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.

22 46 13 19-0002	EA		18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318).....	6,559.22	224.85
			For Auto Reset Flood-Trol, FTA, Add	230.00	
			For PWT Electronic FV And H And C, Add	248.00	
22 46 13 19-0003	EA		Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432).....	8,840.45	224.85
			For Auto Reset Flood-Trol, FTA, Add	230.00	
			For PWT Electronic FV And H And C, Add	248.00	
22 46 13 19-0004	EA		Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435).....	11,789.88	224.85
			For Auto Reset Flood-Trol, FTA, Add	230.00	
			For PWT Electronic FV And H And C, Add	248.00	

22 46 16 Security Lavatories and Sinks (22 46)

22 46 16 13 Security Lavatories (22 46 16)

22 46 16 13-0001 Replacement Lavatories (22 46 16 13)

Note: Includes hot and cold valve, bubbler, and mounting hardware.

22 46 16 13-0002	EA		15" Lavatory For Replacement, Stainless Steel (Acorn 3325).....	2,127.86	110.58
			For PWT Electronic H And C valve, Add	150.00	
22 46 16 13-0003	EA		18" Lavatory For Replacement, Stainless Steel (Acorn 3326).....	2,295.83	110.58
			For PWT Electronic H And C valve, Add	150.00	
22 46 16 13-0004	EA		18" ADA Front Access Lavatory, Stainless Steel (Acorn 1652-ADA-BP-4M-FA).....	2,481.11	110.58
			For PWT Electronic H And C valve, Add	150.00	

22 46 19 Security Showers (22 46)

22 46 19 00-0001 Replacement Or New Shower Units (22 46 19)

Note: Includes single temp air control valve, soap dish, anchor plate, towel hook, and mounting hardware.

22 46 19 00-0002	EA		30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	13,185.26	294.88
22 46 19 00-0003	EA		32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	13,678.96	294.88
22 46 19 00-0004	EA		36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	14,187.06	294.88
22 46 19 00-0005	EA		36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	18,165.45	294.88

22 46 19 00-0006 Wall Mounted Security Shower (22 46 19)

Note: Includes single temp air control valve, and mounting hardware.

22 Plumbing**22 40 Plumbing Fixtures****22 46 Security Plumbing Fixtures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)..... For PWT Electronic FV, Add	1,251.23 148.00	77.41
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)..... For PWT Electronic FV, Add	1,537.17 148.00	77.41

22 46 56 Security Drinking Fountains (22 46)**22 46 56 00-0001 Security Drinking Fountain (22 46 56)**

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,531.69	147.44
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,551.39	147.44

22 47 Drinking Fountains and Water Coolers (22 40)**22 47 13 Drinking Fountains (22 47)****22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)****22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)**

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,436.23	119.80
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,104.03	129.01
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,903.01	119.80
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,272.13	129.01
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSS)	951.82	119.80
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSSBP)	1,142.00	129.01
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,080.95	119.80
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,316.56	129.01

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	978.34	129.01
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	1,404.59	129.01
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)	1,925.11	129.01

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,323.61	138.22
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,882.21	138.22

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,415.88	147.44
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,611.62	147.44

22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	579.58	92.15
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	557.07	92.15
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	680.42	92.15

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	485.94	92.15
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	590.50	92.15

22 47 13 00-0028 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0029	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,715.17	147.44
22 47 13 00-0030	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	3,424.65	147.44
22 47 13 00-0031	EA	Two Station, Marble, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,588.12	147.44
22 47 13 00-0032	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,176.73	147.44
22 47 13 00-0033	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	2,751.18	147.44
22 47 13 00-0034	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,380.64	188.08
22 47 13 00-0035	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	3,730.45	147.44
22 47 13 00-0036	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	3,664.25	147.44

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 47 13 00-0037		Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0038		Face Mounted Outdoor Drinking Fountains (22 47 13 00-0037)		
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR)	1,231.16	147.44
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEFB-FR).....	1,353.42	147.44
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592)	1,300.33	147.44
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR)	1,926.13	147.44
22 47 13 00-0043		Free Standing Outdoor Drinking Fountains (22 47 13 00-0037)		
22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715).....	2,375.82	138.22
22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR)	3,351.52	138.22
22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710).....	2,372.58	138.22
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR).....	3,289.20	138.22
22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720).....	3,546.11	147.44
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR)	3,611.26	147.44
22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591)	1,320.50	138.22
22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590)	2,305.04	138.22
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR)	3,280.73	138.22
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595)	3,865.44	147.44
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR)	5,440.38	147.44
22 47 16		Pressure Water Coolers (22 47)		
22 47 16 00-0001		Indoor Water Coolers (22 47 16)		
22 47 16 00-0002		Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubblers, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,728.07	147.44
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubblers, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,915.49	147.44
22 47 16 00-0005		Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubblers, (Halsey-Taylor SW4A-Q).....	1,276.20	147.44
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubblers (Halsey-Taylor SW8A-Q)	1,324.46	147.44
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubblers (Halsey-Taylor SW14A-Q).....	1,475.68	147.44
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubblers, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,533.60	147.44
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,124.98	147.44
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubblers, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,309.98	147.44
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubblers, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,021.22	147.44
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,719.65	221.16
22 47 16 00-0014		Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubblers, 8 GPH (Halsey-Taylor RWM8A-Q)	1,530.24	147.44
22 47 16 00-0016		Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers, 8 GPH (Halsey-Taylor RC8A-Q)	3,007.82	165.87
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,684.82	165.87
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,321.40	165.87
22 47 16 00-0020		Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubblers (Halsey-Taylor SCWT4A-Q).....	1,233.70	129.01
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubblers (Halsey-Taylor SCWT8A-Q).....	1,327.81	129.01
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubblers (Halsey-Taylor SCWT14A-Q).....	1,512.01	129.01
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubblers, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,686.56	129.01
22 47 16 00-0025		Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	418.76	73.72
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	505.20	73.72
22 47 16 00-0028		Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	2,994.56	221.16

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0030	EA		Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,616.96	221.16
22 47 16 00-0031	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	1,870.06	221.16
22 47 16 00-0032			Outdoor Water Coolers (22 47 16)		
22 47 16 00-0033			Wall Mounted Outdoor Water Coolers (22 47 16 00-0032)		
22 47 16 00-0034	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,341.32	92.15
22 47 16 00-0035	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,327.12	92.15
22 47 16 00-0036			Free Standing Outdoor Water Coolers (22 47 16 00-0032)		
22 47 16 00-0037	EA		Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,217.36	138.22
22 47 16 00-0038	EA		Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,667.81	138.22
22 47 16 00-0039			Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0040	EA		Removal And Reinstallation Of Wall Hung Water Cooler.....	359.96	
22 47 16 00-0041	EA		Removal And Reinstallation Of Floor Mount Water Cooler.....	80.00	
22 47 23			Remote Water Coolers (22 47)		
22 47 23 00-0001			Remote Chillers (22 47 23)		
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	773.58	49.76
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,181.99	55.29
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,010.59	64.50
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,303.31	73.72
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,043.05	110.58
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,215.09	119.80
22 47 26			Fixture Carriers (22 47)		
22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
			Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	401.87	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For Bi-Level Carrier, Add	226.89	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	438.63	28.02
			For Up To 4" Extension Sleeves And Hardware, Add	20.31	
			For Bi-Level Carrier, Add	226.89	
22 60			Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)		
22 63			Gas Systems for Laboratory and Healthcare Facilities (22 60)		
22 63 13			Gas Piping for Laboratory and Healthcare Facilities (22 63)		
22 63 13 53			Laboratory Gas Piping (22 63 13)		
			See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2161 for PVC piping.		
22 66			Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)		
22 66 53			Laboratory Chemical-Waste and Vent Piping (22 66)		
22 66 53 00-0001			Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fittings (22 66 53 00-0001)		
22 66 53 00-0003			Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		
22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	14.21	4.20
			For Schedule 80, Add	4.10	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.51	
			For Work In Restricted Working Space, Add	1.90	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	17.78	4.72
			For Schedule 80, Add	5.54	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	4.74	
			For Work In Restricted Working Space, Add	2.14	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	29.54	6.85
			For Schedule 80, Add	10.00	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	8.56	
			For Work In Restricted Working Space, Add	3.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	40.70 14.20 12.15 4.02	8.92
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	68.87 25.59 21.90 5.90	13.12
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	55.54 7.13	15.85
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	70.82 9.41	20.93
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	102.93 10.79	23.96
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	154.17 14.27	31.70
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	332.23 21.06	46.82
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	55.00 7.13	15.85
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	69.39 9.41	20.93
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	105.68 10.79	23.96
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	126.62 14.27	31.70
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	289.53 21.06	46.82
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	90.29 15.25	33.91
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	111.37 19.23	42.76
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	164.77 21.06	46.82
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	233.75 27.65	61.48
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	429.05 44.23	98.34
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	111.31 19.23	42.76
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	158.17 21.06	46.82
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	152.30 21.06	46.82
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	218.70 27.65	61.48
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	224.37 27.65	61.48
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	387.14 44.23	98.34
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	109.55 15.25	33.91
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	116.03 19.23	42.76
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	179.03 21.06	46.82
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	240.32 27.65	61.48
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	347.79 44.23	98.34
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	101.10 15.25	33.91
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	121.39 19.23	42.76
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	170.73 21.06	46.82

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0044	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	238.69 27.65	61.48
22 66 53 00-0045	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye <i>For Work In Restricted Working Space, Add</i>	519.46 44.23	98.34
22 66 53 00-0046			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)		
22 66 53 00-0047	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	134.62 19.23	42.76
22 66 53 00-0048	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	163.94 21.06	46.82
22 66 53 00-0049	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	163.94 21.06	46.82
22 66 53 00-0050	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	232.83 27.65	61.48
22 66 53 00-0051	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	232.83 27.65	61.48
22 66 53 00-0052	EA		6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	441.58 44.23	98.34
22 66 53 00-0053	EA		6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	446.14 44.23	98.34
22 66 53 00-0054	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	389.05 44.23	98.34
22 66 53 00-0055			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)		
22 66 53 00-0056	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	125.39 19.07	42.39
22 66 53 00-0057	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	154.22 24.04	53.45
22 66 53 00-0058	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	235.99 26.33	58.53
22 66 53 00-0059	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	337.16 34.56	76.81
22 66 53 00-0060	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	625.75 55.29	122.89
22 66 53 00-0061			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	86.76 15.25	33.91
22 66 53 00-0063	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	116.60 19.23	42.76
22 66 53 00-0064	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	137.37 21.06	46.82
22 66 53 00-0065	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	196.60 27.65	61.48
22 66 53 00-0066	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.98 19.23	42.76
22 66 53 00-0067	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	131.09 21.06	46.82
22 66 53 00-0068	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	133.61 21.06	46.82
22 66 53 00-0069	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	187.25 27.65	61.48
22 66 53 00-0070	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	188.85 27.65	61.48
22 66 53 00-0071			Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	104.03 17.69	39.37
22 66 53 00-0073	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	139.60 23.28	51.75
22 66 53 00-0074	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	227.27 31.60	70.25
22 66 53 00-0075	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	338.98 40.21	89.43
22 66 53 00-0076			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	54.05 7.13	15.85
22 66 53 00-0078	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	62.91 9.41	20.93
22 66 53 00-0079	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	75.00 10.79	23.96
22 66 53 00-0080	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	103.82 14.27	31.70
22 66 53 00-0081	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	154.47 21.06	46.82

MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

22 66 53 00-0082	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0083	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	50.25 7.13	15.85
22 66 53 00-0084	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	65.78 9.41	20.93
22 66 53 00-0085	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	80.26 10.79	23.96
22 66 53 00-0086	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	108.98 14.27	31.70
22 66 53 00-0087	Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	45.53 7.13	15.85
22 66 53 00-0089	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	57.30 9.41	20.93
22 66 53 00-0090	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	67.44 10.79	23.96
22 66 53 00-0091	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	89.18 14.27	31.70
22 66 53 00-0092	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	130.71 21.06	46.82
22 66 53 00-0093	Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0094	Glass Acid Resistant DWV Pipe <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF 1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	21.16 2.43	4.05
22 66 53 00-0096	LF 2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.61 2.65	4.43
22 66 53 00-0097	LF 3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.83 3.73	6.20
22 66 53 00-0098	LF 4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	60.46 4.83	8.04
22 66 53 00-0099	LF 6" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	101.51 6.58	10.99
22 66 53 00-0100	Glass Acid Resistant DWV 90 Or 60 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0101	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	63.81 10.82	18.06
22 66 53 00-0102	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	73.29 11.48	19.16
22 66 53 00-0103	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	101.21 13.05	21.75
22 66 53 00-0104	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	149.66 17.25	28.75
22 66 53 00-0105	EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	360.49 23.89	39.81
22 66 53 00-0106	Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0107	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	63.96 10.86	18.13
22 66 53 00-0108	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	73.00 11.39	18.95
22 66 53 00-0109	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	101.07 13.01	21.67
22 66 53 00-0110	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	149.67 17.25	28.75
22 66 53 00-0111	EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	360.48 23.88	39.81
22 66 53 00-0112	Glass Acid Resistant DWV 90 Or 60 Degree Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0113	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	64.72 10.86	18.13
22 66 53 00-0114	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	73.91 11.39	18.95
22 66 53 00-0115	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	102.66 13.01	21.67
22 66 53 00-0116	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	149.67 17.25	28.75
22 66 53 00-0117	Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0118	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	64.72 10.86	18.13
22 66 53 00-0119	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	73.91 11.39	18.95
22 66 53 00-0120	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	102.66 13.01	21.67
22 66 53 00-0121	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	149.67 17.25	28.75

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 66 53 00-0122		Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)			
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	75.54		18.13
		<i>For Work In Restricted Working Space, Add</i>	10.86		
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	89.46		18.95
		<i>For Work In Restricted Working Space, Add</i>	11.39		
22 66 53 00-0125		Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)			
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	103.91		27.13
		<i>For Work In Restricted Working Space, Add</i>	16.29		
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	131.26		28.09
		<i>For Work In Restricted Working Space, Add</i>	16.85		
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	122.03		28.45
		<i>For Work In Restricted Working Space, Add</i>	17.09		
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	165.91		32.51
		<i>For Work In Restricted Working Space, Add</i>	19.51		
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	274.88		43.13
		<i>For Work In Restricted Working Space, Add</i>	25.87		
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	422.23		59.71
		<i>For Work In Restricted Working Space, Add</i>	35.83		
22 66 53 00-0132		Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	99.31		27.28
		<i>For Work In Restricted Working Space, Add</i>	16.37		
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	101.51		28.38
		<i>For Work In Restricted Working Space, Add</i>	17.03		
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	131.63		32.43
		<i>For Work In Restricted Working Space, Add</i>	19.46		
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	206.02		43.13
		<i>For Work In Restricted Working Space, Add</i>	25.88		
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	440.26		59.71
		<i>For Work In Restricted Working Space, Add</i>	35.83		
22 66 53 00-0138		Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	100.77		28.02
		<i>For Work In Restricted Working Space, Add</i>	16.81		
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	120.20		30.59
		<i>For Work In Restricted Working Space, Add</i>	18.36		
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	127.81		31.33
		<i>For Work In Restricted Working Space, Add</i>	18.80		
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	165.21		37.96
		<i>For Work In Restricted Working Space, Add</i>	22.78		
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	173.30		38.34
		<i>For Work In Restricted Working Space, Add</i>	23.00		
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	182.12		39.44
		<i>For Work In Restricted Working Space, Add</i>	23.67		
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	323.99		49.39
		<i>For Work In Restricted Working Space, Add</i>	29.64		
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	349.71		50.49
		<i>For Work In Restricted Working Space, Add</i>	30.30		
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	358.37		54.18
		<i>For Work In Restricted Working Space, Add</i>	32.51		
22 66 53 00-0148		Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	140.89		36.12
		<i>For Work In Restricted Working Space, Add</i>	21.68		
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	144.56		37.96
		<i>For Work In Restricted Working Space, Add</i>	22.78		
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	187.87		43.49
		<i>For Work In Restricted Working Space, Add</i>	26.10		
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	308.33		57.50
		<i>For Work In Restricted Working Space, Add</i>	34.50		
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	553.52		79.62
		<i>For Work In Restricted Working Space, Add</i>	47.78		
22 66 53 00-0154		Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)			
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	143.09		37.22
		<i>For Work In Restricted Working Space, Add</i>	22.34		
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	165.71		39.81
		<i>For Work In Restricted Working Space, Add</i>	23.89		
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	175.31		40.55
		<i>For Work In Restricted Working Space, Add</i>	24.33		
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	256.93		46.82
		<i>For Work In Restricted Working Space, Add</i>	28.09		
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	254.28		47.92
		<i>For Work In Restricted Working Space, Add</i>	28.75		
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	273.04		50.49
		<i>For Work In Restricted Working Space, Add</i>	30.30		
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	363.15		58.97
		<i>For Work In Restricted Working Space, Add</i>	35.38		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	395.26 36.93	61.55
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	447.86 41.13	68.56
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	109.93 16.37	27.28
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	112.13 17.03	28.38
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	144.82 19.46	32.43
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	226.71 25.87	43.13
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee <i>For Work In Restricted Working Space, Add</i>	465.09 35.83	59.71
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	111.39 16.81	28.02
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	131.28 18.36	30.59
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	134.34 18.80	31.33
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	167.63 22.78	37.96
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	172.15 23.00	38.34
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	207.01 23.67	39.44
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	395.21 30.30	50.49
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee <i>For Work In Restricted Working Space, Add</i>	411.60 32.51	54.18
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	128.13 16.37	27.28
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	143.00 17.03	28.38
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	183.73 19.46	32.43
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	315.38 25.87	43.13
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	465.09 35.83	59.71
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	101.59 16.37	27.28
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	103.79 17.03	28.38
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	140.72 19.46	32.43
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	216.17 25.87	43.13
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	433.31 35.83	59.71
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	103.05 16.81	28.02
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	124.90 18.36	30.59
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	128.35 18.80	31.33
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	174.31 22.78	37.96
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	175.95 23.00	38.34
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	191.08 23.67	39.44
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	314.11 29.63	49.39
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	363.66 30.30	50.49
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	395.21 32.51	54.18
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0202	EA		1-1/2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	163.79 21.67	36.12
22 66 53 00-0203	EA		2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	167.48 22.78	37.96
22 66 53 00-0204	EA		3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	223.42 26.09	43.49
22 66 53 00-0205	EA		4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	344.65 34.49	57.50
22 66 53 00-0206	EA		6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	573.17 47.79	79.62
22 66 53 00-0207			Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	165.99 22.33	37.22
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	171.16 23.88	39.81
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	197.51 24.32	40.55
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	242.69 28.10	46.82
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	256.11 28.75	47.92
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	300.85 30.30	50.49
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	464.12 35.38	58.97
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	487.11 36.93	61.55
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	520.93 41.14	68.56
22 66 53 00-0217			Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	113.60 16.37	27.28
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	116.30 17.03	28.38
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	148.15 19.46	32.43
22 66 53 00-0221	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	220.04 25.87	43.13
22 66 53 00-0222	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	422.46 35.83	59.71
22 66 53 00-0223			Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0224	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	115.56 16.81	28.02
22 66 53 00-0225	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	126.80 18.36	30.59
22 66 53 00-0226	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	135.93 18.80	31.33
22 66 53 00-0227	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	169.76 22.78	37.96
22 66 53 00-0228	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	176.93 23.00	38.34
22 66 53 00-0229	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	192.22 23.67	39.44
22 66 53 00-0230	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	314.79 29.63	49.39
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	357.06 30.30	50.49
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	364.87 32.51	54.18
22 66 53 00-0233			Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0234	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	152.41 21.67	36.12
22 66 53 00-0235	EA		2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	177.04 22.78	37.96
22 66 53 00-0236	EA		3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	237.84 26.09	43.49
22 66 53 00-0237	EA		4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	378.18 34.49	57.50
22 66 53 00-0238	EA		6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	626.68 47.79	79.62
22 66 53 00-0239			Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0240	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	156.36 22.33	37.22
22 66 53 00-0241	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	198.01 23.88	39.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	195.08 24.32	40.55
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	261.35 28.10	46.82
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	259.07 28.75	47.92
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	290.31 30.30	50.49
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	415.25 35.38	58.97
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	442.36 36.93	61.55
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	515.62 41.14	68.56
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	171.53 22.33	37.22
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	173.02 22.78	37.96
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	184.92 22.12	36.86
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	167.88 16.37	27.28
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	184.87 17.03	28.38
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	212.70 19.46	32.43
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	311.82 25.87	43.13
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	584.17 35.83	59.71
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	168.88 16.81	28.02
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	192.71 18.36	30.59
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	205.18 18.80	31.33
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	238.02 22.78	37.96
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	251.87 23.00	38.34
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	276.56 23.67	39.44
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	398.32 30.30	50.49
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	453.62 32.51	54.18
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.13 1.94 11.06	18.44
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.84 2.88 11.94	19.90
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.90 3.23 12.17	20.27
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.54 4.51 14.15	23.59
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.77 4.79 14.38	23.96
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.83 5.18 15.04	25.07
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.08 13.11 17.47	29.12
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.20 13.94 17.69	29.49
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.33 14.89 18.36	30.59

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0278	EA		6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.08 15.32 20.57	34.28
22 66 53 00-0279			Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	139.97 16.37	27.28
22 66 53 00-0281	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	149.54 16.81	28.02
22 66 53 00-0282	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	167.35 17.03	28.38
22 66 53 00-0283	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	151.04 16.37	27.28
22 66 53 00-0284	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	163.65 16.81	28.02
22 66 53 00-0285	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	183.28 17.03	28.38
22 66 53 00-0286	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	154.07 16.37	27.28
22 66 53 00-0287	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	163.65 16.81	28.02
22 66 53 00-0288	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	183.28 17.03	28.38
22 66 53 00-0289			Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	188.51 16.37	27.28
22 66 53 00-0291	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	235.78 16.81	28.02
22 66 53 00-0292	EA		2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	242.59 17.03	28.38
22 66 53 00-0293	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	206.94 16.37	27.28
22 66 53 00-0294	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	219.17 16.81	28.02
22 66 53 00-0295	EA		2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	246.16 17.03	28.38
22 66 53 00-0296			Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297	EA		1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	29.74 5.53	9.22
22 66 53 00-0298	EA		2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	33.42 5.75	9.58
22 66 53 00-0299	EA		3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	41.78 6.41	10.69
22 66 53 00-0300	EA		4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	65.46 8.63	14.37
22 66 53 00-0301	EA		6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	93.44 11.94	19.90
22 66 53 00-0302			Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303	EA		1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	396.19 21.67	36.12
22 66 53 00-0304	EA		1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	39.45 5.53	9.22
22 66 53 00-0305	EA		1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	43.47 5.53	9.22
22 66 53 00-0306	EA		1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	61.74 11.06	18.44
22 66 53 00-0307	EA		3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	121.40 11.50	19.16
22 66 53 00-0308	EA		6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	122.91 11.50	19.16
22 66 53 00-0309	EA		3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	138.08 11.50	19.16
22 66 53 00-0310	EA		3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	113.20 11.50	19.16
22 66 53 00-0311			Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093)		
			Note: Includes teflon spacer.		
22 66 53 00-0312	EA		1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	110.68 16.32	27.20
22 66 53 00-0313	EA		2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	115.54 17.12	28.53
22 66 53 00-0314	EA		3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	158.33 19.51	32.51
22 66 53 00-0315	EA		4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	225.20 25.90	43.20

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

22 66 53 00-0316	Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	19.04	
22 66 53 00-0318	EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	24.02	
22 66 53 00-0319	EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	32.11	
22 66 53 00-0320	EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	54.11	
22 66 53 00-0321	EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	126.04	
22 66 53 00-0322	Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small> Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	24.55	
22 66 53 00-0324	EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	30.72	
22 66 53 00-0325	EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	52.16	
22 66 53 00-0326	EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	77.75	
22 66 53 00-0327	EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	189.57	
22 66 53 00-0328	Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small> Note: Acid resistant. ASTM A518.		
22 66 53 00-0329	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330	LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	88.52	6.56
22 66 53 00-0331	LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	124.96	8.19
22 66 53 00-0332	LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	170.66	9.44
22 66 53 00-0333	LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	281.92	13.89
22 66 53 00-0334	LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	498.99	18.51
22 66 53 00-0335	LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	885.23	23.35
22 66 53 00-0336	LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,581.48	31.46
22 66 53 00-0337	LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,822.71	36.06
22 66 53 00-0338	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	342.77	55.88
22 66 53 00-0341	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	452.35	61.48
22 66 53 00-0342	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	744.43	73.57
22 66 53 00-0343	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,122.85	91.71
22 66 53 00-0344	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	2,596.55	148.80
22 66 53 00-0345	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	190.95	55.88
22 66 53 00-0347	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	252.90	61.48
22 66 53 00-0348	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	318.74	73.57
22 66 53 00-0349	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	887.68	91.71
22 66 53 00-0350	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,030.05	148.80
22 66 53 00-0351	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,095.14	185.38
22 66 53 00-0352	EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,559.97	222.94
22 66 53 00-0353	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	190.95	55.88
22 66 53 00-0355	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	252.90	61.48
22 66 53 00-0356	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	318.74	73.57
22 66 53 00-0357	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	643.58	91.71
22 66 53 00-0358	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,714.51	148.80
22 66 53 00-0359	EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,515.10	185.38
22 66 53 00-0360	EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,578.05	222.94
22 66 53 00-0361	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0362	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	190.95	55.88
22 66 53 00-0363	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	252.90	61.48
22 66 53 00-0364	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	318.57	73.50
22 66 53 00-0365	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	268.34	55.88
22 66 53 00-0367	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	488.07	61.48
22 66 53 00-0368	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	544.98	73.57
22 66 53 00-0369	Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0338)</small>		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	268.27	83.60
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	341.37	92.67
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	481.47	110.65
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	831.78	137.82
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,600.32	223.39
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,703.06	278.94
22 66 53 00-0376		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	251.15	80.14
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	295.71	86.03
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	332.96	89.05
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	382.61	98.34
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	411.13	101.44
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	454.25	104.47
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	581.19	119.26
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	647.82	122.34
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	727.69	127.96
22 66 53 00-0386		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	309.90	83.60
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	376.72	92.45
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	520.14	110.65
22 66 53 00-0390		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	292.80	80.14
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	369.30	89.50
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	447.28	101.74
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	481.50	104.76
22 66 53 00-0395		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	265.44	83.75
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	374.11	92.67
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	481.34	110.58
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	836.94	137.32
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	3,272.75	223.17
22 66 53 00-0401		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	274.94	80.14
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	295.68	86.03
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	312.90	89.57
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	349.87	98.34
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	363.67	101.59
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	442.80	104.76
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	613.66	119.41
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	734.15	122.34
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	766.39	127.96
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,910.19	180.03
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,064.97	185.98
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,534.64	195.50
22 66 53 00-0414		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	321.76	83.60
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	385.65	92.45
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	579.67	110.65
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	914.60	137.46
22 66 53 00-0419		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	263.03	80.14
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	307.59	86.03
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	342.51	89.50
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	370.70	98.34
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	432.39	101.74
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	493.36	104.68
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	652.31	119.41
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	820.54	122.41
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	900.66	128.18
22 66 53 00-0429		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	162.25	52.64
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	178.56	55.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	200.85	58.53
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	332.48	64.88
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	348.82	67.90
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	382.67	76.51
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	509.57	82.36
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	729.93	111.62
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	776.85	121.07
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasesers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	440.31	122.89
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	595.11	122.89
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	609.00	122.89
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	687.42	170.64
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	518.40	55.88
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	627.98	61.48
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	765.27	73.57
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	2,307.64	91.71
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	247.51	55.88
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	315.41	61.48
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	437.81	73.57
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	571.63	91.71
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	1,126.62	127.96
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
<small>Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.</small>		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	5.40	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	54.58	
22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
<small>Note: ASTM A518.</small>		
22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	70.33	4.94
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	80.08	5.46
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	110.70	6.85
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	139.90	7.96
22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	252.21	39.14
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	271.75	44.23
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	376.77	48.81
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	454.62	58.97
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	136.11	39.14
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	163.90	43.79
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	213.30	48.95
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	281.30	58.53
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	160.25	41.36
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	136.11	39.14
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	163.90	43.79
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	213.30	48.95
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	281.30	58.53
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	162.90	39.14
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	205.57	43.79
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	323.45	48.95

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	361.67	58.53
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	156.95	39.14
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	187.71	43.79
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	296.65	48.95
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	334.88	58.53
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	237.16	58.90
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	189.53	58.90
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	236.41	66.35
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	316.25	73.94
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	486.94	88.54
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	220.76	63.85
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	272.87	68.86
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	291.40	71.28
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	311.39	78.66
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	344.53	80.88
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	375.01	83.30
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	189.82	59.13
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	224.50	66.35
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	304.35	73.94
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	486.94	88.54
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	212.32	64.21
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	263.92	68.78
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	276.84	71.51
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	311.75	78.89
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	345.20	81.31
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	366.39	83.52
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	287.72	78.73
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	370.95	88.61
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	480.38	98.05
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	629.22	117.88
22 66 53 00-0522 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	318.54	83.38
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	358.64	88.32
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	431.49	93.19
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	476.19	103.21
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	579.30	108.44
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	323.40	78.73
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	382.68	88.47
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	558.61	98.56
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	787.18	118.03
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	348.26	83.38
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	462.80	88.32
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	488.00	93.19
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	520.81	103.13
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	671.00	108.00
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	213.05	58.68
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	248.31	66.35
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	304.35	73.94
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	519.68	88.54

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0542	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	235.70	63.92
22 66 53 00-0544	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	264.22	69.00
22 66 53 00-0545	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	288.75	71.51
22 66 53 00-0546	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	398.07	78.89
22 66 53 00-0547	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	407.72	81.31
22 66 53 00-0548	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	458.67	83.52

22 66 53 00-0549	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	344.07	78.58
22 66 53 00-0551	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	436.20	88.39
22 66 53 00-0552	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	638.46	98.27
22 66 53 00-0553	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	766.72	118.25

22 66 53 00-0554	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	375.06	83.38
22 66 53 00-0556	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	453.85	88.24
22 66 53 00-0557	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	473.12	93.19
22 66 53 00-0558	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	526.77	103.13
22 66 53 00-0559	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	671.00	108.00

22 66 53 00-0560	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	160.87	41.80
22 66 53 00-0562	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	182.41	44.23
22 66 53 00-0563	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	214.31	51.61
22 66 53 00-0564	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	258.06	49.02
22 66 53 00-0565	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	273.65	51.45
22 66 53 00-0566	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	289.24	53.89

22 66 53 00-0567	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	149.84	34.42
22 66 53 00-0569	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	174.47	38.92
22 66 53 00-0570	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	205.96	44.09
22 66 53 00-0571	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	384.13	53.67

22 66 53 00-0572	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	65.08	19.61
22 66 53 00-0574	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	77.48	21.89
22 66 53 00-0575	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	84.33	24.48
22 66 53 00-0576	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	109.39	29.27

22 66 53 00-0577	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	281.63	38.92
22 66 53 00-0579	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	288.92	43.79
22 66 53 00-0580	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	359.17	48.95
22 66 53 00-0581	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	459.91	58.53
22 66 53 00-0582	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	396.13	41.87
22 66 53 00-0583	EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	549.37	46.73
22 66 53 00-0584	EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	666.76	51.61
22 66 53 00-0585	EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	830.40	61.48

22 66 53 00-0586	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	533.99	44.45
22 66 53 00-0588	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	850.68	49.17
22 66 53 00-0589	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	557.53	44.23
22 66 53 00-0590	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	850.68	49.17

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0591			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)		
22 66 53 00-0592	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	495.02	44.23
22 66 53 00-0593	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	582.76	49.17
22 66 53 00-0594	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	575.39	44.23
22 66 53 00-0595	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,282.32	49.17
22 66 53 00-0596	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	755.42	49.17
22 66 53 00-0597			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)		
22 66 53 00-0598	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	198.88	39.37
22 66 53 00-0599	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	262.82	44.23
22 66 53 00-0600			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)		
22 66 53 00-0601	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	97.81	29.49
22 66 53 00-0602	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	187.83	32.00
22 66 53 00-0603	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	132.70	36.86
22 66 53 00-0604			Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)		
22 66 53 00-0605	EA		1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	187.96	41.94
22 66 53 00-0606	EA		1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	206.22	44.23
22 66 53 00-0607	EA		1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	230.75	46.66
22 66 53 00-0608	EA		1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	246.86	51.45
22 66 53 00-0609	EA		2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	230.78	46.73
22 66 53 00-0610	EA		2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	243.36	49.17
22 66 53 00-0611	EA		2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	262.45	53.89
22 66 53 00-0612	EA		3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	300.67	51.61
22 66 53 00-0613	EA		4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	371.97	61.48
22 66 53 00-0614			Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)		
22 66 53 00-0615	EA		1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	71.44	
22 66 53 00-0616	EA		2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	83.35	
22 66 53 00-0617	EA		3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.31	
22 66 53 00-0618	EA		4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	98.24	
22 66 53 00-0619			Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)		
22 66 53 00-0620	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	520.67	19.68
22 66 53 00-0621	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	196.34	9.80
22 66 53 00-0622	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	369.00	9.80
22 66 53 00-0623			Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)		
22 66 53 00-0624	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,856.16	98.34
22 66 53 00-0625	EA		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,298.15	103.28
22 66 53 00-0626	EA		Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,568.66	9.80
22 66 83			Chemical-Waste Tanks (22 66)		
22 66 83 16			Chemical-Waste Neutralization Tanks (22 66 83)		
22 66 83 16-0001			Acid Neutralization Tank (22 66 83 16)		
22 66 83 16-0002			Polyethylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0003	EA		5 Gallon Capacity Polyethylene Acid Neutralization Tank	387.08	150.01
22 66 83 16-0004	EA		15 Gallon Capacity Polyethylene Acid Neutralization Tank	708.71	208.01
22 66 83 16-0005	EA		30 Gallon Capacity Polyethylene Acid Neutralization Tank	877.05	300.02
22 66 83 16-0006	EA		55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,124.41	400.02
22 66 83 16-0007	EA		100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,447.55	480.03
22 66 83 16-0008	EA		150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,986.37	600.04
22 66 83 16-0009	EA		200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,286.15	750.05
22 66 83 16-0010	EA		275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,977.21	900.05
22 66 83 16-0011	EA		350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,373.12	1,080.06
22 66 83 16-0012			Polypropylene Acid Neutralization Tank (22 66 83 16-0001)		
22 66 83 16-0013	EA		5 Gallon Capacity Polypropylene Acid Neutralization Tank	648.98	150.01
22 66 83 16-0014	EA		15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,123.38	208.01
22 66 83 16-0015	EA		30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,818.72	300.02
22 66 83 16-0016	EA		55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,396.50	400.02
22 66 83 16-0017	EA		100 Gallon Capacity Polypropylene Acid Neutralization Tank	3,035.55	480.03
22 66 83 16-0018	EA		150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,398.72	600.04
22 66 83 16-0019	EA		200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,692.28	750.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,432.47	900.05
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	5,861.11	1,080.06
22 66 83 16-0022		Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	356.86	50.01
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	368.55	50.01
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	380.24	50.01
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	415.72	60.00

END OF SECTION 22

22 Plumbing

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	369.71
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	528.15
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	555.22
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	612.69
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,109.80
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	497.41
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	715.27
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	758.97
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	851.34
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,548.58
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	592.37
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	875.17
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,071.21
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,240.64
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	6,093.11

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping and Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	20.00
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	24.00
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	28.01
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	32.00
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	40.01
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	8.00
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	2.71

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	249.01
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23 01 20 91-0011 Pipe Freezing ^(23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location.....	661.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First.....	275.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location.....	806.52
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	315.52
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location.....	1,151.82
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	355.82
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,317.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First.....	430.00
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	1,997.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First.....	493.34
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	4,362.66
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First.....	696.66
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location.....	5,803.15
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First.....	1,068.15
Note: Includes freezing on each side of valve or fitting.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location.....	8,059.36
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First	1,504.36
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location.....	10,420.32
		Note: Includes freezing on each side of valve or fitting.	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First	2,005.32
		Note: Includes freezing on each side of valve or fitting.	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.35
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	1.87
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	2.90
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	4.03
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	5.00
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	6.35
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	8.34
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	10.01

23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System.....	168.13
		Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	

23 01 20 91-0041 Purge Liquid Systems (23 01 20 91)

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	126.49
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	158.11
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	225.66
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	270.41
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	285.87
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	545.79
23 01 20 91-0048	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	263.40
23 01 20 91-0049	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	376.18
23 01 20 91-0050	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	450.74
23 01 20 91-0051	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	476.50
23 01 20 91-0052	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	909.68
23 01 20 91-0053	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	350.61
23 01 20 91-0054	EA	>100 To 250', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	500.32
23 01 20 91-0055	EA	>250 To 500', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	595.62
23 01 20 91-0056	EA	>500 To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	633.32
23 01 20 91-0057	EA	>1,000 To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,220.30
23 01 20 91-0058	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	432.25
23 01 20 91-0059	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	617.68
23 01 20 91-0060	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	1,752.91
23 01 20 91-0061	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	2,781.79

23 01 20 91-0062 Add-A-Valve Emergency Shut Off Device (23 01 20 91)

23 01 20 91-0063	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	269.36
23 01 20 91-0064	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	339.39
23 01 20 91-0065	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	471.34
23 01 20 91-0066	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	723.28
23 01 20 91-0067	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	893.72
23 01 20 91-0068	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,352.52

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)**

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork	2.40
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	0.60
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	3.00
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	0.75
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	4.03
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.01
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork	5.73
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.43
23 01 30 51-0006	SF	Clean Duct Dampers.....	8.04
23 01 30 51-0007	SF	Clean Duct Fire Dampers	16.08
23 01 30 51-0008	SF	Clean Louver.....	6.44
23 01 30 51-0009	EA	Clean Turning Vane Set.....	19.30

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 30 51-0010	EA	Clean Grille/Diffuser/Register	Note: Includes removal and reinstallation.	19.30	
23 01 30 51-0011	LF	Clean Linear Diffuser	Note: Includes removal and reinstallation.	4.83	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors		87.24	
		<i>For Stainless Steel, Add</i>		87.98	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit		57.89	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit		77.20	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)		77.20	
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit		77.20	
23 01 30 51-0017	EA	Clean Supply Or Return Fan		154.39	
23 01 30 51-0018	EA	Clean Exhaust Fan		135.10	
23 01 30 51-0019	EA	Clean Duct Coil		115.80	
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	Note: Excluding fan and coils.	3.86	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan		154.39	
23 01 30 51-0022	EA	Clean Air Handling Unit Coil		231.60	
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime		2.18	
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime		2.56	
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms		0.57	
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge	Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	579.85	
23 01 30 51-0027	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning		0.35	

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)

23 01 30 61-0001		Repair And Seal Ductwork	(23 01 30 61) Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair And Sealing Of Ductwork	Note: Clean, apply sealant and tape	1.49	

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)

23 01 50 61 Central Heating Equipment Repair (23 01 50)

23 01 50 61-0001		Boiler Repairs	(23 01 50 61)		
23 01 50 61-0002		Setup And Maintenance	(23 01 50 61-0001)		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance	Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	1,804.61	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance	Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	1,968.00	
		<i>For Burner Seals, Add</i>		580.46	
		<i>Note: Used when burner must be removed from door for maintenance.</i>			
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance	Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,406.16	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance	Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,203.08	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance	Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,406.16	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole		75.19	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole		225.57	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch		8.62	
23 01 50 61-0011		Boiler Tube Replacement	(23 01 50 61-0001)		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube		180.46	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube		225.58	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube		315.80	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	6.26	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	7.28	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	8.29	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	11.80	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	13.79	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination	Note: Includes black steel tube, fasteners and accessories.	17.59	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		22.55	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)		33.84	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		45.12	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)		56.39	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)		67.67	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)		78.96	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)		67.67	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)		90.23	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)		112.79	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)		135.35	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)		157.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube).....	180.46	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	271.91	

23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,136.49	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,509.73	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,818.63	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,004.44	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,027.73	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,396.46	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,585.84	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,241.36	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,430.67	

23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold.....	100.07	
Note: Includes support, linkages and removal of existing.				
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold.....	1,496.30	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.				

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	7,351.00	785.47
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	10,627.08	972.47
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	12,548.82	1,178.12
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	14,819.55	1,268.84

23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)

Note: 3 LB chemical per 50 gallon system water.

23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda.....	1.17	
Note: Includes disposal after treatment.				
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate.....	1.75	
Note: Includes disposal after treatment.				
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	109.38	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)**23 01 60 61 Central Cooling Equipment Repair** (23 01 60)**23 01 60 61-0001 Cooling Tower Repairs** (23 01 60 61)

23 01 60 61-0002	EA	Removal And Replacement Of 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	2,415.33	
23 01 60 61-0003	EA	Removal And Replacement Of 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,849.86	
23 01 60 61-0004	EA	Removal And Replacement Of 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	3,281.20	
23 01 60 61-0005	EA	Removal And Replacement Of 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	3,879.08	
23 01 60 61-0006	EA	Removal And Replacement Of 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	4,277.13	
23 01 60 61-0007	EA	Removal And Replacement Of 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	2,664.73	
23 01 60 61-0008	EA	Removal And Replacement Of 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,969.20	
23 01 60 61-0009	EA	Removal And Replacement Of 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	3,492.53	
23 01 60 61-0010	EA	Removal And Replacement Of 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	3,984.15	
23 01 60 61-0011	EA	Removal And Replacement Of 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	4,391.72	
23 01 60 61-0012	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	663.29	
23 01 60 61-0013	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	688.11	
23 01 60 61-0014	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	735.15	
23 01 60 61-0015	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	856.71	
23 01 60 61-0016	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,062.31	
23 01 60 61-0017	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,437.61	
23 01 60 61-0018	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,511.59	
23 01 60 61-0019	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,622.58	
23 01 60 61-0020	EA	Removal And Replacement Of Counterflow Nozzle (1/2" - 2" NPT Thread).....	28.08	
23 01 60 61-0021	EA	Removal And Replacement Of 6' Polyvinyl Chloride (PVC) Splash Fill.....	16.73	

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling** (23 01 60 71)

23 01 60 71-0002	LB	Recovery Of Refrigerant.....	6.27	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	11.75	
Note: Includes cleaning refrigerant gas prior to recharging.				

23 05 Common Work Results for HVAC (23)**23 05 13 Common Motor Requirements for HVAC Equipment** (23 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0003

Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	613.18	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	694.31	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	683.67	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	726.23	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	952.35	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	803.38	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	778.11	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	973.63	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	839.29	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,239.65	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	888.51	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	919.10	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,624.05	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,409.91	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,351.38	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,947.27	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,612.08	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,636.02	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,533.84	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,290.43	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,317.03	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,417.03	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,690.79	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,908.93	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,159.22	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,230.81	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,546.05	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,023.79	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,812.07	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,877.24	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,240.59	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,912.06	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,058.37	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,349.66	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,582.43	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,768.88	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,028.25	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,879.75	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,627.03	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,491.59	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,036.93	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,912.38	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,312.74	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,694.94	

23 05 13 00-0050

Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,465.85	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,038.03	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,474.77	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,775.61	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,061.82	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,185.75	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,677.42	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,884.52	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,652.85	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,091.78	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,509.52	

23 05 13 00-0062

Premium Efficient, TEFC Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063

Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	716.92	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	790.08	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	812.69	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	820.67	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	889.84	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	851.26	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	986.93	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.66	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,094.67	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,029.50	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,705.19	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,640.01	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,484.39	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,662.62	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,675.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)					
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,022.85		
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,145.22		
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,080.04		
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,060.09		
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,363.35		
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,135.91		
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,110.63		
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,384.63		
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,226.35		
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,260.93		
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,725.14		
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,509.66		
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,262.26		
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,001.80		
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,747.75		
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,683.91		
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,854.39		
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,048.35		
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,888.74		
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,258.74		
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,822.47		
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,583.05		
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,346.77		
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,097.80		
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,132.39		
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,787.27		
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,042.17		
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,096.71		
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,548.08		
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,802.99		
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,860.19		
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.28		
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,584.00		
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,355.22		
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,426.42		
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,202.49		
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,945.78		
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,390.98		
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,118.07		
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,994.37		
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,826.39		
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,771.38		
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,686.26		
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,100.86		
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,512.72		
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,966.99		
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,667.09		
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	25,974.19		
23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)					
Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.					
23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,062.75		
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,167.83		
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,290.20		
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,812.93		
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,209.06		
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,190.44		
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,509.66		
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,255.85		
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,264.93		
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,242.31		
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,529.62		
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,845.08		
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,496.36		
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,572.18		
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,207.97		
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,085.83		
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,840.86		
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,600.11		
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,237.23		
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,912.06		
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,402.16		
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,015.10		
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,201.55		
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,617.01		
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,557.78		
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,412.80		
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,159.22		
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,552.07		
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,272.05		
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,073.86		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,768.41	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,746.74	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,817.39	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,297.32	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,478.92	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,971.76	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,587.51	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,314.84	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,770.21	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,593.07	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,123.55	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,728.12	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,683.99	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,703.70	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,878.89	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,052.43	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,868.87	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,587.83	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,686.26	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,546.36	
23 05 13 00-0181	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,828.19	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,064.24	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,323.38	
23 05 13 00-0184	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,263.84	
23 05 13 00-0185	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,421.41	
23 05 13 00-0186	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,176.68	
23 05 13 00-0187	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,188.49	
23 05 13 00-0188	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,295.76	
23 05 13 00-0189	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,124.18	
23 05 13 00-0190	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	23,936.48	
23 05 13 00-0191	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,621.01	
23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,404.20	
23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,987.73	
23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,786.88	
23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	26,951.82	
23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	35,351.40	

23 05 13 00-0197

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,417.89	
23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,468.43	
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,601.44	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,979.19	
23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,194.66	
23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,024.65	
23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,087.16	
23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,179.17	
23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,764.42	
23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,259.45	
23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,025.59	
23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	9,187.00	
23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	10,346.85	
23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	14,474.15	
23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	16,992.03	
23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,699.02	
23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	27,054.23	
23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	30,868.96	

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA		1/2 HP Motor Mounting.....	129.72	66.00
23 05 13 00-0218	EA		3/4 HP Motor Mounting.....	149.47	82.51
23 05 13 00-0219	EA		1 HP Motor Mounting.....	159.89	82.51
23 05 13 00-0220	EA		1-1/2 HP Motor Mounting.....	171.88	82.51
23 05 13 00-0221	EA		2 HP Motor Mounting.....	185.81	99.00
23 05 13 00-0222	EA		3 HP Motor Mounting.....	214.85	99.00
23 05 13 00-0223	EA		5 HP Motor Mounting.....	254.64	165.01
23 05 13 00-0224	EA		7-1/2 HP Motor Mounting.....	327.39	165.01
23 05 13 00-0225	EA		10 HP Motor Mounting.....	429.71	288.76
23 05 13 00-0226	EA		15 HP Motor Mounting.....	528.87	288.76
23 05 13 00-0227	EA		20 HP Motor Mounting.....	625.02	412.52
23 05 13 00-0228	EA		25 HP Motor Mounting.....	708.79	412.52
23 05 13 00-0229	EA		30 HP Motor Mounting.....	859.40	412.52
23 05 13 00-0230	EA		40 HP Motor Mounting.....	968.34	618.77
23 05 13 00-0231	EA		50 HP Motor Mounting.....	1,074.26	618.77
23 05 13 00-0232	EA		75 HP Motor Mounting.....	1,297.21	907.53
23 05 13 00-0233	EA		100 HP Motor Mounting.....	1,562.55	907.53
23 05 13 00-0234	EA		125 HP Motor Mounting.....	1,909.79	1,237.54
23 05 13 00-0235	EA		150 HP Motor Mounting.....	2,217.82	1,237.54
23 05 13 00-0236	EA		200 HP Motor Mounting.....	2,546.39	1,485.05

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 16 00-0001		Stainless Steel Bellows Type Expansion Joints (23 05 16) Note: Includes internal sleeves and external covers.			
23 05 16 00-0002		Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.			
23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	152.92		64.53
		For 300 LB Rating, Add	5.95		
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	171.52		72.76
		For 300 LB Rating, Add	6.52		
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	200.78		83.41
		For 300 LB Rating, Add	8.50		
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	226.80		93.10
		For 300 LB Rating, Add	10.20		
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	245.45		100.07
		For 300 LB Rating, Add	11.33		
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	283.03		117.75
		For 300 LB Rating, Add	11.90		
23 05 16 00-0009		Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.			
23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	625.73		64.55
		For 300 LB Rating, Add	136.39		
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	678.28		77.47
		For 300 LB Rating, Add	145.30		
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	704.29		98.35
		For 300 LB Rating, Add	145.33		
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	758.53		106.98
		For 300 LB Rating, Add	156.10		
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	831.69		125.43
		For 300 LB Rating, Add	168.68		
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	991.29		210.27
		For 300 LB Rating, Add	181.95		
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,380.81		236.92
		For 300 LB Rating, Add	271.28		
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,259.54		263.24
		For 300 LB Rating, Add	232.33		
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,622.41		336.36
		For 300 LB Rating, Add	301.14		
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,070.03		409.48
		For 300 LB Rating, Add	389.55		
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,734.68		310.18
		For 300 LB Rating, Add	528.38		
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,500.89		584.98
		For 300 LB Rating, Add	692.42		
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,569.36		643.47
		For 300 LB Rating, Add	941.26		
23 05 16 00-0023		Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.			
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	615.18		88.54
		For 300 LB Rating, Add	109.54		
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	645.38		89.27
		For 300 LB Rating, Add	116.71		
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	651.54		92.22
		For 300 LB Rating, Add	116.73		
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	702.86		100.56
		For 300 LB Rating, Add	125.38		
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	779.81		118.26
		For 300 LB Rating, Add	135.76		
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,055.09		235.50
		For 300 LB Rating, Add	146.14		
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,365.62		247.67
		For 300 LB Rating, Add	217.89		
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,294.44		274.21
		For 300 LB Rating, Add	186.61		
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,593.24		313.33
		For 300 LB Rating, Add	241.88		
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,017.76		383.89
		For 300 LB Rating, Add	312.88		
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,628.19		465.34
		For 300 LB Rating, Add	424.39		
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,258.59		473.83
		For 300 LB Rating, Add	577.68		
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,325.98		592.28
		For 300 LB Rating, Add	785.29		
23 05 17		Sleeves and Sleeve Seals for HVAC Piping (23 05)			
23 05 17 00-0001		Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.			
23 05 17 00-0002		Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.			
23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	86.37		35.09
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	106.49		40.98
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	130.16		49.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	184.95	73.72
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	237.96	98.27
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	293.40	122.89
23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)					
Note: Includes link seals 12" length.					
23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals	101.14	35.71
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals	126.05	38.72
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals	149.76	41.71
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals	185.20	50.04
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals	270.30	62.50
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals	478.66	75.02
23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	559.55	93.78
23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	744.61	115.39
23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,013.88	150.05
23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,114.91	187.56
23 05 19 Meters and Gages for HVAC Piping (23 05)					
See CSI section 33 19 00 00-0000 for water utility service metering.					
23 05 19 00-0001 Thermometers (23 05 19)					
23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)					
Note: Various ranges.					
23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	88.43	25.62
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	106.79	25.62
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	106.79	25.62
23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)					
Note: Various ranges.					
23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	125.15	25.62
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	125.15	25.62
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	163.55	25.62
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	130.16	25.62
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	138.51	25.62
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	168.56	25.62
23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)					
Note: Various ranges. Socket connection for thermowell.					
23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	125.15	25.62
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	125.15	25.62
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.55	25.62
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	146.86	25.62
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	163.55	25.62
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	167.81	25.62
23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)					
23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell	131.10	48.03
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell	131.04	48.03
23 05 19 00-0023 Pressure Gauges (23 05 19)					
23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)					
23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	30.69	10.00
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	40.54	10.00
23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)					
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	184.87	10.00
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	184.87	10.00
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	240.86	10.00
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	570.58	10.00
23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)					
Note: Liquid filled.					
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	100.98	10.00
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	230.47	10.00
23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)					
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	318.84	10.00
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	318.84	10.00
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	318.84	10.00
23 05 19 00-0039 Gauge Accessories (23 05 19 00-0023)					
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	68.53	8.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 19 00-0041	EA	1/4" Snubber Valve		40.68	8.00
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock		25.34	12.01
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock		21.45	12.01
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon		22.70	12.01
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple		4.77	4.00
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let		50.67	20.01
23 05 19 00-0047	EA	1/4", 300 LB, Black Steel Union		64.74	8.00
23 05 19 00-0048	EA	1/4" Black Steel Coupling		17.81	8.00
23 05 19 00-0049	EA	1/4", 300 LB, Black Steel Plug		10.02	4.80
23 05 19 00-0050	EA	1/4", 150 LB, Black Steel Cap		10.63	4.80
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe		5.68	2.64
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe		5.34	2.64
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe		5.90	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve		84.44	
23 05 19 00-0055		Valve Lock Covers (23 05 19)			
23 05 19 00-0056	EA	Valve Lock Cover		60.65	12.25
23 05 19 00-0057		Venturi Flowmeters (23 05 19)			
23 05 19 00-0058		Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)			
23 05 19 00-0059	EA	3/4" Threaded, Brass, Venturi Flowmeter		229.77	54.43
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0060	EA	1" Threaded, Brass, Venturi Flowmeter		252.84	65.32
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0061	EA	1-1/4" Threaded, Brass, Venturi Flowmeter		278.77	72.61
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0062	EA	1-1/2" Threaded, Brass, Venturi Flowmeter		314.23	81.66
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0063	EA	2" Threaded, Brass, Venturi Flowmeter		374.76	93.34
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0064	EA	2-1/2" Threaded, Brass, Venturi Flowmeter		518.38	134.78
		For Portable Venturi Flow Meter, Add		995.00	
23 05 19 00-0065		Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)			
23 05 19 00-0066	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter		785.34	112.54
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		196.09	
23 05 19 00-0067	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter		1,073.14	135.04
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		281.07	
23 05 19 00-0068	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter		1,402.13	168.80
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		372.58	
23 05 19 00-0069	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter		1,682.75	225.07
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		431.41	
23 05 19 00-0070	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter		2,426.43	270.08
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		660.19	
23 05 19 00-0071	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter		3,906.13	337.61
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		1,130.82	
23 05 19 00-0072	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter		5,893.70	500.32
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		1,712.57	
23 05 19 00-0073	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter		8,298.95	750.49
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		2,379.29	
23 05 19 00-0074	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter		12,219.56	833.87
		For Portable Venturi Flow Meter, Add		995.00	
		For Flanged Ends, Add		3,693.13	
23 05 19 00-0075		Turbine Flowmeter (23 05 19)			
23 05 19 00-0076	EA	Saddle Mount Turbine Flowmeter		543.59	60.04
23 05 19 00-0077		Sight Flow Indicator (23 05 19)			
23 05 19 00-0078		Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)			
23 05 19 00-0079	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		118.77	11.65
23 05 19 00-0080	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		124.03	12.26
23 05 19 00-0081	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		134.22	12.88
23 05 19 00-0082	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		149.67	17.36
23 05 19 00-0083	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		178.84	21.04
23 05 19 00-0084	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		202.21	26.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0085	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	288.07	30.80
23 05 19 00-0086	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	318.68	36.40
23 05 19 00-0087			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0088	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	155.18	11.65
23 05 19 00-0089	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	159.63	12.26
23 05 19 00-0090	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	172.25	12.88
23 05 19 00-0091	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	182.03	17.36
23 05 19 00-0092	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	192.59	21.04
23 05 19 00-0093	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	207.87	26.64
23 05 19 00-0094	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	398.10	30.80
23 05 19 00-0095	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	425.48	36.40
23 05 19 00-0096			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0097	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	225.56	11.65
23 05 19 00-0098	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	238.11	12.26
23 05 19 00-0099	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	258.82	12.88
23 05 19 00-0100	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	280.73	17.36
23 05 19 00-0101	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	322.04	21.04
23 05 19 00-0102	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	339.74	26.64
23 05 19 00-0103	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	689.36	30.80
23 05 19 00-0104	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	724.82	36.40
23 05 19 00-0105			Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0106	EA		1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	152.75	11.65
23 05 19 00-0107	EA		3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	158.82	12.26
23 05 19 00-0108	EA		1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	168.20	12.88
23 05 19 00-0109	EA		3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	181.22	17.36
23 05 19 00-0110	EA		1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	191.78	21.04
23 05 19 00-0111	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	207.87	26.64
23 05 19 00-0112	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	393.25	30.80
23 05 19 00-0113	EA		2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	419.00	36.40
23 05 19 00-0114			Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0115	EA		1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	223.94	11.65
23 05 19 00-0116	EA		3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	241.35	12.26
23 05 19 00-0117	EA		1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	263.67	12.88
23 05 19 00-0118	EA		3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	280.73	17.36
23 05 19 00-0119	EA		1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	322.04	21.04
23 05 19 00-0120	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	342.98	26.64
23 05 19 00-0121	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	689.36	30.80
23 05 19 00-0122	EA		2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	724.82	36.40
23 05 19 00-0123			Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0124	EA		1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	328.51	21.04
23 05 19 00-0125	EA		1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	368.87	26.64
23 05 19 00-0126	EA		1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	419.14	30.80
23 05 19 00-0127	EA		2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	470.78	36.40
23 05 19 00-0128			Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0129	EA		1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	722.17	84.00
23 05 19 00-0130	EA		2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	805.26	106.65
23 05 19 00-0131	EA		3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,189.60	125.33
23 05 19 00-0132	EA		4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS).....	1,792.80	210.10

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 19 Meters and Gages for HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 19 00-0133	EA		6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,922.64	263.09
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23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)

23 05 19 00-0135	EA		1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	554.44	60.00
23 05 19 00-0136	EA		1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	654.91	70.00
23 05 19 00-0137	EA		1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	705.59	84.00
23 05 19 00-0138	EA		2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	884.14	106.65
23 05 19 00-0139	EA		3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,286.28	125.33
23 05 19 00-0140	EA		4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,897.57	210.10

23 05 19 00-0141 Water Flow Switches (23 05 19)

23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	202.27	23.61
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	209.68	23.61
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	272.25	23.61
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	281.73	23.61
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	219.16	23.61
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	227.79	23.61
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	289.14	23.61
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	297.77	23.61
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	576.02	23.61
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	584.39	23.61
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	663.93	23.61
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	675.44	23.61
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	595.90	23.61
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	607.41	23.61
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	683.81	23.61
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	696.37	23.61

23 05 23 General-Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves (23 05 23)

23 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

23 05 23 00-0003	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	66.90	8.00
			<i>For 150 LB Rating, Add</i>	4.36	
			<i>For 200 LB Rating, Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	6.99	
23 05 23 00-0004	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	68.12	8.00
			<i>For 150 LB Rating, Add</i>	4.36	
			<i>For 200 LB Rating, Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 23 00-0005	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	69.66	8.00
			<i>For 150 LB Rating, Add</i>	4.39	
			<i>For 200 LB Rating, Add</i>	6.58	
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 23 00-0006	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	81.91	8.80
			<i>For 150 LB Rating, Add</i>	4.71	
			<i>For 200 LB Rating, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0007	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	99.84	10.00
			<i>For 150 LB Rating, Add</i>	5.77	
			<i>For 200 LB Rating, Add</i>	8.66	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
23 05 23 00-0008	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	147.60	10.65
			<i>For 150 LB Rating, Add</i>	9.43	
			<i>For 200 LB Rating, Add</i>	14.14	
			<i>For Work In Restricted Working Space, Add</i>	16.00	
23 05 23 00-0009	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	163.98	12.32
			<i>For 150 LB Rating, Add</i>	10.24	
			<i>For 200 LB Rating, Add</i>	15.37	
			<i>For Work In Restricted Working Space, Add</i>	18.46	
23 05 23 00-0010	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	196.84	14.56
			<i>For 150 LB Rating, Add</i>	12.41	
			<i>For 200 LB Rating, Add</i>	18.62	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
23 05 23 00-0011	EA		2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	458.30	19.68
			<i>For 150 LB Rating, Add</i>	36.00	
			<i>For 200 LB Rating, Add</i>	54.00	
			<i>For Chain Operated Type, Add</i>	162.00	
			<i>For Work In Restricted Working Space, Add</i>	29.49	
23 05 23 00-0012	EA		3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	538.24	22.85
			<i>For 150 LB Rating, Add</i>	42.48	
			<i>For 200 LB Rating, Add</i>	63.72	
			<i>For Work In Restricted Working Space, Add</i>	34.03	

23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

23 05 23 00-0014	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	81.42	8.00
			<i>For 150 LB Rating, Add</i>	5.81	
			<i>For 200 LB Rating, Add</i>	8.72	
			<i>For Work In Restricted Working Space, Add</i>	6.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0015	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	82.52	8.00
			For 150 LB Rating, Add	5.80	
			For 200 LB Rating, Add	8.70	
			For Work In Restricted Working Space, Add	7.36	
23 05 23 00-0016	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	96.50	8.00
			For 150 LB Rating, Add	7.07	
			For 200 LB Rating, Add	10.60	
			For Work In Restricted Working Space, Add	7.74	
23 05 23 00-0017	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	108.75	8.80
			For 150 LB Rating, Add	7.40	
			For 200 LB Rating, Add	11.10	
			For Work In Restricted Working Space, Add	10.43	
23 05 23 00-0018	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	130.47	10.00
			For 150 LB Rating, Add	8.84	
			For 200 LB Rating, Add	13.25	
			For Work In Restricted Working Space, Add	12.63	
23 05 23 00-0019	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	189.49	10.65
			For 150 LB Rating, Add	13.62	
			For 200 LB Rating, Add	20.42	
			For Work In Restricted Working Space, Add	16.00	
23 05 23 00-0020	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	216.68	12.32
			For 150 LB Rating, Add	15.51	
			For 200 LB Rating, Add	23.27	
			For Work In Restricted Working Space, Add	18.46	
23 05 23 00-0021	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	278.26	14.56
			For 150 LB Rating, Add	20.55	
			For 200 LB Rating, Add	30.83	
			For Work In Restricted Working Space, Add	21.82	
23 05 23 00-0022			Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0001)		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0023	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	53.70	8.00
			For 150 LB Rating, Add	3.04	
			For 200 LB Rating, Add	4.56	
			For 250 LB Rating, Add	7.60	
			For 300 LB Rating, Add	10.64	
			For Work In Restricted Working Space, Add	6.99	
23 05 23 00-0024	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve	54.92	8.00
			For 150 LB Rating, Add	3.04	
			For 200 LB Rating, Add	4.56	
			For 250 LB Rating, Add	7.60	
			For 300 LB Rating, Add	10.64	
			For Work In Restricted Working Space, Add	7.36	
23 05 23 00-0025	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	56.21	8.00
			For 150 LB Rating, Add	3.04	
			For 200 LB Rating, Add	4.56	
			For 250 LB Rating, Add	7.60	
			For 300 LB Rating, Add	10.64	
			For Work In Restricted Working Space, Add	7.74	
23 05 23 00-0026	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve	71.06	8.80
			For 150 LB Rating, Add	3.63	
			For 200 LB Rating, Add	5.44	
			For 250 LB Rating, Add	9.07	
			For 300 LB Rating, Add	12.70	
			For Work In Restricted Working Space, Add	10.43	
23 05 23 00-0027	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve	96.91	10.00
			For 150 LB Rating, Add	5.48	
			For 200 LB Rating, Add	8.22	
			For 250 LB Rating, Add	13.70	
			For 300 LB Rating, Add	19.18	
			For Work In Restricted Working Space, Add	12.63	
23 05 23 00-0028	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	127.23	10.65
			For 150 LB Rating, Add	7.39	
			For 200 LB Rating, Add	11.08	
			For 250 LB Rating, Add	18.47	
			For 300 LB Rating, Add	25.86	
			For Work In Restricted Working Space, Add	16.00	
23 05 23 00-0029	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	154.65	12.32
			For 150 LB Rating, Add	9.31	
			For 200 LB Rating, Add	13.97	
			For 250 LB Rating, Add	23.28	
			For 300 LB Rating, Add	32.59	
			For Work In Restricted Working Space, Add	18.46	
23 05 23 00-0030	EA		2" Diameter, 125 LB, Threaded Bronze Gate Valve	199.94	14.56
			For 150 LB Rating, Add	12.72	
			For 200 LB Rating, Add	19.08	
			For 250 LB Rating, Add	31.80	
			For 300 LB Rating, Add	44.52	
			For Work In Restricted Working Space, Add	21.82	
23 05 23 00-0031	EA		2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	461.11	19.68
			For 150 LB Rating, Add	36.28	
			For 200 LB Rating, Add	54.42	
			For 250 LB Rating, Add	90.71	
			For 300 LB Rating, Add	126.99	
			For Chain Operated Type, Add	163.27	
			For Work In Restricted Working Space, Add	29.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0032	EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve	547.12	22.85
	For 150 LB Rating, Add	43.37	
	For 200 LB Rating, Add	65.06	
	For 250 LB Rating, Add	108.43	
	For 300 LB Rating, Add	151.80	
	For Chain Operated Type, Add	195.17	
	For Work In Restricted Working Space, Add	34.03	
23 05 23 00-0033	EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,162.21	25.80
	For 150 LB Rating, Add	103.32	
	For 200 LB Rating, Add	154.98	
	For 250 LB Rating, Add	258.30	
	For 300 LB Rating, Add	361.62	
	For Chain Operated Type, Add	464.94	
	For Work In Restricted Working Space, Add	38.70	
23 05 23 00-0034	200 PSI, Non Rising Stem, Crimped Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 200 psi cold working pressure.		
23 05 23 00-0035	EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	97.78	8.00
	For Work In Restricted Working Space, Add	5.40	
23 05 23 00-0036	EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	110.08	8.80
	For Work In Restricted Working Space, Add	6.15	
23 05 23 00-0037	EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	145.14	10.00
	For Work In Restricted Working Space, Add	7.35	
23 05 23 00-0038	EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	199.12	10.65
	For Work In Restricted Working Space, Add	8.10	
23 05 23 00-0039	EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	231.08	12.32
	For Work In Restricted Working Space, Add	9.00	
23 05 23 00-0040	EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	319.09	14.56
	For Work In Restricted Working Space, Add	10.80	
23 05 23 00-0041	Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0042	EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	241.12	12.32
	For 150 LB Rating, Add	35.92	
	For 250 LB Rating, Add	62.85	
	For Chain Operated Type, Add	62.85	
	For Work In Restricted Working Space, Add	18.46	
23 05 23 00-0043	EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	376.17	14.56
	For 150 LB Rating, Add	60.69	
	For 250 LB Rating, Add	106.20	
	For Chain Operated Type, Add	106.20	
	For Work In Restricted Working Space, Add	21.82	
23 05 23 00-0044	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	554.67	19.68
	For 150 LB Rating, Add	91.28	
	For 250 LB Rating, Add	159.73	
	For Chain Operated Type, Add	159.73	
	For Work In Restricted Working Space, Add	29.49	
23 05 23 00-0045	EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	712.21	22.85
	For 150 LB Rating, Add	119.76	
	For 250 LB Rating, Add	209.58	
	For Chain Operated Type, Add	209.58	
	For Work In Restricted Working Space, Add	34.03	
23 05 23 00-0046	EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,740.89	25.80
	For 150 LB Rating, Add	322.38	
	For 250 LB Rating, Add	564.16	
	For Chain Operated Type, Add	564.16	
	For Work In Restricted Working Space, Add	38.70	
23 05 23 00-0047	Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0048	EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	337.68	84.00
	For 150 LB Rating, Add	67.40	
	For 250 LB Rating, Add	116.21	
	For 300 LB Rating, ASTM A182, Add	285.05	
	For Chain Operated Type, Add	116.21	
	For Work In Restricted Working Space, Add	31.58	
23 05 23 00-0049	EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	376.41	106.65
	For 150 LB Rating, Add	70.49	
	For 250 LB Rating, Add	121.54	
	For 300 LB Rating, ASTM A182, Add	309.74	
	For Chain Operated Type, Add	121.54	
	For Work In Restricted Working Space, Add	40.00	
23 05 23 00-0050	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	425.68	106.89
	For 150 LB Rating, Add	84.58	
	For 250 LB Rating, Add	145.82	
	For 300 LB Rating, ASTM A182, Add	358.66	
	For Chain Operated Type, Add	145.82	
	For Work In Restricted Working Space, Add	40.21	
23 05 23 00-0051	EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	521.38	125.33
	For 150 LB Rating, Add	105.71	
	For 250 LB Rating, Add	182.27	
	For 300 LB Rating, ASTM A182, Add	442.96	
	For Chain Operated Type, Add	182.27	
	For Work In Restricted Working Space, Add	47.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0052	EA		4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	749.35	210.10
			For 150 LB Rating, Add	140.96	
			For 250 LB Rating, Add	243.03	
			For 300 LB Rating, ASTM A182, Add	617.71	
			For Chain Operated Type, Add	243.03	
			For Work In Restricted Working Space, Add	78.99	
23 05 23 00-0053	EA		5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	927.34	236.78
			For 150 LB Rating, Add	183.23	
			For 250 LB Rating, Add	315.91	
			For 300 LB Rating, ASTM A182, Add	779.58	
			For Chain Operated Type, Add	315.91	
			For Work In Restricted Working Space, Add	88.66	
23 05 23 00-0054	EA		6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,107.58	263.09
			For 150 LB Rating, Add	225.49	
			For 250 LB Rating, Add	388.77	
			For 300 LB Rating, ASTM A182, Add	942.56	
			For Chain Operated Type, Add	388.77	
			For Work In Restricted Working Space, Add	99.01	
23 05 23 00-0055	EA		8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,705.61	336.17
			For 150 LB Rating, Add	373.52	
			For 250 LB Rating, Add	644.01	
			For 300 LB Rating, ASTM A182, Add	1,496.81	
			For Chain Operated Type, Add	644.01	
			For Work In Restricted Working Space, Add	125.28	
23 05 23 00-0056	EA		10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,212.58	409.25
			For 150 LB Rating, Add	493.30	
			For 250 LB Rating, Add	850.51	
			For 300 LB Rating, ASTM A182, Add	1,956.80	
			For Chain Operated Type, Add	850.51	
			For Work In Restricted Working Space, Add	153.47	
23 05 23 00-0057	EA		12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,050.23	496.94
			For 150 LB Rating, Add	704.75	
			For 250 LB Rating, Add	1,215.08	
			For 300 LB Rating, ASTM A182, Add	2,740.20	
			For Chain Operated Type, Add	1,215.08	
			For Work In Restricted Working Space, Add	186.02	
23 05 23 00-0058			Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0059	EA		1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	501.73	12.32
			For 175 LB Rating, Add	220.10	
			For 250 LB Rating, Add	330.14	
			For Work In Restricted Working Space, Add	18.46	
23 05 23 00-0060	EA		2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	641.78	14.56
			For 175 LB Rating, Add	284.53	
			For 250 LB Rating, Add	426.79	
			For Work In Restricted Working Space, Add	21.82	
23 05 23 00-0061	EA		2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	739.97	19.68
			For 175 LB Rating, Add	320.84	
			For 250 LB Rating, Add	481.26	
			For Work In Restricted Working Space, Add	29.49	
23 05 23 00-0062	EA		3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	821.45	22.85
			For 175 LB Rating, Add	354.02	
			For 250 LB Rating, Add	531.02	
			For Work In Restricted Working Space, Add	34.03	
23 05 23 00-0063	EA		4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,106.70	25.80
			For 175 LB Rating, Add	488.85	
			For 250 LB Rating, Add	733.27	
			For Work In Restricted Working Space, Add	38.70	
23 05 23 00-0064			Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0065	EA		1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	440.31	84.00
			For 150 LB Rating, Add	50.26	
			For 175 LB Rating, Add	103.86	
			For 250 LB Rating, Add	217.78	
			For Chain Operated Type, Add	167.52	
			For Work In Restricted Working Space, Add	31.58	
23 05 23 00-0066	EA		2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	478.34	106.65
			For 150 LB Rating, Add	51.75	
			For 175 LB Rating, Add	106.95	
			For 250 LB Rating, Add	224.25	
			For Chain Operated Type, Add	172.50	
			For Work In Restricted Working Space, Add	40.00	
23 05 23 00-0067	EA		2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	490.30	106.89
			For 150 LB Rating, Add	53.44	
			For 175 LB Rating, Add	110.44	
			For 250 LB Rating, Add	231.57	
			For Chain Operated Type, Add	178.13	
			For Work In Restricted Working Space, Add	40.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0068	EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	548.83	125.33
	For 150 LB Rating, Add	58.80	
	For 175 LB Rating, Add	121.51	
	For 250 LB Rating, Add	254.79	
	For Chain Operated Type, Add	195.99	
	For Work In Restricted Working Space, Add	47.06	
23 05 23 00-0069	EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	738.66	210.10
	For 150 LB Rating, Add	71.31	
	For 175 LB Rating, Add	147.36	
	For 250 LB Rating, Add	308.99	
	For Chain Operated Type, Add	237.69	
	For Work In Restricted Working Space, Add	78.99	
23 05 23 00-0070	EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	958.76	236.78
	For 150 LB Rating, Add	99.49	
	For 175 LB Rating, Add	205.60	
	For 250 LB Rating, Add	431.11	
	For Chain Operated Type, Add	331.62	
	For Work In Restricted Working Space, Add	88.66	
23 05 23 00-0071	EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,087.48	263.09
	For 150 LB Rating, Add	113.62	
	For 175 LB Rating, Add	234.81	
	For 250 LB Rating, Add	492.34	
	For Chain Operated Type, Add	378.72	
	For Work In Restricted Working Space, Add	99.01	
23 05 23 00-0072	EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,698.65	336.17
	For 150 LB Rating, Add	192.16	
	For 175 LB Rating, Add	397.13	
	For 250 LB Rating, Add	832.68	
	For Chain Operated Type, Add	640.53	
	For Work In Restricted Working Space, Add	125.28	
23 05 23 00-0073	EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,483.09	409.25
	For 150 LB Rating, Add	295.73	
	For 175 LB Rating, Add	611.17	
	For 250 LB Rating, Add	1,281.49	
	For Chain Operated Type, Add	985.77	
	For Work In Restricted Working Space, Add	153.47	
23 05 23 00-0074	EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,118.82	496.94
	For 150 LB Rating, Add	374.81	
	For 175 LB Rating, Add	774.61	
	For 250 LB Rating, Add	1,624.19	
	For Chain Operated Type, Add	1,249.38	
	For Work In Restricted Working Space, Add	186.02	
23 05 23 00-0075	EA 14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,237.17	726.90
	For 150 LB Rating, Add	799.28	
	For 175 LB Rating, Add	1,651.85	
	For 250 LB Rating, Add	3,463.56	
	For Work In Restricted Working Space, Add	272.59	
23 05 23 00-0076	EA 16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,087.00	799.59
	For 150 LB Rating, Add	1,063.13	
	For 175 LB Rating, Add	2,197.13	
	For 250 LB Rating, Add	4,606.88	
	For Work In Restricted Working Space, Add	299.85	
23 05 23 00-0077	EA 18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	11,031.16	886.82
	For 150 LB Rating, Add	1,488.40	
	For 175 LB Rating, Add	3,076.02	
	For 250 LB Rating, Add	6,449.72	
	For Work In Restricted Working Space, Add	332.56	
23 05 23 00-0078	EA 20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	14,005.08	999.49
	For 150 LB Rating, Add	1,913.36	
	For 175 LB Rating, Add	3,954.27	
	For 250 LB Rating, Add	8,291.22	
	For Work In Restricted Working Space, Add	374.81	
23 05 23 00-0079	EA 24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	19,130.10	1,226.65
	For 150 LB Rating, Add	2,639.52	
	For 175 LB Rating, Add	5,455.01	
	For 250 LB Rating, Add	11,437.92	
	For Work In Restricted Working Space, Add	459.99	
23 05 23 00-0080	EA 30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	39,891.91	1,998.97
	For 150 LB Rating, Add	5,608.98	
	For 175 LB Rating, Add	11,591.89	
	For 250 LB Rating, Add	24,305.58	
	For Work In Restricted Working Space, Add	749.61	
23 05 23 00-0081	EA 36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	50,842.98	2,665.30
	For 150 LB Rating, Add	7,126.70	
	For 175 LB Rating, Add	14,728.52	
	For 250 LB Rating, Add	30,882.38	
	For Work In Restricted Working Space, Add	999.49	
23 05 23 00-0082	Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
	Note: 800 psig at 850 degrees F.		
23 05 23 00-0083	EA 1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	149.46	8.00
	For Work In Restricted Working Space, Add	6.99	
23 05 23 00-0084	EA 1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	151.97	8.00
	For Work In Restricted Working Space, Add	7.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0085	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	177.86 10.43	8.80
23 05 23 00-0086	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	215.96 12.63	10.00
23 05 23 00-0087	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	333.84 16.00	10.65
23 05 23 00-0088	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	395.39 18.46	12.32
23 05 23 00-0089	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve <i>For Work In Restricted Working Space, Add</i>	498.89 21.82	14.56
23 05 23 00-0090			Ball Valves (23 05 23)		
23 05 23 00-0091			Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0090) Note: 125 LB WSP.		
23 05 23 00-0092	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.62 2.63 4.86 7.74	8.00
23 05 23 00-0093	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.40 2.63 7.48 10.43	8.80
23 05 23 00-0094	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.54 2.63 10.09 12.63	10.00
23 05 23 00-0095	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.01 2.63 16.95 16.00	10.65
23 05 23 00-0096	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.65 2.63 21.65 18.46	12.32
23 05 23 00-0097	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.00 2.63 27.12 21.82	14.56
23 05 23 00-0098	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	382.71 2.63 127.99 29.49	19.68
23 05 23 00-0099	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	441.59 2.63 147.68 34.03	22.85
23 05 23 00-0100	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	576.41 2.63 201.33 38.70	25.80
23 05 23 00-0101			Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0090)		
23 05 23 00-0102	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	43.98 6.99	8.00
23 05 23 00-0103	EA		1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	48.26 7.74	8.00
23 05 23 00-0104	EA		3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	67.25 10.43	8.80
23 05 23 00-0105	EA		1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	85.77 12.63	10.00
23 05 23 00-0106	EA		1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	127.97 16.00	10.65
23 05 23 00-0107	EA		1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	156.08 18.46	12.32
23 05 23 00-0108	EA		2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	202.90 21.82	14.56
23 05 23 00-0109			Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0090)		
23 05 23 00-0110	EA		4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,147.71 78.99	210.10
23 05 23 00-0111	EA		6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,958.40 99.01	263.09
23 05 23 00-0112	EA		8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	4,250.41 125.28	336.17
23 05 23 00-0113			Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0090)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0114	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	30.72	8.00
		<i>For True Union Socket Or Thread Type, Add</i>	3.32	
		<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 23 00-0115	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	40.43	8.80
		<i>For True Union Socket Or Thread Type, Add</i>	4.09	
		<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0116	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	49.99	10.00
		<i>For True Union Socket Or Thread Type, Add</i>	5.36	
		<i>For Work In Restricted Working Space, Add</i>	12.63	
23 05 23 00-0117	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	63.68	10.65
		<i>For True Union Socket Or Thread Type, Add</i>	6.94	
		<i>For Work In Restricted Working Space, Add</i>	16.00	
23 05 23 00-0118	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	79.54	12.32
		<i>For True Union Socket Or Thread Type, Add</i>	10.43	
		<i>For Work In Restricted Working Space, Add</i>	18.46	
23 05 23 00-0119	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	95.67	14.56
		<i>For True Union Socket Or Thread Type, Add</i>	12.99	
		<i>For Work In Restricted Working Space, Add</i>	21.82	
23 05 23 00-0120	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	147.65	19.68
		<i>For True Union Socket Or Thread Type, Add</i>	24.90	
		<i>For Work In Restricted Working Space, Add</i>	29.49	
23 05 23 00-0121	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	197.34	22.85
		<i>For True Union Socket Or Thread Type, Add</i>	39.52	
		<i>For Work In Restricted Working Space, Add</i>	34.03	
23 05 23 00-0122	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	289.47	25.80
		<i>For True Union Socket Or Thread Type, Add</i>	70.96	
		<i>For Work In Restricted Working Space, Add</i>	38.70	

23 05 23 00-0123 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0090)

23 05 23 00-0124	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	67.45	12.00
		<i>For Full Port, Add</i>	14.63	
		<i>For Work In Restricted Working Space, Add</i>	10.49	
23 05 23 00-0125	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	69.28	12.00
		<i>For Full Port, Add</i>	14.63	
		<i>For Work In Restricted Working Space, Add</i>	11.03	
23 05 23 00-0126	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	71.21	12.00
		<i>For Full Port, Add</i>	14.63	
		<i>For Work In Restricted Working Space, Add</i>	11.61	
23 05 23 00-0127	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	86.64	13.20
		<i>For Full Port, Add</i>	15.51	
		<i>For Work In Restricted Working Space, Add</i>	15.65	
23 05 23 00-0128	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	114.22	15.00
		<i>For Full Port, Add</i>	22.97	
		<i>For Work In Restricted Working Space, Add</i>	18.95	
23 05 23 00-0129	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	149.87	15.96
		<i>For Full Port, Add</i>	31.44	
		<i>For Work In Restricted Working Space, Add</i>	24.00	
23 05 23 00-0130	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	185.21	18.48
		<i>For Full Port, Add</i>	41.81	
		<i>For Work In Restricted Working Space, Add</i>	27.69	
23 05 23 00-0131	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	260.29	21.85
		<i>For Full Port, Add</i>	68.04	
		<i>For Work In Restricted Working Space, Add</i>	32.73	
23 05 23 00-0132	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	514.36	29.52
		<i>For Full Port, Add</i>	165.11	
		<i>For Work In Restricted Working Space, Add</i>	44.23	
23 05 23 00-0133	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	752.77	34.28
		<i>For Full Port, Add</i>	262.19	
		<i>For Work In Restricted Working Space, Add</i>	51.04	

23 05 23 00-0134 Three Piece Ball Valves (23 05 23 00-0090)**23 05 23 00-0135 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves** (23 05 23 00-0134)

23 05 23 00-0136	EA	1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	68.86	8.00
		<i>For Work In Restricted Working Space, Add</i>	6.99	
23 05 23 00-0137	EA	3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	70.08	8.00
		<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05 23 00-0138	EA	1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	78.62	8.00
		<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 23 00-0139	EA	3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	99.58	8.80
		<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 23 00-0140	EA	1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	127.22	10.00
		<i>For Work In Restricted Working Space, Add</i>	12.63	
23 05 23 00-0141	EA	1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	175.68	10.65
		<i>For Work In Restricted Working Space, Add</i>	16.00	
23 05 23 00-0142	EA	1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	219.93	12.32
		<i>For Work In Restricted Working Space, Add</i>	18.46	
23 05 23 00-0143	EA	2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	359.71	14.56
		<i>For Work In Restricted Working Space, Add</i>	21.82	
23 05 23 00-0144	EA	2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	773.89	20.88
		<i>For Work In Restricted Working Space, Add</i>	32.00	

23 05 23 00-0145 Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0134)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0146 EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	79.85 6.99	8.00
23 05 23 00-0147 EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	87.44 7.36	8.00
23 05 23 00-0148 EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	92.80 7.74	8.00
23 05 23 00-0149 EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	148.04 10.43	8.80
23 05 23 00-0150 EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	189.14 12.63	10.00
23 05 23 00-0151 EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	286.36 16.00	10.65
23 05 23 00-0152 EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	364.35 18.46	12.32
23 05 23 00-0153 EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	473.80 21.82	14.56
23 05 23 00-0154 Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0134)		
23 05 23 00-0155 EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	206.16 6.99	8.00
23 05 23 00-0156 EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	221.00 7.36	8.00
23 05 23 00-0157 EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	232.95 7.74	8.00
23 05 23 00-0158 EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	337.98 10.43	8.80
23 05 23 00-0159 EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	412.05 12.63	10.00
23 05 23 00-0160 EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	481.19 16.00	10.65
23 05 23 00-0161 EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	644.47 18.46	12.32
23 05 23 00-0162 EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	838.84 21.82	14.56
23 05 23 00-0163 EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	2,206.32 36.93	24.81
23 05 23 00-0164 Crimped Bronze, Ball Valves (23 05 23 00-0090)		
23 05 23 00-0165 Crimped Bronze, 250 PSI, Ball Valves (23 05 23 00-0164) Note: Nibco®		
23 05 23 00-0166 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	66.19 5.40	8.00
23 05 23 00-0167 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	86.16 6.15	8.80
23 05 23 00-0168 EA 1" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	110.93 7.35	10.00
23 05 23 00-0169 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	181.59 8.10	10.65
23 05 23 00-0170 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	241.09 9.00	12.32
23 05 23 00-0171 EA 2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	365.10 10.80	14.56
23 05 23 00-0172 Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0173 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	46.31	8.00
23 05 23 00-0174 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	60.29	8.80
23 05 23 00-0175 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	73.48	10.00
23 05 23 00-0176 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	106.59	10.65
23 05 23 00-0177 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	140.20	12.32
23 05 23 00-0178 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	212.02	14.56
23 05 23 00-0179 Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0180 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	54.73	8.00
23 05 23 00-0181 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	66.42	8.80
23 05 23 00-0182 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	83.27	10.00
23 05 23 00-0183 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	137.20	10.65
23 05 23 00-0184 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	206.01	12.32
23 05 23 00-0185 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	288.55	14.56
23 05 23 00-0186 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0187 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	52.44	8.00
23 05 23 00-0188 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	64.27	8.80
23 05 23 00-0189 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	78.37	10.00
23 05 23 00-0190 Globe Valves (23 05 23)		
23 05 23 00-0191 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0190)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0192	EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.42 10.73 13.15 15.57 19.04 7.74	8.00
23 05 23 00-0193	EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.91 10.73 13.15 15.57 19.04 6.99	8.00
23 05 23 00-0194	EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.18 16.01 19.63 23.25 28.41 7.36	8.00
23 05 23 00-0195	EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.47 16.01 19.63 23.25 28.41 67.15 7.74	8.00
23 05 23 00-0196	EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.78 17.36 21.28 25.20 30.80 75.51 10.43	8.40
23 05 23 00-0197	EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.80 23.46 28.76 34.06 41.63 100.10 12.63	8.40
23 05 23 00-0198	EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.06 40.52 49.67 58.82 71.90 165.13 16.00	10.65
23 05 23 00-0199	EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.36 57.91 70.99 84.07 102.75 230.12 18.46	12.32
23 05 23 00-0200	EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.35 68.08 83.46 98.83 120.79 270.67 21.82	14.56
23 05 23 00-0201	EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.71 68.64 84.14 99.64 121.78 29.49	19.68
23 05 23 00-0202	EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	609.49 153.78 188.51 223.23 272.84 34.03	22.85
23 05 23 00-0203	Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0190)</small>		
23 05 23 00-0204	EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	458.59 119.62 146.63 173.64 212.22 322.19 21.82	14.56
23 05 23 00-0205	EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	565.99 144.99 177.73 210.47 257.24 390.53 29.49	19.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0206	EA		3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	674.67	22.85
			For 150 LB Rating, Add	173.99	
			For 200 LB Rating, Add	213.28	
			For 250 LB Rating, Add	252.56	
			For 300 LB Rating, Add	308.69	
			For Chain Operated Type, Add	468.64	
			For Work In Restricted Working Space, Add	34.03	
23 05 23 00-0207	EA		4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	877.31	25.80
			For 150 LB Rating, Add	231.98	
			For 200 LB Rating, Add	284.37	
			For 250 LB Rating, Add	336.75	
			For 300 LB Rating, Add	411.58	
			For Chain Operated Type, Add	624.86	
			For Work In Restricted Working Space, Add	38.69	
23 05 23 00-0208			Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0190)</small>		
23 05 23 00-0209	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	332.45	106.65
			For 150 LB Rating, Add	61.72	
			For 250 LB Rating, Add	89.60	
			For Chain Operated Type, Add	99.56	
			For Work In Restricted Working Space, Add	40.00	
23 05 23 00-0210	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	376.77	106.89
			For 150 LB Rating, Add	75.25	
			For 250 LB Rating, Add	109.23	
			For Chain Operated Type, Add	121.37	
			For Work In Restricted Working Space, Add	40.21	
23 05 23 00-0211	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	448.13	125.33
			For 150 LB Rating, Add	90.30	
			For 250 LB Rating, Add	131.08	
			For Chain Operated Type, Add	145.64	
			For Work In Restricted Working Space, Add	47.06	
23 05 23 00-0212	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	651.66	210.10
			For 150 LB Rating, Add	120.39	
			For 250 LB Rating, Add	174.77	
			For Chain Operated Type, Add	194.19	
			For Work In Restricted Working Space, Add	78.99	
23 05 23 00-0213	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	835.59	236.78
			For 150 LB Rating, Add	167.42	
			For 250 LB Rating, Add	243.03	
			For Chain Operated Type, Add	270.04	
			For Work In Restricted Working Space, Add	88.66	
23 05 23 00-0214	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,012.72	263.09
			For 150 LB Rating, Add	211.63	
			For 250 LB Rating, Add	307.21	
			For Chain Operated Type, Add	341.34	
			For Work In Restricted Working Space, Add	99.01	
23 05 23 00-0215	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,467.41	336.17
			For 150 LB Rating, Add	325.44	
			For 250 LB Rating, Add	472.41	
			For Chain Operated Type, Add	524.91	
			For Work In Restricted Working Space, Add	125.28	
23 05 23 00-0216	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	2,110.54	409.25
			For 150 LB Rating, Add	495.68	
			For 250 LB Rating, Add	719.54	
			For Chain Operated Type, Add	799.49	
			For Work In Restricted Working Space, Add	153.47	
23 05 23 00-0217	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	3,645.78	496.94
			For 150 LB Rating, Add	937.97	
			For 250 LB Rating, Add	1,361.57	
			For Chain Operated Type, Add	1,512.86	
			For Work In Restricted Working Space, Add	186.02	
23 05 23 00-0218			Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves <small>(23 05 23 00-0190)</small>		
23 05 23 00-0219	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	52.03	8.00
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For 300 LB Rating, Add	14.42	
			For Work In Restricted Working Space, Add	7.74	
23 05 23 00-0220	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	49.52	8.00
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For 300 LB Rating, Add	14.42	
			For Work In Restricted Working Space, Add	6.99	
23 05 23 00-0221	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	50.74	8.00
			For 150 LB Rating, Add	8.13	
			For 200 LB Rating, Add	9.96	
			For 300 LB Rating, Add	14.42	
			For Work In Restricted Working Space, Add	7.36	
23 05 23 00-0222	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	53.77	8.00
			For 150 LB Rating, Add	8.67	
			For 200 LB Rating, Add	10.62	
			For 300 LB Rating, Add	15.38	
			For Work In Restricted Working Space, Add	7.74	
23 05 23 00-0223	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	73.56	8.40
			For 150 LB Rating, Add	12.02	
			For 200 LB Rating, Add	14.74	
			For 300 LB Rating, Add	21.33	
			For Work In Restricted Working Space, Add	10.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05	23 00-0224	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	92.99	8.40
			For 150 LB Rating, Add	15.77	
			For 200 LB Rating, Add	19.33	
			For 300 LB Rating, Add	27.98	
			For Work In Restricted Working Space, Add	12.63	
23 05	23 00-0225	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	128.93	10.65
			For 150 LB Rating, Add	23.43	
			For 200 LB Rating, Add	28.72	
			For 300 LB Rating, Add	41.57	
			For Work In Restricted Working Space, Add	16.00	
23 05	23 00-0226	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	149.67	12.32
			For 150 LB Rating, Add	27.32	
			For 200 LB Rating, Add	33.49	
			For 300 LB Rating, Add	48.47	
			For Work In Restricted Working Space, Add	18.46	
23 05	23 00-0227	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	205.47	14.56
			For 150 LB Rating, Add	41.15	
			For 200 LB Rating, Add	50.44	
			For 300 LB Rating, Add	73.01	
			For Work In Restricted Working Space, Add	21.82	
23 05	23 00-0228	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	346.12	21.36
			For 150 LB Rating, Add	74.23	
			For 200 LB Rating, Add	90.99	
			For 300 LB Rating, Add	131.69	
			For Work In Restricted Working Space, Add	32.00	
23 05	23 00-0229	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	528.59	24.81
			For 150 LB Rating, Add	125.71	
			For 200 LB Rating, Add	154.09	
			For 300 LB Rating, Add	223.03	
			For Work In Restricted Working Space, Add	36.93	
23 05	23 00-0230		Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0190)		
23 05	23 00-0231	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	645.63	106.65
			For 250 LB Rating, Add	307.37	
			For Chain Operated Type, Add	199.79	
			For Work In Restricted Working Space, Add	40.00	
23 05	23 00-0232	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	739.91	106.89
			For 250 LB Rating, Add	363.52	
			For Chain Operated Type, Add	236.29	
			For Work In Restricted Working Space, Add	40.21	
23 05	23 00-0233	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	870.82	125.33
			For 250 LB Rating, Add	428.38	
			For Chain Operated Type, Add	278.45	
			For Work In Restricted Working Space, Add	47.06	
23 05	23 00-0234	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,283.04	210.10
			For 250 LB Rating, Add	611.85	
			For Chain Operated Type, Add	397.70	
			For Work In Restricted Working Space, Add	78.99	
23 05	23 00-0235	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,123.10	236.78
			For 250 LB Rating, Add	1,096.55	
			For Chain Operated Type, Add	712.76	
			For Work In Restricted Working Space, Add	88.66	
23 05	23 00-0236	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,157.62	263.09
			For 250 LB Rating, Add	1,096.55	
			For Chain Operated Type, Add	712.76	
			For Work In Restricted Working Space, Add	99.01	
23 05	23 00-0237	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	3,994.54	336.17
			For 250 LB Rating, Add	2,146.16	
			For Chain Operated Type, Add	1,395.01	
			For Work In Restricted Working Space, Add	125.28	
23 05	23 00-0238		Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0190)		
			Note: 800 PSIG at 850 degrees F.		
23 05	23 00-0239	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	190.99	12.96
			For Work In Restricted Working Space, Add	6.99	
23 05	23 00-0240	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	193.50	12.96
			For Work In Restricted Working Space, Add	7.74	
23 05	23 00-0241	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	225.55	17.44
			For Work In Restricted Working Space, Add	10.43	
23 05	23 00-0242	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	279.04	21.04
			For Work In Restricted Working Space, Add	12.63	
23 05	23 00-0243	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	459.50	26.64
			For Work In Restricted Working Space, Add	16.00	
23 05	23 00-0244	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	552.32	30.80
			For Work In Restricted Working Space, Add	18.46	
23 05	23 00-0245	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	705.05	36.40
			For Work In Restricted Working Space, Add	21.82	
23 05	23 00-0246		Triple Duty Valves (23 05 23)		
			Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05	23 00-0247		Straight Pattern, Triple Duty Valves (23 05 23 00-0246)		
			Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05	23 00-0248	EA	1" Threaded, Straight Pattern, Triple Duty Valve	238.56	8.40
23 05	23 00-0249	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	275.71	10.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 23 00-0250	EA		1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	298.76	12.32
23 05 23 00-0251	EA		2" Flanged, Straight Pattern, Triple Duty Valve	778.34	106.65
23 05 23 00-0252	EA		2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	879.13	106.89
23 05 23 00-0253	EA		3" Flanged, Straight Pattern, Triple Duty Valve	961.25	125.33
23 05 23 00-0254	EA		4" Flanged, Straight Pattern, Triple Duty Valve	1,975.89	210.10
23 05 23 00-0255	EA		5" Flanged, Straight Pattern Triple Duty Valve	2,315.79	236.78
23 05 23 00-0256	EA		6" Flanged, Straight Pattern, Triple Duty Valve	3,087.99	263.09
23 05 23 00-0257	EA		8" Flanged, Straight Pattern, Triple Duty Valve	4,161.59	336.17
23 05 23 00-0258	EA		10" Flanged, Straight Pattern, Triple Duty Valve	6,694.70	409.25

23 05 23 00-0259 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0246)

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0260	EA		2" Flanged, Angle Pattern, Triple Duty Valve.....	759.81	106.65
23 05 23 00-0261	EA		2-1/2" Flanged, Angle Pattern, Triple Duty Valve	856.89	106.89
23 05 23 00-0262	EA		3" Flanged, Angle Pattern, Triple Duty Valve	942.72	125.33
23 05 23 00-0263	EA		4" Flanged, Angle Pattern, Triple Duty Valve.....	1,927.70	210.10
23 05 23 00-0264	EA		5" Flanged, Angle Pattern, Triple Duty Valve.....	2,256.48	236.78
23 05 23 00-0265	EA		6" Flanged, Angle Pattern, Triple Duty Valve.....	2,531.95	263.09
23 05 23 00-0266	EA		8" Flanged, Angle Pattern, Triple Duty Valve.....	3,898.40	336.17
23 05 23 00-0267	EA		10" Flanged, Angle Pattern, Triple Duty Valve.....	5,215.64	409.25

23 05 23 00-0268 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0246)

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0269	EA		3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	879.70	125.33
23 05 23 00-0270	EA		4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,760.89	210.10
23 05 23 00-0271	EA		5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,067.43	236.78
23 05 23 00-0272	EA		6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,750.66	263.09
23 05 23 00-0273	EA		8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,701.93	336.17
23 05 23 00-0274	EA		10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	5,927.37	409.25
23 05 23 00-0275	EA		12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	8,938.50	496.94
23 05 23 00-0276	EA		14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	10,866.90	584.64
23 05 23 00-0277	EA		16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,626.86	643.11

23 05 23 00-0278 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0246)

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0279	EA		2" Grooved, Straight Pattern, Triple Duty Valve.....	844.72	19.77
23 05 23 00-0280	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,006.82	23.59
23 05 23 00-0281	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,172.66	25.58
23 05 23 00-0282	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	1,950.71	27.57
23 05 23 00-0283	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	2,261.16	37.27
23 05 23 00-0284	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	3,014.90	47.79
23 05 23 00-0285	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	4,101.51	60.66
23 05 23 00-0286	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	6,478.22	67.96
23 05 23 00-0287	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	10,291.24	82.87

23 05 23 00-0288 Plug Valves (23 05 23)

23 05 23 00-0289 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0288)

Note: Includes wrench.

23 05 23 00-0290	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	271.09	8.00
23 05 23 00-0291	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	280.06	8.80
23 05 23 00-0292	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	354.97	10.00
23 05 23 00-0293	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	423.77	10.65
23 05 23 00-0294	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	464.51	12.32
23 05 23 00-0295	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	548.28	14.56
23 05 23 00-0296	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	826.63	19.68
23 05 23 00-0297	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,014.46	22.85

23 05 23 00-0298 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0288)

Note: Wrench operated for 4", gear operated for 6" and 10".

23 05 23 00-0299	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	345.97	106.65
23 05 23 00-0300	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	414.12	106.89
23 05 23 00-0301	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	508.79	125.33
23 05 23 00-0302	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	739.87	210.10
23 05 23 00-0303	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,601.41	263.09
23 05 23 00-0304	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,708.12	336.17
23 05 23 00-0305	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,328.60	409.25
23 05 23 00-0306	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,413.82	496.94

23 05 23 00-0307 Plug Valves, Forged Steel, Screwed (23 05 23 00-0288)

23 05 23 00-0308	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,074.98	8.00
23 05 23 00-0309	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,268.29	8.80
23 05 23 00-0310	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,432.66	10.00
23 05 23 00-0311	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,717.75	10.65
23 05 23 00-0312	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,000.57	12.32
23 05 23 00-0313	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,635.34	14.56

23 05 23 00-0314 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0288)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 23 00-0315	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI		806.76	210.10
23 05 23 00-0316	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI		1,261.95	263.09
23 05 23 00-0317	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI		1,716.58	336.17
23 05 23 00-0318	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI		2,434.19	409.25
23 05 23 00-0319	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI		3,143.17	496.94
23 05 23 00-0320		Foot Valves <small>(23 05 23)</small>			
23 05 23 00-0321		Single Poppet Foot Valves, Metal To Metal Seat Construction <small>(23 05 23 00-0320)</small>			
23 05 23 00-0322	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction		76.32	20.01
23 05 23 00-0323	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction		87.24	22.41
23 05 23 00-0324	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction		114.74	25.62
23 05 23 00-0325	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction		154.57	28.82
23 05 23 00-0326	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction		367.53	47.23
23 05 23 00-0327	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction		472.44	57.63
23 05 23 00-0328		Double Poppet Foot Valves, Metal To Metal Seat Construction <small>(23 05 23 00-0320)</small>			
23 05 23 00-0329	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction		76.32	20.01
23 05 23 00-0330	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction		180.50	22.41
23 05 23 00-0331	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction		168.54	25.62
23 05 23 00-0332	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction		233.45	28.82
23 05 23 00-0333	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction		465.32	47.23
23 05 23 00-0334	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction		638.37	56.84
23 05 23 00-0335		Float Valves <small>(23 05 23)</small>			
23 05 23 00-0336		Float Valve Assembly For Maintaining Liquid Level In Tanks <small>(23 05 23 00-0335)</small>			
23 05 23 00-0337		Single Seat, Bronze Construction <small>(23 05 23 00-0336)</small>			
Note: For storage tanks, reservoirs, cooling towers and filtration plants.					
23 05 23 00-0338	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve		202.21	16.80
23 05 23 00-0339	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve		231.17	20.00
23 05 23 00-0340	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve		303.90	21.60
23 05 23 00-0341	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve		514.26	27.20
23 05 23 00-0342	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve		522.26	31.20
23 05 23 00-0343		Double Seat, Bronze Construction <small>(23 05 23 00-0336)</small>			
Note: For hot or cold water or oil to open tanks.					
23 05 23 00-0344	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve		1,146.17	16.80
23 05 23 00-0345	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve		1,152.58	20.00
23 05 23 00-0346	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve		1,331.97	21.60
23 05 23 00-0347	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve		1,469.60	27.20
23 05 23 00-0348	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve		1,679.89	31.20
23 05 23 00-0349	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve		2,206.93	36.80
23 05 23 00-0350	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve		2,560.88	49.39
23 05 23 00-0351	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve		3,082.08	56.76
23 05 23 00-0352		Float Valve Single Seated Balanced For Air Oil Or Water <small>(23 05 23 00-0335)</small>			
Note: Includes arm, ball and bracket.					
23 05 23 00-0353		Brass Body Threaded Ends <small>(23 05 23 00-0352)</small>			
23 05 23 00-0354	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		202.76	21.68
23 05 23 00-0355	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		229.69	24.08
23 05 23 00-0356	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		288.13	26.64
23 05 23 00-0357	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		460.05	43.05
23 05 23 00-0358	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		477.32	49.05
23 05 23 00-0359	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket		531.16	60.80
23 05 23 00-0360		Cast Iron Body Flanged <small>(23 05 23 00-0352)</small>			
23 05 23 00-0361	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket		7,243.87	106.89
23 05 23 00-0362	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket		8,761.10	125.33
23 05 23 00-0363		Float Operated Valves <small>(23 05 23 00-0335)</small>			
23 05 23 00-0364		For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0363)</small>			
Note: Cast iron body, self-contained, float in-line mount.					
23 05 23 00-0365	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket		782.67	37.60
23 05 23 00-0366		For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0363)</small>			
Note: Cast iron body, external float tank mount, flanged.					
23 05 23 00-0367	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket		967.26	70.03
23 05 23 00-0368		Needle Valves <small>(23 05 23)</small>			
23 05 23 00-0369		Bronze Needle Valve <small>(23 05 23 00-0368)</small>			
Note: For heating and cooling applications.					
23 05 23 00-0370	EA	1/4" Needle Valve, Bronze		103.00	8.00
23 05 23 00-0371	EA	3/8" Needle Valve, Bronze		115.45	8.00

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 23 00-0372	EA	1/2" Needle Valve, Bronze.....		126.70	8.00
23 05 23 00-0373	EA	3/4" Needle Valve, Bronze.....		194.13	8.80
23 05 23 00-0374	EA	1" Needle Valve, Bronze.....		302.05	10.00
23 05 23 00-0375		Eccentric Valves With Taps (23 05 23)			
23 05 23 00-0376		Screwed Eccentric Valves With Taps (23 05 23 00-0375)			
23 05 23 00-0377	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....		146.61	8.00
23 05 23 00-0378	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....		157.43	8.80
23 05 23 00-0379	EA	1" Diameter Eccentric Valves With Taps, Screwed.....		198.22	10.00
23 05 23 00-0380	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....		241.04	10.65
23 05 23 00-0381	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed.....		264.11	12.32
23 05 23 00-0382	EA	2" Diameter Eccentric Valves With Taps, Screwed.....		310.61	14.56
23 05 23 00-0383	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed.....		466.25	19.68
23 05 23 00-0384	EA	3" Diameter Eccentric Valves With Taps, Screwed.....		565.01	22.85
23 05 23 00-0385		Flanged Eccentric Valves With Taps (23 05 23 00-0375)			
23 05 23 00-0386	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged.....		570.76	106.89
23 05 23 00-0387	EA	3" Diameter Eccentric Valves With Taps, Flanged.....		677.20	125.33
23 05 23 00-0388	EA	4" Diameter Eccentric Valves With Taps, Flanged.....		923.02	210.10
23 05 23 00-0389	EA	5" Diameter Eccentric Valves With Taps, Flanged.....		1,224.72	236.78
23 05 23 00-0390	EA	6" Diameter Eccentric Valves With Taps, Flanged.....		1,538.00	263.09
23 05 23 00-0391	EA	8" Diameter Eccentric Valves With Taps, Flanged.....		2,601.22	336.17
23 05 23 00-0392	EA	10" Diameter Eccentric Valves With Taps, Flanged.....		3,624.38	409.25
23 05 23 00-0393	EA	12" Diameter Eccentric Valves With Taps, Flanged.....		6,148.81	496.94
23 05 23 00-0394		Check Valves (23 05 23)			
23 05 23 00-0395		Iron Body Wafer Type Check Valve (23 05 23 00-0394)			
23 05 23 00-0396		Single Disk Type (23 05 23 00-0395)			
23 05 23 00-0397	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		404.04	106.71
		For 150 LB Rating, Add		56.83	
		For 200 LB Rating, Add		67.66	
		For 300 LB Rating, Add		81.19	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		148.46	
23 05 23 00-0398	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		488.70	106.98
		For 150 LB Rating, Add		74.46	
		For 200 LB Rating, Add		88.64	
		For 300 LB Rating, Add		106.37	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		186.38	
23 05 23 00-0399	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		605.13	125.43
		For 150 LB Rating, Add		94.11	
		For 200 LB Rating, Add		112.04	
		For 300 LB Rating, Add		134.45	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		233.07	
23 05 23 00-0400	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		870.50	210.27
		For 150 LB Rating, Add		127.47	
		For 200 LB Rating, Add		151.75	
		For 300 LB Rating, Add		182.10	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		325.85	
23 05 23 00-0401	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		1,319.67	295.12
		For 150 LB Rating, Add		199.66	
		For 200 LB Rating, Add		237.70	
		For 300 LB Rating, Add		285.23	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		501.63	
23 05 23 00-0402	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		1,881.77	339.38
		For 150 LB Rating, Add		306.41	
		For 200 LB Rating, Add		364.77	
		For 300 LB Rating, Add		437.72	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		741.12	
23 05 23 00-0403	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		2,850.67	413.16
		For 150 LB Rating, Add		489.39	
		For 200 LB Rating, Add		582.61	
		For 300 LB Rating, Add		699.13	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		1,152.74	
23 05 23 00-0404		Twin Disc Type (23 05 23 00-0395)			
23 05 23 00-0405	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....		502.44	106.71
		For 150 LB Rating, Add		77.49	
		For 200 LB Rating, Add		92.26	
		For 300 LB Rating, Add		110.71	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		192.74	
23 05 23 00-0406	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....		577.01	106.98
		For 150 LB Rating, Add		93.00	
		For 200 LB Rating, Add		110.72	
		For 300 LB Rating, Add		132.86	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		226.12	
23 05 23 00-0407	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....		673.69	125.43
		For 150 LB Rating, Add		108.51	
		For 200 LB Rating, Add		129.18	
		For 300 LB Rating, Add		155.02	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		263.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05	23 00-0408	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	919.70	210.27
			<i>For 150 LB Rating, Add</i>	137.80	
			<i>For 200 LB Rating, Add</i>	164.05	
			<i>For 300 LB Rating, Add</i>	196.86	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	347.99	
23 05	23 00-0409	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,427.04	295.12
			<i>For 150 LB Rating, Add</i>	222.21	
			<i>For 200 LB Rating, Add</i>	264.54	
			<i>For 300 LB Rating, Add</i>	317.45	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	549.95	
23 05	23 00-0410	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,037.56	339.38
			<i>For 150 LB Rating, Add</i>	339.35	
			<i>For 200 LB Rating, Add</i>	403.99	
			<i>For 300 LB Rating, Add</i>	484.79	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	811.50	
23 05	23 00-0411	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,075.86	405.78
			<i>For 150 LB Rating, Add</i>	537.43	
			<i>For 200 LB Rating, Add</i>	639.80	
			<i>For 300 LB Rating, Add</i>	767.76	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,254.97	
23 05	23 00-0412	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,054.03	501.69
			<i>For 150 LB Rating, Add</i>	720.05	
			<i>For 200 LB Rating, Add</i>	857.20	
			<i>For 300 LB Rating, Add</i>	1,028.64	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,668.00	
23 05	23 00-0413	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,773.34	600.78
			<i>For 150 LB Rating, Add</i>	1,464.18	
			<i>For 200 LB Rating, Add</i>	1,743.08	
			<i>For 300 LB Rating, Add</i>	2,091.69	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,297.74	
23 05	23 00-0414	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	10,724.41	704.91
			<i>For 150 LB Rating, Add</i>	2,067.09	
			<i>For 200 LB Rating, Add</i>	2,460.82	
			<i>For 300 LB Rating, Add</i>	2,952.98	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	4,605.70	
23 05	23 00-0415	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	14,343.68	785.02
			<i>For 150 LB Rating, Add</i>	2,806.57	
			<i>For 200 LB Rating, Add</i>	3,341.16	
			<i>For 300 LB Rating, Add</i>	4,009.39	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	6,209.90	
23 05	23 00-0416	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	17,083.88	881.14
			<i>For 150 LB Rating, Add</i>	3,356.31	
			<i>For 200 LB Rating, Add</i>	3,995.61	
			<i>For 300 LB Rating, Add</i>	4,794.74	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,412.39	
23 05	23 00-0417	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	22,356.00	1,081.40
			<i>For 150 LB Rating, Add</i>	4,410.08	
			<i>For 200 LB Rating, Add</i>	5,250.10	
			<i>For 300 LB Rating, Add</i>	6,300.12	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	9,721.30	
23 05	23 00-0418		Bronze Body Swing Check Valves <small>(23 05 23 00-0394)</small>		
23 05	23 00-0419		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves <small>(23 05 23 00-0418)</small>		
23 05	23 00-0420	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	68.46	8.00
			<i>For 300 LB Rating, Add</i>	16.63	
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05	23 00-0421	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	65.95	8.00
			<i>For 300 LB Rating, Add</i>	16.63	
			<i>For Work In Restricted Working Space, Add</i>	6.99	
23 05	23 00-0422	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	67.17	8.00
			<i>For 300 LB Rating, Add</i>	16.63	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 05	23 00-0423	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	70.13	8.00
			<i>For 300 LB Rating, Add</i>	17.28	
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05	23 00-0424	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	88.48	8.40
			<i>For 300 LB Rating, Add</i>	20.94	
			<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05	23 00-0425	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	115.03	8.40
			<i>For 300 LB Rating, Add</i>	28.44	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
23 05	23 00-0426	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	155.69	10.65
			<i>For 300 LB Rating, Add</i>	39.92	
			<i>For Work In Restricted Working Space, Add</i>	16.00	
23 05	23 00-0427	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	204.87	12.32
			<i>For 300 LB Rating, Add</i>	55.90	
			<i>For Work In Restricted Working Space, Add</i>	18.46	
23 05	23 00-0428	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	257.01	14.56
			<i>For 300 LB Rating, Add</i>	71.87	
			<i>For Work In Restricted Working Space, Add</i>	21.82	
23 05	23 00-0429	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	521.91	19.68
			<i>For 300 LB Rating, Add</i>	165.21	
			<i>For Work In Restricted Working Space, Add</i>	29.49	
23 05	23 00-0430	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	715.92	22.85
			<i>For 300 LB Rating, Add</i>	234.98	
			<i>For Work In Restricted Working Space, Add</i>	34.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0431	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB For 300 LB Rating, Add For Work In Restricted Working Space, Add	810.80 265.90 38.70	25.80
23 05 23 00-0432			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0394)</small>		
23 05 23 00-0433	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	285.25 142.64 272.70 22.64	60.00
23 05 23 00-0434	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	318.06 157.15 300.43 26.09	70.00
23 05 23 00-0435	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	355.92 170.44 325.85 31.58	84.00
23 05 23 00-0436	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	444.65 211.69 404.70 40.00	106.65
23 05 23 00-0437	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	497.36 247.06 472.32 40.21	106.89
23 05 23 00-0438	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	551.66 268.47 513.25 47.06	125.33
23 05 23 00-0439	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	873.45 414.91 793.21 78.99	210.10
23 05 23 00-0440	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	1,191.35 609.16 1,164.58 88.66	236.78
23 05 23 00-0441	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	1,368.72 706.30 1,350.28 99.01	263.09
23 05 23 00-0442	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	3,010.80 1,763.38 3,371.16 125.28	336.17
23 05 23 00-0443	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	4,041.46 2,400.33 4,588.87 153.47	409.25
23 05 23 00-0444	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	6,124.78 3,743.20 7,156.12 186.02	496.94
23 05 23 00-0445	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	7,140.70 4,237.81 8,101.70 272.59	726.90
23 05 23 00-0446	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	10,076.47 6,172.35 11,800.07 299.85	799.59
23 05 23 00-0447	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	15,374.99 9,701.20 18,546.41 332.56	886.82
23 05 23 00-0448	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	21,105.89 13,502.44 25,813.49 374.81	999.49
23 05 23 00-0449	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 LB Rating, Add For 250 LB Rating, Add For Work In Restricted Working Space, Add	29,331.20 18,902.57 36,137.27 459.99	1,226.65
23 05 23 00-0450			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves <small>(23 05 23 00-0394)</small> Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0451	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve For Work In Restricted Working Space, Add	173.50 7.74	8.00
23 05 23 00-0452	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve For Work In Restricted Working Space, Add	202.47 10.43	8.80
23 05 23 00-0453	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve For Work In Restricted Working Space, Add	239.04 12.63	10.00
23 05 23 00-0454	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve For Work In Restricted Working Space, Add	375.39 16.00	10.65
23 05 23 00-0455	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve For Work In Restricted Working Space, Add	446.16 18.46	12.32

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 23 00-0456	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	608.12 21.82		14.56
23 05 23 00-0457		Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0394)</small>			
23 05 23 00-0458	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	45.91 7.74		8.00
23 05 23 00-0459	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	54.88 10.43		8.80
23 05 23 00-0460	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	63.00 12.63		10.00
23 05 23 00-0461	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	75.09 16.00		10.65
23 05 23 00-0462	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	84.55 18.46		12.32
23 05 23 00-0463	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	108.51 21.82		14.56
23 05 23 00-0464	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	149.23 29.49		19.68
23 05 23 00-0465	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	179.51 34.03		22.85
23 05 23 00-0466		Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves <small>(23 05 23 00-0394)</small> Note: Nibco®			
23 05 23 00-0467	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	129.35 5.40		8.00
23 05 23 00-0468	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	165.11 6.15		8.80
23 05 23 00-0469	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	228.94 7.35		10.00
23 05 23 00-0470	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	306.23 8.10		10.65
23 05 23 00-0471	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	365.74 9.00		12.32
23 05 23 00-0472	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	524.67 10.80		14.56
23 05 23 00-0473		Crimped Bronze, 250 PSI, In-Line, Check Valves <small>(23 05 23 00-0394)</small>			
23 05 23 00-0474	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	39.85		8.00
23 05 23 00-0475	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	48.47		8.80
23 05 23 00-0476	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	56.73		10.00
23 05 23 00-0477	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	73.60		10.65
23 05 23 00-0478	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	96.16		12.32
23 05 23 00-0479	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	156.42		14.56
23 05 23 00-0480		Diaphragm Valves <small>(23 05 23)</small>			
23 05 23 00-0481		Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>			
23 05 23 00-0482	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	252.91		23.96
23 05 23 00-0483	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	328.28		26.54
23 05 23 00-0484	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	352.04		32.81
23 05 23 00-0485	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	561.70		49.02
23 05 23 00-0486	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	924.04		58.97
23 05 23 00-0487		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>			
23 05 23 00-0488	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	205.07		38.40
23 05 23 00-0489	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	238.65		40.01
23 05 23 00-0490	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	282.83		60.00
23 05 23 00-0491	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	427.80		84.00
23 05 23 00-0492	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	679.69		106.65
23 05 23 00-0493	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	867.19		106.89
23 05 23 00-0494	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,076.76		125.33
23 05 23 00-0495	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,526.10		210.10
23 05 23 00-0496	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,159.20		263.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0497	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	4,903.95	336.17
23 05 23 00-0498			Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0480)		
23 05 23 00-0499	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	146.19	23.96
23 05 23 00-0500	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	196.26	26.54
23 05 23 00-0501	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	220.02	32.81
23 05 23 00-0502	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	381.93	49.02
23 05 23 00-0503	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	505.53	58.97
23 05 23 00-0504			Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0480)		
23 05 23 00-0505	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	138.52	38.40
23 05 23 00-0506	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	161.33	40.01
23 05 23 00-0507	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	205.49	60.00
23 05 23 00-0508	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	322.49	84.00
23 05 23 00-0509	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	434.49	106.65
23 05 23 00-0510	EA		2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	526.67	106.89
23 05 23 00-0511	EA		3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	640.67	125.33
23 05 23 00-0512	EA		4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,012.06	210.10
23 05 23 00-0513	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,007.55	263.09
23 05 23 00-0514	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	3,077.33	336.17
23 05 23 00-0515			125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0480)		
23 05 23 00-0516	EA		1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	259.53	60.00
23 05 23 00-0517	EA		1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	419.25	84.00
23 05 23 00-0518	EA		2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	563.70	106.65
23 05 23 00-0519	EA		2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	805.28	106.89
23 05 23 00-0520	EA		3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	890.34	125.33
23 05 23 00-0521	EA		4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,397.36	210.10
23 05 23 00-0522	EA		6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,793.06	263.09
23 05 23 00-0523	EA		8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	5,782.08	336.17
23 05 23 00-0524			Solenoid Valves (23 05 23)		
23 05 23 00-0525			Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0524)		
23 05 23 00-0526	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Water	100.08	8.00
23 05 23 00-0527	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Water	116.34	8.00
23 05 23 00-0528	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Water	148.63	8.80
23 05 23 00-0529	EA		1" Solenoid Valve, Bronze, 150 PSI, Water	220.43	10.00
23 05 23 00-0530	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	390.75	12.32
23 05 23 00-0531	EA		2" Solenoid Valve, Bronze, 150 PSI, Water.....	615.52	14.56
23 05 23 00-0532	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	838.56	19.68
23 05 23 00-0533	EA		3" Solenoid Valve, Bronze, 150 PSI, Water	1,220.96	22.85
23 05 23 00-0534			Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0535			Conditioned Water Balancing Valves (23 05 23 00-0534)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.					
23 05 23 00-0536	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	125.47	40.83
23 05 23 00-0537	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	149.45	54.43
23 05 23 00-0538	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	293.71	62.20
23 05 23 00-0539	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	387.51	76.85
23 05 23 00-0540	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	454.09	81.66
23 05 23 00-0541	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	625.15	93.34
23 05 23 00-0542	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,194.13	162.61
23 05 23 00-0543	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,703.57	185.85
23 05 23 00-0544	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,354.02	125.43
23 05 23 00-0545	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,661.47	210.27
23 05 23 00-0546	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,937.36	265.60
23 05 23 00-0547	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,309.56	339.38
23 05 23 00-0548	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,610.12	413.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0549		Read Out Meters (23 05 23 00-0534)					
		Note: For use with conditioned portable water balancing valves.					
	23 05 23 00-0550	EA			0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,008.67	
	23 05 23 00-0551	EA			0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
	23 05 23 00-0552	EA			0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
	23 05 23 00-0553	EA			0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0554		Balancing Valves (23 05 23)					
23 05 23 00-0555		Balancing Valves With Lever (23 05 23 00-0554)					
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0556	EA			1/2" Threaded Balancing Valve With Lever.....	187.29	25.21
	23 05 23 00-0557	EA			3/4" Threaded Balancing Valve With Lever.....	207.48	33.22
	23 05 23 00-0558	EA			1" Threaded Balancing Valve With Lever.....	455.22	38.03
	23 05 23 00-0559	EA			1-1/4" Threaded Balancing Valve With Lever	497.37	47.23
	23 05 23 00-0560	EA			1-1/2" Threaded Balancing Valve With Lever	529.94	50.03
	23 05 23 00-0561	EA			2" Threaded Balancing Valve With Lever.....	707.70	57.24
	23 05 23 00-0562	EA			2-1/2" Flanged Balancing Valve With Lever.....	947.86	106.98
	23 05 23 00-0563	EA			3" Flanged Balancing Valve With Lever	922.26	125.43
	23 05 23 00-0564	EA			4" Flanged Balancing Valve With Lever	1,140.19	210.27
	23 05 23 00-0565	EA			5" Flanged Balancing Valve With Lever	1,681.19	239.05
	23 05 23 00-0566	EA			6" Flanged Balancing Valve With Lever	1,731.79	265.60
	23 05 23 00-0567	EA			8" Flanged Balancing Valve With Lever	2,319.07	339.38
23 05 23 00-0568		Balancing Valves With Nut (23 05 23 00-0554)					
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0569	EA			4" Flanged Balancing Valve With Nut	1,092.97	210.27
	23 05 23 00-0570	EA			5" Flanged Balancing Valve With Nut	1,646.07	239.05
	23 05 23 00-0571	EA			6" Flanged Balancing Valve With Nut	1,680.93	265.60
	23 05 23 00-0572	EA			8" Flanged Balancing Valve With Nut	2,258.53	339.38
23 05 23 00-0573		Balancing Valves With Hand Wheel (23 05 23 00-0554)					
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0574	EA			4" Flanged Balancing Valve With Hand Wheel	1,548.26	210.27
	23 05 23 00-0575	EA			5" Flanged Balancing Valve With Hand Wheel	2,128.01	239.05
	23 05 23 00-0576	EA			6" Flanged Balancing Valve With Hand Wheel	2,162.87	265.60
	23 05 23 00-0577	EA			8" Flanged Balancing Valve With Hand Wheel	3,115.84	339.38
	23 05 23 00-0578	EA			10" Flanged Balancing Valve With Hand Wheel	4,822.41	413.16
	23 05 23 00-0579	EA			12" Flanged Balancing Valve With Hand Wheel	6,343.06	339.88
	23 05 23 00-0580	EA			14" Flanged Balancing Valve With Hand Wheel	8,263.82	640.83
23 05 23 00-0581		Balancing Valves With Chain Wheel (23 05 23 00-0554)					
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0582	EA			4" Flanged Balancing Valve With Chain Wheel	1,804.98	210.27
	23 05 23 00-0583	EA			5" Flanged Balancing Valve With Chain Wheel	2,383.51	239.05
	23 05 23 00-0584	EA			6" Flanged Balancing Valve With Chain Wheel	2,418.37	265.60
	23 05 23 00-0585	EA			8" Flanged Balancing Valve With Chain Wheel	3,423.41	339.38
	23 05 23 00-0586	EA			10" Flanged Balancing Valve With Chain Wheel	5,123.92	413.16
	23 05 23 00-0587	EA			12" Flanged Balancing Valve With Chain Wheel	6,903.93	339.64
	23 05 23 00-0588	EA			14" Flanged Balancing Valve With Chain Wheel	8,749.39	640.83
23 05 23 00-0589		Calibrated Balancing Valves (23 05 23 00-0554)					
		Note: Bell & Gossett CB Series.					
	23 05 23 00-0590	EA			1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	85.13	8.00
	23 05 23 00-0591	EA			3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	100.04	8.80
	23 05 23 00-0592	EA			1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	122.20	10.00
	23 05 23 00-0593	EA			1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	164.58	10.65
	23 05 23 00-0594	EA			1" Threaded Calibrated Balancing Valve (CB-1)	130.35	10.00
	23 05 23 00-0595	EA			1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	178.66	10.65
	23 05 23 00-0596	EA			1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	207.63	12.33
	23 05 23 00-0597	EA			2" Threaded Calibrated Balancing Valve (CB-2)	280.36	14.57
	23 05 23 00-0598	EA			2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	521.89	21.37
	23 05 23 00-0599	EA			3" Threaded Calibrated Balancing Valve (CB-3).....	734.76	24.82
	23 05 23 00-0600	EA			2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	694.16	116.08
	23 05 23 00-0601	EA			3" Flanged Calibrated Balancing Valve (CB-3F)	1,004.38	136.09
	23 05 23 00-0602	EA			4" Flanged Calibrated Balancing Valve (CB-4F)	1,572.20	228.15
	23 05 23 00-0603	EA			5" Flanged Calibrated Balancing Valve (CB-5F).....	2,262.43	259.37
	23 05 23 00-0604	EA			6" Flanged Calibrated Balancing Valve (CB-6F)	2,974.91	288.19
	23 05 23 00-0605	EA			8" Flanged Calibrated Balancing Valve (CB-8F)	5,369.11	368.24
	23 05 23 00-0606	EA			10" Flanged Calibrated Balancing Valve (CB-10F).....	7,455.23	448.58
	23 05 23 00-0607	EA			12" Flanged Calibrated Balancing Valve (CB-12F).....	15,706.11	544.71
	23 05 23 00-0608	EA			4" Grooved Calibrated Balancing Valve (CB-4G).....	1,858.04	27.57
	23 05 23 00-0609	EA			5" Grooved Calibrated Balancing Valve (CB-5G)	2,146.24	37.27
	23 05 23 00-0610	EA			6" Grooved Calibrated Balancing Valve (CB-6G).....	2,851.80	47.79
	23 05 23 00-0611	EA			8" Grooved Calibrated Balancing Valve (CB-8G).....	5,332.20	60.66
	23 05 23 00-0612	EA			10" Grooved Calibrated Balancing Valve (CB-10G).....	7,165.24	67.96
	23 05 23 00-0613	EA			12" Grooved Calibrated Balancing Valve (CB-12G).....	14,741.69	82.87

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

23 05 23 00-0614	Butterfly Valves <small>(23 05 23)</small>		
23 05 23 00-0615	Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves <small>(23 05 23 00-0614)</small>		
	Note: With on-off handle		
23 05 23 00-0616	EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	254.41	106.65
	For 200 PSI, Add	58.11	
	For Work In Restricted Working Space, Add	40.00	
23 05 23 00-0617	EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	262.14	106.89
	For 200 PSI, Add	61.49	
	For Work In Restricted Working Space, Add	40.21	
23 05 23 00-0618	EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	294.81	125.33
	For 200 PSI, Add	66.22	
	For Work In Restricted Working Space, Add	47.06	
23 05 23 00-0619	EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	436.44	210.10
	For 200 PSI, Add	83.11	
	For Work In Restricted Working Space, Add	78.99	
23 05 23 00-0620	EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	576.40	263.09
	For 200 PSI, Add	118.25	
	For Work In Restricted Working Space, Add	99.01	
23 05 23 00-0621	EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	666.66	292.32
	For 200 PSI, Add	144.60	
	For Work In Restricted Working Space, Add	109.62	
23 05 23 00-0622	EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	870.89	336.17
	For 200 PSI, Add	217.58	
	For Work In Restricted Working Space, Add	125.28	
23 05 23 00-0623	EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,389.99	409.25
	For 200 PSI, Add	421.65	
	For Work In Restricted Working Space, Add	153.47	
23 05 23 00-0624	EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,739.23	496.94
	For 200 PSI, Add	537.20	
	For Work In Restricted Working Space, Add	186.02	
23 05 23 00-0625	Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <small>(23 05 23 00-0614)</small>		
23 05 23 00-0626	EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	982.97	21.36
	For Work In Restricted Working Space, Add	12.60	
23 05 23 00-0627	EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,063.36	24.81
	For Work In Restricted Working Space, Add	15.00	
23 05 23 00-0628	EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,328.66	28.00
	For Work In Restricted Working Space, Add	19.80	
23 05 23 00-0629	Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0614)</small>		
23 05 23 00-0630	EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	465.57	106.65
	For Work In Restricted Working Space, Add	40.00	
23 05 23 00-0631	EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	469.08	106.89
	For Work In Restricted Working Space, Add	40.21	
23 05 23 00-0632	EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	508.79	125.33
	For Work In Restricted Working Space, Add	47.06	
23 05 23 00-0633	EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	660.27	210.10
	For Work In Restricted Working Space, Add	78.99	
23 05 23 00-0634	EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	824.16	263.09
	For Work In Restricted Working Space, Add	99.01	
23 05 23 00-0635	EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	912.93	292.32
	For Work In Restricted Working Space, Add	109.62	
23 05 23 00-0636	EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,127.10	336.17
	For Work In Restricted Working Space, Add	125.28	
23 05 23 00-0637	EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,428.00	409.25
	For Work In Restricted Working Space, Add	153.47	
23 05 23 00-0638	EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,951.80	496.94
	For Work In Restricted Working Space, Add	186.02	
23 05 23 00-0639	Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0614)</small>		
23 05 23 00-0640	EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,285.91	681.47
	For 200 PSI, Add	855.82	
	For Work In Restricted Working Space, Add	272.59	
23 05 23 00-0641	EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,193.34	799.59
	For 200 PSI, Add	1,149.79	
	For Work In Restricted Working Space, Add	299.85	
23 05 23 00-0642	EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,855.81	890.45
	For 200 PSI, Add	1,708.30	
	For Work In Restricted Working Space, Add	333.16	
23 05 23 00-0643	EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	7,525.55	999.49
	For 200 PSI, Add	2,259.43	
	For Work In Restricted Working Space, Add	374.81	
23 05 23 00-0644	EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	10,107.31	1,226.65
	For 200 PSI, Add	3,085.07	
	For Work In Restricted Working Space, Add	461.30	

23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)

23 05 29 00-0001 Hangers And Supports (23 05 29)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0002			Clevis Hangers (23 05 29 00-0001)		
23 05 29 00-0003			Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)		
			Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100)	15.62	6.63
			<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100)	17.10	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100)	17.95	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	18.74	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	19.04	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100)	20.09	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	22.87	8.41
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100)	24.90	8.84
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	25.76	9.71
			<i>For Work In Restricted Working Space, Add</i>	5.55	
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100)	28.76	10.32
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100)	37.29	12.35
			<i>For Work In Restricted Working Space, Add</i>	7.41	
23 05 29 00-0015	EA		6" Steel Clevis Hanger (Cooper B-Line B3100)	45.04	14.75
			<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0016	EA		8" Steel Clevis Hanger (Cooper B-Line B3100)	62.63	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.06	
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100)	95.07	25.07
			<i>For Work In Restricted Working Space, Add</i>	14.75	
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100)	113.14	27.64
			<i>For Work In Restricted Working Space, Add</i>	16.59	
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100)	144.88	30.96
			<i>For Work In Restricted Working Space, Add</i>	19.02	
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100)	184.33	36.86
			<i>For Work In Restricted Working Space, Add</i>	22.12	
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100)	229.54	46.08
			<i>For Work In Restricted Working Space, Add</i>	27.65	
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100)	399.27	55.29
			<i>For Work In Restricted Working Space, Add</i>	33.17	
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100)	638.95	64.50
			<i>For Work In Restricted Working Space, Add</i>	38.70	
23 05 29 00-0024			Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	21.84	6.63
			<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	23.32	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	24.32	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.23	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.03	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.68	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.91	8.41
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.68	8.84
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.50	10.32
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	41.75	10.32
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	73.92	12.35
			<i>For Work In Restricted Working Space, Add</i>	7.41	
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	92.42	14.75
			<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	108.80	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.06	
23 05 29 00-0038			Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	15.39	6.63
			<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	16.92	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	17.91	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.38	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.56	7.97
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	19.12	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	21.59 5.06	8.41
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	22.73 5.20	8.84
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	25.54 5.90	10.32
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)..... <i>For Work In Restricted Working Space, Add</i>	26.78 5.90	10.32
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	24.70 4.43	7.37
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	25.55 4.66	7.37
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	25.98 4.79	7.97
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	27.22 4.79	7.97
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	29.73 4.91	8.11
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	32.37 5.06	8.41
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	34.22 5.20	8.84
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	41.93 5.90	10.32
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	52.97 7.41	12.35
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	66.08 8.85	14.75
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	97.13 11.06	18.44
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	138.28 14.75	25.07
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108)..... <i>For Work In Restricted Working Space, Add</i>	155.25 16.59	27.64
23 05 29 00-0063			Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	31.19 4.91	8.11
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	33.74 5.06	8.41
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	35.77 5.20	8.84
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	39.28 5.90	10.32
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	42.37 5.90	10.32
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	52.40 7.41	12.35
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	60.69 8.85	14.75
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)..... <i>For Work In Restricted Working Space, Add</i>	82.20 11.06	18.44
23 05 29 00-0072			Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0002)		
23 05 29 00-0073	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	18.26 4.09	6.82
23 05 29 00-0074	EA		3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	19.38 4.43	7.37
23 05 29 00-0075	EA		1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	20.15 4.66	7.37
23 05 29 00-0076	EA		1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	20.94 4.74	7.61
23 05 29 00-0077	EA		1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	21.41 4.83	7.86
23 05 29 00-0078	EA		2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	22.48 4.91	8.11
23 05 29 00-0079	EA		2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	25.52 5.03	8.48
23 05 29 00-0080	EA		3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	29.77 5.20	8.84
23 05 29 00-0081	EA		3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	32.45 5.53	9.58
23 05 29 00-0082	EA		4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	34.18 5.90	10.32
23 05 29 00-0083	EA		5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	42.80 7.09	12.53
23 05 29 00-0084	EA		6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)..... <i>For Work In Restricted Working Space, Add</i>	56.92 8.85	14.75
23 05 29 00-0085			Adjustable Hangers (23 05 29 00-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0086			Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0085) Note: Type 5.		
23 05 29 00-0087	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	14.57	5.79
			<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0088	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	15.84	6.42
			<i>For Work In Restricted Working Space, Add</i>	3.85	
23 05 29 00-0089	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	17.25	7.14
			<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0090	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.94	7.93
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0091	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	19.92	8.32
			<i>For Work In Restricted Working Space, Add</i>	5.00	
23 05 29 00-0092	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	21.64	8.73
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0093	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	26.28	9.12
			<i>For Work In Restricted Working Space, Add</i>	5.47	
23 05 29 00-0094	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.47	9.51
			<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0095	EA		4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	33.69	10.70
			<i>For Work In Restricted Working Space, Add</i>	6.42	
23 05 29 00-0096			Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0085) Note: Type 10.		
23 05 29 00-0097	EA		1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	16.12	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For 304 Stainless Steel, Add</i>	9.04	
			<i>For 316 Stainless Steel, Add</i>	11.65	
23 05 29 00-0098	EA		3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	17.02	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.66	
			<i>For 304 Stainless Steel, Add</i>	9.90	
			<i>For 316 Stainless Steel, Add</i>	12.75	
23 05 29 00-0099	EA		1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	17.88	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.91	
			<i>For 304 Stainless Steel, Add</i>	9.90	
			<i>For 316 Stainless Steel, Add</i>	12.75	
23 05 29 00-0100	EA		1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	19.02	8.84
			<i>For Work In Restricted Working Space, Add</i>	5.20	
			<i>For 304 Stainless Steel, Add</i>	11.09	
			<i>For 316 Stainless Steel, Add</i>	14.28	
23 05 29 00-0101	EA		1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	21.34	10.32
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For 304 Stainless Steel, Add</i>	11.09	
			<i>For 316 Stainless Steel, Add</i>	14.28	
23 05 29 00-0102	EA		2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	22.83	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For 304 Stainless Steel, Add</i>	11.68	
			<i>For 316 Stainless Steel, Add</i>	15.05	
23 05 29 00-0103	EA		2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	25.56	11.06
			<i>For Work In Restricted Working Space, Add</i>	6.80	
			<i>For 304 Stainless Steel, Add</i>	19.01	
			<i>For 316 Stainless Steel, Add</i>	24.48	
23 05 29 00-0104	EA		3" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	27.57	12.53
			<i>For Work In Restricted Working Space, Add</i>	7.37	
			<i>For 304 Stainless Steel, Add</i>	19.80	
			<i>For 316 Stainless Steel, Add</i>	25.50	
23 05 29 00-0105	EA		3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	30.92	13.45
			<i>For Work In Restricted Working Space, Add</i>	8.07	
			<i>For 304 Stainless Steel, Add</i>	26.53	
			<i>For 316 Stainless Steel, Add</i>	34.17	
23 05 29 00-0106	EA		4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	33.51	14.75
			<i>For Work In Restricted Working Space, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	26.53	
			<i>For 316 Stainless Steel, Add</i>	34.17	
23 05 29 00-0107	EA		5" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	41.53	16.59
			<i>For Work In Restricted Working Space, Add</i>	9.95	
			<i>For 304 Stainless Steel, Add</i>	55.18	
			<i>For 316 Stainless Steel, Add</i>	71.06	
23 05 29 00-0108	EA		6" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	45.34	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.06	
			<i>For 304 Stainless Steel, Add</i>	55.97	
			<i>For 316 Stainless Steel, Add</i>	72.08	
23 05 29 00-0109	EA		8" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	54.31	22.11
			<i>For Work In Restricted Working Space, Add</i>	13.27	
			<i>For 304 Stainless Steel, Add</i>	66.53	
			<i>For 316 Stainless Steel, Add</i>	85.68	
23 05 29 00-0110			Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111			Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110) Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA		2" Single Pipe Roll (Cooper B-Line B3114).....	31.29	5.91
			Note: Excludes rod and nuts.		
			<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0113	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	34.23	6.64
			Note: Excludes rod and nuts.		
			<i>For Work In Restricted Working Space, Add</i>	3.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0114	EA		3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	37.59 4.65	7.75
23 05 29 00-0115	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	43.34 5.31	8.85
23 05 29 00-0116	EA		4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	63.09 5.98	9.96
23 05 29 00-0117	EA		5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	53.24 6.64	11.07
23 05 29 00-0118	EA		6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	66.95 7.97	13.28
23 05 29 00-0119	EA		8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	93.64 9.29	15.50
23 05 29 00-0120	EA		10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	110.91 11.07	18.45
23 05 29 00-0121			Adjustable Clevis Roller Hanger (Cooper B-Line B3110) <small>(23 05 29 00-0110)</small> Note: Type 43.		
23 05 29 00-0122	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.89 6.00 164.21 211.48	10.41
23 05 29 00-0123	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	46.33 6.44 164.21 211.48	10.72
23 05 29 00-0124	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.62 6.86 183.15 235.88	11.21
23 05 29 00-0125	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	60.95 7.20 243.80 313.99	12.01
23 05 29 00-0126	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	63.62 8.00 243.80 313.99	13.61
23 05 29 00-0127	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	72.43 8.79 284.66 366.61	14.65
23 05 29 00-0128	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	85.59 9.61 353.50 455.26	16.01
23 05 29 00-0129	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	120.19 12.01 529.06 681.36	20.01
23 05 29 00-0130	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	148.87 16.01 630.30 811.75	27.22
23 05 29 00-0131	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	200.43 18.01 926.57 1,193.32	30.01
23 05 29 00-0132	EA		14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	457.88 20.65 2,567.66 3,306.84	34.42
23 05 29 00-0133	EA		16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	579.44 24.02 3,295.97 4,244.82	40.03
23 05 29 00-0134			Pipe And Riser Clamps <small>(23 05 29 00-0001)</small> Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0135			Steel Pipe Clamp (Cooper B-Line B3140) <small>(23 05 29 00-0134)</small> Note: Type 4.		
23 05 29 00-0136	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	15.30 2.85	4.76
23 05 29 00-0137	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	15.46 2.90	4.84
23 05 29 00-0138	EA		1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	15.66 2.95	4.91
23 05 29 00-0139	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	17.59 3.00	4.99
23 05 29 00-0140	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	17.74 3.04	5.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0141	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	19.24	5.15
		<i>For Work In Restricted Working Space, Add</i>	3.09	
23 05 29 00-0142	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.09	5.31
		<i>For Work In Restricted Working Space, Add</i>	3.19	
23 05 29 00-0143	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	21.50	5.47
		<i>For Work In Restricted Working Space, Add</i>	3.28	
23 05 29 00-0144	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	26.04	5.55
		<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0145	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	29.21	7.14
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0146	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	42.89	9.51
		<i>For Work In Restricted Working Space, Add</i>	5.71	
23 05 29 00-0147	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	60.37	11.90
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0148	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	71.23	13.88
		<i>For Work In Restricted Working Space, Add</i>	8.33	
23 05 29 00-0149	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	110.10	15.86
		<i>For Work In Restricted Working Space, Add</i>	9.51	
23 05 29 00-0150	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	156.14	17.44
		<i>For Work In Restricted Working Space, Add</i>	10.46	
23 05 29 00-0151	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	265.62	19.03
		<i>For Work In Restricted Working Space, Add</i>	11.42	
23 05 29 00-0152	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	287.93	20.61
		<i>For Work In Restricted Working Space, Add</i>	12.37	
23 05 29 00-0153	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	483.90	22.20
		<i>For Work In Restricted Working Space, Add</i>	13.32	
23 05 29 00-0154	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	562.29	23.78
		<i>For Work In Restricted Working Space, Add</i>	14.27	
23 05 29 00-0155	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	739.74	26.17
		<i>For Work In Restricted Working Space, Add</i>	15.70	

23 05 29 00-0156 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0134)

Note: Type 8.

23 05 29 00-0157	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	16.09	4.43
		<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0158	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	16.91	4.50
		<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0159	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	17.14	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-0160	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	18.97	4.65
		<i>For Work In Restricted Working Space, Add</i>	2.79	
23 05 29 00-0161	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	19.88	4.72
		<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0162	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	20.41	4.79
		<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0163	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	21.36	4.94
		<i>For Work In Restricted Working Space, Add</i>	2.96	
23 05 29 00-0164	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	22.87	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	
23 05 29 00-0165	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	25.75	5.16
		<i>For Work In Restricted Working Space, Add</i>	3.10	
23 05 29 00-0166	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	30.73	6.63
		<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0167	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	39.35	8.84
		<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0168	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	50.13	11.06
		<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0169	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	71.67	12.90
		<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0170	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	97.36	14.75
		<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0171	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	120.10	16.22
		<i>For Work In Restricted Working Space, Add</i>	9.73	
23 05 29 00-0172	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	167.29	17.70
		<i>For Work In Restricted Working Space, Add</i>	10.61	
23 05 29 00-0173	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	339.45	19.16
		<i>For Work In Restricted Working Space, Add</i>	11.50	

23 05 29 00-0174 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0134)

23 05 29 00-0175	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.32	4.43
		<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0176	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.83	4.50
		<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0177	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.39	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-0178	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	38.19	4.65
		<i>For Work In Restricted Working Space, Add</i>	2.79	
23 05 29 00-0179	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	43.91	4.72
		<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0180	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.96	4.79
		<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0181	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	51.19	4.94
		<i>For Work In Restricted Working Space, Add</i>	2.96	
23 05 29 00-0182	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	56.76	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0183	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	77.22 3.98	6.63
23 05 29 00-0184			Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0134)		
23 05 29 00-0185	EA		1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	22.91	4.43
23 05 29 00-0186	EA		3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	23.07	4.50
23 05 29 00-0187	EA		1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	23.21	4.57
23 05 29 00-0188	EA		1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	23.81	4.65
23 05 29 00-0189	EA		1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	27.18	4.72
23 05 29 00-0190	EA		2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	28.28	4.79
23 05 29 00-0191	EA		2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	31.90	4.94
23 05 29 00-0192	EA		3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	35.66	5.08
23 05 29 00-0193	EA		3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	44.16	5.16
23 05 29 00-0194	EA		4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	47.45	6.63
23 05 29 00-0195	EA		5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	63.09	8.84
23 05 29 00-0196	EA		6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	80.58	11.06
23 05 29 00-0197			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0134)		
			Note: Type 42		
23 05 29 00-0198	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	82.10 3.07	5.16
23 05 29 00-0199	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	86.96 3.34	5.53
23 05 29 00-0200	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	95.80 3.53	5.90
23 05 29 00-0201	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	102.88 3.53	5.90
23 05 29 00-0202	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	125.17 3.98	6.63
23 05 29 00-0203	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	408.20 4.43	7.37
23 05 29 00-0204	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	548.37 5.31	8.84
23 05 29 00-0205	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	653.74 6.19	10.32
23 05 29 00-0206	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	958.19 6.63	11.06
23 05 29 00-0207	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	1,325.73 7.08	11.79
23 05 29 00-0208			Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0134)		
23 05 29 00-0209	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	75.20 3.07	5.16
23 05 29 00-0210	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	81.04 3.34	5.53
23 05 29 00-0211	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	147.26 3.53	5.90
23 05 29 00-0212	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	164.74 3.53	5.90
23 05 29 00-0213	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	239.24 3.98	6.63
23 05 29 00-0214	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	370.96 4.43	7.37
23 05 29 00-0215	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	499.15 5.31	8.84
23 05 29 00-0216	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	594.39 6.19	10.32
23 05 29 00-0217	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	874.83 6.63	11.06
23 05 29 00-0218	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	1,202.34 7.08	11.79
23 05 29 00-0219			Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0220			Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0219)		
			Note: Type 6.		
23 05 29 00-0221	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	27.40 4.04	6.74
23 05 29 00-0222	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	29.03 4.28	7.14
23 05 29 00-0223	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	31.32 4.76	7.93
23 05 29 00-0224	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	34.06 5.00	8.32
23 05 29 00-0225	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	37.20 5.23	8.73
23 05 29 00-0226	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	48.34 5.47	9.12
23 05 29 00-0227	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	53.76 5.71	9.51
23 05 29 00-0228	EA		4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	74.40 6.42	10.70
23 05 29 00-0229	EA		5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	94.78 8.09	13.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0230	EA		6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	129.90 9.51	15.86
23 05 29 00-0231			Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0219)		
			Note: Type 11.		
23 05 29 00-0232	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	15.94 3.43	5.60
23 05 29 00-0233	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	16.89 3.58	5.60
23 05 29 00-0234	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	18.46 4.00	7.20
23 05 29 00-0235	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	20.40 4.21	7.20
23 05 29 00-0236	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	23.60 4.36	7.20
23 05 29 00-0237	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	28.33 4.80	8.00
23 05 29 00-0238	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	41.28 5.00	8.00
23 05 29 00-0239	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	46.73 5.22	8.80
23 05 29 00-0240	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	49.36 5.72	9.61
23 05 29 00-0241			Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0219)		
			Note: Type 12.		
23 05 29 00-0242	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	15.94 3.43	5.60
23 05 29 00-0243	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	16.89 3.58	6.00
23 05 29 00-0244	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	18.46 4.00	6.80
23 05 29 00-0245	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	20.40 4.21	7.20
23 05 29 00-0246	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	23.60 4.36	7.20
23 05 29 00-0247	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	28.33 4.80	8.00
23 05 29 00-0248	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	41.28 5.00	8.40
23 05 29 00-0249	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	46.73 5.22	8.80
23 05 29 00-0250			Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0251			Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0250)		
23 05 29 00-0252	EA		1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	10.67 2.40	4.00
23 05 29 00-0253	EA		3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	11.09 2.53	4.80
23 05 29 00-0254	EA		1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	11.56 2.67	4.80
23 05 29 00-0255	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	12.20 2.82	4.80
23 05 29 00-0256	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	12.88 3.00	5.60
23 05 29 00-0257	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	15.41 3.20	5.60
23 05 29 00-0258	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	20.00 3.43	5.60
23 05 29 00-0259	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	27.31 3.69	5.60
23 05 29 00-0260	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	32.46 4.32	7.20
23 05 29 00-0261	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	40.89 4.80	8.00
23 05 29 00-0262	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)..... <i>For Work In Restricted Working Space, Add</i>	52.66 5.28	8.80
23 05 29 00-0263			Two Hole Copper-Clad Pipe Straps (23 05 29 00-0250)		
23 05 29 00-0264	EA		1/2" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	4.43 1.20	
23 05 29 00-0265	EA		3/4" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	4.71 1.26	
23 05 29 00-0266	EA		1" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	5.28 1.32	
23 05 29 00-0267	EA		1-1/4" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	5.88 1.38	
23 05 29 00-0268	EA		1-1/2" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	6.32 1.44	
23 05 29 00-0269	EA		2" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	6.86 1.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0270			One Hole Galvanized Steel Pipe Straps (23 05 29 00-0250)		
23 05 29 00-0271	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	2.52	
			<i>For Work In Restricted Working Space, Add</i>	0.40	
23 05 29 00-0272	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.10	
			<i>For Work In Restricted Working Space, Add</i>	0.43	
23 05 29 00-0273	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.34	
			<i>For Work In Restricted Working Space, Add</i>	0.46	
23 05 29 00-0274	EA		1-1/4" Galvanized Steel Strap, 1 Hole.....	3.58	
			<i>For Work In Restricted Working Space, Add</i>	0.50	
23 05 29 00-0275	EA		1-1/2" Galvanized Steel Strap, 1 Hole.....	3.83	
			<i>For Work In Restricted Working Space, Add</i>	0.55	
23 05 29 00-0276	EA		2" Galvanized Steel Strap, 1 Hole.....	4.29	
			<i>For Work In Restricted Working Space, Add</i>	0.60	
23 05 29 00-0277			Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0278			Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0277)		
			Note: Up to 750# load.		
23 05 29 00-0279	EA		9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	137.15	8.84
			<i>For Galvanized, Add</i>	23.89	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0280	EA		13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	139.34	8.84
			<i>For Galvanized, Add</i>	24.33	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0281	EA		19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	147.98	8.84
			<i>For Galvanized, Add</i>	26.06	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0282			Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0277)		
			Note: Up to 1500# load.		
23 05 29 00-0283	EA		12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	348.22	8.84
			<i>For Galvanized, Add</i>	66.10	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0284	EA		18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	410.36	8.84
			<i>For Galvanized, Add</i>	78.53	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0285	EA		24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	537.06	8.84
			<i>For Galvanized, Add</i>	103.87	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0286			Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0287			Pipe Alignment Guide, 1" Insulation (23 05 29 00-0286)		
23 05 29 00-0288	EA		1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	552.25	14.01
23 05 29 00-0289	EA		3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	552.98	14.37
23 05 29 00-0290	EA		1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	553.72	14.75
23 05 29 00-0291	EA		1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	554.46	15.11
23 05 29 00-0292	EA		1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	606.25	15.48
23 05 29 00-0293	EA		2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	617.15	16.96
23 05 29 00-0294	EA		2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	618.26	17.51
23 05 29 00-0295	EA		3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	619.36	18.06
23 05 29 00-0296	EA		4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	655.45	19.16
23 05 29 00-0297	EA		5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	761.93	24.33
23 05 29 00-0298	EA		6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	772.24	29.49
23 05 29 00-0299	EA		8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	865.91	36.86
23 05 29 00-0300	EA		10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,630.53	44.23
23 05 29 00-0301	EA		12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,491.79	58.97
23 05 29 00-0302	EA		14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	3,064.88	73.72
23 05 29 00-0303	EA		16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,695.32	82.56
23 05 29 00-0304	EA		18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	3,981.90	92.15
23 05 29 00-0305	EA		20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	4,222.60	105.42
23 05 29 00-0306	EA		24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	5,347.74	110.58
23 05 29 00-0307			Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0286)		
23 05 29 00-0308	EA		1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	552.98	14.37
23 05 29 00-0309	EA		3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	604.78	14.75
23 05 29 00-0310	EA		1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	605.52	15.11
23 05 29 00-0311	EA		1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	606.25	15.48
23 05 29 00-0312	EA		1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	606.99	15.85
23 05 29 00-0313	EA		2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	617.89	17.32
23 05 29 00-0314	EA		2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	619.00	17.88
23 05 29 00-0315	EA		3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	653.97	18.44
23 05 29 00-0316	EA		4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	656.18	19.54
23 05 29 00-0317	EA		5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	763.03	24.88
23 05 29 00-0318	EA		6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	773.72	30.23
23 05 29 00-0319	EA		8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	867.75	37.78
23 05 29 00-0320	EA		10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,632.74	45.34
23 05 29 00-0321	EA		12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	2,494.74	60.45

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0322	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	3,068.57	75.56
23 05 29 00-0323	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,699.74	84.78
23 05 29 00-0324	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,986.33	94.36
23 05 29 00-0325	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	4,227.76	108.00
23 05 29 00-0326	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	5,353.27	113.34

23 05 29 00-0327 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0286)

23 05 29 00-0328	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	604.78	14.75
23 05 29 00-0329	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	613.47	15.11
23 05 29 00-0330	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	614.20	15.48
23 05 29 00-0331	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	614.94	15.85
23 05 29 00-0332	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	615.67	16.22
23 05 29 00-0333	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	652.49	17.70
23 05 29 00-0334	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	653.97	18.44
23 05 29 00-0335	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	654.89	18.89
23 05 29 00-0336	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	753.08	19.90
23 05 29 00-0337	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	764.14	25.43
23 05 29 00-0338	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	854.12	30.96
23 05 29 00-0339	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	957.01	38.70
23 05 29 00-0340	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,634.94	46.44
23 05 29 00-0341	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,497.69	61.93
23 05 29 00-0342	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	3,072.25	77.41
23 05 29 00-0343	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,703.99	86.91
23 05 29 00-0344	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,991.12	96.75
23 05 29 00-0345	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	4,232.92	110.58
23 05 29 00-0346	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	5,358.80	116.11

23 05 29 00-0347 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0286)

23 05 29 00-0348	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	613.47	15.11
23 05 29 00-0349	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	648.07	15.48
23 05 29 00-0350	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	648.81	15.85
23 05 29 00-0351	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	649.54	16.22
23 05 29 00-0352	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	650.28	16.59
23 05 29 00-0353	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	653.23	18.06
23 05 29 00-0354	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	654.89	18.89
23 05 29 00-0355	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	751.97	19.35
23 05 29 00-0356	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	753.82	20.27
23 05 29 00-0357	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	843.80	25.80
23 05 29 00-0358	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	855.59	31.70
23 05 29 00-0359	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,621.31	39.63
23 05 29 00-0360	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,468.94	47.55
23 05 29 00-0361	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	3,044.24	63.40
23 05 29 00-0362	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	3,076.49	79.25
23 05 29 00-0363	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,708.58	89.20
23 05 29 00-0364	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,995.91	99.15
23 05 29 00-0365	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	4,238.45	113.34
23 05 29 00-0366	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	5,364.70	119.06

23 05 29 00-0367 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0286)

23 05 29 00-0368	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	648.07	15.48
23 05 29 00-0369	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	648.81	15.85
23 05 29 00-0370	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	649.54	16.22
23 05 29 00-0371	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	650.28	16.59
23 05 29 00-0372	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	651.02	16.96
23 05 29 00-0373	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	750.13	18.44
23 05 29 00-0374	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	751.97	19.35
23 05 29 00-0375	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	753.08	19.90
23 05 29 00-0376	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	833.77	20.79
23 05 29 00-0377	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	845.27	26.54
23 05 29 00-0378	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	944.48	32.43
23 05 29 00-0379	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,623.15	40.55
23 05 29 00-0380	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,471.15	48.66
23 05 29 00-0381	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	3,047.18	64.88
23 05 29 00-0382	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	3,080.18	81.09
23 05 29 00-0383	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,713.01	91.42
23 05 29 00-0384	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	4,000.33	101.36
23 05 29 00-0385	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	4,243.98	116.11
23 05 29 00-0386	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	5,370.59	122.01

23 05 29 00-0387 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0286)

23 05 29 00-0388	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	648.81	15.85
23 05 29 00-0389	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	745.70	16.22
23 05 29 00-0390	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	746.44	16.59
23 05 29 00-0391	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	747.18	16.96
23 05 29 00-0392	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	747.92	17.32
23 05 29 00-0393	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	751.05	18.89
23 05 29 00-0394	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	752.93	19.83
23 05 29 00-0395	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	832.99	20.41
23 05 29 00-0396	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	834.95	21.38
23 05 29 00-0397	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	934.16	27.28
23 05 29 00-0398	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,608.41	33.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0399	EA		8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,456.78	41.47
23 05 29 00-0400	EA		10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	3,017.74	49.87
23 05 29 00-0401	EA		12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	3,662.87	66.35
23 05 29 00-0402	EA		14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,696.42	83.12
23 05 29 00-0403	EA		16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	3,997.45	93.62
23 05 29 00-0404	EA		18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	4,219.65	103.95
23 05 29 00-0405	EA		20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	5,363.96	118.69
23 05 29 00-0406			Pipe Alignment Guide, 4" Insulation (23 05 29 00-0286)		
23 05 29 00-0407	EA		1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	745.70	16.22
23 05 29 00-0408	EA		3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	746.44	16.59
23 05 29 00-0409	EA		1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	747.18	16.96
23 05 29 00-0410	EA		1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	747.92	17.32
23 05 29 00-0411	EA		1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	748.65	17.70
23 05 29 00-0412	EA		2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	830.89	19.35
23 05 29 00-0413	EA		2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	832.74	20.27
23 05 29 00-0414	EA		3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	833.99	20.90
23 05 29 00-0415	EA		4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	923.46	21.93
23 05 29 00-0416	EA		5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,598.08	28.02
23 05 29 00-0417	EA		6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,609.88	33.91
23 05 29 00-0418	EA		8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,458.62	42.39
23 05 29 00-0419	EA		10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	3,020.46	51.23
23 05 29 00-0420	EA		12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,666.19	68.01
23 05 29 00-0421	EA		14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	3,967.16	84.78
23 05 29 00-0422	EA		16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	4,203.43	95.83
23 05 29 00-0423	EA		18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	5,340.37	106.89
23 05 29 00-0424			Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0425	EA		1-1/2" Sway Bracing.....	102.97	9.73
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0426	EA		2" Sway Bracing.....	106.04	10.25
			<i>For Work In Restricted Working Space, Add</i>	6.14	
23 05 29 00-0427	EA		3" Sway Bracing.....	109.78	10.83
			<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0428	EA		4" Sway Bracing.....	124.60	12.31
			<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0429	EA		6" Sway Bracing.....	182.74	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.06	
23 05 29 00-0430	EA		8" Sway Bracing.....	201.87	23.00
			<i>For Work In Restricted Working Space, Add</i>	13.82	
23 05 29 00-0431	EA		10" Sway Bracing.....	226.53	30.75
			<i>For Work In Restricted Working Space, Add</i>	18.43	
23 05 29 00-0432			Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
			Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0433	EA		23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	224.97	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0434	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	229.85	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0435	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	447.61	9.22
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0436	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	550.98	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0437	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	557.86	11.43
			<i>For Work In Restricted Working Space, Add</i>	6.86	
23 05 29 00-0438	EA		25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	612.12	12.90
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0439	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	732.18	14.01
			<i>For Work In Restricted Working Space, Add</i>	8.41	
23 05 29 00-0440	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	740.53	15.11
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0441	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	751.22	16.59
			<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0442	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	781.50	18.06
			<i>For Work In Restricted Working Space, Add</i>	10.84	
23 05 29 00-0443	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	835.87	19.90
			<i>For Work In Restricted Working Space, Add</i>	11.94	
23 05 29 00-0444	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	860.22	22.11
			<i>For Work In Restricted Working Space, Add</i>	13.27	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0445	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) <i>For Work In Restricted Working Space, Add</i>	1,049.36 14.60	24.33
23 05 29 00-0446	EA		33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) <i>For Work In Restricted Working Space, Add</i>	1,142.49 16.37	27.28
23 05 29 00-0447	EA		35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) <i>For Work In Restricted Working Space, Add</i>	1,618.61 18.14	30.23
23 05 29 00-0448	EA		36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) <i>For Work In Restricted Working Space, Add</i>	1,985.88 19.91	33.17
23 05 29 00-0449	EA		39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle) <i>For Work In Restricted Working Space, Add</i>	2,376.71 21.67	36.12
23 05 29 00-0450			Rooftop Pipe Supports (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0451			Rooftop Support Base (23 05 29 00-0450)		
23 05 29 00-0452	EA		4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	29.53	6.00
23 05 29 00-0453	EA		4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	41.29	8.00
23 05 29 00-0454			Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0450)		
23 05 29 00-0455	EA		5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	33.90	6.00
23 05 29 00-0456	EA		5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	48.39	8.00
23 05 29 00-0457	EA		5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	91.33	10.00
23 05 29 00-0458	EA		5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	126.98	12.00
23 05 29 00-0459	EA		5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	176.93	14.00
23 05 29 00-0460	EA		5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	186.09	16.00
23 05 29 00-0461			Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0450)		
23 05 29 00-0462	EA		6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	59.97	8.00
23 05 29 00-0463	EA		6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	96.50	10.00
23 05 29 00-0464	EA		6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	129.05	12.00
23 05 29 00-0465	EA		6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	177.05	14.00
23 05 29 00-0466	EA		6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	200.74	12.00
23 05 29 00-0467			Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0450)		
23 05 29 00-0468	EA		5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	101.03	12.00
23 05 29 00-0469	EA		5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	114.93	14.00
23 05 29 00-0470	EA		5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	118.90	16.00
23 05 29 00-0471	EA		5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	129.94	18.00
23 05 29 00-0472	EA		5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	167.56	20.00
23 05 29 00-0473			Rooftop Pipe Support Base And Rod (23 05 29 00-0450)		
23 05 29 00-0474	EA		9.69' To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	73.70	8.00
23 05 29 00-0475	EA		9.84' To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	73.70	8.00
23 05 29 00-0476	EA		9.95' To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	74.13	8.00
23 05 29 00-0477	EA		10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	78.57	10.00
23 05 29 00-0478	EA		10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	75.40	10.00
23 05 29 00-0479	EA		10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	79.47	10.00
23 05 29 00-0480			Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0450)		
23 05 29 00-0481	EA		7.09' x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	94.46	8.00
23 05 29 00-0482	EA		7.09' x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	105.85	8.00
23 05 29 00-0483	EA		8.34' x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	138.96	10.00
23 05 29 00-0484	EA		9.38' x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	185.50	10.00
23 05 29 00-0485	EA		9.78' x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	254.63	10.00
23 05 29 00-0486			Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0450) Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0487	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	116.81	12.00
23 05 29 00-0488			Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0450) Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0489	EA		Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	75.61	10.00
23 05 29 00-0490	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	103.79	12.00
23 05 29 00-0491	EA		Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	115.46	14.00
23 05 29 00-0492			Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0490) Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0493	EA		23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	286.88	16.00
23 05 29 00-0494	EA		29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	290.16	16.00
23 05 29 00-0495	EA		41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	301.65	16.00
23 05 29 00-0496	EA		53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	328.03	16.00
23 05 29 00-0497	EA		23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	281.04	16.00
23 05 29 00-0498	EA		29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	292.03	16.00
23 05 29 00-0499	EA		41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	303.52	16.00
23 05 29 00-0500	EA		53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	329.89	16.00
23 05 29 00-0501	EA		23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	294.10	16.00
23 05 29 00-0502	EA		29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	297.94	16.00
23 05 29 00-0503	EA		41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	309.21	16.00
23 05 29 00-0504	EA		53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	335.70	16.00
23 05 29 00-0505	EA		23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	307.46	16.00
23 05 29 00-0506	EA		29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	310.96	16.00
23 05 29 00-0507	EA		41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	322.23	16.00
23 05 29 00-0508	EA		53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	348.71	16.00
23 05 29 00-0509			Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0510			Threaded Rod And Rod Accessories (23 05 29 00-0509)		
23 05 29 00-0511			Threaded Rod (23 05 29 00-0510) Note: Fully threaded.		
23 05 29 00-0512	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	3.02	0.50
			For Galvanized, Add	0.81	
			For Zinc Plated, Add	0.58	
			For Work In Restricted Working Space, Add	0.30	
23 05 29 00-0513	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.28	0.54
			For Galvanized, Add	1.29	
			For Zinc Plated, Add	0.92	
			For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0514	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	6.09	0.56
			For Galvanized, Add	2.00	
			For Zinc Plated, Add	1.42	
			For Work In Restricted Working Space, Add	0.33	
23 05 29 00-0515	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	10.19	0.57
			For Galvanized, Add	3.62	
			For Zinc Plated, Add	2.58	
			For Work In Restricted Working Space, Add	0.34	
23 05 29 00-0516	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	11.13	0.59
			For Galvanized, Add	3.98	
			For Zinc Plated, Add	2.84	
			For Work In Restricted Working Space, Add	0.35	
23 05 29 00-0517	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	15.31	0.67
			For Galvanized, Add	5.59	
			For Zinc Plated, Add	3.98	
			For Work In Restricted Working Space, Add	0.40	
23 05 29 00-0518	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	19.13	0.74
			For Galvanized, Add	7.06	
			For Zinc Plated, Add	5.03	
			For Work In Restricted Working Space, Add	0.45	
23 05 29 00-0519			Rod Couplings (23 05 29 00-0510)		
23 05 29 00-0520	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	6.50	
			For Work In Restricted Working Space, Add	1.47	
23 05 29 00-0521	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	7.45	
			For Work In Restricted Working Space, Add	1.64	
23 05 29 00-0522	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	9.67	
			For Work In Restricted Working Space, Add	1.85	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 29 00-0523	EA	3/4" Diameter, Threaded Rod Coupling Nut.....	12.21		
		<i>For Work In Restricted Working Space, Add</i>	2.01		
23 05 29 00-0524	EA	7/8" Diameter, Threaded Rod Coupling Nut.....	19.20		
		<i>For Work In Restricted Working Space, Add</i>	2.21		
23 05 29 00-0525	EA	1" Diameter, Threaded Rod Coupling Nut.....	22.83		
		<i>For Work In Restricted Working Space, Add</i>	2.60		
23 05 29 00-0526	EA	1-1/8" Diameter, Threaded Rod Coupling Nut.....	47.28		
		<i>For Work In Restricted Working Space, Add</i>	2.95		
23 05 29 00-0527		Flat Washers (23 05 29 00-0510)			
		Note: Zinc plated.			
23 05 29 00-0528	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.47		0.16
		<i>For Galvanized, Add</i>	0.04		
		<i>For Work In Restricted Working Space, Add</i>	0.10		
23 05 29 00-0529	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.67		0.16
		<i>For Galvanized, Add</i>	0.08		
		<i>For Work In Restricted Working Space, Add</i>	0.11		
23 05 29 00-0530	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.02		0.24
		<i>For Galvanized, Add</i>	0.15		
		<i>For Work In Restricted Working Space, Add</i>	0.13		
23 05 29 00-0531	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.41		0.24
		<i>For Galvanized, Add</i>	0.21		
		<i>For Work In Restricted Working Space, Add</i>	0.17		
23 05 29 00-0532	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.66		0.32
		<i>For Galvanized, Add</i>	0.25		
		<i>For Work In Restricted Working Space, Add</i>	0.20		
23 05 29 00-0533	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.95		0.32
		<i>For Galvanized, Add</i>	0.30		
		<i>For Work In Restricted Working Space, Add</i>	0.22		
23 05 29 00-0534	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.21		0.40
		<i>For Galvanized, Add</i>	0.34		
		<i>For Work In Restricted Working Space, Add</i>	0.25		
23 05 29 00-0535		Hex Nuts (23 05 29 00-0510)			
		Note: Grade 2 and zinc plated.			
23 05 29 00-0536	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.56		0.20
		<i>For Galvanized, Add</i>	0.03		
		<i>For Work In Restricted Working Space, Add</i>	0.14		
23 05 29 00-0537	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.77		0.20
		<i>For Galvanized, Add</i>	0.07		
		<i>For Work In Restricted Working Space, Add</i>	0.15		
23 05 29 00-0538	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.11		0.20
		<i>For Galvanized, Add</i>	0.15		
		<i>For Work In Restricted Working Space, Add</i>	0.16		
23 05 29 00-0539	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.34		0.40
		<i>For Galvanized, Add</i>	0.20		
		<i>For Work In Restricted Working Space, Add</i>	0.17		
23 05 29 00-0540	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.06		0.40
		<i>For Galvanized, Add</i>	0.37		
		<i>For Work In Restricted Working Space, Add</i>	0.18		
23 05 29 00-0541	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.66		0.40
		<i>For Galvanized, Add</i>	0.50		
		<i>For Work In Restricted Working Space, Add</i>	0.20		
23 05 29 00-0542	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.50		0.40
		<i>For Galvanized, Add</i>	0.94		
		<i>For Work In Restricted Working Space, Add</i>	0.22		
23 05 29 00-0543		Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0510)			
		Note: Type 13.			
23 05 29 00-0544	EA	3/8" Turnbuckle (Cooper B-Line B3202).....	27.44		4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40		
23 05 29 00-0545	EA	1/2" Turnbuckle (Cooper B-Line B3202).....	33.06		4.40
		<i>For Work In Restricted Working Space, Add</i>	2.67		
23 05 29 00-0546	EA	5/8" Turnbuckle (Cooper B-Line B3202).....	35.28		4.80
		<i>For Work In Restricted Working Space, Add</i>	3.00		
23 05 29 00-0547	EA	3/4" Turnbuckle (Cooper B-Line B3202).....	45.29		5.60
		<i>For Work In Restricted Working Space, Add</i>	3.43		
23 05 29 00-0548	EA	7/8" Turnbuckle (Cooper B-Line B3202).....	59.74		6.00
		<i>For Work In Restricted Working Space, Add</i>	4.00		
23 05 29 00-0549	EA	1" Turnbuckle (Cooper B-Line B3202).....	74.58		6.41
		<i>For Work In Restricted Working Space, Add</i>	4.80		
23 05 29 00-0550	EA	1-1/8" Turnbuckle (Cooper B-Line B3202).....	105.15		7.21
		<i>For Work In Restricted Working Space, Add</i>	6.00		
23 05 29 00-0551		Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0510)			
		Note: Type 15.			
23 05 29 00-0552	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	15.16		4.00
		<i>For Work In Restricted Working Space, Add</i>	2.40		
23 05 29 00-0553	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	17.82		4.48
		<i>For Work In Restricted Working Space, Add</i>	2.67		
23 05 29 00-0554	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	24.98		4.96
		<i>For Work In Restricted Working Space, Add</i>	3.00		
23 05 29 00-0555	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	30.71		5.68
		<i>For Work In Restricted Working Space, Add</i>	3.43		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 29 00-0556 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0510)

Note: Type 14.

23 05 29 00-0557	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	100.57	7.37
			<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0558	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	153.08	7.74
			<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0559	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	165.88	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0560	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	172.51	8.84
			<i>For Work In Restricted Working Space, Add</i>	5.20	
23 05 29 00-0561	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	180.51	9.96
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0562	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	306.08	12.90
			<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0563	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	331.09	14.75
			<i>For Work In Restricted Working Space, Add</i>	8.85	
23 05 29 00-0564	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	388.72	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.06	

23 05 29 00-0565 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0510)

23 05 29 00-0566	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	26.76	4.32
			<i>For Work In Restricted Working Space, Add</i>	2.60	
23 05 29 00-0567	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	27.70	4.40
			<i>For Work In Restricted Working Space, Add</i>	2.65	
23 05 29 00-0568	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	28.64	4.48
			<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0569	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	28.81	4.57
			<i>For Work In Restricted Working Space, Add</i>	2.75	
23 05 29 00-0570	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	30.69	4.72
			<i>For Work In Restricted Working Space, Add</i>	2.85	
23 05 29 00-0571	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	32.79	5.04
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0572	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	34.06	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0573	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	36.93	5.52
			<i>For Work In Restricted Working Space, Add</i>	3.30	
23 05 29 00-0574	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	38.99	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 05 29 00-0575	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	41.07	6.00
			<i>For Work In Restricted Working Space, Add</i>	3.60	
23 05 29 00-0576	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	37.09	4.80
			<i>For Work In Restricted Working Space, Add</i>	2.88	
23 05 29 00-0577	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	38.03	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.93	
23 05 29 00-0578	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	39.02	4.96
			<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0579	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	39.98	5.04
			<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0580	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	41.90	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0581	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	45.57	5.53
			<i>For Work In Restricted Working Space, Add</i>	3.31	
23 05 29 00-0582	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	48.47	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0583	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	52.14	6.00
			<i>For Work In Restricted Working Space, Add</i>	3.62	
23 05 29 00-0584	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	55.00	6.33
			<i>For Work In Restricted Working Space, Add</i>	3.78	
23 05 29 00-0585	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	57.92	6.57
			<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 29 00-0586	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	51.58	5.37
			<i>For Work In Restricted Working Space, Add</i>	3.22	
23 05 29 00-0587	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	53.31	5.45
			<i>For Work In Restricted Working Space, Add</i>	3.28	
23 05 29 00-0588	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	55.09	5.53
			<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-0589	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	56.07	5.68
			<i>For Work In Restricted Working Space, Add</i>	3.39	
23 05 29 00-0590	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	58.78	5.84
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-0591	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	63.27	6.08
			<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0592	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	67.73	6.41
			<i>For Work In Restricted Working Space, Add</i>	3.83	
23 05 29 00-0593	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	71.42	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.00	
23 05 29 00-0594	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	75.91	6.96
			<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0595	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	80.37	7.21
			<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0596	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	64.03	6.08
			<i>For Work In Restricted Working Space, Add</i>	3.66	
23 05 29 00-0597	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	66.58	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0598	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	68.33	6.33
		<i>For Work In Restricted Working Space, Add</i>	3.77	
23 05 29 00-0599	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	70.87	6.41
		<i>For Work In Restricted Working Space, Add</i>	3.83	
23 05 29 00-0600	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	75.18	6.57
		<i>For Work In Restricted Working Space, Add</i>	3.95	
23 05 29 00-0601	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	81.23	6.88
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0602	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	87.30	7.12
		<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0603	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	94.16	7.45
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0604	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	100.98	7.68
		<i>For Work In Restricted Working Space, Add</i>	4.63	
23 05 29 00-0605	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	107.06	8.00
		<i>For Work In Restricted Working Space, Add</i>	4.80	
23 05 29 00-0606	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	76.96	7.04
		<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0607	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	80.30	7.21
		<i>For Work In Restricted Working Space, Add</i>	4.31	
23 05 29 00-0608	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	82.86	7.29
		<i>For Work In Restricted Working Space, Add</i>	4.37	
23 05 29 00-0609	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	85.40	7.37
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0610	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	90.54	7.61
		<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0611	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	98.95	7.84
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 05 29 00-0612	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	106.61	8.17
		<i>For Work In Restricted Working Space, Add</i>	4.90	
23 05 29 00-0613	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	115.06	8.49
		<i>For Work In Restricted Working Space, Add</i>	5.08	
23 05 29 00-0614	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	122.71	8.72
		<i>For Work In Restricted Working Space, Add</i>	5.25	
23 05 29 00-0615	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	130.38	9.04
		<i>For Work In Restricted Working Space, Add</i>	5.43	
23 05 29 00-0616	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	96.98	8.49
		<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0617	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	100.34	8.57
		<i>For Work In Restricted Working Space, Add</i>	5.14	
23 05 29 00-0618	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	103.72	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0619	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	107.07	8.80
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0620	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	113.77	9.04
		<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0621	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	123.88	9.37
		<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0622	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	133.99	9.68
		<i>For Work In Restricted Working Space, Add</i>	5.81	
23 05 29 00-0623	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	144.81	10.00
		<i>For Work In Restricted Working Space, Add</i>	6.00	
23 05 29 00-0624	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	154.91	10.33
		<i>For Work In Restricted Working Space, Add</i>	6.20	
23 05 29 00-0625	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	165.02	10.65
		<i>For Work In Restricted Working Space, Add</i>	6.41	

23 05 29 00-0626 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0510)

23 05 29 00-0627	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	60.37	5.84
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0628	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	62.00	6.00
		<i>For Work In Restricted Working Space, Add</i>	3.62	
23 05 29 00-0629	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	63.61	6.24
		<i>For Work In Restricted Working Space, Add</i>	3.72	
23 05 29 00-0630	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	64.12	6.48
		<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0631	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	67.21	6.72
		<i>For Work In Restricted Working Space, Add</i>	4.02	
23 05 29 00-0632	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	70.87	7.20
		<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0633	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	73.15	7.68
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0634	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	78.10	8.24
		<i>For Work In Restricted Working Space, Add</i>	4.92	
23 05 29 00-0635	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	79.55	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0636	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	81.20	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.00	
23 05 29 00-0637	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	82.91	6.80
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0638	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	84.74	7.12
		<i>For Work In Restricted Working Space, Add</i>	4.27	
23 05 29 00-0639	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	87.86	7.37
		<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0640	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	94.17	7.92
		<i>For Work In Restricted Working Space, Add</i>	4.74	
23 05 29 00-0641	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	99.18	8.41
		<i>For Work In Restricted Working Space, Add</i>	5.06	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0642	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	105.48 5.38	8.96
23 05 29 00-0643	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	108.49 4.34	7.21
23 05 29 00-0644	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	111.44 4.46	7.45
23 05 29 00-0645	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	114.46 4.57	7.61
23 05 29 00-0646	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	116.32 4.73	7.92
23 05 29 00-0647	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	120.80 4.90	8.17
23 05 29 00-0648	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	128.44 5.23	8.72
23 05 29 00-0649	EA		5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	136.08 5.56	9.29
23 05 29 00-0650	EA		5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	142.42 5.89	9.84
23 05 29 00-0651	EA		3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	138.50 4.92	8.17
23 05 29 00-0652	EA		3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	142.86 5.03	8.41
23 05 29 00-0653	EA		3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	145.83 5.15	8.57
23 05 29 00-0654	EA		3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	150.32 5.32	8.88
23 05 29 00-0655	EA		3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	157.43 5.49	9.13
23 05 29 00-0656	EA		3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	167.69 5.83	9.68
23 05 29 00-0657	EA		3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	178.00 6.17	10.25
23 05 29 00-0658	EA		3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	189.62 6.51	10.88
23 05 29 00-0659	EA		7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	166.89 5.69	9.45
23 05 29 00-0660	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	172.52 5.81	9.68
23 05 29 00-0661	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	176.85 5.93	9.84
23 05 29 00-0662	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	181.36 6.10	10.17
23 05 29 00-0663	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	189.83 6.28	10.49
23 05 29 00-0664	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	204.09 6.64	11.05
23 05 29 00-0665	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	217.03 6.99	11.69
23 05 29 00-0666	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	231.30 7.35	12.25
23 05 29 00-0667	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	213.67 6.78	11.29
23 05 29 00-0668	EA		1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	219.36 6.91	11.53
23 05 29 00-0669	EA		1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	225.04 7.04	11.76
23 05 29 00-0670	EA		1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	230.95 7.25	12.09
23 05 29 00-0671	EA		1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	242.04 7.45	12.41
23 05 29 00-0672	EA		1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	259.10 7.85	13.05
23 05 29 00-0673	EA		1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	276.17 8.25	13.76
23 05 29 00-0674	EA		1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	294.43 8.65	14.41
23 05 29 00-0675			Attachments <small>(23 05 29 00-0509)</small>		
23 05 29 00-0676			Welded Beam Attachments (B-Line B-3083) <small>(23 05 29 00-0675)</small> Note: Type 22.		
23 05 29 00-0677	EA		3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	37.87 4.50	7.49
23 05 29 00-0678	EA		1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	40.46 4.74	7.88
23 05 29 00-0679	EA		5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	43.11 5.00	8.33
23 05 29 00-0680	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	55.94 5.30	8.86
23 05 29 00-0681	EA		7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	67.76 5.63	9.38
23 05 29 00-0682	EA		1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	96.25 6.43	10.73
23 05 29 00-0683	EA		1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	138.33 6.75	11.25

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0684		C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0675)	
Note: Type 23. Top or bottom flange mount.			
23 05 29 00-0685	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	12.80
		<i>For Work In Restricted Working Space, Add</i>	3.00
23 05 29 00-0686	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	15.51
		<i>For Work In Restricted Working Space, Add</i>	3.20
23 05 29 00-0687	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	17.74
		<i>For Work In Restricted Working Space, Add</i>	3.43
23 05 29 00-0688	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	23.24
		<i>For Work In Restricted Working Space, Add</i>	3.70
23 05 29 00-0689	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	34.56
		<i>For Work In Restricted Working Space, Add</i>	4.00
23 05 29 00-0690		Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0675)	
Note: Type 21. For attaching threaded rod centered under beam flanges.			
23 05 29 00-0691	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	37.88
		<i>For Work In Restricted Working Space, Add</i>	4.00
23 05 29 00-0692	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	56.63
		<i>For Work In Restricted Working Space, Add</i>	4.37
23 05 29 00-0693	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	81.80
		<i>For Work In Restricted Working Space, Add</i>	4.80
23 05 29 00-0694	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	98.16
		<i>For Work In Restricted Working Space, Add</i>	5.34
23 05 29 00-0695	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	241.92
		<i>For Work In Restricted Working Space, Add</i>	6.00
23 05 29 00-0696		Steel U-Bolts (B-Line B-3188) (23 05 29 00-0675)	
Note: Type 24. Includes plate and nuts.			
23 05 29 00-0697	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	10.46
		<i>For Work In Restricted Working Space, Add</i>	2.40
23 05 29 00-0698	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	11.40
		<i>For Work In Restricted Working Space, Add</i>	2.53
23 05 29 00-0699	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	12.30
		<i>For Work In Restricted Working Space, Add</i>	2.67
23 05 29 00-0700	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.11
		<i>For Work In Restricted Working Space, Add</i>	2.82
23 05 29 00-0701	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.52
		<i>For Work In Restricted Working Space, Add</i>	3.00
23 05 29 00-0702	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	15.55
		<i>For Work In Restricted Working Space, Add</i>	3.20
23 05 29 00-0703	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	23.12
		<i>For Work In Restricted Working Space, Add</i>	3.43
23 05 29 00-0704	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	25.55
		<i>For Work In Restricted Working Space, Add</i>	3.69
23 05 29 00-0705	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	31.14
		<i>For Work In Restricted Working Space, Add</i>	4.00
23 05 29 00-0706		Copper Standoff Brackets With Flange (23 05 29 00-0675)	
Note: Installed in wood, concrete, concrete block or steel.			
23 05 29 00-0707	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	25.10
		<i>For Work In Restricted Working Space, Add</i>	6.86
23 05 29 00-0708	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	25.23
		<i>For Work In Restricted Working Space, Add</i>	6.86
23 05 29 00-0709	EA	Clamp Size 1", Copper Standoff Brackets With Flange	25.37
		<i>For Work In Restricted Working Space, Add</i>	6.86
23 05 29 00-0710	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	27.02
		<i>For Work In Restricted Working Space, Add</i>	7.28
23 05 29 00-0711	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	27.29
		<i>For Work In Restricted Working Space, Add</i>	7.28
23 05 29 00-0712		Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0675)	
Note: Type 16.			
23 05 29 00-0713	EA	3/8" Rod Size, Malleable Iron Eye Socket	8.62
		<i>For Work In Restricted Working Space, Add</i>	0.73
23 05 29 00-0714	EA	1/2" Rod Size, Malleable Iron Eye Socket	10.97
		<i>For Work In Restricted Working Space, Add</i>	0.96
23 05 29 00-0715	EA	5/8" Rod Size, Malleable Iron Eye Socket	19.17
		<i>For Work In Restricted Working Space, Add</i>	0.97
23 05 29 00-0716	EA	3/4" Rod Size, Malleable Iron Eye Socket	27.23
		<i>For Work In Restricted Working Space, Add</i>	0.96
23 05 29 00-0717	EA	7/8" Rod Size, Malleable Iron Eye Socket	29.32
		<i>For Work In Restricted Working Space, Add</i>	1.20
23 05 29 00-0718		Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0675)	
Note: Type 17.			
23 05 29 00-0719	EA	3/8" Rod Size, Steel Weldless Eye Nut	28.87
		<i>For Work In Restricted Working Space, Add</i>	0.73
23 05 29 00-0720	EA	1/2" Rod Size, Steel Weldless Eye Nut	29.64
		<i>For Work In Restricted Working Space, Add</i>	0.96
23 05 29 00-0721	EA	5/8" Rod Size, Steel Weldless Eye Nut	29.67
		<i>For Work In Restricted Working Space, Add</i>	0.97
23 05 29 00-0722	EA	3/4" Rod Size, Steel Weldless Eye Nut	29.64
		<i>For Work In Restricted Working Space, Add</i>	0.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0723	EA		7/8" Rod Size, Steel Weldless Eye Nut.....	58.16	1.76
			<i>For Work In Restricted Working Space, Add</i>	1.08	
23 05 29 00-0724	EA		1" Rod Size, Steel Weldless Eye Nut.....	58.56	2.00
			<i>For Work In Restricted Working Space, Add</i>	1.20	
23 05 29 00-0725			Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0675)		
			Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0726	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	18.72	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0727	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	22.64	4.12
			<i>For Work In Restricted Working Space, Add</i>	2.48	
23 05 29 00-0728	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	27.56	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.73	
23 05 29 00-0729	EA		3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	38.32	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0730	EA		7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	59.30	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0731	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	19.76	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0732	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	24.11	4.12
			<i>For Work In Restricted Working Space, Add</i>	2.48	
23 05 29 00-0733	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	27.56	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.73	
23 05 29 00-0734	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	42.19	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0735	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	65.92	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0736	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	22.18	3.75
			<i>For Work In Restricted Working Space, Add</i>	2.25	
23 05 29 00-0737	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	26.83	4.12
			<i>For Work In Restricted Working Space, Add</i>	2.48	
23 05 29 00-0738	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	33.95	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.73	
23 05 29 00-0739	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	49.44	4.88
			<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-0740	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	80.08	5.63
			<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0741			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0675)		
			Note: Type 34.		
23 05 29 00-0742	EA		3/8" Rod Size, Side Beam Bracket	14.52	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.00	
23 05 29 00-0743	EA		1/2" Rod Size, Side Beam Bracket	17.38	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.20	
23 05 29 00-0744	EA		5/8" Rod Size, Side Beam Bracket	22.88	5.60
			<i>For Work In Restricted Working Space, Add</i>	3.43	
23 05 29 00-0745	EA		3/4" Rod Size, Side Beam Bracket	41.91	6.00
			<i>For Work In Restricted Working Space, Add</i>	3.70	
23 05 29 00-0746	EA		7/8" Rod Size, Side Beam Bracket	49.23	6.80
			<i>For Work In Restricted Working Space, Add</i>	4.00	
23 05 29 00-0747			Hex Lag Bolts (23 05 29 00-0675)		
			Note: Also known as coach screws.		
23 05 29 00-0748	EA		3/8" x 3-1/2" Long, Hex Lag Bolt	2.35	
			<i>For Work In Restricted Working Space, Add</i>	0.50	
23 05 29 00-0749	EA		3/8" x 4" Long, Hex Lag Bolt	2.47	
			<i>For Work In Restricted Working Space, Add</i>	0.52	
23 05 29 00-0750	EA		3/8" x 6" Long, Hex Lag Bolt	2.86	
			<i>For Work In Restricted Working Space, Add</i>	0.54	
23 05 29 00-0751	EA		3/8" x 8" Long, Hex Lag Bolt	3.59	
			<i>For Work In Restricted Working Space, Add</i>	0.56	
23 05 29 00-0752	EA		3/8" x 10" Long, Hex Lag Bolt	3.85	
			<i>For Work In Restricted Working Space, Add</i>	0.58	
23 05 29 00-0753	EA		3/8" x 12" Long, Hex Lag Bolt	4.75	
			<i>For Work In Restricted Working Space, Add</i>	0.60	
23 05 29 00-0754	EA		1/2" x 3-1/2" Long, Hex Lag Bolt	3.32	
			<i>For Work In Restricted Working Space, Add</i>	0.60	
23 05 29 00-0755	EA		1/2" x 4" Long, Hex Lag Bolt	3.51	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
23 05 29 00-0756	EA		1/2" x 6" Long, Hex Lag Bolt	4.21	
			<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0757	EA		1/2" x 8" Long, Hex Lag Bolt	5.01	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
23 05 29 00-0758	EA		1/2" x 10" Long, Hex Lag Bolt	6.07	
			<i>For Work In Restricted Working Space, Add</i>	0.71	
23 05 29 00-0759	EA		1/2" x 12" Long, Hex Lag Bolt	6.54	
			<i>For Work In Restricted Working Space, Add</i>	0.75	
23 05 29 00-0760	EA		5/8" x 4" Long, Hex Lag Bolt	4.78	
			<i>For Work In Restricted Working Space, Add</i>	0.67	
23 05 29 00-0761	EA		3/4" x 5" Long, Hex Lag Bolt	5.72	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
23 05 29 00-0762			Hanger Strap (23 05 29 00-0509)		
23 05 29 00-0763	LF		3/4" Wide x 0.025" Thick Galvanized Hanger Strap	3.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0764	Shields And Saddles <small>(23 05 29)</small>		
23 05 29 00-0765	Insulation Protection Shield <small>(23 05 29 00-0764)</small> Note: Type 40.		
23 05 29 00-0766	Insulation Protection Shield (Cooper B-Line B3151) <small>(23 05 29 00-0765)</small>		
23 05 29 00-0767	EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	14.48	1.92
	<i>For Work In Restricted Working Space, Add</i>	1.92	
23 05 29 00-0768	EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	14.71	1.94
	<i>For Work In Restricted Working Space, Add</i>	1.95	
23 05 29 00-0769	EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	15.13	1.97
	<i>For Work In Restricted Working Space, Add</i>	1.97	
23 05 29 00-0770	EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	15.97	1.99
	<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0771	EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	18.03	2.04
	<i>For Work In Restricted Working Space, Add</i>	2.04	
23 05 29 00-0772	EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	22.90	2.09
	<i>For Work In Restricted Working Space, Add</i>	2.09	
23 05 29 00-0773	EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	27.28	2.14
	<i>For Work In Restricted Working Space, Add</i>	2.14	
23 05 29 00-0774	EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	34.31	2.18
	<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0775	EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	45.37	2.21
	<i>For Work In Restricted Working Space, Add</i>	2.21	
23 05 29 00-0776	EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	49.80	2.23
	<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0777	EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	70.36	2.25
	<i>For Work In Restricted Working Space, Add</i>	2.26	
23 05 29 00-0778	EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	79.61	2.28
	<i>For Work In Restricted Working Space, Add</i>	2.28	
23 05 29 00-0779	EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	151.94	2.30
	<i>For Work In Restricted Working Space, Add</i>	2.30	
23 05 29 00-0780	EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	165.50	2.35
	<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0781	EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	201.01	2.41
	<i>For Work In Restricted Working Space, Add</i>	2.40	
23 05 29 00-0782	Insulation Protection Shield (Cooper B-Line B3154) <small>(23 05 29 00-0785)</small>		
23 05 29 00-0783	EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	12.27	1.92
	<i>For Work In Restricted Working Space, Add</i>	1.92	
23 05 29 00-0784	EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	12.45	1.94
	<i>For Work In Restricted Working Space, Add</i>	1.95	
23 05 29 00-0785	EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	12.77	1.97
	<i>For Work In Restricted Working Space, Add</i>	1.97	
23 05 29 00-0786	EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	13.41	1.99
	<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0787	EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.95	2.04
	<i>For Work In Restricted Working Space, Add</i>	2.04	
23 05 29 00-0788	EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	18.52	2.09
	<i>For Work In Restricted Working Space, Add</i>	2.09	
23 05 29 00-0789	EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	20.14	2.14
	<i>For Work In Restricted Working Space, Add</i>	2.14	
23 05 29 00-0790	EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	26.88	2.18
	<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0791	EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	33.17	2.21
	<i>For Work In Restricted Working Space, Add</i>	2.21	
23 05 29 00-0792	Pipe Covering Protection Saddle <small>(23 05 29 00-0764)</small>		
23 05 29 00-0793	Saddle, For 1" Insulation (Cooper B-Line B3160) <small>(23 05 29 00-0792)</small>		
23 05 29 00-0794	EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	22.97	2.65
	<i>For Work In Restricted Working Space, Add</i>	2.66	
23 05 29 00-0795	EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	23.04	2.67
	<i>For Work In Restricted Working Space, Add</i>	2.68	
23 05 29 00-0796	EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	23.11	2.71
	<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0797	EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.45	2.75
	<i>For Work In Restricted Working Space, Add</i>	2.75	
23 05 29 00-0798	EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.53	2.77
	<i>For Work In Restricted Working Space, Add</i>	2.77	
23 05 29 00-0799	EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	25.45	2.82
	<i>For Work In Restricted Working Space, Add</i>	2.81	
23 05 29 00-0800	EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	28.92	2.86
	<i>For Work In Restricted Working Space, Add</i>	2.86	
23 05 29 00-0801	EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	33.19	2.90
	<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-0802	EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	37.95	2.99
	<i>For Work In Restricted Working Space, Add</i>	2.99	
23 05 29 00-0803	EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	47.46	3.11
	<i>For Work In Restricted Working Space, Add</i>	3.11	
23 05 29 00-0804	EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	53.78	3.15
	<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0805	EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	64.96	3.15
	<i>For Work In Restricted Working Space, Add</i>	3.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0806	EA		14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) <i>For Work In Restricted Working Space, Add</i>	71.51 3.26	3.26
23 05 29 00-0807			Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <small>(23 05 29 00-0792)</small>		
23 05 29 00-0808	EA		3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	26.72 2.66	2.65
23 05 29 00-0809	EA		1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	26.79 2.68	2.67
23 05 29 00-0810	EA		1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	26.86 2.70	2.71
23 05 29 00-0811	EA		1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	27.96 2.75	2.75
23 05 29 00-0812	EA		2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	30.64 2.77	2.77
23 05 29 00-0813	EA		2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	33.40 2.81	2.82
23 05 29 00-0814	EA		3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	33.96 2.86	2.86
23 05 29 00-0815	EA		4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	39.39 2.90	2.86
23 05 29 00-0816	EA		6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	44.97 2.99	2.99
23 05 29 00-0817	EA		8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	54.34 3.11	3.11
23 05 29 00-0818	EA		10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	61.92 3.15	3.15
23 05 29 00-0819	EA		12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	75.00 3.22	3.22
23 05 29 00-0820	EA		14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) <i>For Work In Restricted Working Space, Add</i>	82.78 3.26	3.26
23 05 29 00-0821			Saddle, For 2" Insulation (Cooper B-Line B3162) <small>(23 05 29 00-0792)</small>		
23 05 29 00-0822	EA		3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	28.71 2.79	2.79
23 05 29 00-0823	EA		1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	28.79 2.81	2.82
23 05 29 00-0824	EA		1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	30.62 2.84	2.84
23 05 29 00-0825	EA		1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	31.66 2.88	2.88
23 05 29 00-0826	EA		2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	32.61 2.90	2.90
23 05 29 00-0827	EA		2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	32.76 2.95	2.95
23 05 29 00-0828	EA		3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	34.92 2.99	3.00
23 05 29 00-0829	EA		4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	37.09 3.04	3.04
23 05 29 00-0830	EA		6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	49.08 3.15	3.15
23 05 29 00-0831	EA		8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	56.42 3.26	3.26
23 05 29 00-0832	EA		10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	59.53 3.31	3.31
23 05 29 00-0833	EA		12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	83.04 3.38	3.37
23 05 29 00-0834	EA		14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	92.76 3.42	3.43
23 05 29 00-0835	EA		16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	102.63 3.51	3.51
23 05 29 00-0836	EA		18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	112.48 3.60	3.60
23 05 29 00-0837	EA		20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	124.00 3.69	3.69
23 05 29 00-0838	EA		24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) <i>For Work In Restricted Working Space, Add</i>	143.13 3.78	3.78
23 05 29 00-0839			Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <small>(23 05 29 00-0792)</small>		
23 05 29 00-0840	EA		1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	32.73 2.90	2.90
23 05 29 00-0841	EA		1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	34.85 2.95	2.95
23 05 29 00-0842	EA		2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	35.92 2.97	2.98
23 05 29 00-0843	EA		2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.04 3.02	3.02
23 05 29 00-0844	EA		3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.27 3.08	3.08
23 05 29 00-0845	EA		4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	44.49 3.13	3.12
23 05 29 00-0846	EA		6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	51.87 3.22	3.22
23 05 29 00-0847	EA		8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	61.49 3.33	3.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 29 00-0848	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	66.33	3.39
		<i>For Work In Restricted Working Space, Add</i>	3.40	
23 05 29 00-0849	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	85.18	3.46
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0850	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	102.71	3.51
		<i>For Work In Restricted Working Space, Add</i>	3.51	
23 05 29 00-0851	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	120.37	3.59
		<i>For Work In Restricted Working Space, Add</i>	3.60	
23 05 29 00-0852	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	128.22	3.68
		<i>For Work In Restricted Working Space, Add</i>	3.69	
23 05 29 00-0853	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	136.98	3.78
		<i>For Work In Restricted Working Space, Add</i>	3.78	
23 05 29 00-0854	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	145.75	3.87
		<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0855		Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0792)		
23 05 29 00-0856	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	37.24	3.04
		<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0857	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	41.20	3.10
		<i>For Work In Restricted Working Space, Add</i>	3.11	
23 05 29 00-0858	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	43.21	3.15
		<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-0859	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	45.23	3.20
		<i>For Work In Restricted Working Space, Add</i>	3.20	
23 05 29 00-0860	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	52.98	3.29
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 05 29 00-0861	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	68.37	3.41
		<i>For Work In Restricted Working Space, Add</i>	3.42	
23 05 29 00-0862	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	74.74	3.47
		<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-0863	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	99.96	3.54
		<i>For Work In Restricted Working Space, Add</i>	3.53	
23 05 29 00-0864	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	121.05	3.59
		<i>For Work In Restricted Working Space, Add</i>	3.60	
23 05 29 00-0865	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	142.15	3.67
		<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0866	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	144.76	3.77
		<i>For Work In Restricted Working Space, Add</i>	3.78	
23 05 29 00-0867	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	147.32	3.87
		<i>For Work In Restricted Working Space, Add</i>	3.87	
23 05 29 00-0868	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	189.63	3.96
		<i>For Work In Restricted Working Space, Add</i>	3.96	
23 05 29 00-0869		Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0792)		
23 05 29 00-0870	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	42.89	3.12
		<i>For Work In Restricted Working Space, Add</i>	3.11	
23 05 29 00-0871	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	47.57	3.17
		<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-0872	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	49.97	3.22
		<i>For Work In Restricted Working Space, Add</i>	3.22	
23 05 29 00-0873	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	52.48	3.26
		<i>For Work In Restricted Working Space, Add</i>	3.26	
23 05 29 00-0874	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	65.74	3.37
		<i>For Work In Restricted Working Space, Add</i>	3.38	
23 05 29 00-0875	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	79.01	3.50
		<i>For Work In Restricted Working Space, Add</i>	3.49	
23 05 29 00-0876	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	81.81	3.55
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 05 29 00-0877	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	107.19	3.62
		<i>For Work In Restricted Working Space, Add</i>	3.62	
23 05 29 00-0878	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	132.19	3.67
		<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0879	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	157.33	3.76
		<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-0880	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	194.54	3.86
		<i>For Work In Restricted Working Space, Add</i>	3.85	
23 05 29 00-0881	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	231.51	3.95
		<i>For Work In Restricted Working Space, Add</i>	3.96	
23 05 29 00-0882	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	248.19	4.05
		<i>For Work In Restricted Working Space, Add</i>	4.05	
23 05 29 00-0883	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	261.48	4.16
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 05 29 00-0884	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	271.29	4.26
		<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0885		Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0764)		
23 05 29 00-0886	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	99.29	10.00
23 05 29 00-0887	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	104.00	11.61
23 05 29 00-0888	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	127.21	13.21
23 05 29 00-0889	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	131.92	14.41
23 05 29 00-0890	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	146.35	16.01
23 05 29 00-0891	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	163.72	20.01
23 05 29 00-0892	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	213.34	26.82
23 05 29 00-0893	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	253.27	40.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

23 05 29 00-0894 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0764)					
23 05 29 00-0895	EA		2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	126.38	10.00
23 05 29 00-0896	EA		3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	129.24	11.61
23 05 29 00-0897	EA		3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	138.26	12.41
23 05 29 00-0898	EA		4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	140.12	13.21
23 05 29 00-0899	EA		5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	146.76	14.41
23 05 29 00-0900	EA		6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	154.52	16.01
23 05 29 00-0901	EA		8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	196.68	20.01
23 05 29 00-0902	EA		10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	265.79	26.82
23 05 29 00-0903	EA		12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	340.11	40.03

23 05 29 00-0904 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0764)					
23 05 29 00-0905	EA		2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	57.71	10.00
23 05 29 00-0906	EA		3" Pipe Saddle Support (Cooper B-Line B3095).....	60.57	11.61
23 05 29 00-0907	EA		3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	98.44	12.41
23 05 29 00-0908	EA		4" Pipe Saddle Support (Cooper B-Line B3095).....	100.30	13.21
23 05 29 00-0909	EA		5" Pipe Saddle Support (Cooper B-Line B3095).....	110.66	14.41
23 05 29 00-0910	EA		6" Pipe Saddle Support (Cooper B-Line B3095).....	122.62	16.01
23 05 29 00-0911	EA		8" Pipe Saddle Support (Cooper B-Line B3095).....	138.22	20.01
23 05 29 00-0912	EA		10" Pipe Saddle Support (Cooper B-Line B3095).....	156.33	26.82
23 05 29 00-0913	EA		12" Pipe Saddle Support (Cooper B-Line B3095).....	188.18	40.03

23 05 29 00-0914 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0764)					
Note: Insert is for use as isolated protective insulation at hangers.					

23 05 29 00-0915 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0914)					
23 05 29 00-0916	EA		1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.39	4.83
23 05 29 00-0917	EA		3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.66	4.83
23 05 29 00-0918	EA		1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.73	4.83
23 05 29 00-0919	EA		1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.00	4.83
23 05 29 00-0920	EA		1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.83	5.12
23 05 29 00-0921	EA		2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.43	5.28
23 05 29 00-0922	EA		2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.15	5.50
23 05 29 00-0923	EA		3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.93	5.72
23 05 29 00-0924	EA		4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.41	5.94
23 05 29 00-0925	EA		6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.26	5.12
23 05 29 00-0926	EA		8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.93	6.69
23 05 29 00-0927	EA		10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.24	7.87
23 05 29 00-0928	EA		12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.92	9.14
23 05 29 00-0929	EA		14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.37	9.44

23 05 29 00-0930 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0914)					
23 05 29 00-0931	EA		1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	10.10	3.64
23 05 29 00-0932	EA		3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.44	3.64
23 05 29 00-0933	EA		1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	11.71	3.72
23 05 29 00-0934	EA		1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.16	3.79
23 05 29 00-0935	EA		1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	12.57	3.79
23 05 29 00-0936	EA		2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	13.29	3.94
23 05 29 00-0937	EA		2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.11	4.08
23 05 29 00-0938	EA		3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.51	4.16
23 05 29 00-0939	EA		4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.05	4.54
23 05 29 00-0940	EA		6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.13	7.80
23 05 29 00-0941	EA		8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.81	5.87
23 05 29 00-0942	EA		10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.53	6.91
23 05 29 00-0943	EA		12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.05	7.95
23 05 29 00-0944	EA		14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.37	9.59

23 05 29 00-0945 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0914)					
23 05 29 00-0946	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.66	4.16
23 05 29 00-0947	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	14.88	4.16
23 05 29 00-0948	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.44	4.24
23 05 29 00-0949	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	15.94	4.31
23 05 29 00-0950	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.45	4.39
23 05 29 00-0951	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.10	4.54
23 05 29 00-0952	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.06	4.68
23 05 29 00-0953	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.97	4.83
23 05 29 00-0954	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.03	5.12
23 05 29 00-0955	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.09	5.80
23 05 29 00-0956	EA		8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.81	9.89
23 05 29 00-0957	EA		10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.85	11.44
23 05 29 00-0958	EA		12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.77	13.52
23 05 29 00-0959	EA		14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.30	15.16
23 05 29 00-0960	EA		16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.20	17.09
23 05 29 00-0961	EA		18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.21	20.06
23 05 29 00-0962	EA		20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.40	22.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0963	EA		24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.74	25.27
23 05 29 00-0964			2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0965	EA		1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.77	4.83
23 05 29 00-0966	EA		3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.01	4.83
23 05 29 00-0967	EA		1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	17.69	4.90
23 05 29 00-0968	EA		1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.22	4.98
23 05 29 00-0969	EA		1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.75	4.98
23 05 29 00-0970	EA		2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.53	5.21
23 05 29 00-0971	EA		2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.63	5.35
23 05 29 00-0972	EA		3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.65	5.57
23 05 29 00-0973	EA		4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.98	5.87
23 05 29 00-0974	EA		6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.50	6.69
23 05 29 00-0975	EA		8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.91	7.43
23 05 29 00-0976	EA		10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.12	8.55
23 05 29 00-0977	EA		12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.03	10.62
23 05 29 00-0978	EA		14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.63	11.66
23 05 29 00-0979	EA		16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.50	14.87
23 05 29 00-0980	EA		18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.55	15.61
23 05 29 00-0981	EA		20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.20	17.84
23 05 29 00-0982	EA		24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.43	21.55
23 05 29 00-0983			3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0984	EA		1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.23	4.98
23 05 29 00-0985	EA		3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.56	5.21
23 05 29 00-0986	EA		1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.16	5.21
23 05 29 00-0987	EA		1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.18	5.35
23 05 29 00-0988	EA		1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.37	5.50
23 05 29 00-0989	EA		2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.71	5.57
23 05 29 00-0990	EA		2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	47.09	5.72
23 05 29 00-0991	EA		3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.17	6.09
23 05 29 00-0992	EA		4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.25	6.32
23 05 29 00-0993	EA		6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.07	7.73
23 05 29 00-0994	EA		8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	80.56	8.47
23 05 29 00-0995	EA		10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.88	8.92
23 05 29 00-0996	EA		12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.92	11.52
23 05 29 00-0997	EA		14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	123.82	12.26
23 05 29 00-0998	EA		16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	148.02	16.35
23 05 29 00-0999	EA		18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	159.35	17.84
23 05 29 00-1000	EA		20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	180.49	19.33
23 05 29 00-1001	EA		24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	212.03	23.78
23 05 29 00-1002			3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-1003	EA		1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.77	4.83
23 05 29 00-1004	EA		3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.24	5.87
23 05 29 00-1005	EA		1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.26	5.87
23 05 29 00-1006	EA		1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.86	5.94
23 05 29 00-1007	EA		1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.56	6.02
23 05 29 00-1008	EA		2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.39	6.25
23 05 29 00-1009	EA		2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.74	6.47
23 05 29 00-1010	EA		3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.87	6.69
23 05 29 00-1011	EA		4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.79	7.07
23 05 29 00-1012	EA		6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.99	8.03
23 05 29 00-1013	EA		8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.26	8.92
23 05 29 00-1014	EA		10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.94	10.26
23 05 29 00-1015	EA		12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.02	12.79
23 05 29 00-1016	EA		14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.96	13.97
23 05 29 00-1017	EA		16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	79.80	17.84
23 05 29 00-1018	EA		18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.87	18.73
23 05 29 00-1019	EA		20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.48	21.41
23 05 29 00-1020	EA		24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	114.53	25.87
23 05 29 00-1021			4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-1022	EA		1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.60	6.54
23 05 29 00-1023	EA		3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.94	6.54
23 05 29 00-1024	EA		1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.87	6.61
23 05 29 00-1025	EA		1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.63	6.69
23 05 29 00-1026	EA		1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.24	6.69
23 05 29 00-1027	EA		2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.61	7.14
23 05 29 00-1028	EA		2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.82	7.21
23 05 29 00-1029	EA		3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.23	7.51
23 05 29 00-1030	EA		4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.38	7.95
23 05 29 00-1031	EA		6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.11	9.00
23 05 29 00-1032	EA		8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.24	9.73
23 05 29 00-1033	EA		10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.56	11.59
23 05 29 00-1034	EA		12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.56	14.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1035	EA		14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.48	15.68
23 05 29 00-1036	EA		16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	89.82	20.06
23 05 29 00-1037	EA		18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	96.56	21.03
23 05 29 00-1038	EA		20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	108.23	24.08
23 05 29 00-1039	EA		24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	128.86	29.13
23 05 29 00-1040	EA		26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	146.29	34.27
23 05 29 00-1041	EA		28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	165.60	40.43
23 05 29 00-1042	EA		30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	186.15	47.79
23 05 29 00-1043	EA		42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	262.93	73.81
23 05 29 00-1044	EA		44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	282.16	81.24
23 05 29 00-1045	EA		46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	299.92	87.70
23 05 29 00-1046 Equipment Housekeeping Pads (23 05 29)					
23 05 29 00-1047 Molded Plastic Condenser Pad (23 05 29 00-1046)					
23 05 29 00-1048	EA		30" Round Molded Plastic Pad	71.95	10.00
23 05 29 00-1049	EA		30" Octagon Molded Plastic Pad	75.37	10.00
23 05 29 00-1050	EA		30" x 30" Molded Plastic Pad.....	71.95	10.00
23 05 29 00-1051	EA		36" x 36" Molded Plastic Pad.....	92.43	10.00
23 05 29 00-1052	EA		36" x 48" Molded Plastic Pad.....	130.74	10.00
23 05 29 00-1053 Inertia Base (23 05 29 00-1046)					
Note: Includes spring isolators.					
23 05 29 00-1054	EA		Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,097.86	
23 05 29 00-1055	EA		>12 To 16 SF Inertia Base, 8" Thick With Spring Base	1,325.35	
23 05 29 00-1056	EA		>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,518.01	
23 05 29 00-1057	EA		>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,733.90	
23 05 29 00-1058 Hanger Assemblies (23 05 29)					
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.					
23 05 29 00-1059	EA		1/2" Standard Duty Clevis Pipe Hanger Assembly	38.43	12.45
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	8.01
23 05 29 00-1060	EA		3/4" Standard Duty Clevis Pipe Hanger Assembly	39.90	13.19
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	8.45
23 05 29 00-1061	EA		1" Standard Duty Clevis Pipe Hanger Assembly	41.26	14.03
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	8.84
23 05 29 00-1062	EA		1-1/4" Standard Duty Clevis Pipe Hanger Assembly	42.05	14.05
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	8.97
23 05 29 00-1063	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly	42.36	14.05
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	8.97
23 05 29 00-1064	EA		2" Standard Duty Clevis Pipe Hanger Assembly	43.41	14.16
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	9.10
23 05 29 00-1065	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly	52.97	15.39
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	9.41
23 05 29 00-1066	EA		3" Standard Duty Clevis Pipe Hanger Assembly	55.01	15.84
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	9.55
23 05 29 00-1067	EA		4" Standard Duty Clevis Pipe Hanger Assembly	67.83	17.88
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	10.55
23 05 29 00-1068	EA		6" Standard Duty Clevis Pipe Hanger Assembly	103.08	23.10
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	13.86
23 05 29 00-1069	EA		8" Standard Duty Clevis Pipe Hanger Assembly	120.69	26.80
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	16.08
23 05 29 00-1070	EA		10" Standard Duty Clevis Pipe Hanger Assembly	169.15	34.04
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	20.17
23 05 29 00-1071	EA		12" Standard Duty Clevis Pipe Hanger Assembly	187.25	36.63
				Note: Includes hanger, rod, nuts, washers and clamp.	
				For Work In Restricted Working Space, Add	22.02
23 05 29 00-1072 Steel Shapes For Hanger Devices (23 05 29)					
23 05 29 00-1073 Angle Iron For Hanger Devices (23 05 29 00-1072)					
23 05 29 00-1074	LF		1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.09	1.16
23 05 29 00-1075	LF		3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	2.79	1.46
23 05 29 00-1076	LF		1" x 1" x 1/8" Angle Iron For Hanger Devices	3.47	1.74
23 05 29 00-1077	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices.....	5.01	2.16
23 05 29 00-1078	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices.....	5.68	2.33
23 05 29 00-1079	LF		2" x 2" x 1/4" Angle Iron For Hanger Devices	8.06	2.61
23 05 29 00-1080	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices.....	10.11	3.18
23 05 29 00-1081	LF		3" x 2" x 3/8" Angle Iron For Hanger Devices	13.42	3.73
23 05 29 00-1082	LF		3" x 3" x 3/8" Angle Iron For Hanger Devices	16.12	4.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1083			Channels For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1084	LF		C2 x 1.78, 2" Wide Channels For Hanger Devices	6.60	3.07
23 05 29 00-1085	LF		C3 x 4.1, 3" Wide Channels For Hanger Devices	11.75	4.40
23 05 29 00-1086	LF		C4 x 5.4, 4" Wide Channels For Hanger Devices	14.80	5.29
23 05 29 00-1087	LF		C5 x 6.7 - 5" Wide Channels For Hanger Devices	17.83	6.16
23 05 29 00-1088	LF		C6 x 8.2 - 6" Wide Channels For Hanger Devices	21.62	7.40
23 05 29 00-1089	LF		C7 x 9.8 - 7" Wide Channels For Hanger Devices	25.81	8.81
23 05 29 00-1090	LF		C8 x 11.5 - 8" Wide Channels For Hanger Devices	29.42	9.70
23 05 29 00-1091			Structural Bar Tees For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1092	LF		3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	6.79	4.30
23 05 29 00-1093	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	8.18	5.09
23 05 29 00-1094	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	12.46	5.87
23 05 29 00-1095	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	16.07	7.83
23 05 29 00-1096	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	22.68	9.40
23 05 29 00-1097	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	28.34	12.14
23 05 29 00-1098			Structural Zees For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1099	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	12.48	5.87
23 05 29 00-1100	LF		2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	15.70	5.87
23 05 29 00-1101	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	23.45	5.87
23 05 29 00-1102	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	30.19	5.87
23 05 29 00-1103	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	37.50	5.87
23 05 29 00-1104			Junior I-beams For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1105	LF		3" I-beam (Junior) For Hanger Devices	14.92	8.62
23 05 29 00-1106	LF		4" I-beam (Junior) For Hanger Devices	17.39	9.40
23 05 29 00-1107	LF		5" I-beam (Junior) For Hanger Devices	20.43	10.18
23 05 29 00-1108	LF		6" I-beam (Junior) For Hanger Devices	22.39	11.35
23 05 29 00-1109	LF		7" I-beam (Junior) For Hanger Devices	27.33	12.14
23 05 29 00-1110	LF		8" I-beam (Junior) For Hanger Devices	29.66	12.92
23 05 33			Heat Tracing for HVAC Piping (23 05)		
			See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48			Vibration and Seismic Controls for HVAC (23 05)		
23 05 48 13			Vibration Controls for HVAC (23 05 48)		
23 05 48 13-0001			Unhoused Stable Steel Spring Isolators (23 05 48 13)		
			Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator	81.40	22.40
23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator	87.31	22.40
23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator	106.93	22.40
23 05 48 13-0005			Vibration Isolators (23 05 48 13)		
23 05 48 13-0006			Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0007	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	115.64	14.41
23 05 48 13-0008	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	250.94	16.01
23 05 48 13-0009			Rubber-In-Shear Isolator Hanger (23 05 48 13-0005)		
23 05 48 13-0010	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	62.11	12.01
23 05 48 13-0011	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	81.14	14.41
23 05 48 13-0012			Spring Hanger For 1" Deflection (23 05 48 13-0005)		
23 05 48 13-0013	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	70.03	14.41
23 05 48 13-0014			Rubber-In-Shear Vibration Isolator (23 05 48 13-0005)		
23 05 48 13-0015	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	128.67	27.22
23 05 48 13-0016	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	181.02	27.22
23 05 48 13-0017	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	360.68	27.22
23 05 48 13-0018			Two-Piece Spring Type Vibration Isolator (23 05 48 13-0005)		
			Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0019	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	106.61	27.22
23 05 48 13-0020	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	110.51	27.22
23 05 48 13-0021			Open Double Spring Type Vibration Isolator (23 05 48 13-0005)		
			Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0022	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	87.12	13.61
23 05 48 13-0023	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	87.12	13.61
23 05 48 13-0024	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	100.12	13.61
23 05 48 13-0025	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	100.12	13.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 48 13-0026	EA			2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	158.94	13.61
23 05 48 13-0027 Isolation Pads <small>(23 05 48 13-0005)</small>						
23 05 48 13-0028 Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 13-0027)</small>						
23 05 48 13-0029	EA			2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	5.10	2.00
23 05 48 13-0030	EA			3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.83	2.08
23 05 48 13-0031	EA			4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.81	2.16
23 05 48 13-0032	EA			12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	38.46	2.49
23 05 48 13-0033	EA			18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	74.80	2.80
23 05 48 13-0034 Neoprene And Steel Plate Isolation Pad <small>(23 05 48 13-0027)</small>						
23 05 48 13-0035	EA			6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	53.48	2.00
23 05 48 13-0036	EA			6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	58.94	2.00
23 05 48 13-0037 Neoprene Isolation Pad <small>(23 05 48 13-0027)</small>						
23 05 48 13-0038	EA			2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	4.68	2.00
23 05 48 13-0039	EA			3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	5.46	2.00
23 05 48 13-0040	EA			4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.71	2.00
23 05 48 13-0041	EA			12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	37.81	2.41
23 05 48 13-0042	EA			18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	70.19	2.80
23 05 48 13-0043 Threaded Flexible Bronze Hose Connectors <small>(23 05 48 13)</small>						
Note: Includes hex threaded nipple ends.						
23 05 48 13-0044	EA			3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	59.41	12.80
23 05 48 13-0045	EA			1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	68.39	17.61
23 05 48 13-0046	EA			3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	84.12	21.62
23 05 48 13-0047	EA			1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	97.62	25.62
23 05 48 13-0048	EA			1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	111.64	33.62
23 05 48 13-0049	EA			1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	125.50	35.78
23 05 48 13-0050	EA			2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	169.15	42.42
23 05 48 13-0051	EA			2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	236.03	66.12
23 05 48 13-0052 Flanged Flexible Hose Connectors <small>(23 05 48 13)</small>						
23 05 48 13-0053 Flanged Flexible Molded Rubber Hose Connectors <small>(23 05 48 13-0052)</small>						
Note: With helical wire reinforcement 150 PSI.						
23 05 48 13-0054	EA			1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	179.79	60.04
23 05 48 13-0055	EA			2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	193.93	66.68
23 05 48 13-0056	EA			2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	306.55	133.21
23 05 48 13-0057	EA			3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	419.06	198.13
23 05 48 13-0058	EA			4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	547.57	255.77
23 05 48 13-0059	EA			6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	728.48	274.21
23 05 48 13-0060	EA			8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	891.76	313.18
23 05 48 13-0061	EA			10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,165.18	372.70
23 05 48 13-0062	EA			12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	2,698.04	466.15
23 05 48 13-0063 Flanged Flexible Corrugated Stainless Steel Hose Connectors <small>(23 05 48 13-0052)</small>						
Note: With braided metal wire.						
23 05 48 13-0064	EA			1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	137.16	54.59
23 05 48 13-0065	EA			1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	125.27	75.09
23 05 48 13-0066	EA			1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	256.60	100.07
23 05 48 13-0067	EA			2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	325.73	150.09
23 05 48 13-0068	EA			2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	348.95	165.15
23 05 48 13-0069	EA			3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	402.67	199.97
23 05 48 13-0070	EA			4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	515.49	256.00
23 05 48 13-0071	EA			4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	974.81	353.19
23 05 48 13-0072	EA			4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,111.99	414.03
23 05 48 13-0073	EA			6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	733.94	328.39
23 05 48 13-0074	EA			6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,411.68	411.31
23 05 48 13-0075	EA			8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,233.98	438.73
23 05 48 13-0076	EA			10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,455.19	507.32
23 05 48 13-0077	EA			12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,904.82	548.42
23 05 48 13-0078 Flanged Flexible Molded Teflon Hose Connectors <small>(23 05 48 13-0052)</small>						
Note: 150 PSI.						
23 05 48 13-0079	EA			2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	838.68	116.08
23 05 48 13-0080	EA			3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	938.74	136.09

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 48 13-0081	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,415.17	228.72
23 05 48 13-0082	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,728.52	274.21
23 05 48 13-0083	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,286.97	336.36

23 05 48 13-0084 Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)**23 05 48 13-0085 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0084)**

Note: MPT connection.

23 05 48 13-0086	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	33.79	1.60
23 05 48 13-0087	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	40.58	1.60
23 05 48 13-0088	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.95	2.08
23 05 48 13-0089	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	54.95	2.08
23 05 48 13-0090	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	45.37	1.92
23 05 48 13-0091	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	55.06	1.92
23 05 48 13-0092	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	62.78	2.48
23 05 48 13-0093	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	77.87	2.48
23 05 48 13-0094	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	62.11	2.24
23 05 48 13-0095	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	68.06	2.24
23 05 48 13-0096	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	80.67	2.96
23 05 48 13-0097	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	102.74	2.96
23 05 48 13-0098	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	124.64	2.96
23 05 48 13-0099	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	146.61	2.96
23 05 48 13-0100	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.68	2.87
23 05 48 13-0101	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.94	2.87
23 05 48 13-0102	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	126.17	2.87
23 05 48 13-0103	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	175.54	3.83
23 05 48 13-0104	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	203.99	3.83
23 05 48 13-0105	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	241.84	3.83
23 05 48 13-0106	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	121.70	3.47
23 05 48 13-0107	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	141.05	3.47
23 05 48 13-0108	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	178.54	3.47
23 05 48 13-0109	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	238.13	4.65
23 05 48 13-0110	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	295.27	4.65
23 05 48 13-0111	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	352.36	4.65
23 05 48 13-0112	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	169.43	4.35
23 05 48 13-0113	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	193.27	4.12
23 05 48 13-0114	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	217.35	4.12
23 05 48 13-0115	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	267.77	5.53
23 05 48 13-0116	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	316.20	5.53
23 05 48 13-0117	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	363.12	5.53
23 05 48 13-0118	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	267.79	5.53
23 05 48 13-0119	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	299.96	5.53
23 05 48 13-0120	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	414.58	5.53
23 05 48 13-0121	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	499.72	7.37
23 05 48 13-0122	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	465.26	7.37
23 05 48 13-0123	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	528.56	7.37
23 05 48 13-0124	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	492.60	6.58
23 05 48 13-0125	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	530.19	6.58
23 05 48 13-0126	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	567.77	6.58
23 05 48 13-0127	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	648.41	8.77
23 05 48 13-0128	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	723.29	8.77
23 05 48 13-0129	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	799.79	8.77

23 05 48 13-0130 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0084)

Note: Over braided carbon steel connection.

23 05 48 13-0131	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	145.41	3.53
23 05 48 13-0132	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	176.17	3.53
23 05 48 13-0133	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	206.34	3.53
23 05 48 13-0134	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	270.02	4.73
23 05 48 13-0135	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	331.19	4.73
23 05 48 13-0136	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	392.28	4.73
23 05 48 13-0137	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	164.72	4.12
23 05 48 13-0138	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	196.87	4.12
23 05 48 13-0139	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.15	4.12
23 05 48 13-0140	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	296.77	5.53
23 05 48 13-0141	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	361.08	5.53
23 05 48 13-0142	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	424.50	5.53
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	174.08	5.53
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	210.90	5.68
23 05 48 13-0145	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	248.25	5.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0146	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	328.73	7.37
23 05 48 13-0147	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	403.02	7.37
23 05 48 13-0148	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	479.42	7.37
23 05 48 13-0149	EA		6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	351.28	10.80
23 05 48 13-0150	EA		6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	521.56	10.88
23 05 48 13-0151	EA		6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	699.62	14.33
23 05 48 13-0152	EA		6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	869.97	14.33
23 05 48 13-0153	EA		6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,040.27	14.33
23 05 48 13-0154	EA		8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	613.27	13.38
23 05 48 13-0155	EA		8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	742.11	13.38
23 05 48 13-0156	EA		8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,006.54	17.39
23 05 48 13-0157	EA		8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,262.12	17.39
23 05 48 13-0158	EA		8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,517.62	17.39
23 05 48 13-0159	EA		10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	655.61	16.73
23 05 48 13-0160	EA		10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	977.70	16.73
23 05 48 13-0161	EA		10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,309.91	21.78
23 05 48 13-0162	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,633.13	21.78
23 05 48 13-0163	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,954.98	21.78
23 05 48 13-0164	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,308.01	20.22
23 05 48 13-0165	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,709.97	20.22
23 05 48 13-0166	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,138.21	27.21
23 05 48 13-0167	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,543.70	27.21
23 05 48 13-0168	EA		12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,951.09	27.21
23 05 48 13-0169			Braided Metal Hose Type Flexible Bronze Hose Connectors <small>(23 05 48 13-0084)</small>		
Note: Flanged end connection (carbon steel ends).					
23 05 48 13-0170	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	185.27	3.47
23 05 48 13-0171	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	377.12	98.27
23 05 48 13-0172	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	453.97	98.27
23 05 48 13-0173	EA		2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	530.83	98.27
23 05 48 13-0174	EA		2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	607.71	98.27
23 05 48 13-0175	EA		2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	358.07	125.33
23 05 48 13-0176	EA		2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	439.06	125.33
23 05 48 13-0177	EA		2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	520.08	125.33
23 05 48 13-0178	EA		2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	601.13	125.33
23 05 48 13-0179	EA		2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	680.76	125.33
23 05 48 13-0180	EA		4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	511.17	210.10
23 05 48 13-0181	EA		4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	605.70	210.63
23 05 48 13-0182	EA		4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	701.77	210.10
23 05 48 13-0183	EA		4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	809.19	210.10
23 05 48 13-0184	EA		4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	891.26	210.10
23 05 48 13-0185	EA		6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	774.38	270.08
23 05 48 13-0186	EA		6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	988.57	270.08
23 05 48 13-0187	EA		6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,202.88	271.05
23 05 48 13-0188	EA		6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,417.10	270.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0189	EA		6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,631.29	270.08
23 05 48 13-0190	EA		8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,252.07	341.96
23 05 48 13-0191	EA		8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,414.11	341.96
23 05 48 13-0192	EA		8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,735.38	341.96
23 05 48 13-0193	EA		8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,056.77	341.96
23 05 48 13-0194	EA		8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,378.00	341.96
23 05 48 13-0195	EA		10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,994.76	416.31
23 05 48 13-0196	EA		10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,398.47	416.31
23 05 48 13-0197	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,804.89	416.31
23 05 48 13-0198	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,210.43	416.31
23 05 48 13-0199	EA		10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,538.19	416.31
23 05 48 13-0200	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,684.55	505.52
23 05 48 13-0201	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,196.84	505.52
23 05 48 13-0202	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,709.11	505.52
23 05 48 13-0203	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,221.37	505.52
23 05 48 13-0204	EA		12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,733.66	505.52

23 05 53 Identification for HVAC Piping and Equipment (23 05)**23 05 53 00-0001 Systems Identification** (23 05 53)**23 05 53 00-0002 Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA		1/2" Outside Diameter Snap-On Plastic Marker	11.21	
23 05 53 00-0004	EA		3/4" Outside Diameter Snap-On Plastic Marker	11.41	
23 05 53 00-0005	EA		1" Outside Diameter Snap-On Plastic Marker	11.51	
23 05 53 00-0006	EA		1-1/4" Outside Diameter Snap-On Plastic Marker	11.70	
23 05 53 00-0007	EA		1-1/2" Outside Diameter Snap-On Plastic Marker	13.26	
23 05 53 00-0008	EA		2" Outside Diameter Snap-On Plastic Marker	13.62	
23 05 53 00-0009	EA		2-1/2" Outside Diameter Snap-On Plastic Marker	20.27	
23 05 53 00-0010	EA		3" Outside Diameter Snap-On Plastic Marker	20.57	
23 05 53 00-0011	EA		3-1/2" Outside Diameter Snap-On Plastic Marker	20.87	
23 05 53 00-0012	EA		4" Outside Diameter Snap-On Plastic Marker	21.03	
23 05 53 00-0013	EA		4-1/2" Outside Diameter Snap-On Plastic Marker	21.20	
23 05 53 00-0014	EA		5" Outside Diameter Snap-On Plastic Marker	21.38	
23 05 53 00-0015	EA		6" Outside Diameter Snap-On Plastic Marker	22.33	
23 05 53 00-0016	EA		7" Outside Diameter Snap-On Plastic Marker	22.52	
23 05 53 00-0017	EA		8" Outside Diameter Snap-On Plastic Marker	27.09	
23 05 53 00-0018	EA		10" Outside Diameter Snap-On Plastic Marker	28.22	
23 05 53 00-0019	EA		12" Outside Diameter Snap-On Plastic Marker	32.67	
23 05 53 00-0020	EA		14" Outside Diameter Snap-On Plastic Marker	37.42	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA		1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.90	
23 05 53 00-0023	EA		3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.30	
23 05 53 00-0024	EA		1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.10	
23 05 53 00-0025	EA		1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.26	
23 05 53 00-0026	EA		1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.59	
23 05 53 00-0027	EA		2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.83	
23 05 53 00-0028	EA		2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.68	
23 05 53 00-0029	EA		3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.00	
23 05 53 00-0030	EA		3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.24	
23 05 53 00-0031	EA		4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.49	
23 05 53 00-0032	EA		4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.98	
23 05 53 00-0033	EA		5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.52	
23 05 53 00-0034	EA		6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.99	
23 05 53 00-0035	EA		7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.46	
23 05 53 00-0036	EA		8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.53	
23 05 53 00-0037	EA		10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.41	
23 05 53 00-0038	EA		12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.13	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA		2" Diameter Identification Tag, Brass	8.35	
23 05 53 00-0041	EA		1-1/2" Diameter Identification Tag, Plastic	7.84	
23 05 53 00-0042	EA		1-1/2" Diameter Identification Tag, Brass	7.67	

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	570.60	55.03
		Note: Includes tube.		
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	595.73	57.75
		Note: Includes tube.		
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	597.97	60.23
		Note: Includes tube.		
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	625.89	63.28
		Note: Includes tube.		
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	676.75	66.00
		Note: Includes tube.		
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	775.42	68.06
		Note: Includes tube.		

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO).....	497.97	38.11
		Note: Includes tube.		
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO).....	506.23	41.25
		Note: Includes tube.		
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO).....	514.70	43.72
		Note: Includes tube.		
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO).....	514.33	47.02
		Note: Includes tube.		
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO).....	534.95	49.50
		Note: Includes tube.		
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO).....	547.10	51.98
		Note: Includes tube.		
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO).....	559.34	55.28
		Note: Includes tube.		
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO).....	584.81	38.11
		Note: Includes tube.		
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO).....	593.07	41.25
		Note: Includes tube.		
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO).....	601.54	43.72
		Note: Includes tube.		
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO).....	601.17	47.02
		Note: Includes tube.		
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO).....	621.80	49.50
		Note: Includes tube.		
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO).....	633.94	51.98
		Note: Includes tube.		
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO).....	646.19	55.28
		Note: Includes tube.		
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO).....	404.11	41.25
		Note: Includes tube.		
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO).....	412.58	43.72
		Note: Includes tube.		
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO).....	412.21	47.02
		Note: Includes tube.		
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO).....	432.83	49.50
		Note: Includes tube.		
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO).....	444.98	51.98
		Note: Includes tube.		
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO).....	457.22	55.28
		Note: Includes tube.		

23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)

23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	355.39	52.80
		Note: Includes tube.		
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	363.58	55.28
		Note: Includes tube.		
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	371.76	57.75
		Note: Includes tube.		
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	382.55	60.23
		Note: Includes tube.		
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	396.36	63.28
		Note: Includes tube.		
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire).....	408.59	66.00
		Note: Includes tube.		

23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)

23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	93.94	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	98.73	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	111.93	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	128.91	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	146.23	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	179.69	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	91.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	96.40
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	101.59
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	97.91
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	115.24
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	124.09
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	133.03
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	272.35

23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)

23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	478.07
		Note: Includes 61" emitter, power supply, wires and connectors.	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	614.10
		Note: Includes 61" emitter, power supply, wires and connectors.	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	275.70
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	292.36
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	381.97
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	235.73
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	256.22
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	332.35
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	327.63
		Note: Includes power supply, wires and connectors. Excludes emitter.	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	12.30
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	41.26
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	13.95
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	13.13
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	37.88
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	46.14
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	40.89
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	33.01
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	31.14
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	16.43
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	35.11
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	16.50
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	67.00
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	70.52

23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002	EA	Balancing Centrifugal Fans.....	308.79
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-154.40</i>
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units.....	385.83
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-192.92</i>
23 05 93 00-0004	EA	Balancing In Line Fan	347.38
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-173.69</i>
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	77.20
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-38.60</i>
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	231.58
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-115.79</i>
23 05 93 00-0007	EA	Balancing Wall Fan.....	57.88
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-28.94</i>
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	308.29
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-154.15</i>

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	590.23
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-295.12</i>
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	221.34
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-110.67</i>
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	295.12
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-147.56</i>
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	1,032.90
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-516.45</i>

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	57.89
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-28.95</i>
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	96.50
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-48.25</i>
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	50.17
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-25.09</i>
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	54.37
		<i>For Testing Of Unit Without Balancing, Deduct</i>	<i>-27.19</i>

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 93 00-0019	EA	Balance Constant Volume Box	54.37	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-27.19	
23 05 93 00-0020	EA	Balance Fan Powered Box	61.75	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-30.88	
23 05 93 00-0021	EA	Balance Lab Fume Hood	250.90	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-125.45	
23 05 93 00-0022	EA	Balance General Hood	192.99	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-96.50	
23 05 93 00-0023	EA	Balance Induction Unit	115.80	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-57.90	
23 05 93 00-0024	EA	Balance Moduline - Master	46.31	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-23.16	
23 05 93 00-0025	EA	Balance Moduline - Slave	23.16	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-11.58	
23 05 93 00-0026	EA	Balance Dampers	21.50	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-10.75	
23 05 93 00-0027	EA	Balance Regenerators	308.29	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-154.15	

23 05 93 00-0028 Water Balancing Of Components (23 05 93)

23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	405.82	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-202.91	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	51.65	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-25.83	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	442.63	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-221.32	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	590.23	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-295.12	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	295.12	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-147.56	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	73.82	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.91	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	73.78	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.89	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	81.15	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-40.58	
23 05 93 00-0037	EA	Water Balance, Pumps	221.35	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-110.68	
23 05 93 00-0038	EA	Water Balance, Unit Heater	51.65	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-25.83	
23 05 93 00-0039	EA	Water Balancing, Converter	221.43	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-110.72	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	36.88	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-18.44	
23 05 93 00-0041	EA	Water Balance, Convactor	44.26	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-22.13	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	55.34	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-27.67	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	479.56	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-239.78	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	885.35	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-442.68	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	1,623.13	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-811.57	

23 05 93 00-0046 Non Destructive Testing (23 05 93)

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)

23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge	635.72	
		<i>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</i>		

23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	62.06	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	70.56	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	79.06	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	83.58	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	88.08	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	93.08	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	102.08	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	111.11	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	116.11	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	121.11	

23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	81.69	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	85.69	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	89.69	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	91.69	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	94.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 93 Testing, Adjusting, and Balancing for HVAC

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	97.70		
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	103.70		
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	109.70		
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	115.71		
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	121.71		
23 05 93 00-0073		Hydrostatic Testing <small>(23 05 93 00-0046)</small>			
		Note: Includes flushing and restoring of system.			
23 05 93 00-0074		Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>			
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	526.66		
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	752.36		
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	901.48		
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,200.78		
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,819.35		
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	700.24		
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,000.64		
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,191.24		
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,560.99		
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,361.51		
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	912.59		
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,300.84		
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,414.90		
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	1,853.63		
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	2,804.19		
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,184.77		
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	1,689.08		
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	1,839.73		
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	2,413.00		
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	3,656.07		
23 05 93 00-0095		Pneumatic Testing <small>(23 05 93 00-0046)</small>			
		Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.			
23 05 93 00-0096		Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>			
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	599.27		
		Note: Includes soaping joints.			
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	854.95		
		Note: Includes soaping joints.			
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	924.52		
		Note: Includes soaping joints.			
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,184.66		
		Note: Includes soaping joints.			
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,853.62		
		Note: Includes soaping joints.			
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	781.93		
		Note: Includes soaping joints.			
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,110.13		
		Note: Includes soaping joints.			
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,201.75		
		Note: Includes soaping joints.			
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,540.30		
		Note: Includes soaping joints.			
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,409.21		
		Note: Includes soaping joints.			
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing.....	942.38		
		Note: Includes soaping joints.			
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,329.73		
		Note: Includes soaping joints.			
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,549.92		
		Note: Includes soaping joints.			
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	1,981.09		
		Note: Includes soaping joints.			
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	3,103.04		
		Note: Includes soaping joints.			
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing.....	1,227.11		
		Note: Includes soaping joints.			
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing.....	1,728.81		
		Note: Includes soaping joints.			
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing.....	2,015.61		
		Note: Includes soaping joints.			
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	2,576.12		
		Note: Includes soaping joints.			
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	4,040.80		
		Note: Includes soaping joints.			
23 05 93 00-0117		EPA Testing Of Sludge <small>(23 05 93)</small>			
23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead.....	709.68		
23 05 93 00-0119	EA	Air Test/Combustion Gas Level.....	69.33		
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals.....	1,089.59		
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water.....	826.25		

23 07 HVAC Insulation (23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001			FSK Fiber Glass Duct Wrap Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.		
23 07 13 00-0002			Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0003	SF		1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.30 -0.13 0.59	1.49
23 07 13 00-0004	SF		1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.68 -0.14 0.70	1.49
23 07 13 00-0005	SF		2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.05 -0.16 0.80	2.23
23 07 13 00-0006	SF		3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.59 -0.20 0.93	2.60
23 07 13 00-0007	SF		4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.12 -0.31 1.01	2.82
23 07 13 00-0008			Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0009	SF		1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.84 -0.14 0.74	2.23
23 07 13 00-0010	SF		1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.30 -0.18 0.86	2.60
23 07 13 00-0011	SF		2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.90 -0.21 1.01	2.97
23 07 13 00-0012			Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)		
23 07 13 00-0013	SF		1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.60 -0.25 0.89	2.97
23 07 13 00-0014	SF		1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.48 -0.43 1.02	3.35
23 07 13 00-0015	SF		2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.22 -0.50 1.19	3.72
23 07 13 00-0016			3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF		1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.18 16.25 12.13 9.98 1.98	3.79
23 07 13 00-0018	SF		1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.39 20.22 15.41 12.60 2.41	4.61
23 07 13 00-0019	SF		2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.83 24.75 19.10 15.55 2.91	5.56
23 07 13 00-0020			4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	8.12 2.18	4.17
23 07 13 00-0022	SF		1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	10.76 2.65	5.08
23 07 13 00-0023	SF		2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	14.04 3.20	6.13
23 07 13 00-0024			Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025	SF		3/8" Thick, Sheet Flexible Elastomeric Insulation (23 07 13)	7.34	2.01
23 07 13 00-0026	SF		1/2" Thick, Sheet Flexible Elastomeric Insulation	7.84	2.12
23 07 13 00-0027	SF		3/4" Thick, Sheet Flexible Elastomeric Insulation	10.59	2.23
23 07 13 00-0028	SF		1" Thick, Sheet Flexible Elastomeric Insulation	12.33	2.34
23 07 13 00-0029	SF		1-1/2" Thick, Sheet Flexible Elastomeric Insulation	17.45	2.57
23 07 13 00-0030	SF		2" Thick, Sheet Flexible Elastomeric Insulation	20.77	2.79
23 07 13 00-0031			Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

		protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	11.31	2.12
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	12.50	2.23
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.00	2.34
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	22.43	2.57
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.72	2.79

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.78	2.12
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.97	2.23
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.90	2.34
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	25.30	2.57

23 07 16 HVAC Equipment Insulation (23 07)**23 07 16 00-0001 Calcium Silicate Block Insulation** (23 07 16)

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	12.19	4.55
		<i>For Work In Restricted Working Space, Add</i>	2.73	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	14.87	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.08	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	18.02	5.91
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	21.58	6.94
		<i>For Work In Restricted Working Space, Add</i>	4.16	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	26.32	8.54
		<i>For Work In Restricted Working Space, Add</i>	5.12	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.55	2.45
		<i>For Work In Restricted Working Space, Add</i>	1.83	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.55	2.45
		<i>For Work In Restricted Working Space, Add</i>	1.83	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.41	2.48
		<i>For Work In Restricted Working Space, Add</i>	1.86	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.59	2.52
		<i>For Work In Restricted Working Space, Add</i>	1.89	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.72	2.55
		<i>For Work In Restricted Working Space, Add</i>	1.91	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.72	2.62
		<i>For Work In Restricted Working Space, Add</i>	1.97	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.33	2.73
		<i>For Work In Restricted Working Space, Add</i>	2.04	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.00	2.80
		<i>For Work In Restricted Working Space, Add</i>	2.10	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.28	3.01
		<i>For Work In Restricted Working Space, Add</i>	2.26	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.06	3.40
		<i>For Work In Restricted Working Space, Add</i>	2.54	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.11	2.55
		<i>For Work In Restricted Working Space, Add</i>	1.91	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.20	2.55
		<i>For Work In Restricted Working Space, Add</i>	1.91	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.12	2.70
		<i>For Work In Restricted Working Space, Add</i>	2.02	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.73	2.75
		<i>For Work In Restricted Working Space, Add</i>	2.06	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.37	2.80
		<i>For Work In Restricted Working Space, Add</i>	2.10	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.51	2.95
		<i>For Work In Restricted Working Space, Add</i>	2.21	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.39	3.00
		<i>For Work In Restricted Working Space, Add</i>	2.25	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.03	3.10
		<i>For Work In Restricted Working Space, Add</i>	2.33	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.13	3.36
		<i>For Work In Restricted Working Space, Add</i>	2.52	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.15	3.92
		<i>For Work In Restricted Working Space, Add</i>	2.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0024	LF		8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.71 3.10	4.13
23 07 19 00-0025	LF		10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.05 3.71	4.95
23 07 19 00-0026	LF		12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.13 4.32	5.76
23 07 19 00-0027	LF		14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.86 4.74	6.32
23 07 19 00-0028	LF		16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.64 6.03	8.05
23 07 19 00-0029	LF		18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.07 6.33	8.44
23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0031	LF		1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.08 2.10	2.80
23 07 19 00-0032	LF		3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.57 2.10	2.80
23 07 19 00-0033	LF		1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.17 2.12	2.83
23 07 19 00-0034	LF		1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.99 2.15	2.87
23 07 19 00-0035	LF		1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.54 2.18	2.90
23 07 19 00-0036	LF		2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.36 2.26	3.01
23 07 19 00-0037	LF		2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.03 2.33	3.11
23 07 19 00-0038	LF		3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.36 2.42	3.22
23 07 19 00-0039	LF		4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.03 2.55	3.40
23 07 19 00-0040	LF		6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.82 3.06	4.07
23 07 19 00-0041	LF		8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.32 3.23	4.31
23 07 19 00-0042	LF		10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.74 3.86	5.14
23 07 19 00-0043	LF		12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.70 4.62	6.17
23 07 19 00-0044	LF		14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	59.21 6.45	8.60
23 07 19 00-0045	LF		16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	63.07 6.45	8.60
23 07 19 00-0046	LF		18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.92 6.77	9.04
23 07 19 00-0047	LF		20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	81.65 7.75	10.32
23 07 19 00-0048	LF		24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	94.37 9.35	12.47
23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0050	LF		1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.49 2.42	3.22
23 07 19 00-0051	LF		3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.01 2.42	3.22
23 07 19 00-0052	LF		1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.36 2.46	3.27
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.56 2.48	3.31
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.19 2.50	3.33
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	22.09 2.60	3.47
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.33 2.69	3.58
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.64 2.78	3.71
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.21 2.93	3.91
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.30 3.33	4.45
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.90 3.72	4.95
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.75 4.28	5.71
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	60.67 5.33	7.11
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.28 5.82	7.75
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	80.88 7.43	9.91
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	85.50 7.80	10.40
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	99.48 8.92	11.90

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	116.25 10.78	14.37
23 07 19 00-0068			3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.39 2.68	3.57
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.50 2.68	3.57
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.72 2.71	3.61
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.02 2.72	3.63
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	26.25 2.75	3.67
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	27.12 2.85	3.80
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.56 2.95	3.93
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	31.07 3.06	4.07
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.44 3.23	4.31
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.76 3.67	4.89
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.37 4.09	5.45
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	62.50 4.71	6.29
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	71.29 5.86	7.81
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	79.38 6.40	8.53
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	91.39 8.18	10.90
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	99.04 8.58	11.44
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	116.48 9.82	13.09
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	137.25 11.86	15.81
23 07 19 00-0087			3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.39 2.93	3.91
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.88 2.93	3.91
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.94 2.95	3.93
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.02 2.97	3.96
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.24 3.01	4.01
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.62 3.11	4.14
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.29 3.22	4.30
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	43.79 3.33	4.45
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.48 3.53	4.70
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	56.17 4.00	5.34
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	69.30 4.46	5.94
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	84.81 5.14	6.85
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	102.32 6.39	8.52
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	107.26 6.98	9.30
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	123.38 8.92	11.89
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	143.64 9.36	12.48
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	153.68 10.71	14.28
23 07 19 00-0105			4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.58 3.26	4.35
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.63 3.26	4.35
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.82 3.32	4.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.11 3.35	4.47
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.91 3.46	4.61
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	47.81 3.56	4.75
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.81 3.62	4.83
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.28 3.75	5.00
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	62.25 3.96	5.29
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	72.21 4.49	5.99
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	86.79 5.01	6.68
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	99.89 5.79	7.72
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	112.45 7.19	9.59
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	119.15 7.85	10.47
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	139.48 10.04	13.39
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	148.67 10.52	14.03
23 07 19 00-0122	LF		20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	163.67 12.05	16.06
23 07 19 00-0123			Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124	SF		1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	3.93 0.69	
23 07 19 00-0125			Mineral Wool Pipe Insulation (23 07 19)		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.		
23 07 19 00-0126			1" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)		
23 07 19 00-0127	LF		1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	9.07 1.83	2.23
23 07 19 00-0128	LF		3/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	9.18 1.83	2.23
23 07 19 00-0129	LF		1" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	9.38 1.86	2.23
23 07 19 00-0130	LF		1-1/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	9.56 1.89	2.30
23 07 19 00-0131	LF		1-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	9.77 1.91	2.30
23 07 19 00-0132	LF		2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	10.72 1.97	2.38
23 07 19 00-0133	LF		2-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	11.23 2.04	2.53
23 07 19 00-0134	LF		3" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	11.58 2.10	2.60
23 07 19 00-0135	LF		4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.14 2.26	2.75
23 07 19 00-0136	LF		5" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.39 2.40	2.97
23 07 19 00-0137	LF		6" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	15.28 2.54	3.19
23 07 19 00-0138			1-1/2" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)		
23 07 19 00-0139	LF		1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	11.42 1.91	2.29
23 07 19 00-0140	LF		3/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	11.54 1.91	2.29
23 07 19 00-0141	LF		1" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	12.01 2.02	2.43
23 07 19 00-0142	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	12.23 2.06	2.49
23 07 19 00-0143	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	12.65 2.10	2.53
23 07 19 00-0144	LF		2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.33 2.21	2.66
23 07 19 00-0145	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.01 2.25	2.71
23 07 19 00-0146	LF		3" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.54 2.33	2.80
23 07 19 00-0147	LF		4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.53 2.52	3.03
23 07 19 00-0148	LF		5" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	17.80 2.73	3.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 07 HVAC Insulation

23 07 19 HVAC Piping Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0149	LF		6" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.76 2.94	3.54
23 07 19 00-0150	LF		8" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	22.08 3.10	3.73
23 07 19 00-0151	LF		10" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	27.24 3.71	4.47
23 07 19 00-0152	LF		12" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	31.37 4.32	5.21
23 07 19 00-0153			2" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)		
23 07 19 00-0154	LF		1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.54 2.10	2.53
23 07 19 00-0155	LF		3/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.78 2.10	2.53
23 07 19 00-0156	LF		1" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.28 2.12	2.60
23 07 19 00-0157	LF		1-1/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.90 2.15	2.60
23 07 19 00-0158	LF		1-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	15.30 2.18	2.68
23 07 19 00-0159	LF		2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	15.95 2.26	2.75
23 07 19 00-0160	LF		2-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	17.33 2.33	2.82
23 07 19 00-0161	LF		3" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.26 2.42	2.97
23 07 19 00-0162	LF		4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	20.38 2.55	3.12
23 07 19 00-0163	LF		5" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	22.54 2.80	3.40
23 07 19 00-0164	LF		6" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	23.91 3.06	3.66
23 07 19 00-0165	LF		8" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	27.40 3.23	3.87
23 07 19 00-0166	LF		10" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	33.24 3.86	4.63
23 07 19 00-0167	LF		12" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	38.00 4.62	5.21

23 08 Commissioning of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC (23)

23 09 23 Direct-Digital Control System for HVAC (23 09)

23 09 23 11 Control Valves (23 09 23)

23 09 23 11-0001 Valves With Actuator (23 09 23 11)

23 09 23 11-0002	EA		1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US).....	564.51	10.33
23 09 23 11-0003	EA		3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	582.33	13.93
23 09 23 11-0004	EA		1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US).....	636.61	16.86
23 09 23 11-0005	EA		1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US).....	693.34	21.34
23 09 23 11-0006	EA		1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US).....	789.63	24.63
23 09 23 11-0007	EA		2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US).....	891.84	29.10
23 09 23 11-0008	EA		2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1).....	1,666.22	58.22
23 09 23 11-0009	EA		3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1).....	1,804.04	68.12
23 09 23 11-0010	EA		4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1).....	2,431.38	100.07
23 09 23 11-0011	EA		5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1).....	3,577.56	144.61
23 09 23 11-0012	EA		6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1).....	3,962.72	160.11
23 09 23 11-0013	EA		1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	605.33	15.49
23 09 23 11-0014	EA		3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	621.73	20.89
23 09 23 11-0015	EA		1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US).....	672.35	25.28
23 09 23 11-0016	EA		1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US).....	743.53	32.03
23 09 23 11-0017	EA		1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US).....	956.94	36.95
23 09 23 11-0018	EA		2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US).....	1,060.31	43.67
23 09 23 11-0019	EA		2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,868.18	87.33
23 09 23 11-0020	EA		3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	2,050.67	102.19
23 09 23 11-0021	EA		4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	2,983.53	150.09
23 09 23 11-0022	EA		5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	4,327.87	216.91
23 09 23 11-0023	EA		6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	4,811.66	240.16
23 09 23 11-0024	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC).....	105.57	10.33
23 09 23 11-0025	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC).....	123.50	13.93
23 09 23 11-0026	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC).....	155.99	16.86
23 09 23 11-0027	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC).....	127.44	15.49
23 09 23 11-0028	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC).....	147.30	20.89
23 09 23 11-0029	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	184.73	25.28
23 09 23 11-0030	EA		1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	179.75	10.33
23 09 23 11-0031	EA		3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	212.10	13.93
23 09 23 11-0032	EA		1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	240.66	16.86
23 09 23 11-0033	EA		1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	313.46	21.34
23 09 23 11-0034	EA		1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	322.72	24.63
23 09 23 11-0035	EA		2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	412.48	29.10
23 09 23 11-0036	EA		2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	888.65	58.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 11-0037	EA		3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,043.50	68.12
23 09 23 11-0038	EA		1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	216.04	15.49
23 09 23 11-0039	EA		3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	248.07	20.89
23 09 23 11-0040	EA		1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	321.16	25.28
23 09 23 11-0041	EA		1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	457.97	32.03
23 09 23 11-0042	EA		1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	480.90	36.95
23 09 23 11-0043	EA		2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	640.48	43.67
23 09 23 11-0044	EA		2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	512.41	53.37
23 09 23 11-0045	EA		2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	536.74	58.22
23 09 23 11-0046	EA		3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	710.68	68.12
23 09 23 11-0047	EA		4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,078.92	114.36
23 09 23 11-0048	EA		5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,223.56	144.61
23 09 23 11-0049	EA		6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,341.38	160.11
23 09 23 11-0050	EA		8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,205.91	182.98
23 09 23 11-0051	EA		10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,933.58	224.15
23 09 23 11-0052	EA		12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,864.57	271.69
23 09 23 11-0053	EA		14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,394.57	320.20
23 09 23 11-0054	EA		16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,177.41	352.23
23 09 23 11-0055	EA		18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,720.42	391.29
23 09 23 11-0056	EA		2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	958.11	80.05
23 09 23 11-0057	EA		2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,132.89	87.33
23 09 23 11-0058	EA		3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,402.01	102.19
23 09 23 11-0059	EA		4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,773.89	171.54
23 09 23 11-0060	EA		5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,715.39	216.91
23 09 23 11-0061	EA		6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,837.19	240.16
23 09 23 11-0062	EA		8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,854.56	274.49
23 09 23 11-0063	EA		10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,442.57	336.21
23 09 23 11-0064	EA		12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	7,831.61	407.54
23 09 23 11-0065	EA		14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	12,317.24	480.31
23 09 23 11-0066	EA		16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	13,738.82	528.34
23 09 23 11-0067	EA		18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	21,284.63	586.94

23 09 23 11-0068 Valve Actuators (23 09 23 11)

23 09 23 11-0069	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	330.88	66.14
23 09 23 11-0070	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	336.70	66.14
23 09 23 11-0071	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	398.92	66.14
23 09 23 11-0072	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	385.01	66.14
23 09 23 11-0073	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	393.50	66.14
23 09 23 11-0074	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	449.24	66.14
23 09 23 11-0075	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	508.92	66.14
23 09 23 11-0076	EA		24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	520.13	66.14
23 09 23 11-0077	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	547.19	66.14
23 09 23 11-0078	EA		120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	387.46	66.14
23 09 23 11-0079	EA		120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	444.23	66.14
23 09 23 11-0080	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	421.62	66.14
23 09 23 11-0081	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	430.13	66.14
23 09 23 11-0082	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	433.31	66.14
23 09 23 11-0083	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	491.17	66.14
23 09 23 11-0084	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	516.12	66.14
23 09 23 11-0085	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	529.37	66.14
23 09 23 11-0086	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	526.74	66.14
23 09 23 11-0087	EA		24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	535.22	66.14
23 09 23 11-0088	EA		24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	534.69	66.14
23 09 23 11-0089	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	589.74	66.14
23 09 23 11-0090	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	728.97	66.14
23 09 23 11-0091	EA		100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	462.50	66.14
23 09 23 11-0092	EA		100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	564.43	66.14
23 09 23 11-0093	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,363.80	66.14
23 09 23 11-0094	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,537.89	66.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,860.08	66.14
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,116.46	66.14
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,518.27	66.14
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,979.01	66.14
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	4,038.48	66.14
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,945.60	66.14

23 09 23 12 Control Dampers (23 09 23)**23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	141.04	23.94
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	159.29	26.25
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	178.26	28.95
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	205.92	33.97
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	232.78	38.60
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	233.63	43.43
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	288.80	48.25
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	344.79	57.89
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	445.55	67.54
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	671.06	77.20
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,253.28	86.85
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,597.71	96.50

23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	135.49	27.02
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	139.43	28.95
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	145.96	28.95
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	161.75	32.81
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	185.96	32.81
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	200.50	38.60
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	269.81	40.63
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	282.27	42.11
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	299.17	45.40
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	316.45	48.69

23 09 23 12-0025 Control Damper Actuators (23 09 23 12)

23 09 23 12-0026	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	370.25	63.78
23 09 23 12-0027	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	406.87	63.78
23 09 23 12-0028	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	466.85	63.78
23 09 23 12-0029	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	495.51	63.78
23 09 23 12-0030	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	512.52	63.78
23 09 23 12-0031	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	579.39	63.78

23 09 23 12-0032 Remote Damper Control (23 09 23 12)

23 09 23 12-0033	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	193.14	
		<i>For Each 10' Flexible Casing And Wire, Add</i>	28.57	
23 09 23 12-0034	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	187.30	
		<i>For Each 10' Flexible Casing And Wire, Add</i>	28.57	

23 09 23 14 Flow Instruments (23 09 23)**23 09 23 14-0001 Water Flow Meters (23 09 23 14)**

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	3,657.82	70.77
		Note: Excludes pipe fittings.		

23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Eatron GTA116).....	2,857.28	74.11
		Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	4,113.39	74.11
		Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	5,125.46	74.11
		Note: 10' cable, 60" x 48" typical duct size.		

23 09 23 16 Gas Instruments (23 09 23)**23 09 23 16-0001 Gas Sensors (23 09 23 16)**

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,517.31	39.69
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 16-0003	EA		Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	669.21	26.47
23 09 23 16-0004	EA		CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)..... Note: Solid state sensor.	1,204.68	39.69
23 09 23 16-0005	EA		CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	650.31	47.64

23 09 23 19 Moisture Instruments (23 09 23)

23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)

23 09 23 19-0002	EA		3% Duct Mounted RH Sensor (Kele HD30K).....	402.58	47.64
23 09 23 19-0003	EA		10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	413.75	47.64
23 09 23 19-0004	EA		3% RH Outdoor Air Sensor (Kele HO30K).....	466.68	66.16
23 09 23 19-0005	EA		2% Surface Mounted RH Transmitter (Kele HW20K)	366.72	26.47

23 09 23 21 Motion Instruments (23 09 23)

23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)

23 09 23 21-0002	EA		Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	133.25	18.60
23 09 23 21-0003	EA		Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	130.59	18.60
23 09 23 21-0004	EA		Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	175.30	18.60
23 09 23 21-0005	EA		Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	155.57	18.60
23 09 23 21-0006	EA		Door Switch Occupancy Sensor (Peco SE200-001).....	47.13	18.60
23 09 23 21-0007	EA		Window Switch Occupancy Sensor (Peco SE200-002).....	43.45	18.60
23 09 23 21-0008	EA		Power Pack And Controller (Peco SF200-001).....	81.26	18.60

23 09 23 23 Pressure Instruments (23 09 23)

23 09 23 23-0001 Pressure Sensors (23 09 23 23)

23 09 23 23-0002	EA		0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	538.01	55.87
23 09 23 23-0003	EA		0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	477.99	55.87
23 09 23 23-0004	EA		0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	187.56	55.87
23 09 23 23-0005	EA		0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	194.53	55.87
23 09 23 23-0006	EA		0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	208.18	55.87
23 09 23 23-0007	EA		0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	192.51	55.87
23 09 23 23-0008	EA		0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)	1,999.01	55.87
			Note: Excludes pipe fittings.		
23 09 23 23-0009	EA		0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)	1,999.01	55.87
			Note: Excludes pipe fittings.		
23 09 23 23-0010	EA		Magnahelic Gauge.....	514.39	34.15

23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)

23 09 23 23-0012	EA		Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	2,358.94	38.60
23 09 23 23-0013	EA		Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	3,818.29	38.60
			Note: Excludes dampers and actuators.		
23 09 23 23-0014	EA		Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	294.72	23.16
23 09 23 23-0015	EA		Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	341.30	23.16

23 09 23 27 Temperature Instruments (23 09 23)

23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)

23 09 23 27-0002	EA		10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	145.18	47.64
23 09 23 27-0003	EA		10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	205.20	47.64
23 09 23 27-0004	EA		10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	152.08	47.64
23 09 23 27-0005	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	159.16	47.64
23 09 23 27-0006	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	161.52	47.64
23 09 23 27-0007	EA		10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	159.19	47.64
23 09 23 27-0008	EA		10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	160.44	47.64
23 09 23 27-0009	EA		10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	172.37	47.64
23 09 23 27-0010	EA		10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	182.79	47.64
23 09 23 27-0011	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	220.55	66.16
23 09 23 27-0012	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	228.57	66.16
23 09 23 27-0013	EA		Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	100.07	26.47
23 09 23 27-0014	EA		Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	103.02	26.47
23 09 23 27-0015	EA		Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	95.26	26.47

23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)

23 09 23 27-0017	EA		5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	117.34	51.19
23 09 23 27-0018	EA		Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	264.89	51.19

23 09 23 27-0019 Peco Thermostats (23 09 23 27)

23 09 23 27-0020	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	279.00	12.41
23 09 23 27-0021	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	248.41	12.41

23 09 23 53 Proprietary Control Systems (23 09 23)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 09 23 53-0001		EMCS General Costs (23 09 23 53)			
23 09 23 53-0002		EMCS System Design Engineering (23 09 23 53-0001)			
		Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.			
23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities.....	204.68		
23 09 23 53-0004	HR	EMCS Engineering Project Management.....	204.68		
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout.....	217.09		
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming.....	217.09		
23 09 23 53-0007	HR	EMCS Graphics Picture Creation.....	139.60		
23 09 23 53-0008	HR	EMCS System Controls Training.....	204.68		
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician.....	204.68		
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet.....	170.61		
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel).....	176.82		
23 09 23 53-0012		Field Tests, Checkout And Commissioning (23 09 23 53-0001)			
		Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.			
23 09 23 53-0013	PNT	EMCS Field Test.....	108.58		
		Note: Priced per point.			
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup.....	108.58		
		Note: Priced per point.			
23 09 23 53-0015	PNT	EMCS Field Commissioning.....	108.58		
		Note: Priced per point.			
23 09 23 53-0016	EA	EMCS Field Balance Support.....	93.03		
		Note: Priced per controller.			
23 09 23 53-0017		EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)			
		Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.			
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout.....	36.22		
		Note: Priced per point.			
23 09 23 53-0019		Alerton Controls (23 09 23 53)			
23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	8,531.75		
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	11,200.19		
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	29,630.96		
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	22,018.25		
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	58,078.42		
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	45,624.84		
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	70,098.46		
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	1,860.53		
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	26,073.01		
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	18,848.95		
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	11,144.11		
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	6,564.46		
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	2,438.82		
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	4,678.57	198.48	
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	6,966.23	264.64	
23 09 23 53-0035	EA	Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	6,868.46	264.64	
23 09 23 53-0036	EA	V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,314.61	198.48	
23 09 23 53-0037	EA	1 MS/TP, BACTalk Control Module (Alerton 715000300).....	2,887.57	198.48	
23 09 23 53-0038	EA	Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,138.31	198.48	
23 09 23 53-0039	EA	1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	2,756.16	198.48	
23 09 23 53-0040	EA	Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	7,058.53	198.48	
23 09 23 53-0041	EA	BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	2,889.83	264.64	
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX).....	6,456.78	529.28	
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	7,710.89	529.28	
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,039.11	58.93	
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	1,813.78	198.48	
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	1,946.01	198.48	
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,489.24	198.48	
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,673.56	198.48	
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	1,665.54	198.48	
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	2,723.31	198.48	
23 09 23 53-0051	EA	16 Inputs, BACTalk Field Controller (Alerton VLC-1600).....	1,994.89	198.48	
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,062.13	264.64	
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,324.32	132.33	
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,271.42	132.33	
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R).....	1,685.57	198.48	
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R).....	1,685.57	198.48	
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853).....	2,112.68	198.48	
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,465.27	264.64	
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,761.70	198.48	

	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0060	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	132.25	7.44
23 09 23 53-0061	EA		One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	225.53	7.44
23 09 23 53-0062	EA		One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	603.76	7.44
23 09 23 53-0063	EA		Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	603.76	7.44
23 09 23 53-0064	EA		Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	465.94	7.44
23 09 23 53-0065	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	145.40	7.44
23 09 23 53-0066	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	638.22	7.44
23 09 23 53-0067	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	718.37	7.44
23 09 23 53-0068	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,715.29	198.48
23 09 23 53-0069	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	2,912.41	198.48
23 09 23 53-0070	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,742.54	198.48
23 09 23 53-0071	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	7,282.60	
23 09 23 53-0072	EA		Global Controller Base Unit (Alerton ACM).....	3,972.41	198.48
23 09 23 53-0073	EA		External Battery Pack For ACM (Alerton ACM-BATT).....	862.72	110.40
23 09 23 53-0074	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	717.73	
23 09 23 53-0075	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	820.46	7.44

23 09 23 53-0076 Automated Logic Controls (23 09 23 53)

23 09 23 53-0077	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	3,113.28	198.48
23 09 23 53-0078	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	6,647.98	595.45
23 09 23 53-0079	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,020.22	198.48
23 09 23 53-0080	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	4,586.10	264.64
23 09 23 53-0081	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	4,504.53	264.64
23 09 23 53-0082	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	7,051.32	529.28
23 09 23 53-0083	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	3,974.31	264.64
23 09 23 53-0084	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	4,124.77	198.48
23 09 23 53-0085	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	6,561.89	529.28
23 09 23 53-0086	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,314.11	132.33
23 09 23 53-0087	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,406.07	132.33
23 09 23 53-0088	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,384.82	132.33
23 09 23 53-0089	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,293.05	132.33
23 09 23 53-0090	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	1,808.13	198.48
23 09 23 53-0091	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	12,670.75	
23 09 23 53-0092	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	7,694.86	
23 09 23 53-0093	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	10,858.11	

23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)

23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	399.36	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-20.67	
			For >200, Deduct	-41.31	
23 09 23 53-0097	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	399.36	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-20.67	
			For >200, Deduct	-41.31	
23 09 23 53-0098	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	399.36	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-20.67	
			For >200, Deduct	-41.31	
23 09 23 53-0099	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	399.36	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-20.67	
			For >200, Deduct	-41.31	
23 09 23 53-0100	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	454.74	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-23.75	
			For >200, Deduct	-47.46	
23 09 23 53-0101	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	454.74	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-23.75	
			For >200, Deduct	-47.46	
23 09 23 53-0102	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	454.74	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-23.75	
			For >200, Deduct	-47.46	
23 09 23 53-0103	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	466.67	8.27
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-24.42	
			For >200, Deduct	-48.79	
23 09 23 53-0104	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	32.67	8.27
			Note: Optional cover.		
			For >50 To 200, Deduct	-1.36	
			For >200, Deduct	-2.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0105	EA		Green Box Controller (Cypress Envirosystems GBC-800-001) Note: One unit for up to 100 thermostats.	4,388.09	8.27
			<i>For 2, Deduct</i>	-225.59	
			<i>For >2, Deduct</i>	-450.76	
23 09 23 53-0106	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	330.24	8.27
			<i>For 2, Deduct</i>	-17.90	
			<i>For >2, Deduct</i>	-35.77	
23 09 23 53-0107	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	572.55	8.27
			<i>For >5 To 10, Deduct</i>	-29.53	
			<i>For >10, Deduct</i>	-59.02	
23 09 23 53-0108	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	700.42	8.27
			<i>For >5 To 10, Deduct</i>	-34.34	
			<i>For >10, Deduct</i>	-68.63	
23 09 23 53-0109			Delta Controls <small>(23 09 23 53)</small>		
23 09 23 53-0110			Software <small>(23 09 23 53-0109)</small> Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,714.15	
23 09 23 53-0112	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	2,912.58	
23 09 23 53-0113	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	6,310.59	
23 09 23 53-0114	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	9,966.46	
23 09 23 53-0115	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	5,112.16	
23 09 23 53-0116	EA		Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,714.15	
23 09 23 53-0117	EA		100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	4,141.30	
23 09 23 53-0118	EA		1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	5,112.16	
23 09 23 53-0119	EA		KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,796.80	82.71
23 09 23 53-0120	EA		Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	1,974.80	
23 09 23 53-0121			EMCS Central Equipment And Controllers <small>(23 09 23 53-0109)</small>		
23 09 23 53-0122	EA		Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	6,124.54	330.80
23 09 23 53-0123	EA		Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	4,571.16	330.80
23 09 23 53-0124	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	3,277.49	330.80
23 09 23 53-0125	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	3,277.49	330.80
23 09 23 53-0126	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	3,277.49	330.80
23 09 23 53-0127	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	3,040.91	330.80
23 09 23 53-0128	EA		VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,091.22	165.40
23 09 23 53-0129	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	986.85	165.40
23 09 23 53-0130	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,056.09	165.40
23 09 23 53-0131	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	986.85	165.40
23 09 23 53-0132	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	2,380.39	206.75
23 09 23 53-0133	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	585.29	82.71
23 09 23 53-0134	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	629.29	82.71
23 09 23 53-0135	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	743.42	82.71
23 09 23 53-0136			Network, VAV And Special Sensors <small>(23 09 23 53-0109)</small>		
23 09 23 53-0137	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	197.16	26.47
23 09 23 53-0138	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	268.60	29.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0139	EA			Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	534.11	12.41
23 09 23 53-0140 Honeywell Controls <small>(23 09 23 53)</small>						
23 09 23 53-0141 EMCS Central Equipment And Controllers <small>(23 09 23 53-0140)</small>						
23 09 23 53-0142 EMCS Network Area Controllers (BACnet Or Lon) <small>(23 09 23 53-0141)</small>						
Note: Includes loading software, software license, loading data base and mounting on wall.						
23 09 23 53-0143	EA			Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004).....	8,566.05	403.17
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.						
23 09 23 53-0144	EA			Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022).....	5,790.41	403.17
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).						
23 09 23 53-0145	EA			Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201).....	4,383.31	403.17
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.						
23 09 23 53-0146	EA			Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ).....	5,503.03	403.17
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.						
23 09 23 53-0147	EA			Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	4,344.76	403.17
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.						
23 09 23 53-0148	EA			Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU).....	4,344.76	403.17
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.						
23 09 23 53-0149	EA			16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	4,732.02	403.17
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0150	EA			16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	5,138.55	403.17
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0151	EA			16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	4,732.02	403.17
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0152	EA			16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,138.55	403.17
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0153	EA			34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	5,142.06	403.17
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0154	EA			34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	5,548.59	403.17
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.						
23 09 23 53-0155	EA			34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	5,142.06	403.17
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.						
23 09 23 53-0156	EA			34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,548.59	403.17
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.						
23 09 23 53-0157	EA			Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	5,483.76	403.17
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.						
23 09 23 53-0158	EA			Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	6,841.79	403.17
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.						
23 09 23 53-0159	EA			Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	7,260.59	403.17
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.						
23 09 23 53-0160	EA			Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	8,618.62	403.17
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.						
23 09 23 53-0161	EA			Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	7,279.87	403.17
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.						

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) .....9,868.01	403.17
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.			
23 09 23 53-0163		EMCS Network Interfaces (23 09 23 53-0141)	
Note: Includes installation, start-up and tech labor.			
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) .....1,248.63	111.65
Note: For desktop computer.			
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) .....1,060.26	74.43
Note: For laptop computer.			
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010) .....1,350.42	139.60
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002) .....2,078.50	201.63
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008) .....1,063.92	201.63
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B) .....75.47	24.81
23 09 23 53-0170		DDC Application Specific Controller Assemblies (23 09 23 53-0141)	
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.			
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....1,962.58	576.84
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....1,652.44	341.55
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....2,092.83	576.84
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....1,782.71	375.47
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....2,316.38	642.01
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....2,083.74	481.32
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....2,772.23	642.01
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....2,446.64	491.25
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....1,731.59	642.01
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....1,421.45	379.60
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....1,902.20	642.01
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....1,591.99	427.57
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....2,327.03	642.01
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....2,010.70	378.77
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....2,497.64	642.01
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....2,181.23	426.73
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....2,952.78	642.01
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....2,670.61	410.20
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies .....3,294.02	642.01
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies .....3,011.76	480.50
23 09 23 53-0191		DDC Programmable Controller Assemblies (23 09 23 53-0141)	
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.			
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....1,985.81	493.15
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....2,318.06	493.15
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....3,124.10	579.98
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....3,456.35	579.98
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies .....5,740.34	679.23
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies .....6,124.41	679.23
23 09 23 53-0198		EMCS Optional DDC Controller Hardware (23 09 23 53-0141)	
Note: Used to expand the capacity of DDC programmable controller assemblies.			
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) .....399.52	
Note: For constant volume single zone and heat pump AHUs.			
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) .....461.73	
Note: For constant volume single zone and heat pump AHUs.			
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) .....483.63	
Note: For constant volume single zone and heat pump AHUs.			
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010) .....456.47	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016) .....463.48	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011) .....452.97	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025) .....389.89	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004) .....339.07	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002) .....496.78	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000) .....444.21	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002) .....490.64	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011) .....1,041.74	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017) .....1,295.83	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002) .....647.47	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010) .....637.84	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027) .....312.79	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016) .....355.72	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001) .....657.11	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001) .....702.67	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B) .....439.83	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B) .....439.83	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B) .....439.83	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B) .....439.83	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)77.98	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	147.19
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	144.56
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	442.46
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	65.71
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	442.46
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	407.41
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	407.41
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	429.31
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	429.31
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	617.69
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	728.96
		Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	1,549.03
		Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	

23 09 23 53-0235 EMCS Software (23 09 23 53-0140)

23 09 23 53-0236 Software Packages And License (23 09 23 53-0235)

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	494.15
		Note: Requires UI services to be installed on NAC.	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,866.31
		Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	5,519.74
		Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	3,285.56
		Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software	3,706.23
		Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)	2,585.46
		Note: One copy is included with WEB-S-AX and WEBStation-AX.	
23 09 23 53-0243	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	4,640.03
		Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)	570.31
		Note: Can be combined with the required single instance of WES-BASE as well as with any combination of other EP points and CP meters.	
23 09 23 53-0245	EA	Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	364.42
		Note: Can be combined with the required single instance of WES-BASE as well as with any number of other EP Points and Cost Profiler meters.	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	25,320.67
		Note: Sold on a per server basis. Purchase of this product must be accompanied by WES-M1-ENT-AX maintenance. The first year price of maintenance is included with WES-ENT-AX.	
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	23,090.03
		Note: The first year cost of WES-M1-ENT-AX is included with WES-ENT-AX. After the first year WES-M1-ENT-AX maintenance fee will be invoiced annually.	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	8,801.80
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	6,567.62
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,898.62
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,898.62
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	13,142.25
		Note: Excludes Oracle.	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500).....	1,752.30
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,898.62
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	4,965.14
		Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,898.62
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	31,834.03
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	58,410.29
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	102,217.79
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	5,256.90
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007).....	2,628.45
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	2,045.75
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	2,260.58
		Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	

23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)

23 09 23 53-0265	PNT	Database Generation For Central Plant.....	55.49
23 09 23 53-0266	PNT	Database Generation For Programmable Controller	55.49
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller.....	55.49
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller	38.62
		Note: Price per copy made.	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	38.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0270			Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271	EA		Basic Application Program Package Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,315.62	
23 09 23 53-0272	EA		Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	77.41	
23 09 23 53-0273	EA		Duty Cycling Program.....	36.56	
23 09 23 53-0274	EA		Hot Deck/Cold Deck Reset Application Program	3,978.16	
23 09 23 53-0275	EA		Boiler Optimization Program	5,213.12	
23 09 23 53-0276	EA		Chiller Optimization Program	7,061.70	
23 09 23 53-0277	EA		Lighting Control Program	3,407.71	
23 09 23 53-0278	EA		Demand Limiting Program	67.90	
			Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279	EA		Email Alarm Server Configuration.....	2,628.90	
23 09 23 53-0280			Color Graphics Generation (23 09 23 53-0235)		
			Note: Priced per page.		
23 09 23 53-0281	EA		Single Site Home Page Graphics Page With HTML Navigation Code	1,387.57	
23 09 23 53-0282	EA		Multi Site Home Page Graphics Page With HTML Navigation Code	2,463.57	
23 09 23 53-0283	EA		Color Graphics Page For Central Plant.....	630.43	
23 09 23 53-0284	EA		Color Graphics Page For Building Floor Plan	582.13	
23 09 23 53-0285	EA		Replication Of Color Graphics Page For Central Plant	316.25	
23 09 23 53-0286	EA		Color Graphics Page For Programmable Controller	709.25	
			Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287	EA		Replication Of Color Graphics Page For Programmable Controller	151.67	
			Note: Priced per copy made.		
23 09 23 53-0288	EA		Color Graphics Page For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	655.99	
23 09 23 53-0289	EA		Replication Of Color Graphics Page For Application Specific Cont	65.58	
			Note: Priced per copy made.		
23 09 23 53-0290			Sensors, Actuators And Control Devices (23 09 23 53-0140)		
			Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0291			Special Sensors (23 09 23 53-0290)		
23 09 23 53-0292	EA		Dewpoint Sensor (Honeywell C7232B1014)	1,542.03	51.19
23 09 23 53-0293	EA		Enthalpy Sensor -25 To 125 F	1,609.73	51.19
23 09 23 53-0294	EA		Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	708.19	102.39
23 09 23 53-0295	EA		Freezestat (Honeywell L482A1004).....	482.88	170.61
23 09 23 53-0296	EA		Wall Mounted Occupancy Sensor.....	352.25	51.19
23 09 23 53-0297	EA		Ceiling Mounted Occupancy Sensor.....	277.61	51.19
23 09 23 53-0298	EA		I/P Positioner With Gauge.....	327.33	51.19
23 09 23 53-0299	EA		Non Communicating Duct Mounted Smoke Detector With Sampling Tube	391.60	51.19
23 09 23 53-0300	EA		EP Transducer.....	327.33	34.15
23 09 23 53-0301	EA		Electric Heat Sequencer	517.16	68.22
23 09 23 53-0302			Meters (23 09 23 53-0290)		
23 09 23 53-0303	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	3,340.64	409.37
23 09 23 53-0304	EA		208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	4,834.49	477.60
23 09 23 53-0305	EA		1 To 300 Amperes, Current Transformer For KW Meter	1,150.23	170.61
23 09 23 53-0306	EA		300 To 800 Amperes, Current Transformer For KW Meter.....	1,324.66	170.61
23 09 23 53-0307	EA		800 To 2,400 Amperes, Current Transformer For KW Meter	1,659.19	170.61
23 09 23 53-0308			Direct Coupled Actuators (23 09 23 53-0290)		
23 09 23 53-0309	EA		44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	438.84	63.68
23 09 23 53-0310	EA		88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	487.98	63.68
23 09 23 53-0311	EA		175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	572.48	63.68
23 09 23 53-0312	EA		44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	410.08	63.68
23 09 23 53-0313	EA		88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	462.93	63.68
23 09 23 53-0314	EA		175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	515.27	63.68
23 09 23 53-0315	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	465.82	63.68
23 09 23 53-0316	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	541.18	63.68
23 09 23 53-0317	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	622.52	63.68
23 09 23 53-0318	EA		44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	370.88	63.68
23 09 23 53-0319	EA		88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	411.00	63.68
23 09 23 53-0320	EA		175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	491.62	63.68
23 09 23 53-0321	EA		175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	529.56	63.68
23 09 23 53-0322	EA		300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	529.09	63.68
23 09 23 53-0323	EA		300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	633.15	63.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0324	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	387.32	63.68
23 09 23 53-0325	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	691.99	63.68
23 09 23 53-0326	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	287.19	63.68
23 09 23 53-0327	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	444.66	63.68

23 09 23 53-0328 Thermostats (23 09 23 53-0140)

23 09 23 53-0329 Electric And Electronic Thermostats (23 09 23 53-0328)

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 53-0330	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	153.21	12.41
23 09 23 53-0331	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	165.66	12.41
23 09 23 53-0332	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	151.83	12.41
23 09 23 53-0333	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	170.78	12.41
23 09 23 53-0334	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	185.03	12.41
23 09 23 53-0335	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	276.36	12.41
23 09 23 53-0336	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	406.43	12.41
23 09 23 53-0337	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	663.60	12.41
23 09 23 53-0338	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	708.28	12.41

23 09 23 53-0339 Pneumatic Thermostats (23 09 23 53-0328)

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.

23 09 23 53-0340	EA	Pneumatic Thermostat (Honeywell TP970B2182)	216.95	12.41
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23 09 23 53-0341 Thermostats Guards (23 09 23 53-0328)

23 09 23 53-0342	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	51.72	12.41
23 09 23 53-0343	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	62.10	12.41
23 09 23 53-0344	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	58.36	12.41

23 09 23 53-0345 Johnson Controls (23 09 23 53)

23 09 23 53-0346 Software (23 09 23 53-0345)

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0347	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	14,057.76	
23 09 23 53-0348	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	16,629.07	
23 09 23 53-0349	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	801.51	
23 09 23 53-0350	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,225.27	
23 09 23 53-0351	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	2,186.57	
23 09 23 53-0352	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	808.69	
23 09 23 53-0353	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	804.37	
23 09 23 53-0354	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	279.72	

23 09 23 53-0355 Supervisory Controllers (23 09 23 53-0345)

23 09 23 53-0356	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	5,963.50	330.80
23 09 23 53-0357	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	9,354.62	330.80
23 09 23 53-0358	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	12,753.25	330.80
23 09 23 53-0359	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	4,657.26	330.80

23 09 23 53-0360 Controllers (23 09 23 53-0345)

23 09 23 53-0361	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	691.16	82.71
23 09 23 53-0362	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	917.28	165.40
23 09 23 53-0363	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,180.54	165.40
23 09 23 53-0364	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,406.65	165.40
23 09 23 53-0365	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	561.44	82.71
23 09 23 53-0366	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	619.09	82.71
23 09 23 53-0367	EA	BACnet MS/TP 12 Point I/O Module With 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	705.58	82.71
23 09 23 53-0368	EA	17 Point I/O Module With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	717.11	82.71
23 09 23 53-0369	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,465.48	165.40

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0370	EA		32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	702.50	82.71
23 09 23 53-0371	EA		32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,032.07	82.71
Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications					
23 09 23 53-0372	Master FX Controllers (23 09 23 53-0345)				
23 09 23 53-0373	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,863.27	165.40
23 09 23 53-0374	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	2,000.04	165.40
23 09 23 53-0375	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,068.00	165.40
23 09 23 53-0376	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,026.69	165.40
23 09 23 53-0377	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,962.15	165.40
23 09 23 53-0378	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,972.50	165.40
23 09 23 53-0379	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,962.15	165.40
23 09 23 53-0380	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,000.18	165.40
23 09 23 53-0381	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,118.30	165.40
23 09 23 53-0382	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,197.04	165.40
23 09 23 53-0383	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,157.66	165.40
23 09 23 53-0384	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,077.07	165.40
23 09 23 53-0385	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,000.18	165.40
23 09 23 53-0386	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,118.30	165.40
23 09 23 53-0387	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,197.04	165.40
23 09 23 53-0388	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,157.66	165.40
23 09 23 53-0389	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,077.07	165.40
23 09 23 53-0390	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	222.21	41.35
23 09 23 53-0391	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	319.11	41.35
23 09 23 53-0392	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	249.41	41.35
23 09 23 53-0393	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	222.21	41.35
23 09 23 53-0394	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	616.55	41.35
23 09 23 53-0395	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	566.70	41.35
23 09 23 53-0396	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	578.38	41.35
23 09 23 53-0397	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	578.38	41.35
23 09 23 53-0398	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	636.67	41.35
23 09 23 53-0399	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	636.67	41.35
23 09 23 53-0400	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	804.27	41.35
23 09 23 53-0401	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	804.27	41.35
23 09 23 53-0402	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	898.99	41.35
23 09 23 53-0403	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	898.99	41.35
23 09 23 53-0404	VAV, Network And Special Sensors (23 09 23 53-0345)				
23 09 23 53-0405	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	425.49	26.47
23 09 23 53-0406	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	139.57	26.47
23 09 23 53-0407	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	328.35	26.47
23 09 23 53-0408	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	493.22	26.47
23 09 23 53-0409	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	160.98	26.47
23 09 23 53-0410	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	446.74	26.47
23 09 23 53-0411	Sensors - Hard Wired Type (23 09 23 53-0345)				
23 09 23 53-0412	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDRC00).....	132.00	47.64
23 09 23 53-0413	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	115.09	26.47
23 09 23 53-0414	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	330.25	12.41
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.					
23 09 23 53-0415	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	448.58	12.41
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0416	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	330.90	12.41
			Note: For VVT systems.		
23 09 23 53-0417	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	436.18	26.47
23 09 23 53-0418	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	538.59	26.47
23 09 23 53-0419			Siemens Controls (23 09 23 53)		
23 09 23 53-0420	EA		Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	318.59	12.41
23 09 23 53-0421	EA		Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	223.68	12.41
23 09 23 53-0422	EA		SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	226.51	55.87
23 09 23 53-0423	EA		-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	347.68	55.87
23 09 23 53-0424	EA		Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	54.10	8.27
23 09 23 53-0425	EA		Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	180.68	82.71
23 09 23 53-0426	EA		3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	294.43	13.93
23 09 23 53-0427	EA		1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	519.16	25.28
23 09 23 53-0428	EA		1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,051.38	25.28
23 09 23 53-0429	EA		1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	886.67	32.03
23 09 23 53-0430	EA		36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	228.03	47.64
23 09 23 53-0431	EA		-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	193.61	26.47
23 09 23 53-0432	EA		Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	988.68	132.33
23 09 23 53-0433	EA		9-Pin, Female To RJ-11 Cable (Siemens 540-143)	77.51	4.13
23 09 23 53-0434	EA		Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,147.40	132.33
23 09 23 53-0435	EA		MMI Extension Cable (Siemens 545-712)	167.58	4.13
23 09 23 53-0436	EA		Remote Pressure Transmitter (Siemens 547-003)	1,031.76	26.47
23 09 23 53-0437	EA		Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	672.05	66.16
23 09 23 53-0438	EA		BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	544.39	66.16
23 09 23 53-0439	EA		Door Lock And Key Assembly (Siemens 567-225)	29.56	16.54
23 09 23 53-0440	EA		Insight Advanced Software Package (Siemens 571-010-381-USB)	10,478.56	
			Note: Includes one user license and one sentinel key.		
23 09 23 53-0441	EA		BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	360.05	
23 09 23 53-0442	EA		Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	2,300.28	
23 09 23 53-0443	EA		1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	345.70	8.41
23 09 23 53-0444	EA		2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	729.10	14.57
23 09 23 53-0445	EA		Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	9,448.31	330.80
23 09 23 53-0446	EA		SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	10,675.80	330.80
23 09 23 53-0447	EA		7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	125.14	12.41
23 09 23 53-0448	EA		Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	440.84	63.68
23 09 23 53-0449	EA		Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	462.14	63.68
23 09 23 53-0450	EA		License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	3,050.08	
23 09 23 53-0451	EA		License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	615.89	
23 09 23 53-0452	EA		License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	1,982.19	
23 09 23 53-0453	EA		License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,418.97	
23 09 23 53-0454	EA		License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,219.82	
23 09 23 53-0455	EA		License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,606.33	
23 09 23 53-0456	EA		16-Switch HOA Upgrade Kit (Siemens PXA16-M)	572.94	1.65
23 09 23 53-0457	EA		16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	639.49	6.62
23 09 23 53-0458	EA		8-Switch HOA Upgrade Kit (Siemens PXA8-M)	323.75	1.65
23 09 23 53-0459	EA		18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	345.13	16.54
23 09 23 53-0460	EA		19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	584.31	16.54
23 09 23 53-0461	EA		34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	794.35	16.54
23 09 23 53-0462	EA		Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	28.07	8.27
23 09 23 53-0463	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	729.17	41.35
23 09 23 53-0464	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,071.44	41.35
23 09 23 53-0465	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	855.27	41.35
23 09 23 53-0466	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,215.57	41.35
23 09 23 53-0467	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	5,307.78	463.13
23 09 23 53-0468	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	4,557.27	132.33
23 09 23 53-0469	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	7,096.80	529.28
23 09 23 53-0470	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,401.64	248.11
23 09 23 53-0471	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,645.98	248.11
23 09 23 53-0472	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,484.08	248.11
23 09 23 53-0473	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	3,056.25	264.64
23 09 23 53-0474	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,224.96	264.64
23 09 23 53-0475	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	3,183.11	264.64
23 09 23 53-0476	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,334.27	264.64
23 09 23 53-0477	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	3,179.30	264.64
23 09 23 53-0478	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,333.24	264.64
23 09 23 53-0479	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,931.66	463.13

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 09 23 53-0480	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	7,953.22	529.28
23 09 23 53-0481	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	915.05	
23 09 23 53-0482	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	486.52	33.08
23 09 23 53-0483	EA	Controller Mounted Operator Display Module (Siemens PXM10T).....	553.12	66.16
23 09 23 53-0484	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	601.21	16.54
		Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0485	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	281.01	47.64
23 09 23 53-0486	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	197.24	26.47
23 09 23 53-0487	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	122.69	26.47
23 09 23 53-0488	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	150.35	47.64
23 09 23 53-0489	EA	24" Flexible Averaging Probe (Siemens QAM2012.750).....	252.10	47.64
23 09 23 53-0490	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	194.63	47.64
23 09 23 53-0491	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	2,438.69	266.46
23 09 23 53-0492	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	25.49	8.27
23 09 23 53-0493	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.60	
23 09 23 53-0494	EA	16 Digital Input Module (Siemens TXM1.16D).....	473.34	8.27
23 09 23 53-0495	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	706.46	8.27
23 09 23 53-0496	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,122.48	16.54
23 09 23 53-0497	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	392.33	26.47

23 09 23 53-0498 Trane Controls (23 09 23 53)**23 09 23 53-0499 Software (23 09 23 53-0498)**

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0500	EA	Summit + Building Management Package (Trane 40201152).....	5,204.10	
23 09 23 53-0501	EA	Summit Current Version Software (Trane 40201111).....	2,932.94	
23 09 23 53-0502	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	711.17	
23 09 23 53-0503	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	2,916.41	
23 09 23 53-0504	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	8,075.68	

23 09 23 53-0505 EMCS Central Equipment And Controllers (23 09 23 53-0498)

23 09 23 53-0506	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....	4,395.37	330.80
23 09 23 53-0507	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	10,167.12	330.80
23 09 23 53-0508	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	10,167.12	330.80
23 09 23 53-0509	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	8,913.87	330.80
23 09 23 53-0510	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	10,371.01	330.80
23 09 23 53-0511	EA	Summit CCP Upgrade ROM Kit (Trane 40201095).....	155.26	20.68
23 09 23 53-0512	EA	Summit Comm5 Repeater (Trane 49500457).....	1,196.43	165.40
23 09 23 53-0513	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....	2,048.78	206.75
23 09 23 53-0514	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	2,632.47	248.11
23 09 23 53-0515	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	2,053.36	248.11
23 09 23 53-0516	EA	AHU Controller MP581 Operator Door Display (Trane 40201156).....	1,726.63	248.11
23 09 23 53-0517	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	1,724.11	248.11
23 09 23 53-0518	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	784.47	82.71
23 09 23 53-0519	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	712.48	82.71
23 09 23 53-0520	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,281.07	165.40
23 09 23 53-0521	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,221.37	165.40
23 09 23 53-0522	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	686.11	82.71
23 09 23 53-0523	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	599.43	82.71
23 09 23 53-0524	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	899.41	82.71
23 09 23 53-0525	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	813.20	82.71
23 09 23 53-0526	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	693.83	82.71
23 09 23 53-0527	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	660.41	82.71
23 09 23 53-0528	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	762.38	82.71
23 09 23 53-0529	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	693.83	82.71
23 09 23 53-0530	EA	DDC VAV Retrofit Kit (Trane VRTODD01).....	954.88	165.40
23 09 23 53-0531	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,040.13	165.40

23 09 23 53-0532 Network, VAV And Special Sensors (23 09 23 53-0498)

23 09 23 53-0533	EA	Digital Display Zone Sensor (Trane X13790464010).....	164.43	26.47
23 09 23 53-0534	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	108.56	26.47
23 09 23 53-0535	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	99.14	26.47
23 09 23 53-0536	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	202.98	29.77
23 09 23 53-0537	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	121.41	26.47
23 09 23 53-0538	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....	121.41	26.47
23 09 23 53-0539	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	429.37	47.64
23 09 23 53-0540	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	395.28	26.47
23 09 23 53-0541	EA	Transformer 120/24 40 VA (Trane X13550284010).....	94.43	26.47
23 09 23 53-0542	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	91.06	26.47
23 09 23 53-0543	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	85.68	26.47
23 09 23 53-0544	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,074.89	165.40
23 09 23 53-0545	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,028.90	165.40
23 09 23 53-0546	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	933.05	165.40
23 09 23 53-0547	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	1,673.44	248.11
23 09 23 53-0548	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	933.05	165.40
23 09 23 53-0549	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	981.60	165.40
23 09 23 53-0550	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	985.55	165.40
23 09 23 53-0551	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	352.80	164.70
23 09 23 53-0552	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....	514.91	164.70

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0553	EA			Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	1,877.38	248.11
23 09 23 53-0554	EA			Controller UC600 Tracer TD7 Display (Trane X13651571010)	1,803.34	248.11
23 09 23 53-0555	EA			Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	111.25	32.96
23 09 23 53-0556	EA			Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	406.34	32.96
23 09 23 53-0557	EA			SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	1,923.15	248.11
23 09 23 53-0558	EA			BACnet Term (2 Pack) (Trane X1365152401)	176.15	59.29
23 09 23 53-0559	EA			Tracer ES Add License (Trane X40250125010)	2,301.83	
23 09 23 53-0560	EA			Kit - Tracer TU For Controls (Trane X4509151201)	3,546.98	330.80
23 09 23 53-0561	EA			Kit - Tracer TU Complete (Trane X4509151301)	4,675.01	330.80
23 09 23 53-0562	EA			Tracer TU Adapter Wired/Wireless (Trane X13651529010)	461.53	59.29
23 09 23 53-0563	EA			Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	262.98	59.29
23 09 23 53-0564	EA			Sensor Wireless Display Sensor (Trane X13790822010)	297.97	59.29
23 09 23 53-0565	EA			Sensor Wireless Receiver, 100mW (Trane X13790854010)	266.34	59.29
23 09 23 53-0566	EA			Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X1379091010)	363.05	59.29
23 09 23 53-0567	EA			Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	396.01	59.29

23 09 23 53-0568 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)

23 09 23 53-0569 Current Switches And Current Sensors (23 09 23 53-0568)

23 09 23 53-0570	EA			Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	101.16	26.47
23 09 23 53-0571	EA			Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	105.20	26.47
23 09 23 53-0572	EA			0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	164.43	26.47
23 09 23 53-0573	EA			0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	95.77	26.47
23 09 23 53-0574	EA			0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	301.73	26.47
23 09 23 53-0575	EA			0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	191.12	26.47
23 09 23 53-0576	EA			1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	145.03	26.47
23 09 23 53-0577	EA			0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	145.03	26.47
23 09 23 53-0578	EA			Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,965.47	132.33
23 09 23 53-0579	EA			100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)	1,009.37	26.47
Note: 3 phase networked transducer.						
23 09 23 53-0580	EA			2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	1,536.10	26.47
23 09 23 53-0581	EA			Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	155.86	26.47
23 09 23 53-0582	EA			Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	228.73	70.30
23 09 23 53-0583	EA			Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	229.06	70.30
23 09 23 53-0584	EA			Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	245.21	70.30
23 09 23 53-0585	EA			Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	249.25	70.30
23 09 23 53-0586	EA			Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	272.13	70.30
23 09 23 53-0587	EA			Toggle Switch	92.94	33.08
23 09 23 53-0588	EA			Maintained Pushbutton Switch	99.53	33.08
23 09 23 53-0589	EA			Manual Time Switch	161.67	33.08
23 09 23 53-0590	EA			Emergency Stop Switch	272.79	33.08
23 09 23 53-0591	EA			Float Switch	258.98	33.08
23 09 23 53-0592	EA			Break Glass Switch	862.28	33.08
23 09 23 53-0593	EA			Boiler E-Stop Switch	520.88	33.08

23 09 23 53-0594 Relays (23 09 23 53-0568)

23 09 23 53-0595	EA			DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	82.99	26.47
23 09 23 53-0596	EA			SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	91.26	26.47
23 09 23 53-0597	EA			SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)	129.63	33.08
Note: Box type.						
23 09 23 53-0598	EA			Motor Starter Interface, 300msec Pulse (Kele PIL-2)	165.53	26.47
23 09 23 53-0599	EA			DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	76.98	26.47
23 09 23 53-0600	EA			SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	75.77	26.47
23 09 23 53-0601	EA			SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	82.99	26.47
23 09 23 53-0602	EA			DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	86.77	26.47
23 09 23 53-0603	EA			SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	87.81	26.47
23 09 23 53-0604	EA			SPDT Pilot Relay, Universal (Kele RIBU1C)	94.76	33.08
Note: Box type.						
23 09 23 53-0605	EA			SPST Pilot Relay With HOA Switch (Kele RIBU1S)	128.54	33.08
Note: Box type.						
23 09 23 53-0606	EA			SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	232.75	33.08
23 09 23 53-0607	EA			SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	231.25	33.08

23 09 23 53-0608 Surge Protectors (23 09 23 53-0568)

23 09 23 53-0609	EA			Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	244.41	6.62
23 09 23 53-0610	EA			Surge Protector, 1AC Outlet (Transtector TR2251)	184.29	6.62
23 09 23 53-0611	EA			Surge Protector, 2 AC Outlets (Transtector TR2254)	287.74	6.62
23 09 23 53-0612	EA			Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	154.93	6.62
23 09 23 53-0613	EA			Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	154.93	6.62
23 09 23 53-0614	EA			Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	154.93	6.62
23 09 23 53-0615	EA			Surge Protector, Individual Wire Connection (Transtector TR2258)	224.85	6.62
23 09 23 53-0616	EA			Surge Protector, Trane Communication Links (Transtector TR2257)	138.15	6.62

23 09 23 53-0617 Transformers (23 09 23 53-0568)

23 09 23 53-0618	EA			50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	100.27	26.47
23 09 23 53-0619	EA			75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	109.67	26.47
23 09 23 53-0620	EA			75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	109.67	26.47
23 09 23 53-0621	EA			100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	118.17	26.47
23 09 23 53-0622	EA			100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	123.41	26.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0623			Power Supplies (23 09 23 53-0568)		
23 09 23 53-0624	EA		Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	153.13	26.47
23 09 23 53-0625	EA		AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	179.21	26.47
23 09 23 53-0626	EA		DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	167.45	26.47
23 09 23 53-0627	EA		DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	173.01	26.47
23 09 23 53-0628	EA		DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	168.06	26.47
23 09 23 53-0629	EA		DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	176.35	26.47
23 09 23 53-0630	EA		DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	130.72	26.47
23 09 43			Pneumatic Control System For HVAC (23 09)		
23 09 43 00-0001			Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002			Polyurethane Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0003	LF		1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	1.70	0.66
23 09 43 00-0004	LF		5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.18	0.68
23 09 43 00-0005	LF		3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	2.86	0.70
23 09 43 00-0006	LF		1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.64	0.72
23 09 43 00-0007			Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0008	LF		1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.52	0.66
23 09 43 00-0009	LF		5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.64	0.68
23 09 43 00-0010	LF		3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.88	0.70
23 09 43 00-0011	LF		1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.35	0.72
23 09 43 00-0012			Nylon Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0013	LF		1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	1.81	0.64
23 09 43 00-0014	LF		1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	2.41	0.66
23 09 43 00-0015	LF		3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	3.66	0.70
23 09 43 00-0016	LF		1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	4.71	0.72
23 09 43 00-0017			Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018	LF		1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	1.77	0.66
23 09 43 00-0019	LF		3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.88	0.70
23 09 43 00-0020	LF		1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.48	0.72
23 09 43 00-0021	LF		5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.25	0.74
23 09 43 00-0022	LF		3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.81	0.76
23 09 43 00-0023	LF		1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.61	0.78
23 09 43 00-0024			Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025	LF		5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.41	0.74
23 09 43 00-0026	LF		3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	2.80	0.76
23 09 43 00-0027	LF		1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.51	0.78
23 09 43 00-0028			Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029	LF		1/4" Outside Diameter Copper Pneumatic Tubing.....	3.89	1.42
23 09 43 00-0030	LF		3/8" Outside Diameter Copper Pneumatic Tubing.....	4.80	1.64
23 09 43 00-0031	LF		1/2" Outside Diameter Copper Pneumatic Tubing.....	5.58	1.89
23 09 43 00-0032	LF		5/8" Outside Diameter Copper Pneumatic Tubing.....	6.98	2.17
23 09 43 00-0033	LF		3/4" Outside Diameter Copper Pneumatic Tubing.....	7.92	2.50
23 09 43 00-0034			Brass Couplings (23 09 43 00-0001)		
23 09 43 00-0035			Straight Brass Couplings (23 09 43 00-0034)		
			Note: Barb x Barb		
23 09 43 00-0036	EA		1/4" x 1/4" Straight Brass Coupling.....	7.82	3.60
23 09 43 00-0037	EA		3/8" x 1/4" Straight Brass Coupling.....	7.92	3.60
23 09 43 00-0038	EA		3/8" x 3/8" Straight Brass Coupling.....	8.02	3.60
23 09 43 00-0039			Elbow Brass Couplings (23 09 43 00-0034)		
			Note: Barb x Barb		
23 09 43 00-0040	EA		1/4" x 1/4" Elbow Brass Coupling.....	8.38	3.60
23 09 43 00-0041	EA		3/8" x 3/8" Elbow Brass Coupling.....	8.72	3.60
23 09 43 00-0042			Tee Brass Couplings (23 09 43 00-0034)		
			Note: Barb x Barb		
23 09 43 00-0043	EA		1/4" x 1/4" x 1/4" Tee Brass Coupling.....	12.76	5.60
23 09 43 00-0044	EA		3/8" x 3/8" x 1/4" Tee Brass Coupling.....	14.78	6.00
23 09 43 00-0045	EA		3/8" x 3/8" x 3/8" Tee Brass Coupling.....	14.42	6.00

23 10 Facility Fuel Systems (23)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 Facility Fuel Piping (23 10)

23 11 23 Facility Natural-Gas Piping (23 11)

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)

23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	4.54	1.40
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.00	1.52
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.01	1.65
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.65	1.74
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.04	1.83
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	13.90	1.90
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	18.91	2.03

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)

23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.57	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	21.57	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.12	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.12	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.97	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.91	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.91	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.97	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.70	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	201.15	

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	20.84	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.12	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.12	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.97	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.97	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.14	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.14	

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.40	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.79	

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.38	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.64	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.22	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.57	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.66	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	221.20	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	368.23	

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.52	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.20	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	105.86	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	183.42	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	197.28	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	226.74	

23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 11 Facility Fuel Piping

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
23 11 23 00-0049 EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	26.25
23 11 23 00-0050 EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.10
23 11 23 00-0051 EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.52
23 11 23 00-0052 EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.08
23 11 23 00-0053 EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.69
23 11 23 00-0054	Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0055 EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.06
23 11 23 00-0056 EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.79
23 11 23 00-0057 EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.21
23 11 23 00-0058 EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.68
23 11 23 00-0059 EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.68
23 11 23 00-0060	Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0061 EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.15
23 11 23 00-0062 EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.28
23 11 23 00-0063 EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.57
23 11 23 00-0064 EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.63
23 11 23 00-0065 EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.65
23 11 23 00-0066 EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	117.91
23 11 23 00-0067 EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	147.49
23 11 23 00-0068	Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0069 EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.87
23 11 23 00-0070 EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.94
23 11 23 00-0071 EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	53.16
23 11 23 00-0072 EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.02
23 11 23 00-0073 EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	102.22
23 11 23 00-0074 EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	141.95
23 11 23 00-0075 EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	180.06
23 11 23 00-0076	Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
23 11 23 00-0077 EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.63
23 11 23 00-0078 EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.87
23 11 23 00-0079 EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.13
23 11 23 00-0080 EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	71.80
23 11 23 00-0081 EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	141.03
23 11 23 00-0082 EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	225.51
23 11 23 00-0083	Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
Note: Includes mounting plate.		
23 11 23 00-0084 EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.79
23 11 23 00-0085 EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.98
23 11 23 00-0086 EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.82
23 11 23 00-0087 EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	23.90
23 11 23 00-0088 EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	24.89
23 11 23 00-0089 EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.78
23 11 23 00-0090 EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.07
23 11 23 00-0091	Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)	
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092 EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.68
23 11 23 00-0093 EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	76.75

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0094	Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.98	12.90
23 11 23 00-0096	EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	55.73	15.33
23 11 23 00-0097	EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.49	18.44
23 11 23 00-0098	EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.31	24.62
23 11 23 00-0099	Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	Note: Includes mounting hardware.		
23 11 23 00-0100	EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.04	15.33
23 11 23 00-0101	EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.76	18.44
23 11 23 00-0102	EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.51	15.33
23 11 23 00-0103	EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.65	18.44
23 11 23 00-0104	EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	130.09	46.08
23 11 23 00-0105	Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106	EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.66	15.33
23 11 23 00-0107	EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	62.66	15.33
23 11 23 00-0108	EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.42	15.33
23 11 23 00-0109	EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.56	18.44
23 11 23 00-0110	EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	95.56	18.44
23 11 23 00-0111	EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.85	24.62
23 11 23 00-0112	EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	163.58	27.64
23 11 23 00-0113	EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.69	15.33
23 11 23 00-0114	EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	216.77	18.44
23 11 23 00-0115	EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	531.44	27.64
23 11 23 00-0116	Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) <small>(23 11 23)</small>		
23 11 23 00-0117	3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118	EA 12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	41.55	11.06
23 11 23 00-0119	EA 18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	46.96	11.79
23 11 23 00-0120	EA 24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	52.11	11.79
23 11 23 00-0121	EA 30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	55.10	12.53
23 11 23 00-0122	EA 36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	59.10	12.53
23 11 23 00-0123	EA 48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	68.97	13.27
23 11 23 00-0124	EA 60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	77.87	13.27
23 11 23 00-0125	EA 72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	86.66	14.01
23 11 23 00-0126	3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127	EA 12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	41.55	11.06
23 11 23 00-0128	EA 18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	46.96	11.79
23 11 23 00-0129	EA 24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	52.11	11.79
23 11 23 00-0130	EA 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	55.10	12.53
23 11 23 00-0131	EA 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	59.10	12.53
23 11 23 00-0132	EA 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	68.97	13.27
23 11 23 00-0133	EA 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	77.87	13.27
23 11 23 00-0134	EA 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	86.66	14.01
23 11 23 00-0135	3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0136	EA 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	41.55	11.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	46.96		11.79
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	52.11		11.79
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	55.10		12.53
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	59.10		12.53
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	68.97		13.27
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	77.87		13.27
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	86.66		14.01
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	41.55		11.06
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	46.96		11.79
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	66.88		11.79
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	55.10		12.53
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	59.10		12.53
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	68.97		13.27
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	77.87		13.27
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	86.66		14.01
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	47.24		11.06
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	54.03		11.79
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	52.11		11.79
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	64.12		12.53
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	59.10		12.53
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	68.97		13.27
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	77.87		13.27
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	86.66		14.01
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	41.55		11.06
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	60.47		11.79
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	55.10		12.53
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	59.10		12.53
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	68.97		13.27
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	92.92		13.27
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	86.66		14.01
23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)			
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	41.55		11.06
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	46.96		11.79
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	52.11		11.79
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	55.10		12.53
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	59.10		12.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0176	EA		48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	68.97	13.27
23 11 23 00-0177	EA		60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	77.87	13.27
23 11 23 00-0178	EA		72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	86.66	14.01
23 11 23 00-0179			3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0180	EA		12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	41.55	11.06
23 11 23 00-0181	EA		18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	46.96	11.79
23 11 23 00-0182	EA		24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	52.11	11.79
23 11 23 00-0183	EA		30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	55.10	12.53
23 11 23 00-0184	EA		36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	59.10	12.53
23 11 23 00-0185	EA		48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	68.97	13.27
23 11 23 00-0186	EA		60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	77.87	13.27
23 11 23 00-0187	EA		72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	86.66	14.01
23 11 23 00-0188			3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0189	EA		18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	54.03	11.79
23 11 23 00-0190	EA		24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	52.11	11.79
23 11 23 00-0191	EA		30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	64.12	12.53
23 11 23 00-0192	EA		36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	69.07	12.53
23 11 23 00-0193	EA		48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	81.64	13.27
23 11 23 00-0194			1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0195	EA		12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	41.55	11.06
23 11 23 00-0196	EA		18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	46.96	11.79
23 11 23 00-0197	EA		24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	46.20	11.79
23 11 23 00-0198	EA		30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	55.10	12.53
23 11 23 00-0199	EA		36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	52.03	12.53
23 11 23 00-0200	EA		48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	71.12	13.27
23 11 23 00-0201	EA		60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	77.87	13.27
23 11 23 00-0202	EA		72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	86.66	14.01
23 11 23 00-0203			1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204	EA		12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	41.55	11.06
23 11 23 00-0205	EA		18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	42.14	11.79
23 11 23 00-0206	EA		24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	42.95	11.79
23 11 23 00-0207	EA		30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	55.10	12.53
23 11 23 00-0208	EA		36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	59.10	12.53
23 11 23 00-0209	EA		48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	59.75	13.27
23 11 23 00-0210	EA		60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	77.87	13.27
23 11 23 00-0211	EA		72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	86.66	14.01
23 11 23 00-0212			1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213	EA		12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	41.55	11.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	46.96		11.79
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	52.11		11.79
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	55.10		12.53
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	47.12		12.53
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	68.97		13.27
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	77.87		13.27
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	86.66		14.01
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	61.82		11.06
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	67.19		11.79
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	72.35		11.79
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	75.31		12.53
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	79.49		12.53
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	88.73		13.27
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	98.45		13.27
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	107.27		14.01
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	69.20		14.75
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	74.57		15.48
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	79.72		15.48
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	82.68		16.22
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	86.85		16.22
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	96.10		16.96
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	105.82		16.96
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	114.64		17.70
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	69.20		14.75
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	74.57		15.48
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	79.72		15.48
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	82.68		16.22
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	86.85		16.22
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	96.10		16.96
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	105.82		16.96
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	114.64		17.70
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	85.68		14.75
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	91.05		15.48
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	96.19		15.48
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	99.15		16.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0253	EA		36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	103.36	16.22
23 11 23 00-0254	EA		48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	112.59	16.96
23 11 23 00-0255	EA		60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	122.31	16.96
23 11 23 00-0256			3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0257	EA		12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	85.68	14.75
23 11 23 00-0258	EA		18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	91.05	15.48
23 11 23 00-0259	EA		24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	96.19	15.48
23 11 23 00-0260	EA		36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	103.36	16.22
23 11 23 00-0261	EA		48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	112.59	16.96
23 11 23 00-0262	EA		60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	122.31	16.96
23 11 23 00-0263			1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0264	EA		12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	85.68	14.75
23 11 23 00-0265	EA		18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	91.05	15.48
23 11 23 00-0266	EA		24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	96.19	15.48
23 11 23 00-0267	EA		30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	99.15	16.22
23 11 23 00-0268	EA		36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	103.36	16.22
23 11 23 00-0269	EA		48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	112.59	16.96
23 11 23 00-0270	EA		60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	122.31	16.96
23 11 23 00-0271	EA		72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	131.11	17.70
23 11 23 00-0272			1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0273	EA		12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	64.85	14.75
23 11 23 00-0274	EA		18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	70.25	15.48
23 11 23 00-0275	EA		24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	75.42	15.48
23 11 23 00-0276	EA		30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	78.34	16.22
23 11 23 00-0277	EA		36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	82.53	16.22
23 11 23 00-0278	EA		48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	91.75	16.96
23 11 23 00-0279	EA		72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	110.25	17.70
23 11 23 00-0280			1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	81.97	15.48
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	88.44	15.48
23 11 23 00-0283			Quarter-Turn, Gas Ball Valve (23 11 23)		
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	34.39	7.84
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	33.12	8.00
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	49.93	8.80
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	33.89	7.84
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	35.49	8.00
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	42.47	8.00
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	44.04	8.40
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	47.59	8.40
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	47.59	8.40
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	36.55	7.84
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	38.15	8.00
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	49.46	8.40

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	38.50	8.00
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	51.94	8.80
23 11 23 00-0298	EA	3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	36.41	7.84
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	33.54	7.84
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	33.11	8.00
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	46.11	8.80
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	66.55	10.00
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	102.05	10.40
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	123.22	12.00
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	155.13	14.40
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	34.65	8.00
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	45.64	8.80

23 11 23 00-0308 Gas Stops (23 11 23)**23 11 23 00-0309 Brass/Bronze Gas Stops** (23 11 23 00-0308)

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	38.72	8.00
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	38.51	8.00
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	50.37	8.80
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	72.14	10.00
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	96.49	10.65
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	122.66	12.32
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	172.55	14.56

23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	53.64	8.00
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	65.26	8.80
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	81.12	10.00
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	105.21	10.65
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	133.61	12.32
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	175.04	14.56
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	347.94	19.68
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	470.56	22.85

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	145.62	8.00
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	170.04	8.00
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	216.15	8.80
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	326.19	10.00
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	586.00	12.32
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,003.55	14.56
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,241.78	19.68
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,877.80	22.85

23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)**23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings** (23 11 26)**23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe** (23 11 26 00-0001)

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	14.57	5.31
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-5.94	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	17.47	6.34
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-7.13	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	23.15	9.36
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.51	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	27.18	10.76
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.84	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	31.71	12.02
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.54	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	43.85	14.69
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.50	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	58.12	17.47
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.67	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	87.72	21.99
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.75	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)**23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows** (23 11 26 00-0011)

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	112.35	52.86
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-59.45	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	132.62	63.47
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-71.35	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	158.72	73.72
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-82.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0016	EA		5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	197.90 -95.85	86.89
23 11 26 00-0017	EA		6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	238.15 -109.62	97.49
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	340.09 -137.03	121.82
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	436.40 -165.02	146.75
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	663.12 -204.62	181.97
23 11 26 00-0021			Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	112.60 -59.45	52.86
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	132.69 -71.35	63.47
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	158.95 -82.94	73.79
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	199.14 -96.76	87.66
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	238.06 -109.62	97.49
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	340.09 -137.03	121.82
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	508.99 -165.02	146.75
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	663.12 -204.62	181.97
23 11 26 00-0030			Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	178.97 -89.18	79.32
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.64 -107.41	95.54
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	251.29 -124.42	110.65
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	311.21 -145.19	131.44
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	369.85 -165.02	146.75
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	463.37 -204.62	181.97
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	691.36 -247.53	220.12
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	905.33 -300.92	267.62
23 11 26 00-0039			Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.63 -89.18	79.32
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	277.65 -107.27	95.39
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	325.20 -124.41	110.65
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	374.15 -145.19	131.44
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	421.82 -165.02	146.75
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	545.56 -204.62	181.97
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	795.02 -247.53	220.12
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,018.33 -300.92	267.62
23 11 26 00-0048			Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	130.17 -59.45	52.86
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	165.30 -71.35	63.47
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	184.07 -82.94	73.79
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	213.93 -96.76	87.66
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	242.50 -109.62	97.49
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	316.99 -137.03	121.82
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	398.79 -165.02	146.75
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	531.81 -204.62	181.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0057			Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)		
23 11 26 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	112.00	52.86
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-59.45	
23 11 26 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	130.60	63.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-71.35	
23 11 26 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	149.40	73.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-82.94	
23 11 26 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	179.97	87.66
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.76	
23 11 26 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	209.27	97.49
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.62	
23 11 26 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	225.43	121.82
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.03	
23 11 26 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	281.44	146.75
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.02	
23 11 26 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	406.35	181.97
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-204.62	
23 11 26 00-0066			Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple	18.55	6.34
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-7.13	
23 11 26 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple	37.04	12.68
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.23	
23 11 26 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple	54.08	9.73
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.94	
23 11 26 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple	64.66	13.67
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-15.37	
23 11 26 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple	58.12	9.72
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-10.97	
23 11 26 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple	72.12	14.62
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-16.44	
23 11 26 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple	88.05	16.37
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.09	
23 11 26 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple	103.97	17.54
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.75	
23 11 26 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple	63.22	20.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-23.02	
23 11 26 00-0076	EA		8" x 24" Fiberglass Reinforced Plastic Nipple	87.18	29.24
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-32.86	
23 11 26 00-0077	EA		10" x 18" Fiberglass Reinforced Plastic Nipple	96.14	20.83
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-23.39	
23 11 26 00-0078	EA		10" x 24" Fiberglass Reinforced Plastic Nipple	144.27	31.13
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-35.04	
23 11 26 00-0079	EA		12" x 18" Fiberglass Reinforced Plastic Nipple	110.17	21.49
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-24.13	
23 11 26 00-0080	EA		12" x 24" Fiberglass Reinforced Plastic Nipple	147.22	32.16
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-36.20	
23 11 26 00-0081			Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)		
23 11 26 00-0082	EA		2" Fiberglass Reinforced Plastic Sleeve Coupling	87.57	52.86
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-59.45	
23 11 26 00-0083	EA		3" Fiberglass Reinforced Plastic Sleeve Coupling	105.24	63.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-71.35	
23 11 26 00-0084	EA		4" Fiberglass Reinforced Plastic Sleeve Coupling	121.96	73.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-82.94	
23 11 26 00-0085	EA		5" Fiberglass Reinforced Plastic Sleeve Coupling	144.74	87.66
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.76	
23 11 26 00-0086	EA		6" Fiberglass Reinforced Plastic Sleeve Coupling	166.24	97.49
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.62	
23 11 26 00-0087	EA		8" Fiberglass Reinforced Plastic Sleeve Coupling	212.15	121.82
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.03	
23 11 26 00-0088	EA		10" Fiberglass Reinforced Plastic Sleeve Coupling	264.87	146.75
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.02	
23 11 26 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling	325.70	181.97
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-204.62	
23 11 26 00-0090			Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)		
23 11 26 00-0091	EA		2" Fiberglass Reinforced Plastic Flange	88.61	52.86
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-59.45	
23 11 26 00-0092	EA		3" Fiberglass Reinforced Plastic Flange	106.61	63.47
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-71.35	
23 11 26 00-0093	EA		4" Fiberglass Reinforced Plastic Flange	124.96	73.01
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-82.07	
23 11 26 00-0094	EA		5" Fiberglass Reinforced Plastic Flange	148.71	86.89
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-95.92	
23 11 26 00-0095	EA		6" Fiberglass Reinforced Plastic Flange	172.26	97.49
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-109.62	
23 11 26 00-0096	EA		8" Fiberglass Reinforced Plastic Flange	210.36	116.63
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-131.17	
23 11 26 00-0097	EA		10" Fiberglass Reinforced Plastic Flange	274.24	146.75
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-165.02	
23 11 26 00-0098	EA		12" Fiberglass Reinforced Plastic Flange	363.18	181.97
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-204.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 26 00-0099			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings <small>(23 11 26)</small>		
23 11 26 00-0100			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101	LF		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	60.12	22.78
23 11 26 00-0102	LF		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	71.55	26.99
23 11 26 00-0103	LF		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	95.45	39.81
23 11 26 00-0104	LF		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	130.80	51.61
23 11 26 00-0105	LF		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	179.71	62.85
23 11 26 00-0106	LF		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	236.46	74.54
23 11 26 00-0107	LF		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	301.18	94.05
23 11 26 00-0108			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings <small>(23 11 26 00-0099)</small>		
23 11 26 00-0109			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	974.04	281.90
23 11 26 00-0111	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,132.25	338.37
23 11 26 00-0112	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,393.32	393.22
23 11 26 00-0113	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,312.90	519.82
23 11 26 00-0114	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,598.29	649.90
23 11 26 00-0115	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,779.50	781.88
23 11 26 00-0116	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,323.86	968.23
23 11 26 00-0117			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	975.24	281.90
23 11 26 00-0119	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,130.15	338.37
23 11 26 00-0120	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,391.67	393.22
23 11 26 00-0121	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,303.18	519.82
23 11 26 00-0122	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,584.22	649.90
23 11 26 00-0123	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,760.69	782.25
23 11 26 00-0124	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,301.04	970.43
23 11 26 00-0125			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,379.83	422.86
23 11 26 00-0127	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,713.12	509.63
23 11 26 00-0128	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,945.17	590.13
23 11 26 00-0129	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,033.54	782.61
23 11 26 00-0130	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,820.86	970.43
23 11 26 00-0131	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	6,244.28	1,172.56
23 11 26 00-0132	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,390.81	1,421.70
23 11 26 00-0133			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 26 00-0108)</small>		
23 11 26 00-0134	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	1,884.67	422.86
23 11 26 00-0135	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,434.74	509.04
23 11 26 00-0136	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,863.03	590.13
23 11 26 00-0137	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,678.82	782.61
23 11 26 00-0138	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,841.35	970.43
23 11 26 00-0139	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,531.45	1,172.56
23 11 26 00-0140	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,793.90	1,421.70
23 11 26 00-0141			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 26 00-0108)</small>		
23 11 26 00-0142	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,054.60	281.90
23 11 26 00-0143	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,378.62	338.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,502.03		393.22
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,975.59		519.82
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,641.84		649.90
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,391.88		781.88
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,667.26		968.23
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 26 00-0108)</small>			
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	828.98		281.90
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	947.74		338.37
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,071.56		393.22
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,562.99		519.82
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,505.01		649.90
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,934.69		781.88
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,109.52		968.23
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 26 00-0108)</small>			
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	162.93		33.84
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	325.58		67.52
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	568.15		51.90
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	657.71		72.86
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	618.12		51.96
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	740.16		77.98
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,104.44		93.69
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	567.59		109.19
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	772.20		155.88
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	972.87		110.94
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,460.31		166.18
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,140.10		114.45
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,486.07		171.66
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 26 00-0108)</small>			
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	776.37		389.23
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,103.44		519.82
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,373.26		622.21
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,845.36		781.88
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,573.52		968.23
23 12 Facility Fuel Pumps <small>(23 10)</small>					
23 12 13 Facility Fuel-Oil Pumps <small>(23 12)</small>					
23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>			
		Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.			
23 12 13 00-0002		10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>			
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	834.88		213.96
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	887.18		258.96
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	979.47		307.66
23 12 13 00-0006		25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>			
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	929.91		213.96
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	983.91		258.96
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,037.77		307.66
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>			
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	640.23		119.89
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	748.49		134.28
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	820.71		150.51
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	898.85		169.69
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,232.69		188.88
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,495.19		211.37
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,658.62		236.83
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,007.15		264.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 12 13 00-0019	EA		5 HP Pump Fuel Oil/Diesel	2,356.27	296.96
23 12 13 00-0020	EA		7.5 HP Pump Fuel Oil/Diesel	2,638.57	333.11
23 12 13 00-0021	EA		10 HP Pump Fuel Oil/Diesel	2,958.19	373.39

23 12 23 Facility Natural-Gas Pumps (23 12)

23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)

23 12 23 00-0002	EA		Natural Gas Booster Pump, 3/4" Outlet Size	833.39	110.67
23 12 23 00-0003	EA		Natural Gas Booster Pump, 1" Outlet Size	989.66	123.57
23 12 23 00-0004	EA		Natural Gas Booster Pump, 1-1/4" Outlet Size	1,111.07	129.11
23 12 23 00-0005	EA		Natural Gas Booster Pump, 1-1/2" Outlet Size	1,262.58	134.65
23 12 23 00-0006	EA		Natural Gas Booster Pump, 2" Outlet Size	1,430.51	138.33

23 13 Facility Fuel-Storage Tanks (23 10)

23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA		250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,985.23	533.47
23 13 13 13-0003	EA		550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,608.75	533.47
23 13 13 13-0004	EA		1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	12,395.17	666.79
23 13 13 13-0005	EA		2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,143.16	1,302.40
23 13 13 13-0006	EA		3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,124.20	1,674.43
23 13 13 13-0007	EA		4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	30,242.11	1,923.13
23 13 13 13-0008	EA		5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	32,847.44	2,542.78
23 13 13 13-0009	EA		6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	34,010.43	2,730.13
23 13 13 13-0010	EA		8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	41,462.79	3,225.29
23 13 13 13-0011	EA		10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	48,013.14	3,720.14
23 13 13 13-0012	EA		12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	61,131.47	4,091.00
23 13 13 13-0013	EA		14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,520.61	4,967.13
23 13 13 13-0014	EA		15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,969.54	5,271.42
23 13 13 13-0015	EA		20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	92,804.18	8,361.57
23 13 13 13-0016	EA		25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	114,296.85	10,842.90
23 13 13 13-0017	EA		30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,508.74	12,406.25
23 13 13 13-0018	EA		40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	171,867.90	13,336.73
23 13 13 13-0019	EA		48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	230,943.91	13,678.72

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each; all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA		550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,858.67	533.47
23 13 13 23-0004	EA		1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,590.57	666.79
23 13 13 23-0005	EA		2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,667.90	825.02
23 13 13 23-0006	EA		2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,306.15	1,004.90
23 13 13 23-0007	EA		3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,940.90	1,178.59
23 13 13 23-0008	EA		4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,235.32	1,550.78
23 13 13 23-0009	EA		5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,661.27	2,357.19
23 13 13 23-0010	EA		6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,817.60	2,977.50
23 13 13 23-0011	EA		8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,759.76	3,349.69
23 13 13 23-0012	EA		10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,254.73	3,970.00
23 13 13 23-0013	EA		12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	17,042.65	4,714.38
23 13 13 23-0014	EA		15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	20,967.93	5,892.97
23 13 13 23-0015	EA		20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	26,494.16	7,877.97
23 13 13 23-0016	EA		25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	39,447.72	9,800.95
23 13 13 23-0017	EA		30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	48,313.48	11,785.95
23 13 13 23-0018	EA		40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	69,019.84	17,058.60
23 13 13 23-0019	EA		50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	98,075.68	21,710.95

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each; all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA		550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,482.64	533.47
23 13 13 23-0022	EA		1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,223.49	666.79
23 13 13 23-0023	EA		2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,661.24	806.41
23 13 13 23-0024	EA		3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,271.46	1,178.68
23 13 13 23-0025	EA		4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,676.93	1,550.78
23 13 13 23-0026	EA		5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,643.34	2,357.19
23 13 13 23-0027	EA		6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	16,332.72	2,977.50
23 13 13 23-0028	EA		8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,051.73	3,349.69
23 13 13 23-0029	EA		10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,546.71	3,970.00
23 13 13 23-0030	EA		12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,074.98	4,714.38
23 13 13 23-0031	EA		15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,812.05	5,892.97
23 13 13 23-0032	EA		20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	44,410.75	7,877.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 13 13	23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	68,599.20	11,785.95
23 13 13 23-0034 Underground Storage Tank Pump Enclosures ^(23 13 13 23)					
23 13 13	23-0035	EA	Secondary Containment Collar.....	1,103.28	
23 13 13	23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter.....	1,103.28	
23 13 13	23-0037	EA	Fitting Kit For Turbine Enclosure.....	220.66	
23 13 13	23-0038	EA	Grommet Kits For Plumbing And Electrical.....	441.31	
23 13 13	23-0039	EA	Turbine Electrical Coupling Kit.....	551.64	
23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks ^(23 13 13)					
²³⁾ Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).					
23 13 13	23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day.....	1,300.00	
Note: Includes inspection report and repair estimate.					
23 13 13	23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair.....	74.25	
Note: 50 SF minimum.					
23 13 13	23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	6,551.88	
23 13 13	23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	9,742.53	
23 13 13	23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement.....	90.30	
Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.					
23 13 13	23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair.....	192.64	
Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.					
23 13 13	23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non Gusseted Flange Installation.....	2,893.66	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				142.00	
23 13 13	23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non Gusseted Flange Installation.....	2,915.74	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				153.00	
23 13 13	23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non Gusseted Flange Installation.....	2,961.89	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				176.00	
23 13 13	23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non Gusseted Flange Installation.....	3,082.29	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				236.00	
23 13 13	23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non Gusseted Flange Installation.....	3,126.44	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				318.00	
23 13 13	23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non Gusseted Flange Installation.....	3,359.22	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				374.00	
23 13 13	23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation.....	3,104.36	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				247.00	
For Blade Gusseted Outlet, Add				465.65	
23 13 13	23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation.....	3,136.47	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				263.00	
For Blade Gusseted Outlet, Add				470.47	
23 13 13	23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation.....	3,232.79	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				135.00	
For Blade Gusseted Outlet, Add				484.92	
23 13 13	23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation.....	3,433.46	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				175.00	
For Blade Gusseted Outlet, Add				515.02	
23 13 13	23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation.....	3,557.88	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				215.00	
For Blade Gusseted Outlet, Add				533.68	
23 13 13	23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation.....	3,880.96	
Note: Includes Labor, Material And Removal Of Old Flange					
For Additional Flange Installation During The Same Day, Add				260.00	
For Blade Gusseted Outlet, Add				582.14	
23 13 13	23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation.....	5,789.33	
Note: Includes Labor, Material And Removal Of Old Flange					
For Blade Gusseted Outlet, Add				868.40	
23 13 13	23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation.....	2,799.35	
Note: Includes Labor, Material And Removal Of Old Flange					
For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add				100.00	
For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add				200.00	
For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add				300.00	
23 13 13	23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation.....	2,799.35	
Note: Includes Labor, Material And Removal Of Old Flange					
For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add				100.00	
For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add				200.00	
For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add				300.00	
23 13 13	23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation.....	2,799.35	
Note: Includes Labor, Material And Removal Of Old Flange					
For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add				100.00	
For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add				200.00	
For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add				300.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 13 23-0063	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,799.35 100.00 200.00 300.00	
23 13 13 23-0064	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,799.35 100.00 200.00 300.00	
23 13 13 23-0065	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,799.35 100.00 200.00 300.00	
23 13 13 23-0066	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,899.68 145.00 270.00 435.00	
23 13 13 23-0067	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,899.68 145.00 270.00 435.00	
23 13 13 23-0068	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,899.68 145.00 270.00 435.00	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 13-0001			Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13) Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA		10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,108.08	96.07
23 13 23 13-0003	EA		15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,191.51	100.87
23 13 23 13-0004	EA		25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,294.37	108.07
23 13 23 13-0005	EA		50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,493.22	115.28
23 13 23 13-0006	EA		60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,670.94	120.08
23 13 23 13-0007	EA		75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,968.10	144.09
23 13 23 13-0008	EA		100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,666.40	168.11
23 13 23 13-0009	EA		150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,388.68	192.12
23 13 23 13-0010	EA		200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,368.10	216.13
23 13 23 13-0011	EA		275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,869.25	240.16
23 13 23 13-0012	EA		300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,563.00	288.19
23 13 23 13-0013	EA		350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,222.46	336.21
23 13 23 13-0014	EA		400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,902.49	384.25
23 13 23 13-0015	EA		450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,672.78	408.27
23 13 23 13-0016	EA		500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,448.22	432.28
23 13 23 13-0017	EA		550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,331.64	456.29
23 13 23 13-0018	EA		600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,101.93	480.31
23 13 23 13-0019	EA		700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,222.00	576.37
23 13 23 13-0020	EA		800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,102.60	624.40
23 13 23 13-0021	EA		900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,258.66	720.47
23 13 23 13-0022	EA		1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,419.88	816.53
23 13 23 13-0023	EA		10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,358.36	96.07
23 13 23 13-0024	EA		15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,443.50	100.87
23 13 23 13-0025	EA		25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,546.36	108.07
23 13 23 13-0026	EA		50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,743.50	115.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,921.22	120.08
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,220.10	144.09
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,942.39	168.11
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,664.67	192.12
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,644.09	216.13
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,145.24	240.16
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,838.99	288.19
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,498.45	336.21
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,178.48	384.25
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,948.78	408.27
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,724.21	432.28
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,609.35	456.29
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,379.64	480.31
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,497.99	576.37
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,378.59	624.40
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,534.65	720.47
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,695.88	816.53
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,306.33	96.07
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,381.18	100.87
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,446.33	108.07
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,712.04	115.28
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,810.90	120.08
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,097.78	144.09
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,732.65	168.11
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,725.78	192.12
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,314.35	216.13
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,977.75	240.16
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,873.78	288.19
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,399.53	336.21
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,127.56	384.25
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,861.86	408.27
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,836.14	432.28
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,231.01	456.29
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,583.03	480.31
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,229.36	576.37
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,859.08	624.40
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,608.27	720.47
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,386.61	816.53
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,437.72	96.07
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,512.57	100.87
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,577.72	108.07
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,843.43	115.28
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,942.29	120.08
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,229.17	144.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,864.04	168.11
23 13 23	13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,857.17	192.12
23 13 23	13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,521.17	216.13
23 13 23	13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,714.87	240.16
23 13 23	13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,610.90	288.19
23 13 23	13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,138.37	336.21
23 13 23	13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,864.68	384.25
23 13 23	13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,600.69	408.27
23 13 23	13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,573.26	432.28
23 13 23	13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,968.13	456.29
23 13 23	13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,320.15	480.31
23 13 23	13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,966.48	576.37
23 13 23	13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,597.91	624.40
23 13 23	13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,345.39	720.47
23 13 23	13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,123.73	816.53
23 13 23	13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,070.27	96.07
23 13 23	13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,153.69	100.87
23 13 23	13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,220.56	108.07
23 13 23	13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,494.84	115.28
23 13 23	13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,641.70	120.08
23 13 23	13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,901.15	144.09
23 13 23	13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,561.73	168.11
23 13 23	13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,602.86	192.12
23 13 23	13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,213.72	216.13
23 13 23	13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,942.26	240.16
23 13 23	13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,886.29	288.19
23 13 23	13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,358.90	336.21
23 13 23	13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,189.78	384.25
23 13 23	13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,081.78	408.27
23 13 23	13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,978.93	432.28
23 13 23	13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,423.51	456.29
23 13 23	13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,749.81	480.31
23 13 23	13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,473.29	576.37
23 13 23	13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,183.57	624.40
23 13 23	13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,013.33	720.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,868.82	816.53
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,201.66	96.07
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,285.09	100.87
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,351.95	108.07
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,626.23	115.28
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,773.09	120.08
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,029.11	144.09
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,693.12	168.11
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,734.25	192.12
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,345.11	216.13
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,679.38	240.16
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,623.41	288.19
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,267.44	336.21
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,926.90	384.25
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,818.90	408.27
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,716.05	432.28
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,160.63	456.29
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,488.65	480.31
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,210.41	576.37
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,920.69	624.40
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,750.45	720.47
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,605.94	816.53
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,096.90	96.07
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,190.89	100.87
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,293.41	108.07
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,484.17	115.28
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,996.78	120.08
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,036.81	144.09
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,570.13	168.11
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,191.68	192.12
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,218.28	216.13
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,321.80	240.16
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,388.44	288.19
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,846.37	336.21
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,306.57	384.25
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,032.22	408.27
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,760.14	432.28
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,390.76	456.29
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,028.15	480.31
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,324.17	576.37
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,580.87	624.40
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	13,953.82	720.47
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,277.00	816.53
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,156.95	100.87
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,259.72	108.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0151	EA		200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,367.26	115.28
23 13 23 13-0152	EA		200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,563.96	120.08
23 13 23 13-0153	EA		200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,136.62	144.09
23 13 23 13-0154	EA		200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,176.65	168.11
23 13 23 13-0155	EA		200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,737.37	192.12
23 13 23 13-0156	EA		200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,391.23	216.13
23 13 23 13-0157	EA		200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,472.63	240.16
23 13 23 13-0158	EA		200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,635.25	264.17
23 13 23 13-0159	EA		200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,756.69	312.20
23 13 23 13-0160	EA		200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,235.63	360.23
23 13 23 13-0161	EA		200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,716.94	408.27
23 13 23 13-0162	EA		200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,480.69	432.28
23 13 23 13-0163	EA		200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,246.81	456.29
23 13 23 13-0164	EA		200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,910.25	480.31
23 13 23 13-0165	EA		200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,620.85	528.34
23 13 23 13-0166	EA		200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,979.97	624.40
23 13 23 13-0167	EA		200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,382.09	720.47
23 13 23 13-0168	EA		200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,822.43	816.53
23 13 23 13-0169	EA		200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,210.22	912.59
23 13 23 13-0170	EA		150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,275.66	96.07
23 13 23 13-0171	EA		150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,392.28	100.87
23 13 23 13-0172	EA		150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,508.37	108.07
23 13 23 13-0173	EA		150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,744.39	115.28
23 13 23 13-0174	EA		150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,354.30	120.08
23 13 23 13-0175	EA		150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,394.33	144.09
23 13 23 13-0176	EA		150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,009.11	168.11
23 13 23 13-0177	EA		150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,737.01	192.12
23 13 23 13-0178	EA		150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,948.54	216.13
23 13 23 13-0179	EA		150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,308.38	240.16
23 13 23 13-0180	EA		150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,576.40	288.19
23 13 23 13-0181	EA		150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,104.48	336.21
23 13 23 13-0182	EA		150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,637.09	384.25
23 13 23 13-0183	EA		150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,505.30	408.27
23 13 23 13-0184	EA		150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,375.77	432.28
23 13 23 13-0185	EA		150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,112.73	456.29
23 13 23 13-0186	EA		150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	11,867.79	480.31
23 13 23 13-0187	EA		150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,421.40	576.37
23 13 23 13-0188	EA		150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	14,897.96	624.40
23 13 23 13-0189	EA		150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,508.50	720.47
23 13 23 13-0190	EA		150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,069.27	816.53
23 13 23 13-0191	EA		200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,345.64	100.87
23 13 23 13-0192	EA		200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,472.30	108.07
23 13 23 13-0193	EA		200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,594.17	115.28
23 13 23 13-0194	EA		200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,838.64	120.08
23 13 23 13-0195	EA		200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,514.01	144.09
23 13 23 13-0196	EA		200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,554.04	168.11
23 13 23 13-0197	EA		200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,200.73	192.12
23 13 23 13-0198	EA		200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,966.86	216.13
23 13 23 13-0199	EA		200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,243.46	240.16
23 13 23 13-0200	EA		200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,676.64	264.17
23 13 23 13-0201	EA		200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,010.65	312.20
23 13 23 13-0202	EA		200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,563.63	360.23
23 13 23 13-0203	EA		200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,121.38	408.27
23 13 23 13-0204	EA		200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,035.60	432.28
23 13 23 13-0205	EA		200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,952.19	456.29
23 13 23 13-0206	EA		200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,727.88	480.31
23 13 23 13-0207	EA		200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,562.69	528.34
23 13 23 13-0208	EA		200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,172.61	624.40
23 13 23 13-0209	EA		200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,827.91	720.47
23 13 23 13-0210	EA		200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,519.04	816.53
23 13 23 13-0211	EA		200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,157.62	912.59

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA		300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,574.27	522.10
23 13 23 16-0003	EA		550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,096.45	632.01
23 13 23 16-0004	EA		1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,214.82	893.23
23 13 23 16-0005	EA		1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,432.86	1,116.54
23 13 23 16-0006	EA		2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,653.17	1,524.24
23 13 23 16-0007	EA		3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,705.35	1,569.06
23 13 23 16-0008	EA		5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,957.05	1,939.93
23 13 23 16-0009	EA		8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	18,968.71	2,222.79
23 13 23 16-0010	EA		10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	22,507.61	2,424.85
23 13 23 16-0011	EA		12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,061.13	2,667.35
23 13 23 16-0012	EA		15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	28,854.75	2,963.69
23 13 23 16-0013	EA		20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	36,090.86	3,810.45
23 13 23 16-0014	EA		30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	48,960.89	4,445.58

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0016	EA		300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,013.76	651.46
23 13 23 16-0017	EA		550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,825.28	788.35
23 13 23 16-0018	EA		1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,552.40	1,116.54
23 13 23 16-0019	EA		1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,465.72	1,395.67
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,238.31	1,905.27
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	15,322.88	1,961.26
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	22,210.73	2,416.07
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	30,447.83	2,778.50
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	36,254.30	3,031.10
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	42,061.34	3,334.14
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	46,563.89	3,704.68
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	58,179.72	4,763.09
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	79,355.42	5,556.93
23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)					
23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)					
23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	3,820.00	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,615.72	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	10,083.78	
23 13 23 19-0005	EA		Steel Dike For 3,000 Gallon Tank, Uncoated.....	11,038.07	
23 13 23 19-0006	EA		Steel Dike For 5,000 Gallon Tank, Uncoated.....	15,686.95	
23 13 23 19-0007	EA		Steel Dike For 6,000 Gallon Tank, Uncoated.....	17,574.91	
23 13 23 19-0008	EA		Steel Dike For 8,000 Gallon Tank, Uncoated.....	23,201.52	
23 13 23 19-0009	EA		Steel Dike For 10,000 Gallon Tank, Uncoated.....	27,227.09	
23 13 23 19-0010	EA		Steel Dike For 12,000 Gallon Tank, Uncoated.....	30,935.40	
23 13 23 19-0011	EA		Steel Dike For 15,000 Gallon Tank, Uncoated.....	37,668.03	
23 13 23 19-0012	EA		Steel Dike For 20,000 Gallon Tank, Uncoated.....	48,223.58	
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)					
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)					
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.					
23 13 23 26-0002	EA		500 Gallon Concrete Vaulted Storage Tank	21,231.06	1,153.70
For Low Profile Tanks, Add				7,848.50	
23 13 23 26-0003	EA		1,000 Gallon Concrete Vaulted Storage Tank	26,743.15	1,302.40
For Low Profile Tanks, Add				9,970.33	
23 13 23 26-0004	EA		2,000 Gallon Concrete Vaulted Storage Tank	47,467.12	1,550.78
For Low Profile Tanks, Add				18,121.29	
23 13 23 26-0005	EA		4,000 Gallon Concrete Vaulted Storage Tank	75,183.68	3,410.97
23 13 23 26-0006	EA		5,000 Gallon Concrete Vaulted Storage Tank	85,898.16	3,725.35
23 13 23 26-0007	EA		6,000 Gallon Concrete Vaulted Storage Tank	96,678.67	4,023.10
23 13 23 26-0008	EA		8,000 Gallon Concrete Vaulted Storage Tank	107,442.14	4,365.59
23 13 23 26-0009	EA		10,000 Gallon Concrete Vaulted Storage Tank	118,200.20	4,646.97
23 13 23 26-0010 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)					
23 13 23 26-0011 Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)					
Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.					
23 13 23 26-0012	EA		500 Gallon Concrete Vaulted Tank	15,636.41	
23 13 23 26-0013	EA		1000 Gallon Concrete Vaulted Tank	20,798.32	
23 13 23 26-0014	EA		2000 Gallon Concrete Vaulted Tank	33,960.70	
23 13 23 26-0015	EA		Dual 500 Gallon Concrete Vaulted Tank	27,069.83	
23 13 23 26-0016	EA		Split 1,000 Gallon Concrete Vaulted Tank	27,069.83	
23 13 23 26-0017	EA		Dual 1,000 Gallon Concrete Vaulted Tank	37,794.57	
23 13 23 26-0018	EA		Split 2,000 Gallon Concrete Vaulted Tank	37,794.57	
23 13 23 26-0019 Accessories For Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)					
23 13 23 26-0020 Pumps (23 13 23 26-0019)					
23 13 23 26-0021	EA		Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	8,439.47	
23 13 23 26-0022	EA		Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve	8,750.66	
23 13 23 26-0023	EA		Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	9,541.09	
23 13 23 26-0024 Monitor (23 13 23 26-0019)					
23 13 23 26-0025	EA		Electronic High Level / Leak Monitoring System For Single Compartment Tank	2,609.85	
23 13 23 26-0026	EA		Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank	3,632.62	
23 13 23 26-0027	EA		Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank	7,841.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 23 26-0028 EA Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank 10,870.90

23 13 23 26-0029 Heaters (23 13 23 26-0019)

23 13 23 26-0030 EA Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 4,474.91
 23 13 23 26-0031 EA Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 4,541.30
 23 13 23 26-0032 EA Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 4,618.06

23 13 23 26-0033 Fuel Management (23 13 23 26-0019)

23 13 23 26-0034 EA TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software 13,484.90
 23 13 23 26-0035 EA TopKat Fuel Management Key System (50) Keys Modem Connection With Windows Software 14,314.74

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)

23 13 33 00-0001 EPA Requirements (23 13 33)

23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon)..... 611.16
 23 13 33 00-0003 EA Over-Fill Prevention Valve 1,350.02
 23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass 2,228.89
 23 13 33 00-0005 EA Tank Manway With Cover, Steel..... 1,923.78
 23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent) 91.96
 23 13 33 00-0007 EA Reservoir Sensor, Liquid Level 244.70
 23 13 33 00-0008 EA Manhole Spill Containment 920.22 187.42
 23 13 33 00-0009 EA Fill Adapter, 4" 214.73 124.97
 23 13 33 00-0010 EA Fill Cap, 4" 143.99 46.86
 23 13 33 00-0011 EA 2" Vent Cap 88.00 31.26
 23 13 33 00-0012 EA 4" x 2" Extractor Fitting 269.50 46.86
 23 13 33 00-0013 EA Float Vent Valve 320.73 93.70
 23 13 33 00-0014 EA Vapor Hose Adapter 266.58 62.45
 23 13 33 00-0015 EA Dust Cap..... 118.44 34.11
 23 13 33 00-0016 EA 1" Double Poppet Foot Valve..... 405.00 53.53
 23 13 33 00-0017 EA 10' Wood Gage Stick 36.80
 23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT 93.35
 23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet..... 124.36
 23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent..... 62.68
 23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent..... 85.79
 23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent..... 137.02
 23 13 33 00-0023 EA Pressure And Vacuum Control Vent..... 538.15
 23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set 1,303.96
 23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set 1,544.41
 23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set 1,682.24
 23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set 1,843.18
 23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set 2,650.50
 23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set 3,278.16
 23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set 3,628.59
 23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set 4,465.96
 23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set 5,290.81
 23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set 5,922.32
 23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set 6,842.84

23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)

23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 34.49
 23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 38.56
 23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 42.40
 23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 51.42
 23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 53.02
 23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 70.11
 23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 111.99
 23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread..... 197.43

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 40.34
 23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 44.39
 23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 48.47
 23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 60.84
 23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 64.91
 23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 80.88
 23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 126.36
 23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread 217.85

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread..... 41.67
 23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread..... 48.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	54.53	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	70.74	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	92.99	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	145.89	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	229.98	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	49.10	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	58.09	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	71.80	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	87.77	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	89.37	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	128.69	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread.....	232.04	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread.....	416.22	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	42.82	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread.....	55.58	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	57.18	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	58.78	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread.....	82.66	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread.....	104.88	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)

23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	190.20	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	217.45	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	267.58	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	308.70	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	355.75	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	448.40	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	582.71	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	643.87	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	194.34	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	194.44	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	284.29	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	290.10	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	392.02	

23 20 HVAC Piping and Pumps (23)

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	13.81	2.95
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.35	
		<i>For Work In Restricted Working Space, Add</i>	3.05	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	14.95	3.17
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.68	
		<i>For Work In Restricted Working Space, Add</i>	3.18	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	16.31	3.47
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.08	
		<i>For Work In Restricted Working Space, Add</i>	3.36	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	19.54	3.61
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.10	
		<i>For Work In Restricted Working Space, Add</i>	3.62	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	20.55	4.28
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.44	
		<i>For Work In Restricted Working Space, Add</i>	3.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-0008	LF		2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly24.34 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 6.55 For Work In Restricted Working Space, Add 4.14		5.16
23 21	13 23-0009	LF		2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....35.44 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 10.02 For Work In Restricted Working Space, Add 5.14		6.11
23 21	13 23-0010	LF		3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....44.94 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 12.82 For Work In Restricted Working Space, Add 6.29		8.19
23 21	13 23-0011	LF		4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....64.43 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 19.45 For Work In Restricted Working Space, Add 7.02		9.72
23 21	13 23-0012	LF		5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....106.50 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 33.88 For Work In Restricted Working Space, Add 8.36		12.42
23 21	13 23-0013	LF		6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....125.93 Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add 40.28 For Work In Restricted Working Space, Add 9.48		14.69
23 21	13 23-0014			Threaded Black Steel Pipe And Fittings (23 21 13 23-0001) Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21	13 23-0015			Threaded And Coupled, Black Steel Piping (23 21 13 23-0014) Note: ASTM A-53. Includes coupling.		
23 21	13 23-0016	LF		3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....4.75 For Schedule 80 Pipe, Add 0.84 For Work In Restricted Working Space, Add 1.12		1.84
23 21	13 23-0017	LF		1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....6.19 For Schedule 80 Pipe, Add 1.22 For Work In Restricted Working Space, Add 1.34		2.95
23 21	13 23-0018	LF		3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....6.98 For Schedule 80 Pipe, Add 1.48 For Work In Restricted Working Space, Add 1.43		3.17
23 21	13 23-0019	LF		1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....8.12 For Schedule 80 Pipe, Add 1.85 For Work In Restricted Working Space, Add 1.55		3.47
23 21	13 23-0020	LF		1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....9.43 For Schedule 80 Pipe, Add 2.33 For Work In Restricted Working Space, Add 1.64		3.61
23 21	13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....11.16 For Schedule 80 Pipe, Add 2.78 For Work In Restricted Working Space, Add 1.92		4.28
23 21	13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....13.98 For Schedule 80 Pipe, Add 3.58 For Work In Restricted Working Space, Add 2.33		5.16
23 21	13 23-0023	LF		2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....19.04 For Schedule 80 Pipe, Add 5.34 For Work In Restricted Working Space, Add 2.77		6.11
23 21	13 23-0024	LF		3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....25.15 For Schedule 80 Pipe, Add 7.02 For Work In Restricted Working Space, Add 3.69		8.19
23 21	13 23-0025	LF		4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....33.84 For Schedule 80 Pipe, Add 10.11 For Work In Restricted Working Space, Add 4.39		9.72
23 21	13 23-0026	LF		5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....44.14 For Schedule 80 Pipe, Add 13.35 For Work In Restricted Working Space, Add 5.58		12.42
23 21	13 23-0027	LF		6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....55.69 For Schedule 80 Pipe, Add 17.36 For Work In Restricted Working Space, Add 6.60		14.69
23 21	13 23-0028	LF		8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....76.54 For Schedule 80 Pipe, Add 25.14 For Work In Restricted Working Space, Add 7.97		17.75
23 21	13 23-0029	LF		10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....103.20 For Schedule 80 Pipe, Add 35.07 For Work In Restricted Working Space, Add 9.74		21.63
23 21	13 23-0030	LF		12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....137.71 For Schedule 80 Pipe, Add 47.05 For Work In Restricted Working Space, Add 12.79		28.43
23 21	13 23-0031			Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21	13 23-0032	EA		3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....21.52 For 300 LB Rating, Add 13.32 For Standard Weight Cast Iron Fittings, Add 0.08 For Work In Restricted Working Space, Add 4.91		10.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	23.23	13.12
		<i>For 300 LB Rating, Add</i>	9.75	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	26.30	14.68
		<i>For 300 LB Rating, Add</i>	11.64	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
		<i>For Work In Restricted Working Space, Add</i>	6.60	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	32.04	16.36
		<i>For 300 LB Rating, Add</i>	19.40	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
		<i>For Work In Restricted Working Space, Add</i>	7.37	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	40.13	18.58
		<i>For 300 LB Rating, Add</i>	31.24	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
		<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	47.58	20.93
		<i>For 300 LB Rating, Add</i>	40.79	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	67.80	26.61
		<i>For 300 LB Rating, Add</i>	69.47	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	121.24	39.37
		<i>For 300 LB Rating, Add</i>	152.99	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.00	
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	168.72	51.75
		<i>For 300 LB Rating, Add</i>	223.34	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.46	
		<i>For Work In Restricted Working Space, Add</i>	23.28	
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	280.98	56.85
		<i>For 300 LB Rating, Add</i>	474.84	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	3.13	
		<i>For Work In Restricted Working Space, Add</i>	25.58	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	660.89	59.34
		<i>For 300 LB Rating, Add</i>	1,377.97	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	9.15	
		<i>For Work In Restricted Working Space, Add</i>	26.69	
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	753.66	62.04
		<i>For 300 LB Rating, Add</i>	1,591.14	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	10.57	
		<i>For Work In Restricted Working Space, Add</i>	27.90	
23 21 13 23-0044	Black Malleable Iron Reducing 90 Degree Elbows <small>(23 21 13 23-0014)</small>			
23 21 13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	24.81	12.02
		<i>For 300 LB Rating, Add</i>	17.38	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
		<i>For Work In Restricted Working Space, Add</i>	5.41	
23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	27.82	13.86
		<i>For 300 LB Rating, Add</i>	18.03	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
		<i>For Work In Restricted Working Space, Add</i>	6.25	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	28.96	12.83
		<i>For 300 LB Rating, Add</i>	24.60	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	5.76	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	32.27	15.55
		<i>For 300 LB Rating, Add</i>	22.95	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
		<i>For Work In Restricted Working Space, Add</i>	6.99	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	31.80	14.75
		<i>For 300 LB Rating, Add</i>	24.58	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	6.63	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	39.55	13.63
		<i>For 300 LB Rating, Add</i>	47.00	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
		<i>For Work In Restricted Working Space, Add</i>	6.14	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	41.29	17.47
		<i>For 300 LB Rating, Add</i>	37.79	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.24	
		<i>For Work In Restricted Working Space, Add</i>	7.86	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	41.75	16.59
		<i>For 300 LB Rating, Add</i>	41.91	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
		<i>For Work In Restricted Working Space, Add</i>	7.47	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	43.41	15.85
		<i>For 300 LB Rating, Add</i>	48.63	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
		<i>For Work In Restricted Working Space, Add</i>	7.12	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	50.88	19.76
		<i>For 300 LB Rating, Add</i>	52.87	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
		<i>For Work In Restricted Working Space, Add</i>	8.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.26 52.77 0.34 8.39	18.65
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.04 60.06 0.39 8.00	17.77
23 21	13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.45 76.15 0.49 10.68	23.74
23 21	13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.88 86.15 0.56 10.15	22.56
23 21	13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.26 86.05 0.56 9.66	21.46
23 21	13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.09 91.04 0.59 9.28	20.64
23 21	13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.05 206.10 1.35 14.82	32.95
23 21	13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.80 217.80 1.43 13.55	30.15
23 21	13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.68 384.26 2.53 20.48	45.56
23 21	13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.55 331.92 2.19 17.62	39.14
23 21	13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.81 654.59 4.33 24.33	54.08
23 21	13 23-0066	Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>			
23 21	13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.13 19.58 0.12 4.91	10.92
23 21	13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.55 15.32 0.09 5.90	13.12
23 21	13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.28 18.79 0.12 6.60	14.68
23 21	13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.74 23.48 0.15 7.37	16.36
23 21	13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.03 40.60 0.26 8.34	18.58
23 21	13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.44 50.05 0.32 9.41	20.93
23 21	13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.20 75.23 0.49 11.96	26.61
23 21	13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.78 214.28 1.40 17.69	39.37
23 21	13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.65 278.38 1.82 23.28	51.75
23 21	13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.91 541.88 3.58 25.58	56.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	972.40 2,125.59 14.14 26.69	59.34
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	996.87 2,174.84 14.46 27.90	62.04
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.95 19.16 0.12 6.14	13.49
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.34 12.92 0.08 7.37	16.36
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.19 18.12 0.11 8.51	18.95
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.22 30.14 0.19 10.05	22.34
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.83 47.94 0.30 11.96	26.61
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.16 59.49 0.38 14.27	31.70
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.19 100.07 0.64 17.69	39.37
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.31 212.76 1.39 23.28	51.75
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.87 312.06 2.04 27.65	61.48
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.41 747.37 4.94 32.31	71.84
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,063.38 2,252.85 14.97 38.37	85.28
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,150.10 2,418.23 16.06 43.85	97.49
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)					
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.68 20.94 0.13 7.37	16.36
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.93 27.09 0.17 8.51	18.95
23 21	13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.85 34.05 0.21 10.05	22.34
23 21	13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.09 65.37 0.42 11.96	26.61
23 21	13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.64 72.65 0.47 14.27	31.70
23 21	13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.18 104.84 0.68 17.69	39.37
23 21	13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.13 320.33 2.10 23.28	51.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.80 367.09 2.41 27.65	61.48
23 21	13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	473.06 883.33 5.85 32.31	71.84
23 21	13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	975.34 2,041.55 13.56 38.37	85.28
23 21	13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,107.37 2,315.67 15.38 43.85	97.49
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)					
23 21	13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.78 16.34 0.10 4.91	10.92
23 21	13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.59 13.01 0.08 5.90	13.12
23 21	13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.77 15.17 0.09 6.60	14.68
23 21	13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.22 22.23 0.14 7.37	16.36
23 21	13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.01 28.55 0.18 8.34	18.58
23 21	13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.50 38.19 0.24 9.41	20.93
23 21	13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.27 56.20 0.36 11.96	26.61
23 21	13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.84 152.03 0.99 17.69	39.37
23 21	13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.25 205.42 1.34 23.28	51.75
23 21	13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.72 409.42 2.70 25.58	56.85
23 21	13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	563.32 1,143.80 7.59 26.69	59.34
23 21	13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	633.43 1,302.59 8.65 27.90	62.04
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)					
23 21	13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.78 15.87 0.10 5.90	13.12
23 21	13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.48 16.87 0.10 6.60	14.68
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.66 25.69 0.16 7.37	16.36
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.79 32.82 0.21 8.34	18.58
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.77 41.24 0.26 9.41	20.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0123	EA 2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.61 59.42 0.38 11.96	26.61
23 21 13 23-0124	EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.19 172.07 1.12 17.69	39.37
23 21 13 23-0125	EA 3", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.96 209.52 1.37 23.28	51.75
23 21 13 23-0126	EA 4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.36 415.76 2.74 25.58	56.85
23 21 13 23-0127	EA 5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	473.53 928.31 6.15 26.69	59.34
23 21 13 23-0128	EA 6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	586.95 1,191.04 7.90 27.90	62.04
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)			
23 21 13 23-0130	EA 1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.45 9.19 0.06 2.65	5.82
23 21 13 23-0131	EA 3/4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.78 12.31 0.08 2.97	6.56
23 21 13 23-0132	EA 1", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.97 14.85 0.09 3.32	7.30
23 21 13 23-0133	EA 1-1/4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.30 19.42 0.12 3.76	8.26
23 21 13 23-0134	EA 1-1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.81 26.50 0.17 4.24	9.29
23 21 13 23-0135	EA 2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.54 38.54 0.25 5.38	11.87
23 21 13 23-0136	EA 2-1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.35 87.54 0.57 7.96	17.55
23 21 13 23-0137	EA 3", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.73 128.84 0.84 10.48	23.07
23 21 13 23-0138	EA 4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.93 219.65 1.45 11.51	25.36
23 21 13 23-0139	EA 5", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.87 520.42 3.45 12.01	26.45
23 21 13 23-0140	EA 6", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	437.49 952.05 6.33 12.56	27.63
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)			
23 21 13 23-0142	EA 3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	33.67 4.91	10.92
23 21 13 23-0143	EA 1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	40.22 7.37	16.36
23 21 13 23-0144	EA 3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	46.34 8.51	18.95
23 21 13 23-0145	EA 1", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	56.95 10.05	22.34
23 21 13 23-0146	EA 1-1/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	73.48 11.96	26.61
23 21 13 23-0147	EA 1-1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	89.49 14.27	31.70
23 21 13 23-0148	EA 2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	107.73 17.69	39.37
23 21 13 23-0149	EA 2-1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	232.33 26.12	58.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	289.43 34.37	76.30
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	39.23 4.91	10.92
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	50.79 7.37	16.36
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	54.14 8.51	18.95
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	65.14 10.05	22.34
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	92.93 11.95	26.61
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	108.68 14.27	31.70
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	137.38 17.69	39.37
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	332.84 26.12	58.01
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	402.20 34.37	76.30
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	635.72 37.76	83.89
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	53.46 4.91	10.92
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	54.57 7.37	16.36
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	61.57 8.51	18.95
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	76.88 10.05	22.34
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	110.58 11.95	26.61
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	121.64 14.27	31.70
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	150.73 17.69	39.37
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	382.91 26.12	58.01
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	497.29 34.37	76.30
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,340.63 37.76	83.89
23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.15 0.81 3.16	7.00
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.90 0.69 3.16	7.00
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.10 0.79 3.16	7.00
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.62 1.14 3.40	7.59
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.18 1.45 3.69	8.19
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.89 1.80 3.69	8.19
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.76 2.45 4.76	10.54
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.99 7.67 5.90	13.12
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.00 9.11 7.13	15.85
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.68 13.72 8.77	19.51
23 21 13 23-0182 EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.37 0.92 3.16	7.00
23 21 13 23-0183 EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.90 0.69 3.16	7.00
23 21 13 23-0184 EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.22 0.85 3.16	7.00
23 21 13 23-0185 EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.37 0.92 3.16	7.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0186	EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.90 0.69 3.16	7.00
23 21 13 23-0187	EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.22 0.85 3.16	7.00
23 21 13 23-0188	EA 1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.84 1.25 3.40	7.59
23 21 13 23-0189	EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.57 1.64 3.69	8.19
23 21 13 23-0190	EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.17 1.94 3.69	8.19
23 21 13 23-0191	EA 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.89 1.18 3.16	7.00
23 21 13 23-0192	EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.15 0.81 3.16	7.00
23 21 13 23-0193	EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.44 0.96 3.16	7.00
23 21 13 23-0194	EA 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.99 1.33 3.40	7.59
23 21 13 23-0195	EA 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.77 1.74 3.69	8.19
23 21 13 23-0196	EA 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.63 2.17 3.69	8.19
23 21 13 23-0197	EA 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.48 2.81 4.76	10.54
23 21 13 23-0198	EA 3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.89 1.18 3.16	7.00
23 21 13 23-0199	EA 1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.15 0.81 3.16	7.00
23 21 13 23-0200	EA 3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.44 0.96 3.16	7.00
23 21 13 23-0201	EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.99 1.33 3.40	7.59
23 21 13 23-0202	EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.77 1.74 3.69	8.19
23 21 13 23-0203	EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.63 2.17 3.69	8.19
23 21 13 23-0204	EA 2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.48 2.81 4.76	10.54
23 21 13 23-0205	EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.40 7.87 5.90	13.12
23 21 13 23-0206	EA 3" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.59 9.91 7.13	15.85
23 21 13 23-0207	EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.32 1.40 3.16	7.00
23 21 13 23-0208	EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.47 0.97 3.16	7.00
23 21 13 23-0209	EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.89 1.18 3.16	7.00
23 21 13 23-0210	EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.62 1.64 3.40	7.59
23 21 13 23-0211	EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.41 2.06 3.69	8.19
23 21 13 23-0212	EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.15 2.43 3.69	8.19
23 21 13 23-0213	EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.67 3.41 4.76	10.54
23 21 13 23-0214	EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.17 9.26 5.90	13.12
23 21 13 23-0215	EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.24 11.73 7.13	15.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	13.32	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	12.47	7.00
			<i>For Schedule 80 Nipples, Add</i>	0.97	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	12.89	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple.....	14.62	7.59
			<i>For Schedule 80 Nipples, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple.....	16.41	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.06	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	17.15	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	22.67	10.54
			<i>For Schedule 80 Nipples, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	38.17	13.12
			<i>For Schedule 80 Nipples, Add</i>	9.26	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	47.24	15.85
			<i>For Schedule 80 Nipples, Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	60.99	19.51
			<i>For Schedule 80 Nipples, Add</i>	15.88	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
23 21	13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	14.55	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	12.81	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	13.50	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	15.22	7.59
			<i>For Schedule 80 Nipples, Add</i>	1.94	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	17.22	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	18.23	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.97	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	23.70	10.54
			<i>For Schedule 80 Nipples, Add</i>	3.92	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	39.99	13.12
			<i>For Schedule 80 Nipples, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	49.65	15.85
			<i>For Schedule 80 Nipples, Add</i>	12.94	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	65.51	19.51
			<i>For Schedule 80 Nipples, Add</i>	18.14	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	14.55	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	12.81	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	13.50	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	15.22	7.59
			<i>For Schedule 80 Nipples, Add</i>	1.94	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	17.22	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	18.23	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.97	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	23.70	10.54
			<i>For Schedule 80 Nipples, Add</i>	3.92	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	39.99	13.12
			<i>For Schedule 80 Nipples, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	49.65	15.85
			<i>For Schedule 80 Nipples, Add</i>	12.94	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	65.51	19.51
			<i>For Schedule 80 Nipples, Add</i>	18.14	
			<i>For Work In Restricted Working Space, Add</i>	8.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	15.00	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	13.08	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	13.91	7.00
			<i>For Schedule 80 Nipples, Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	15.93	7.59
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	18.13	8.19
			<i>For Schedule 80 Nipples, Add</i>	2.92	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	19.11	8.19
			<i>For Schedule 80 Nipples, Add</i>	3.41	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	25.05	10.54
			<i>For Schedule 80 Nipples, Add</i>	4.60	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	40.85	13.12
			<i>For Schedule 80 Nipples, Add</i>	10.60	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	51.90	15.85
			<i>For Schedule 80 Nipples, Add</i>	14.06	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	68.01	19.51
			<i>For Schedule 80 Nipples, Add</i>	19.39	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	18.38	7.00
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	15.12	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	16.15	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	18.85	7.59
			<i>For Schedule 80 Nipples, Add</i>	3.76	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	21.73	8.19
			<i>For Schedule 80 Nipples, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	23.11	8.19
			<i>For Schedule 80 Nipples, Add</i>	5.41	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	31.26	10.54
			<i>For Schedule 80 Nipples, Add</i>	7.70	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	46.63	13.12
			<i>For Schedule 80 Nipples, Add</i>	13.49	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	61.71	15.85
			<i>For Schedule 80 Nipples, Add</i>	18.97	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	73.99	19.51
			<i>For Schedule 80 Nipples, Add</i>	22.38	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	19.34	7.00
			<i>For Schedule 80 Nipples, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	16.05	7.00
			<i>For Schedule 80 Nipples, Add</i>	2.76	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	17.07	7.00
			<i>For Schedule 80 Nipples, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	20.12	7.59
			<i>For Schedule 80 Nipples, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 21	13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	23.60	8.19
			<i>For Schedule 80 Nipples, Add</i>	5.66	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	24.95	8.19
			<i>For Schedule 80 Nipples, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	3.69	
23 21	13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	33.96	10.54
			<i>For Schedule 80 Nipples, Add</i>	9.05	
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21	13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	49.95	13.12
			<i>For Schedule 80 Nipples, Add</i>	15.15	
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21	13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	66.38	15.85
			<i>For Schedule 80 Nipples, Add</i>	21.30	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21	13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	80.20	19.51
			<i>For Schedule 80 Nipples, Add</i>	25.48	
			<i>For Work In Restricted Working Space, Add</i>	8.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.56 5.02 3.16	7.00
23 21	13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.08 3.28 3.16	7.00
23 21	13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.79 3.63 3.16	7.00
23 21	13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.42 5.04 3.40	7.59
23 21	13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.12 6.42 3.69	8.19
23 21	13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.88 7.30 3.69	8.19
23 21	13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.70 10.42 4.76	10.54
23 21	13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.37 16.86 5.90	13.12
23 21	13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.06 23.64 7.13	15.85
23 21	13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.98 29.87 8.77	19.51
23 21	13 23-0286		Black Malleable Iron Bushing <small>(23 21 13 23-0014)</small>		
23 21	13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	23.50 5.41	12.02
23 21	13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	27.25 5.81	12.90
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	28.73 6.25	13.86
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.53 6.19	13.79
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.25 6.63	14.75
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.43 6.99	15.55
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	34.48 6.68	14.82
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	35.41 7.12	15.85
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	35.41 7.47	16.59
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	36.70 7.86	17.47
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	40.16 7.21	16.07
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	38.79 7.65	17.03
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	39.96 8.00	17.77
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	39.64 8.39	18.65
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.91 8.88	19.76
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	51.04 8.48	18.87
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	49.82 8.93	19.83
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	47.90 9.28	20.64
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	48.11 9.66	21.46
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	49.73 10.15	22.56
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.30 10.68	23.74
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.39 12.15	26.99
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	70.67 12.53	27.87
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	72.29 13.02	28.90
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	72.09 13.55	30.15
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	76.11 14.82	32.95
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	89.76 14.94	33.17
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	91.04 15.33	34.06

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	92.66	35.16
		<i>For Work In Restricted Working Space, Add</i>	15.81	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	93.67	36.34
		<i>For Work In Restricted Working Space, Add</i>	16.35	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing.....	95.33	39.14
		<i>For Work In Restricted Working Space, Add</i>	17.62	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	105.44	45.56
		<i>For Work In Restricted Working Space, Add</i>	20.48	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing.....	130.18	35.66
		<i>For Work In Restricted Working Space, Add</i>	16.06	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing.....	131.45	36.54
		<i>For Work In Restricted Working Space, Add</i>	16.44	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing.....	133.06	37.63
		<i>For Work In Restricted Working Space, Add</i>	16.93	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing.....	134.82	38.81
		<i>For Work In Restricted Working Space, Add</i>	17.45	
23 21 13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing.....	134.90	41.58
		<i>For Work In Restricted Working Space, Add</i>	18.71	
23 21 13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing.....	144.38	47.94
		<i>For Work In Restricted Working Space, Add</i>	21.56	
23 21 13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing.....	153.61	54.08
		<i>For Work In Restricted Working Space, Add</i>	24.33	
23 21 13 23-0326		Black Malleable Iron Square Head Plugs <small>(23 21 13 23-0014)</small>		
23 21 13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug.....	10.73	4.35
		<i>For Work In Restricted Working Space, Add</i>	1.97	
23 21 13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug.....	12.32	5.24
		<i>For Work In Restricted Working Space, Add</i>	2.36	
23 21 13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug.....	13.26	5.90
		<i>For Work In Restricted Working Space, Add</i>	2.64	
23 21 13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug.....	15.43	6.56
		<i>For Work In Restricted Working Space, Add</i>	2.95	
23 21 13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug.....	18.20	7.45
		<i>For Work In Restricted Working Space, Add</i>	3.34	
23 21 13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	22.40	8.33
		<i>For Work In Restricted Working Space, Add</i>	3.76	
23 21 13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug.....	29.96	10.61
		<i>For Work In Restricted Working Space, Add</i>	4.78	
23 21 13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug.....	49.10	15.71
		<i>For Work In Restricted Working Space, Add</i>	7.08	
23 21 13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug.....	66.07	20.72
		<i>For Work In Restricted Working Space, Add</i>	9.32	
23 21 13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug.....	107.57	22.73
		<i>For Work In Restricted Working Space, Add</i>	10.23	
23 21 13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug.....	193.39	23.75
		<i>For Work In Restricted Working Space, Add</i>	10.68	
23 21 13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug.....	232.67	24.77
		<i>For Work In Restricted Working Space, Add</i>	11.16	
23 21 13 23-0339		125 LB Black Cast Iron Screwed Flanges <small>(23 21 13 23-0014)</small>		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange.....	124.22	29.49
		<i>For Work In Restricted Working Space, Add</i>	13.27	
23 21 13 23-0341	EA	1", 125 LB, Black Cast Iron Flange.....	100.85	33.32
		<i>For Work In Restricted Working Space, Add</i>	14.99	
23 21 13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange.....	112.60	34.51
		<i>For Work In Restricted Working Space, Add</i>	15.52	
23 21 13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange.....	112.52	37.53
		<i>For Work In Restricted Working Space, Add</i>	16.88	
23 21 13 23-0344	EA	2", 125 LB, Black Cast Iron Flange.....	114.86	39.14
		<i>For Work In Restricted Working Space, Add</i>	17.62	
23 21 13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange.....	133.59	45.34
		<i>For Work In Restricted Working Space, Add</i>	20.38	
23 21 13 23-0346	EA	3", 125 LB, Black Cast Iron Flange.....	170.81	57.50
		<i>For Work In Restricted Working Space, Add</i>	25.87	
23 21 13 23-0347	EA	4", 125 LB, Black Cast Iron Flange.....	230.92	77.98
		<i>For Work In Restricted Working Space, Add</i>	35.08	
23 21 13 23-0348	EA	5", 125 LB, Black Cast Iron Flange.....	300.23	92.89
		<i>For Work In Restricted Working Space, Add</i>	41.76	
23 21 13 23-0349	EA	6", 125 LB, Black Cast Iron Flange.....	342.06	106.63
		<i>For Work In Restricted Working Space, Add</i>	47.96	
23 21 13 23-0350		150 LB, Black Malleable Iron Flanges <small>(23 21 13 23-0014)</small>		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange.....	58.08	26.90
		<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange.....	63.30	29.49
		<i>For Work In Restricted Working Space, Add</i>	13.27	
23 21 13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange.....	74.74	33.32
		<i>For Work In Restricted Working Space, Add</i>	14.99	
23 21 13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange.....	78.21	34.51
		<i>For Work In Restricted Working Space, Add</i>	15.52	
23 21 13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange.....	85.17	37.53
		<i>For Work In Restricted Working Space, Add</i>	16.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	96.41 17.62	39.14
23 21	13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	127.02 20.38	45.34
23 21	13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	160.88 25.86	57.50
23 21	13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	243.76 35.07	77.98
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)					
Note: For use when connecting pipe to an existing in-place system.					
23 21	13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.00 7.20	
23 21	13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.40 7.92	
23 21	13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	28.81 8.64	
23 21	13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.20 9.36	
23 21	13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	32.80 9.84	
23 21	13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.40 10.32	
23 21	13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.01 10.80	
23 21	13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.60 11.28	
23 21	13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.20 11.76	
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	42.40 12.72	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.60 13.68	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	49.60 14.88	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	52.80 15.84	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)					
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)					
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... <i>For Work In Restricted Working Space, Add</i>	18.73 4.11	5.63
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	20.70 4.61	6.01
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	24.88 5.29	6.38
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	26.47 5.53	6.38
23 21	13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	30.09 6.40	6.38
23 21	13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	34.86 7.42	6.38
23 21	13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	40.52 7.83	6.22
23 21	13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	54.46 9.97	8.03
23 21	13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	74.00 11.47	11.96
23 21	13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	112.96 17.02	14.87
23 21	13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	152.28 20.30	18.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-0387	LF 12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	192.33 23.45	22.45
23 21	13 23-0388	LF 14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	218.91 26.17	29.29
23 21	13 23-0389	LF 16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	257.43 29.24	37.17
23 21	13 23-0390	LF 18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	328.64 32.09	46.01
23 21	13 23-0391	LF 20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	429.94 36.73	56.87
23 21	13 23-0392	LF 24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	533.69 40.38	64.45
23 21	13 23-0393	Welded Black Steel Pipe And Fittings (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21	13 23-0394	Welded Plain End Black Steel Piping (23 21 13 23-0393) Note: ASTM A-53		
23 21	13 23-0395	LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.55 1.21 0.18 1.80	3.00
23 21	13 23-0396	LF 1" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.55 1.54 0.25 2.25	3.75
23 21	13 23-0397	LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.01 1.95 0.36 2.70	4.51
23 21	13 23-0398	LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.50 2.38 0.48 3.15	5.26
23 21	13 23-0399	LF 2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.25 2.83 0.57 3.74	6.22
23 21	13 23-0400	LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.68 4.42 0.67 4.23	7.06
23 21	13 23-0401	LF 3" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.01 5.75 1.06 4.55	7.58
23 21	13 23-0402	LF 4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.96 8.25 1.70 5.63	9.38
23 21	13 23-0403	LF 6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.06 12.40 2.86 6.98	15.19
23 21	13 23-0404	LF 8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.86 18.16 4.31 -10.38 9.59	15.98
23 21	13 23-0405	LF 10" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	89.30 24.52 6.10 -14.01 11.55	19.26
23 21	13 23-0406	LF 12" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	113.71 31.66 8.06 -18.09 13.96	23.27
23 21	13 23-0407	LF 14" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule A-106 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	110.32 30.03 7.35 -17.16 -31.25 14.72	24.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	121.25	26.39
			<i>For Schedule 80 Pipe, Add</i>	33.20	
			<i>For Schedule A-106 Pipe, Add</i>	8.22	
			<i>For Schedule 30 Pipe, Deduct</i>	-18.97	
			<i>For Schedule 20 Pipe, Deduct</i>	-34.52	
			<i>For Work In Restricted Working Space, Add</i>	15.83	
23 21	13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	151.99	28.55
			<i>For Schedule 80 Pipe, Add</i>	43.21	
			<i>For Schedule A-106 Pipe, Add</i>	11.39	
			<i>For Schedule 30 Pipe, Deduct</i>	-24.69	
			<i>For Schedule 20 Pipe, Deduct</i>	-44.63	
			<i>For Work In Restricted Working Space, Add</i>	17.13	
23 21	13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	179.82	34.20
			<i>For Schedule 80 Pipe, Add</i>	50.97	
			<i>For Schedule A-106 Pipe, Add</i>	13.37	
			<i>For Work In Restricted Working Space, Add</i>	20.52	
23 21	13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	222.60	39.33
			<i>For Schedule 80 Pipe, Add</i>	64.15	
			<i>For Schedule A-106 Pipe, Add</i>	17.27	
			<i>For Work In Restricted Working Space, Add</i>	23.60	
23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	92.33	47.13
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	20.28	
			<i>For Work In Restricted Working Space, Add</i>	21.19	
23 21	13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	96.03	49.58
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	21.00	
			<i>For Work In Restricted Working Space, Add</i>	22.30	
23 21	13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	106.44	56.50
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	23.03	
			<i>For Work In Restricted Working Space, Add</i>	25.42	
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	113.13	60.95
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	24.34	
			<i>For Work In Restricted Working Space, Add</i>	27.43	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	140.62	79.32
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.70	
			<i>For Work In Restricted Working Space, Add</i>	35.68	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	177.60	99.17
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	37.67	
			<i>For Work In Restricted Working Space, Add</i>	44.60	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	186.61	101.43
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	40.02	
			<i>For Work In Restricted Working Space, Add</i>	45.61	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	319.95	175.26
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	68.40	
			<i>For Work In Restricted Working Space, Add</i>	78.83	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	574.29	289.22
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	126.75	
			<i>For Work In Restricted Working Space, Add</i>	130.10	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	865.01	402.85
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	196.08	
			<i>For Work In Restricted Working Space, Add</i>	181.21	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,169.49	460.46
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	278.37	
			<i>For Work In Restricted Working Space, Add</i>	207.09	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,598.05	602.46
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	384.58	
			<i>For Work In Restricted Working Space, Add</i>	270.96	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,008.11	712.11
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	490.33	
			<i>For Work In Restricted Working Space, Add</i>	320.29	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,533.98	831.57
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	629.29	
			<i>For Work In Restricted Working Space, Add</i>	374.00	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,046.94	927.24
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	768.12	
			<i>For Work In Restricted Working Space, Add</i>	417.04	
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,993.91	1,039.65
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,034.51	
			<i>For Work In Restricted Working Space, Add</i>	467.62	
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,793.21	1,074.37
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,268.84	
			<i>For Work In Restricted Working Space, Add</i>	483.21	
23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	498.51	175.56
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	121.91	
			<i>For Work In Restricted Working Space, Add</i>	78.97	
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	888.91	285.91
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	221.66	
			<i>For Work In Restricted Working Space, Add</i>	128.61	
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	967.82	285.91
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	245.33	
			<i>For Work In Restricted Working Space, Add</i>	128.61	
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,574.80	402.85
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	409.02	
			<i>For Work In Restricted Working Space, Add</i>	181.21	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,762.93 465.46 181.21	402.85
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,242.02 600.12 207.09	460.46
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,242.02 600.12 207.09	460.46
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,801.38 1,043.77 276.12	613.90
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,801.38 1,043.77 276.12	613.90
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,313.13 1,197.30 276.12	613.90
23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)					
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.00 17.60 19.13	42.54
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.25 18.04 19.81	44.04
23 21	13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.01 19.95 22.73	50.56
23 21	13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.00 21.11 24.53	54.55
23 21	13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.02 25.80 31.74	70.52
23 21	13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.85 31.91 39.84	88.60
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.25 37.22 45.60	101.36
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.44 63.75 78.81	175.18
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	535.83 115.27 129.95	288.92
23 21	13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	794.58 174.95 181.21	402.85
23 21	13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,040.19 239.58 207.09	460.46
23 21	13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,408.85 328.00 270.45	601.34
23 21	13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,755.73 414.47 320.72	713.07
23 21	13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,185.32 524.83 373.62	830.68
23 21	13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,598.25 633.68 416.56	926.13
23 21	13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,336.77 837.36 467.62	1,039.65
23 21	13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,934.41 1,011.20 483.21	1,074.37
23 21 13 23-0459 Welded Plain End Black Steel Tee (23 21 13 23-0393)					
23 21	13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.05 39.01 36.01	80.05
23 21	13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.03 39.01 36.00	80.05
23 21	13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.21 44.85 40.05	89.05
23 21	13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.76 48.07 45.02	100.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	255.80 55.71 60.10	133.62
23 21	13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	293.99 64.56 67.52	150.12
23 21	13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	349.37 76.14 81.93	182.30
23 21	13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	500.98 108.83 118.46	263.41
23 21	13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	845.53 185.16 195.71	435.14
23 21	13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,278.03 286.77 276.12	613.90
23 21	13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,673.44 389.28 322.14	716.20
23 21	13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,292.60 542.82 414.18	920.85
23 21	13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,076.98 753.97 483.21	1,074.37
23 21	13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,705.49 908.70 579.85	1,289.21
23 21	13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,043.16 1,267.45 644.28	1,432.46
23 21	13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,886.42 1,812.24 724.82	1,611.54
23 21	13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	8,054.56 2,143.17 780.57	1,735.51
23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)					
23 21	13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	168.32 38.29 34.89	77.58
23 21	13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	172.03 39.01 36.00	80.05
23 21	13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	192.88 43.85 40.05	89.05
23 21	13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	209.43 47.07 45.02	100.08
23 21	13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	263.24 57.93 60.12	133.62
23 21	13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	294.09 64.58 67.55	150.20
23 21	13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	349.72 76.24 81.93	182.30
23 21	13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	501.47 108.98 118.46	263.41
23 21	13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	846.37 185.41 195.71	435.14
23 21	13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,279.64 287.25 276.12	613.90
23 21	13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,676.18 390.10 322.14	716.20
23 21	13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,296.74 544.06 414.18	920.85
23 21	13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,083.65 755.97 483.21	1,074.37
23 21	13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,713.55 911.12 579.85	1,289.21
23 21	13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,056.35 1,291.41 644.28	1,432.46
23 21	13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	7,014.56 1,850.68 724.82	1,611.54

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,626.93 2,314.88 780.57	1,735.51
23 21 13 23-0495 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)					
23 21	13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.83 34.87 21.94	48.79
23 21	13 23-0497	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.95 36.26 24.08	53.54
23 21	13 23-0498	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.08 35.89 23.52	52.29
23 21	13 23-0499	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.58 37.94 26.67	59.29
23 21	13 23-0500	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.32 36.91 25.09	55.79
23 21	13 23-0501	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.46 36.55 24.53	54.55
23 21	13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.76 33.18 31.85	70.80
23 21	13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.16 40.26 30.83	68.54
23 21	13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.91 39.23 29.26	65.05
23 21	13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.28 40.81 40.51	90.06
23 21	13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.73 40.60 36.35	80.80
23 21	13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.11 53.67 35.33	78.55
23 21	13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.40 45.41 45.47	101.06
23 21	13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.14 46.53 45.47	101.06
23 21	13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.05 48.90 45.47	101.06
23 21	13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.30 72.05 78.97	175.56
23 21	13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	336.04 73.17 78.97	175.56
23 21	13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.28 76.54 78.97	175.56
23 21	13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	570.99 126.28 128.61	285.91
23 21	13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	651.70 150.50 128.61	285.91
23 21	13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	833.78 181.63 195.71	435.14
23 21	13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	983.95 226.69 195.71	435.14
23 21	13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.80 217.56 225.07	500.41
23 21	13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,168.35 271.73 225.07	500.41
23 21	13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,405.91 343.00 -209.81 225.07	500.41
23 21	13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,289.34 290.34 275.60	612.71
23 21	13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,500.26 353.62 275.60	612.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,856.81 460.58 -300.21 275.60	612.71
23 21	13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,283.35 288.55 -116.70 275.60	612.71
23 21	13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,724.48 404.60 322.14	716.20
23 21	13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,835.55 437.92 322.14	716.20
23 21	13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,942.99 770.15 322.14	716.20
23 21	13 23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,203.17 534.11 362.41	805.77
23 21	13 23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,530.18 632.21 362.41	805.77
23 21	13 23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,657.48 670.40 -463.82 362.41	805.77
23 21	13 23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,091.55 1,100.62 362.41	805.77
23 21	13 23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,805.15 1,314.70 362.41	805.77
23 21	13 23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,173.28 807.02 414.18	920.85
23 21	13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,702.06 365.65 -102.86 414.18	920.85
23 21	13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,345.11 858.57 -628.64 414.18	920.85
23 21	13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,598.47 934.58 414.18	920.85
23 21	13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,740.39 1,577.15 414.18	920.85
23 21	13 23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,810.30 979.42 -720.50 467.62	1,039.65
23 21	13 23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,804.49 977.68 -718.64 467.62	1,039.65
23 21	13 23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,638.08 1,827.76 -1,625.39 467.62	1,039.65
23 21	13 23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,774.67 2,168.73 467.62	1,039.65
23 21	13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,479.60 2,680.21 467.62	1,039.65
23 21	13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,562.86 1,199.73 -944.69 483.21	1,074.37
23 21	13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,906.38 1,302.79 -1,054.62 483.21	1,074.37
23 21	13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6,502.40 1,781.60 -1,565.34 483.21	1,074.37
23 21	13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,472.45 2,672.61 483.21	1,074.37
23 21	13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,699.45 3,340.71 483.21	1,074.37

23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	123.85	48.79
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.48	
			<i>For Work In Restricted Working Space, Add</i>	21.94	
23 21	13 23-0550	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	130.97	53.54
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.86	
			<i>For Work In Restricted Working Space, Add</i>	24.08	
23 21	13 23-0551	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	129.10	52.29
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.50	
			<i>For Work In Restricted Working Space, Add</i>	23.52	
23 21	13 23-0552	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	139.60	59.29
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	32.55	
			<i>For Work In Restricted Working Space, Add</i>	26.67	
23 21	13 23-0553	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	134.34	55.79
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	31.52	
			<i>For Work In Restricted Working Space, Add</i>	25.09	
23 21	13 23-0554	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	132.48	54.55
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	31.16	
			<i>For Work In Restricted Working Space, Add</i>	24.53	
23 21	13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	138.60	70.80
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.43	
			<i>For Work In Restricted Working Space, Add</i>	31.85	
23 21	13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	135.22	68.54
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.78	
			<i>For Work In Restricted Working Space, Add</i>	30.83	
23 21	13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	142.45	65.05
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	32.50	
			<i>For Work In Restricted Working Space, Add</i>	29.26	
23 21	13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	176.63	90.06
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	38.81	
			<i>For Work In Restricted Working Space, Add</i>	40.51	
23 21	13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	173.99	80.80
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	39.48	
			<i>For Work In Restricted Working Space, Add</i>	36.35	
23 21	13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	188.48	78.55
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	44.18	
			<i>For Work In Restricted Working Space, Add</i>	35.33	
23 21	13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	185.26	101.06
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	39.66	
			<i>For Work In Restricted Working Space, Add</i>	45.47	
23 21	13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	187.76	101.06
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	40.41	
			<i>For Work In Restricted Working Space, Add</i>	45.47	
23 21	13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	193.17	101.06
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	42.04	
			<i>For Work In Restricted Working Space, Add</i>	45.47	
23 21	13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	306.51	175.56
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	64.31	
			<i>For Work In Restricted Working Space, Add</i>	78.97	
23 21	13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	316.08	175.56
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	67.18	
			<i>For Work In Restricted Working Space, Add</i>	78.97	
23 21	13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	316.08	175.56
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	67.18	
			<i>For Work In Restricted Working Space, Add</i>	78.97	
23 21	13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	519.42	285.91
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	110.81	
			<i>For Work In Restricted Working Space, Add</i>	128.61	
23 21	13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	538.55	285.91
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	116.55	
			<i>For Work In Restricted Working Space, Add</i>	128.61	
23 21	13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	771.37	435.14
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	162.91	
			<i>For Work In Restricted Working Space, Add</i>	195.71	
23 21	13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	805.49	435.14
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	173.15	
			<i>For Work In Restricted Working Space, Add</i>	195.71	
23 21	13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	981.14	500.41
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	215.57	
			<i>For Work In Restricted Working Space, Add</i>	225.07	
23 21	13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	967.00	500.41
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	211.32	
			<i>For Work In Restricted Working Space, Add</i>	225.07	
23 21	13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,145.06	500.41
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	264.74	
			<i>For Work In Restricted Working Space, Add</i>	225.07	
23 21	13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,204.05	612.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	264.76	
			<i>For Work In Restricted Working Space, Add</i>	275.60	
23 21	13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,246.81	612.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	277.58	
			<i>For Work In Restricted Working Space, Add</i>	275.60	
23 21	13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,262.29	612.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	282.23	
			<i>For Work In Restricted Working Space, Add</i>	275.60	
23 21	13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,716.18	612.71
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	418.40	
			<i>For Work In Restricted Working Space, Add</i>	275.60	
23 21	13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,503.14	716.20
			<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	338.19	
			<i>For Work In Restricted Working Space, Add</i>	322.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,661.65 385.75 322.14	716.20
23 21	13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,799.36 427.06 322.14	716.20
23 21	13 23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,331.56 586.72 322.14	716.20
23 21	13 23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,959.38 460.97 362.41	805.77
23 21	13 23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,959.38 460.97 362.41	805.77
23 21	13 23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,038.43 484.69 362.41	805.77
23 21	13 23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,300.94 563.44 362.41	805.77
23 21	13 23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,388.13 889.60 362.41	805.77
23 21	13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,201.44 515.47 414.18	920.85
23 21	13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,404.05 576.25 414.18	920.85
23 21	13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,488.92 601.71 414.18	920.85
23 21	13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,719.81 670.98 414.18	920.85
23 21	13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,373.18 1,466.99 414.18	920.85
23 21	13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,967.42 726.56 467.62	1,039.65
23 21	13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,967.42 726.56 467.62	1,039.65
23 21	13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,025.25 743.91 467.62	1,039.65
23 21	13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,367.65 846.63 467.62	1,039.65
23 21	13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,963.40 1,025.35 467.62	1,039.65
23 21	13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,204.12 792.11 483.21	1,074.37
23 21	13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,240.30 802.97 483.21	1,074.37
23 21	13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,311.03 824.18 483.21	1,074.37
23 21	13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,948.53 1,315.43 483.21	1,074.37
23 21	13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,271.79 1,412.41 483.21	1,074.37
23 21	13 23-0602	Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small>			
23 21	13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	48.54 9.87 11.25	25.06
23 21	13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	52.98 10.74 12.38	27.53
23 21	13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	55.17 11.20 12.83	28.51
23 21	13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	67.18 13.31 16.43	36.54
23 21	13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	78.42 15.27 19.81	44.04
23 21	13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	94.09 18.71 22.85	50.79

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.46 30.19 39.49	87.78
23 21	13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.74 51.64 65.24	145.02
23 21	13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	372.74 73.72 91.44	203.32
23 21	13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	503.96 103.10 115.42	256.66
23 21	13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	598.56 123.38 134.85	299.82
23 21	13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	817.10 178.02 161.07	358.10
23 21	13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	948.98 206.76 187.05	415.86
23 21	13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,064.64 233.10 207.09	460.46
23 21	13 23-0617		150 LB, Welded Plain End Black Steel Neck Flanges <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21	13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.95 31.40 25.44	56.57
23 21	13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.97 33.61 31.75	70.60
23 21	13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.18 35.23 36.30	80.72
23 21	13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	200.62 45.46 47.89	106.46
23 21	13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.10 69.57 72.60	161.46
23 21	13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	359.98 96.58 78.36	174.26
23 21	13 23-0624	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	471.95 135.44 98.28	218.48
23 21	13 23-0625	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	582.17 186.36 111.51	247.93
23 21	13 23-0626	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	769.01 270.85 134.85	299.82
23 21	13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,021.59 404.29 156.72	348.43
23 21	13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,278.73 546.61 175.71	390.66
23 21	13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,621.15 692.48 223.02	495.85
23 21	13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,847.65 814.17 241.61	537.18
23 21	13 23-0631		150 LB, Welded Black Steel Slip-On Flanges <small>(23 21 13 23-0393)</small> Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21	13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.81 20.84 20.26	56.57
23 21	13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.14 26.32 24.76	70.60
23 21	13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.62 31.02 29.26	80.72
23 21	13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.04 41.74 38.26	106.46
23 21	13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.04 63.33 56.27	161.46
23 21	13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.64 91.35 71.37	174.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	424.68 145.81 89.21	218.48
23 21	13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	557.71 218.26 107.05	247.93
23 21	13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	709.80 307.85 124.89	299.82
23 21	13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	856.07 404.04 138.27	348.43
23 21	13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	948.59 451.84 151.66	390.66
23 21	13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,053.74 511.02 165.04	495.85
23 21	13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,205.19 576.40 191.80	537.18
23 21	13 23-0645		150 LB, Forged Steel Blind Flanges <small>(23 21 13 23-0393)</small>		
23 21	13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.17 18.72 49.54 12.01	20.01
23 21	13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.45 28.58 77.81 14.41	24.01
23 21	13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.47 31.07 82.64 19.21	32.03
23 21	13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.99 41.96 112.66 24.02	40.03
23 21	13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.62 61.77 168.13 31.22	52.04
23 21	13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.89 93.26 259.96 36.02	60.04
23 21	13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.94 172.61 494.05 43.23	72.04
23 21	13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	446.73 240.55 693.90 50.43	84.05
23 21	13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	765.79 479.11 57.64	96.07
23 21	13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	820.82 506.45 64.84	108.07
23 21	13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	920.94 553.15 79.25	132.08
23 21	13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,187.42 749.64 86.46	144.09
23 21	13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,623.61 1,065.22 100.86	168.11
23 21	13 23-0659		3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small>		
23 21	13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.58 4.16 21.54 14.18	
23 21	13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.29 4.89 23.02 14.86	
23 21	13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.47 5.48 24.67 15.76	
23 21	13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.79 7.77 28.06 16.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0664	EA 1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.30 7.77 30.91 19.13	
23 21 13 23-0665	EA 2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.78 9.71 40.03 25.01	
23 21 13 23-0666	EA 2-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.65 35.24 71.03 32.15	
23 21 13 23-0667	EA 3", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.94 35.45 87.50 45.02	
23 21 13 23-0668	EA 4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.32 69.38 130.94 56.27	
23 21 13 23-0669	Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393) Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0670	EA 3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	13.72 3.84 5.49 9.60	
23 21 13 23-0671	EA 2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.47 4.89 6.99 12.23	
23 21 13 23-0672	EA 2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.65 4.94 7.06 12.36	
23 21 13 23-0673	EA 3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	17.72 4.96 7.09 12.40	
23 21 13 23-0674	EA 4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	39.94 11.18 15.98 27.96	
23 21 13 23-0675	EA 5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	57.06 15.98 22.82 39.94	
23 21 13 23-0676	EA 6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	61.66 17.26 24.66 43.16	
23 21 13 23-0677	EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	67.46 18.89 26.98 47.22	
23 21 13 23-0678	EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	149.60 41.89 59.84 104.72	
23 21 13 23-0679	EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	152.18 42.61 60.87 106.53	
23 21 13 23-0680	EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	170.64 47.78 68.26 119.45	
23 21 13 23-0681	EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	284.10 79.55 113.64 198.87	
23 21 13 23-0682	EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	410.21 114.86 164.08 287.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	518.21	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	145.10	
			For Hot Dip Galvanized, Add	207.28	
			For Advanced Fluoropolymer (Blue Coating), Add	362.75	
23 21	13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	739.11	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	206.95	
			For Hot Dip Galvanized, Add	295.64	
			For Advanced Fluoropolymer (Blue Coating), Add	517.38	
23 21	13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,167.01	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	326.76	
			For Hot Dip Galvanized, Add	466.80	
			For Advanced Fluoropolymer (Blue Coating), Add	816.91	
23 21	13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,661.49	
			Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	465.22	
			For Hot Dip Galvanized, Add	664.60	
			For Advanced Fluoropolymer (Blue Coating), Add	1,163.04	
23 21	13 23-0687		Class 300 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	21.62	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	6.05	
			For Hot Dip Galvanized, Add	8.65	
			For Advanced Fluoropolymer (Blue Coating), Add	15.13	
23 21	13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	40.27	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	11.28	
			For Hot Dip Galvanized, Add	16.11	
			For Advanced Fluoropolymer (Blue Coating), Add	28.19	
23 21	13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	63.07	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	17.66	
			For Hot Dip Galvanized, Add	25.23	
			For Advanced Fluoropolymer (Blue Coating), Add	44.15	
23 21	13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	68.52	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	19.19	
			For Hot Dip Galvanized, Add	27.41	
			For Advanced Fluoropolymer (Blue Coating), Add	47.96	
23 21	13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	69.91	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	19.57	
			For Hot Dip Galvanized, Add	27.96	
			For Advanced Fluoropolymer (Blue Coating), Add	48.94	
23 21	13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	74.48	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	20.85	
			For Hot Dip Galvanized, Add	29.79	
			For Advanced Fluoropolymer (Blue Coating), Add	52.14	
23 21	13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	107.95	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	30.23	
			For Hot Dip Galvanized, Add	43.18	
			For Advanced Fluoropolymer (Blue Coating), Add	75.57	
23 21	13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	167.69	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	46.95	
			For Hot Dip Galvanized, Add	67.08	
			For Advanced Fluoropolymer (Blue Coating), Add	117.38	
23 21	13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	308.08	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	86.26	
			For Hot Dip Galvanized, Add	123.23	
			For Advanced Fluoropolymer (Blue Coating), Add	215.66	
23 21	13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	445.13	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	124.64	
			For Hot Dip Galvanized, Add	178.05	
			For Advanced Fluoropolymer (Blue Coating), Add	311.59	
23 21	13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	609.59	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	170.69	
			For Hot Dip Galvanized, Add	243.84	
			For Advanced Fluoropolymer (Blue Coating), Add	426.71	
23 21	13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	842.32	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	235.85	
			For Hot Dip Galvanized, Add	336.93	
			For Advanced Fluoropolymer (Blue Coating), Add	589.62	
23 21	13 23-0700	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,081.32	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	302.77	
			For Hot Dip Galvanized, Add	432.53	
			For Advanced Fluoropolymer (Blue Coating), Add	756.92	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0701	EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,147.20	
	Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	321.22	
	For Hot Dip Galvanized, Add	458.88	
	For Advanced Fluoropolymer (Blue Coating), Add	803.04	
23 21 13 23-0702	EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,453.48	
	Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
	For Zinc Plated, Add	406.97	
	For Hot Dip Galvanized, Add	581.39	
	For Advanced Fluoropolymer (Blue Coating), Add	1,017.44	
23 21 13 23-0703	EA 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,280.65	
	Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
	For Zinc Plated, Add	638.58	
	For Hot Dip Galvanized, Add	912.26	
	For Advanced Fluoropolymer (Blue Coating), Add	1,596.46	
23 21 13 23-0704	EA 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,466.05	
	Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
	For Zinc Plated, Add	970.49	
	For Hot Dip Galvanized, Add	1,386.42	
	For Advanced Fluoropolymer (Blue Coating), Add	2,426.24	
23 21 13 23-0705	150 LB, Rubber Flange Gasket Replacement ^(23 21 13 23-0393)		
	Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21 13 23-0706	EA 1/2", 150 LB, Rubber Flange Gasket Replacement	22.45	
	For 300 LB Rating Gasket Set, Add	0.11	
	For 150 LB Rating Teflon Gasket Set, Add	2.47	
	For 300 LB Rating Teflon Gasket Set, Add	2.85	
	For Work In Restricted Working Space, Add	6.64	
23 21 13 23-0707	EA 3/4", 150 LB, Rubber Flange Gasket Replacement	24.04	
	For 300 LB Rating Gasket Set, Add	0.15	
	For 150 LB Rating Teflon Gasket Set, Add	3.32	
	For 300 LB Rating Teflon Gasket Set, Add	3.83	
	For Work In Restricted Working Space, Add	7.08	
23 21 13 23-0708	EA 1", 150 LB, Rubber Flange Gasket Replacement	26.57	
	For 300 LB Rating Gasket Set, Add	0.26	
	For 150 LB Rating Teflon Gasket Set, Add	5.80	
	For 300 LB Rating Teflon Gasket Set, Add	6.68	
	For Work In Restricted Working Space, Add	7.75	
23 21 13 23-0709	EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement	28.90	
	For 300 LB Rating Gasket Set, Add	0.30	
	For 150 LB Rating Teflon Gasket Set, Add	6.65	
	For 300 LB Rating Teflon Gasket Set, Add	7.65	
	For Work In Restricted Working Space, Add	8.41	
23 21 13 23-0710	EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement	32.06	
	For 300 LB Rating Gasket Set, Add	0.38	
	For 150 LB Rating Teflon Gasket Set, Add	8.35	
	For 300 LB Rating Teflon Gasket Set, Add	9.61	
	For Work In Restricted Working Space, Add	9.29	
23 21 13 23-0711	EA 2", 150 LB, Rubber Flange Gasket Replacement	35.45	
	For 300 LB Rating Gasket Set, Add	0.53	
	For 150 LB Rating Teflon Gasket Set, Add	11.67	
	For 300 LB Rating Teflon Gasket Set, Add	13.44	
	For Work In Restricted Working Space, Add	10.18	
23 21 13 23-0712	EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement	41.89	
	For 300 LB Rating Gasket Set, Add	0.72	
	For 150 LB Rating Teflon Gasket Set, Add	15.85	
	For 300 LB Rating Teflon Gasket Set, Add	18.25	
	For Work In Restricted Working Space, Add	11.95	
23 21 13 23-0713	EA 3", 150 LB, Rubber Flange Gasket Replacement	44.43	
	For 300 LB Rating Gasket Set, Add	0.83	
	For 150 LB Rating Teflon Gasket Set, Add	18.32	
	For 300 LB Rating Teflon Gasket Set, Add	21.09	
	For Work In Restricted Working Space, Add	12.62	
23 21 13 23-0714	EA 4", 150 LB, Rubber Flange Gasket Replacement	59.22	
	For 300 LB Rating Gasket Set, Add	1.36	
	For 150 LB Rating Teflon Gasket Set, Add	29.99	
	For 300 LB Rating Teflon Gasket Set, Add	34.53	
	For Work In Restricted Working Space, Add	16.60	
23 21 13 23-0715	EA 5", 150 LB, Rubber Flange Gasket Replacement	68.50	
	For 300 LB Rating Gasket Set, Add	1.51	
	For 150 LB Rating Teflon Gasket Set, Add	33.32	
	For 300 LB Rating Teflon Gasket Set, Add	38.36	
	For Work In Restricted Working Space, Add	19.26	
23 21 13 23-0716	EA 6", 150 LB, Rubber Flange Gasket Replacement	78.64	
	For 300 LB Rating Gasket Set, Add	1.96	
	For 150 LB Rating Teflon Gasket Set, Add	43.29	
	For 300 LB Rating Teflon Gasket Set, Add	49.84	
	For Work In Restricted Working Space, Add	21.91	
23 21 13 23-0717	EA 8", 150 LB, Rubber Flange Gasket Replacement	96.73	
	For 300 LB Rating Gasket Set, Add	2.87	
	For 150 LB Rating Teflon Gasket Set, Add	63.31	
	For 300 LB Rating Teflon Gasket Set, Add	72.89	
	For Work In Restricted Working Space, Add	26.56	
23 21 13 23-0718	EA 10", 150 LB, Rubber Flange Gasket Replacement	106.07	
	For 300 LB Rating Gasket Set, Add	4.07	
	For 150 LB Rating Teflon Gasket Set, Add	89.98	
	For 300 LB Rating Teflon Gasket Set, Add	103.60	
	For Work In Restricted Working Space, Add	28.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-0719	EA	12", 150 LB, Rubber Flange Gasket Replacement	121.86	
			<i>For 300 LB Rating Gasket Set, Add</i>	5.20	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	114.95	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	132.34	
			<i>For Work In Restricted Working Space, Add</i>	32.10	
23 21	13 23-0720	EA	14", 150 LB, Rubber Flange Gasket Replacement	128.45	
			<i>For 300 LB Rating Gasket Set, Add</i>	6.22	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	137.44	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	158.24	
			<i>For Work In Restricted Working Space, Add</i>	33.20	
23 21	13 23-0721	EA	16", 150 LB, Rubber Flange Gasket Replacement	167.39	
			<i>For 300 LB Rating Gasket Set, Add</i>	6.94	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	153.29	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	176.49	
			<i>For Work In Restricted Working Space, Add</i>	44.27	
23 21	13 23-0722	EA	18", 150 LB, Rubber Flange Gasket Replacement	182.26	
			<i>For 300 LB Rating Gasket Set, Add</i>	7.24	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	159.93	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	184.14	
			<i>For Work In Restricted Working Space, Add</i>	48.47	
23 21	13 23-0723	EA	20", 150 LB, Rubber Flange Gasket Replacement	219.17	
			<i>For 300 LB Rating Gasket Set, Add</i>	7.77	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	171.61	
			<i>For 300 LB Rating Teflon Gasket Set, Add</i>	197.58	
			<i>For Work In Restricted Working Space, Add</i>	59.09	

23 21 13 23-0724 Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)

Note: For use when connecting pipe to an existing in-place system.

23 21	13 23-0725	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	16.00	
			<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21	13 23-0726	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	17.28	
			<i>For Work In Restricted Working Space, Add</i>	5.18	
23 21	13 23-0727	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	19.44	
			<i>For Work In Restricted Working Space, Add</i>	5.83	
23 21	13 23-0728	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.40	
			<i>For Work In Restricted Working Space, Add</i>	6.12	
23 21	13 23-0729	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.60	
			<i>For Work In Restricted Working Space, Add</i>	6.48	
23 21	13 23-0730	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	23.20	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 21	13 23-0731	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.81	
			<i>For Work In Restricted Working Space, Add</i>	7.44	
23 21	13 23-0732	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.20	
			<i>For Work In Restricted Working Space, Add</i>	8.16	
23 21	13 23-0733	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.60	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
23 21	13 23-0734	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.00	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
23 21	13 23-0735	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.40	
			<i>For Work In Restricted Working Space, Add</i>	10.32	
23 21	13 23-0736	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.60	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0737	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	40.80	
			<i>For Work In Restricted Working Space, Add</i>	12.24	
23 21	13 23-0738	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.01	
			<i>For Work In Restricted Working Space, Add</i>	13.20	
23 21	13 23-0739	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.20	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
23 21	13 23-0740	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.60	
			<i>For Work In Restricted Working Space, Add</i>	14.88	
23 21	13 23-0741	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.00	
			<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21	13 23-0742	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.21	
			<i>For Work In Restricted Working Space, Add</i>	16.56	

23 21 13 23-0743 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)

Note: ASTM A-135.

23 21	13 23-0744	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	16.76	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.05	
23 21	13 23-0745	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	18.50	9.00
			<i>For Work In Restricted Working Space, Add</i>	4.05	
23 21	13 23-0746	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	19.40	8.86
			<i>For Work In Restricted Working Space, Add</i>	3.97	
23 21	13 23-0747	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	24.30	11.25
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 21	13 23-0748	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	39.35	16.65
			<i>For Work In Restricted Working Space, Add</i>	7.49	
23 21	13 23-0749	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	50.81	20.30
			<i>For Work In Restricted Working Space, Add</i>	9.14	
23 21	13 23-0750	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	68.11	25.28
			<i>For Work In Restricted Working Space, Add</i>	11.37	
23 21	13 23-0751	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	82.62	30.48
			<i>For Work In Restricted Working Space, Add</i>	13.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0752 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings.....	105.65	39.55
For Work In Restricted Working Space, Add	17.79	
23 21 13 23-0753 Flanged Steel Fittings (23 21 13 23)		
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.		
23 21 13 23-0754 Flanged Steel Fittings, Standard Weight (23 21 13 23-0753)		
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0755 Flanged Steel, 90 Degree Elbows (23 21 13 23-0754)		
23 21 13 23-0756 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow	400.56	34.42
For Galvanized Fittings, Add	279.16	
For Extra Heavy Weight Fittings, Add	418.74	
23 21 13 23-0757 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	446.78	38.34
For Galvanized Fittings, Add	311.42	
For Extra Heavy Weight Fittings, Add	467.14	
23 21 13 23-0758 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow	442.16	42.32
For Galvanized Fittings, Add	303.01	
For Extra Heavy Weight Fittings, Add	454.51	
23 21 13 23-0759 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow	562.95	49.17
For Galvanized Fittings, Add	391.38	
For Extra Heavy Weight Fittings, Add	587.08	
23 21 13 23-0760 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow	792.74	55.07
For Galvanized Fittings, Add	568.14	
For Extra Heavy Weight Fittings, Add	852.22	
23 21 13 23-0761 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow	835.82	63.92
For Galvanized Fittings, Add	591.99	
For Extra Heavy Weight Fittings, Add	887.99	
23 21 13 23-0762 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,064.79	70.77
For Galvanized Fittings, Add	766.91	
For Extra Heavy Weight Fittings, Add	1,150.37	
23 21 13 23-0763 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0754)		
23 21 13 23-0764 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	759.48	36.42
For Galvanized Fittings, Add	563.94	
For Extra Heavy Weight Fittings, Add	845.90	
23 21 13 23-0765 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	789.92	40.33
For Galvanized Fittings, Add	583.58	
For Extra Heavy Weight Fittings, Add	875.36	
23 21 13 23-0766 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	985.65	45.70
For Galvanized Fittings, Add	733.67	
For Extra Heavy Weight Fittings, Add	1,100.51	
23 21 13 23-0767 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,223.29	48.66
For Galvanized Fittings, Add	920.25	
For Extra Heavy Weight Fittings, Add	1,380.37	
23 21 13 23-0768 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,392.91	56.54
For Galvanized Fittings, Add	1,046.50	
For Extra Heavy Weight Fittings, Add	1,569.76	
23 21 13 23-0769 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,947.46	67.38
For Galvanized Fittings, Add	1,477.17	
For Extra Heavy Weight Fittings, Add	2,215.75	
23 21 13 23-0770 Flanged Steel, 45 Degree Elbows (23 21 13 23-0754)		
23 21 13 23-0771 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow	526.81	34.42
For Galvanized Fittings, Add	380.16	
For Extra Heavy Weight Fittings, Add	570.24	
23 21 13 23-0772 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	548.49	38.34
For Galvanized Fittings, Add	392.79	
For Extra Heavy Weight Fittings, Add	589.19	
23 21 13 23-0773 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow	568.41	42.32
For Galvanized Fittings, Add	404.01	
For Extra Heavy Weight Fittings, Add	606.01	
23 21 13 23-0774 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow	710.25	49.17
For Galvanized Fittings, Add	509.22	
For Extra Heavy Weight Fittings, Add	763.84	
23 21 13 23-0775 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,031.22	55.07
For Galvanized Fittings, Add	758.93	
For Extra Heavy Weight Fittings, Add	1,138.39	
23 21 13 23-0776 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,000.65	63.92
For Galvanized Fittings, Add	723.86	
For Extra Heavy Weight Fittings, Add	1,085.78	
23 21 13 23-0777 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,182.17	70.77
For Galvanized Fittings, Add	860.82	
For Extra Heavy Weight Fittings, Add	1,291.22	
23 21 13 23-0778 Flanged Steel, Tees (23 21 13 23-0754)		
23 21 13 23-0779 EA 2" Standard Weight, Flanged Steel, Tee.....	510.53	51.61
For Galvanized Fittings, Add	346.50	
For Extra Heavy Weight Fittings, Add	519.74	
23 21 13 23-0780 EA 2-1/2" Standard Weight, Flanged Steel, Tee.....	663.16	57.50
For Galvanized Fittings, Add	461.53	
For Extra Heavy Weight Fittings, Add	692.29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0781 EA 3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	600.13 404.02 606.04	63.40
23 21 13 23-0782 EA 4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	864.58 603.20 904.80	73.79
23 21 13 23-0783 EA 5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,295.85 937.60 1,406.40	82.64
23 21 13 23-0784 EA 6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,583.62 1,151.90 1,727.84	95.91
23 21 13 23-0785 EA 8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,751.29 1,267.75 1,901.63	111.10
23 21 13 23-0786 Flanged Steel, Reducing Tees (23 21 13 23-0754)		
23 21 13 23-0787 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	818.03 587.78 881.68	55.59
23 21 13 23-0788 EA 3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	946.12 683.18 1,024.76	61.48
23 21 13 23-0789 EA 4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,643.15 1,230.18 1,845.28	70.32
23 21 13 23-0790 EA 5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,774.54 1,324.10 1,986.14	79.69
23 21 13 23-0791 EA 6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,234.38 1,677.81 2,516.71	91.49
23 21 13 23-0792 EA 8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,794.87 2,112.64 3,168.96	102.77
23 21 13 23-0793 Flanged Steel, Concentric Reducers (23 21 13 23-0754)		
23 21 13 23-0794 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	779.40 575.16 862.74	40.33
23 21 13 23-0795 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	885.70 653.71 980.57	45.70
23 21 13 23-0796 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,321.40 994.60 1,491.90	52.12
23 21 13 23-0797 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,457.79 1,098.41 1,647.61	56.54
23 21 13 23-0798 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,707.23 1,284.98 1,927.48	67.38
23 21 13 23-0799 Flanged Steel, Eccentric Reducers (23 21 13 23-0754)		
23 21 13 23-0800 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	841.51 618.36 927.54	45.70
23 21 13 23-0801 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,148.50 856.28 1,284.42	52.12
23 21 13 23-0802 Plain End Couplings And Fittings (23 21 13 23) Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0803 Plain End Piping System Couplings (23 21 13 23-0802)		
23 21 13 23-0804 Plainlock Plain End Piping System Couplings (23 21 13 23-0803) Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0805 EA 1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	175.26 33.72	4.43
23 21 13 23-0806 EA 1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	177.84 33.72	6.11
23 21 13 23-0807 EA 2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	180.83 33.72	8.11
23 21 13 23-0808 EA 2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	183.37 33.72	9.80
23 21 13 23-0809 EA 3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	216.70 39.80	11.79
23 21 13 23-0810 EA 4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	299.32 55.15	15.71
23 21 13 23-0811 EA 6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	503.92 93.12	25.58

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0812			Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0803) Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0813	EA		1-1/2" Roust-A-Bout Plain End Piping System Coupling.....	210.59	6.11
			<i>For Galvanized Fittings, Add</i>	50.34	
23 21 13 23-0814	EA		2" Roust-A-Bout Plain End Piping System Coupling.....	213.58	8.11
			<i>For Galvanized Fittings, Add</i>	50.34	
23 21 13 23-0815	EA		2-1/2" Roust-A-Bout Plain End Piping System Coupling.....	216.13	9.87
			<i>For Galvanized Fittings, Add</i>	50.34	
23 21 13 23-0816	EA		3" Roust-A-Bout Plain End Piping System Coupling.....	315.99	11.79
			<i>For Galvanized Fittings, Add</i>	74.58	
23 21 13 23-0817	EA		3-1/2" Roust-A-Bout Plain End Piping System Coupling.....	365.87	13.79
			<i>For Galvanized Fittings, Add</i>	86.30	
23 21 13 23-0818	EA		4" Roust-A-Bout Plain End Piping System Coupling.....	368.79	15.71
			<i>For Galvanized Fittings, Add</i>	86.30	
23 21 13 23-0819	EA		5" Roust-A-Bout Plain End Piping System Coupling.....	522.69	19.68
			<i>For Galvanized Fittings, Add</i>	123.30	
23 21 13 23-0820	EA		6" Roust-A-Bout Plain End Piping System Coupling.....	640.70	25.58
			<i>For Galvanized Fittings, Add</i>	150.59	
23 21 13 23-0821	EA		8" Roust-A-Bout Plain End Piping System Coupling.....	1,113.83	30.52
			<i>For Galvanized Fittings, Add</i>	267.02	
23 21 13 23-0822	EA		10" Roust-A-Bout Plain End Piping System Coupling.....	1,443.75	36.12
			<i>For Galvanized Fittings, Add</i>	347.39	
23 21 13 23-0823	EA		12" Roust-A-Bout Plain End Piping System Coupling.....	1,807.75	42.76
			<i>For Galvanized Fittings, Add</i>	435.90	
23 21 13 23-0824	EA		14" Roust-A-Bout Plain End Piping System Coupling.....	2,546.81	47.25
			<i>For Galvanized Fittings, Add</i>	618.98	
23 21 13 23-0825	EA		16" Roust-A-Bout Plain End Piping System Coupling.....	3,470.72	53.45
			<i>For Galvanized Fittings, Add</i>	847.65	
23 21 13 23-0826			Plain End Piping System Fittings (23 21 13 23-0802) Note: Cast ductile iron bodies.		
23 21 13 23-0827			Plain End Piping System, 90 Degree Elbows (23 21 13 23-0826)		
23 21 13 23-0828	EA		1" Plain End Piping System, 90 Degree Elbow.....	171.23	8.04
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0829	EA		1-1/2" Plain End Piping System, 90 Degree Elbow.....	177.42	12.17
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0830	EA		2" Plain End Piping System, 90 Degree Elbow.....	183.28	16.07
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0831	EA		2-1/2" Plain End Piping System, 90 Degree Elbow.....	188.53	19.61
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0832	EA		3" Plain End Piping System, 90 Degree Elbow.....	226.77	23.74
			<i>For Galvanized Fittings, Add</i>	38.24	
23 21 13 23-0833	EA		4" Plain End Piping System, 90 Degree Elbow.....	325.72	31.26
			<i>For Galvanized Fittings, Add</i>	55.76	
23 21 13 23-0834	EA		5" Plain End Piping System, 90 Degree Elbow.....	1,023.81	39.14
			<i>For Galvanized Fittings, Add</i>	193.02	
23 21 13 23-0835	EA		6" Plain End Piping System, 90 Degree Elbow.....	844.22	51.23
			<i>For Galvanized Fittings, Add</i>	153.49	
23 21 13 23-0836	EA		8" Plain End Piping System, 90 Degree Elbow.....	1,712.11	60.82
			<i>For Galvanized Fittings, Add</i>	324.17	
23 21 13 23-0837	EA		10" Plain End Piping System, 90 Degree Elbow.....	2,143.72	71.06
			<i>For Galvanized Fittings, Add</i>	407.44	
23 21 13 23-0838	EA		12" Plain End Piping System, 90 Degree Elbow.....	2,721.79	85.36
			<i>For Galvanized Fittings, Add</i>	518.76	
23 21 13 23-0839			Plain End Piping System, 45 Degree Elbows (23 21 13 23-0826)		
23 21 13 23-0840	EA		1" Plain End Piping System, 45 Degree Elbow.....	171.23	8.04
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0841	EA		1-1/2" Plain End Piping System, 45 Degree Elbow.....	177.42	12.17
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0842	EA		2" Plain End Piping System, 45 Degree Elbow.....	183.28	16.07
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0843	EA		2-1/2" Plain End Piping System, 45 Degree Elbow.....	188.53	19.61
			<i>For Galvanized Fittings, Add</i>	31.84	
23 21 13 23-0844	EA		3" Plain End Piping System, 45 Degree Elbow.....	226.77	23.74
			<i>For Galvanized Fittings, Add</i>	38.24	
23 21 13 23-0845	EA		4" Plain End Piping System, 45 Degree Elbow.....	325.72	31.26
			<i>For Galvanized Fittings, Add</i>	55.76	
23 21 13 23-0846	EA		5" Plain End Piping System, 45 Degree Elbow.....	1,023.81	39.14
			<i>For Galvanized Fittings, Add</i>	193.02	
23 21 13 23-0847	EA		6" Plain End Piping System, 45 Degree Elbow.....	847.17	51.23
			<i>For Galvanized Fittings, Add</i>	154.08	
23 21 13 23-0848	EA		8" Plain End Piping System, 45 Degree Elbow.....	1,981.85	60.82
			<i>For Galvanized Fittings, Add</i>	178.12	
23 21 13 23-0849	EA		10" Plain End Piping System, 45 Degree Elbow.....	1,349.44	71.06
			<i>For Galvanized Fittings, Add</i>	248.58	
23 21 13 23-0850	EA		12" Plain End Piping System, 45 Degree Elbow.....	1,733.66	85.36
			<i>For Galvanized Fittings, Add</i>	321.13	
23 21 13 23-0851			Plain End Piping System, Tees (23 21 13 23-0826)		
23 21 13 23-0852	EA		1" Plain End Piping System, Tee.....	232.60	12.17
			<i>For Galvanized Fittings, Add</i>	42.87	
23 21 13 23-0853	EA		1-1/2" Plain End Piping System, Tee.....	241.75	18.28
			<i>For Galvanized Fittings, Add</i>	42.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0854 EA 2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	249.81 42.87	23.66
23 21 13 23-0855 EA 2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	257.83 42.87	28.98
23 21 13 23-0856 EA 3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	361.91 61.70	35.61
23 21 13 23-0857 EA 4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	498.04 85.80	46.08
23 21 13 23-0858 EA 5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,032.75 188.48	60.23
23 21 13 23-0859 EA 6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,276.17 232.62	75.42
23 21 13 23-0860 EA 8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,749.11 322.31	91.71
23 21 13 23-0861 EA 10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,621.29 492.21	106.89
23 21 13 23-0862 EA 12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,521.20 665.84	128.06
23 21 13 23-0863 Plain End Piping System, Reducing Tees (23 21 13 23-0826)		
23 21 13 23-0864 EA 1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	453.07 84.74	19.61
23 21 13 23-0865 EA 2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	459.14 84.74	23.66
23 21 13 23-0866 EA 2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	467.16 84.74	28.98
23 21 13 23-0867 EA 3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	477.12 84.74	35.61
23 21 13 23-0868 EA 4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	694.54 125.10	46.08
23 21 13 23-0869 EA 6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,175.26 212.44	75.42
23 21 13 23-0870 EA 8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,536.38 279.77	91.71
23 21 13 23-0871 EA 10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,316.80 431.31	106.89
23 21 13 23-0872 EA 12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,434.07 648.42	128.06
23 21 13 23-0873 Plain End Piping System, Wyes (23 21 13 23-0826)		
23 21 13 23-0874 EA 2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	663.32 125.57	23.66
23 21 13 23-0875 EA 2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	671.34 125.57	28.98
23 21 13 23-0876 EA 3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	759.19 141.15	35.61
23 21 13 23-0877 EA 4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,116.61 209.52	46.08
23 21 13 23-0878 EA 5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,365.12 254.95	60.23
23 21 13 23-0879 EA 6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,868.48 351.08	75.42
23 21 13 23-0880 EA 8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,410.92 454.68	91.71
23 21 13 23-0881 EA 10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,512.64 670.48	106.89
23 21 13 23-0882 EA 12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,359.96 1,033.60	128.06
23 21 13 23-0883 Plain End Piping System, Laterals (23 21 13 23-0826)		
23 21 13 23-0884 EA 2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	707.73 134.46	23.66
23 21 13 23-0885 EA 2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	715.75 134.46	28.98
23 21 13 23-0886 EA 3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	803.30 149.97	35.61
23 21 13 23-0887 EA 4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,200.85 226.36	46.08
23 21 13 23-0888 EA 5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,565.76 295.08	60.23
23 21 13 23-0889 EA 6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,997.57 376.90	75.42
23 21 13 23-0890 EA 8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,885.06 549.50	91.71
23 21 13 23-0891 EA 10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	4,038.72 775.69	106.89
23 21 13 23-0892 EA 12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	5,438.15 1,049.23	128.06
23 21 13 23-0893 Plain End Piping System, Crosses (23 21 13 23-0826)		
23 21 13 23-0894 EA 2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	783.07 91.25	35.46

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-0895	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	795.00 91.25	43.42
23 21	13 23-0896	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	926.78 105.83	53.45
23 21	13 23-0897	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,266.64 145.39	69.07
23 21	13 23-0898	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,787.51 206.50	90.38
23 21	13 23-0899	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,350.40 272.67	112.79
23 21	13 23-0900	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,003.20 349.80	136.61
23 21	13 23-0901	EA	10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	4,322.43 510.39	159.68
23 21	13 23-0902	EA	12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	6,175.44 735.93	192.11
23 21	13 23-0903		Plain End Piping System, Adapter Nipples <small>(23 21 13 23-0826)</small> Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21	13 23-0904	EA	1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	23.50 4.22	4.43
23 21	13 23-0905	EA	1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	26.55 4.33	6.11
23 21	13 23-0906	EA	2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	29.46 4.33	8.11
23 21	13 23-0907	EA	2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	35.05 5.08	9.80
23 21	13 23-0908	EA	3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	42.79 6.27	11.79
23 21	13 23-0909	EA	4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	65.54 10.49	15.71
23 21	13 23-0910	EA	6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	142.95 28.37	19.68
23 21	13 23-0911		Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0826)</small>		
23 21	13 23-0912	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	72.53 14.17	10.54
23 21	13 23-0913	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	75.49 14.17	12.53
23 21	13 23-0914	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	78.46 14.17	14.52
23 21	13 23-0915	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	77.74 14.17	14.08
23 21	13 23-0916	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	80.64 14.17	16.00
23 21	13 23-0917	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	83.58 14.17	17.91
23 21	13 23-0918	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	93.31 17.26	16.22
23 21	13 23-0919	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	95.93 17.26	17.91
23 21	13 23-0920	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	82.96 13.27	19.90
23 21	13 23-0921	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	88.67 13.27	23.74
23 21	13 23-0922	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	101.81 15.87	25.58
23 21	13 23-0923	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	127.28 24.27	20.12
23 21	13 23-0924	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	129.87 24.27	21.89
23 21	13 23-0925	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	109.30 18.38	23.88
23 21	13 23-0926	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	111.83 18.38	25.58
23 21	13 23-0927	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	114.84 18.38	27.57
23 21	13 23-0928	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	117.71 18.38	29.49
23 21	13 23-0929	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	312.01 67.58	27.79
23 21	13 23-0930	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	255.78 52.16	31.40
23 21	13 23-0931	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	224.80 42.92	35.46
23 21	13 23-0932	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	560.02 128.77	30.01
23 21	13 23-0933	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	562.56 128.77	31.70
23 21	13 23-0934	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	431.45 95.24	33.69
23 21	13 23-0935	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	434.07 95.24	35.46
23 21	13 23-0936	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	302.91 61.72	37.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0937 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	305.58 61.72	39.14
23 21 13 23-0938 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	249.08 46.81	41.29
23 21 13 23-0939 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	282.44 53.67	45.19
23 21 13 23-0940 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	361.08 74.44	42.24
23 21 13 23-0941 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	367.03 74.44	46.22
23 21 13 23-0942 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	413.96 84.68	50.20
23 21 13 23-0943 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	463.84 94.92	56.10
23 21 13 23-0944 Plain End Piping System, Bull Plugs <small>(23 21 13 23-0826)</small>		
23 21 13 23-0945 EA 1" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	352.73 103.83	4.43
23 21 13 23-0946 EA 1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	355.32 103.83	6.11
23 21 13 23-0947 EA 2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	358.23 103.83	8.11
23 21 13 23-0948 EA 2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	360.85 103.83	9.80
23 21 13 23-0949 EA 3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	525.03 152.20	11.79
23 21 13 23-0950 EA 4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	678.90 196.59	15.71
23 21 13 23-0951 EA 5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,187.56 347.42	19.68
23 21 13 23-0952 EA 6" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,582.93 463.38	25.58
23 21 13 23-0953 EA 8" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	2,949.60 871.17	30.44
23 21 13 23-0954 EA 10" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	5,324.98 1,581.47	35.61
23 21 13 23-0955 EA 12" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	8,170.82 2,432.01	42.76
23 21 13 23-0956 Carbon Steel Piping Systems <small>(23 21 13 23)</small>		
23 21 13 23-0957 Class 3,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0956)</small> Note: ASTM A105		
23 21 13 23-0958 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21 13 23-0959 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	28.97	14.59
23 21 13 23-0960 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	32.59	16.29
23 21 13 23-0961 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	42.32	18.21
23 21 13 23-0962 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	58.91	20.64
23 21 13 23-0963 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	67.44	23.23
23 21 13 23-0964 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	92.13	29.56
23 21 13 23-0965 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	186.95	43.71
23 21 13 23-0966 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	267.45	57.50
23 21 13 23-0967 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	479.59	63.22
23 21 13 23-0968 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21 13 23-0969 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	32.11	14.59
23 21 13 23-0970 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	37.35	16.29
23 21 13 23-0971 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.78	18.21
23 21 13 23-0972 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	60.76	20.64
23 21 13 23-0973 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	71.87	23.23
23 21 13 23-0974 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	92.04	29.56
23 21 13 23-0975 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	214.07	43.71
23 21 13 23-0976 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	290.40	57.50
23 21 13 23-0977 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	469.66	63.22
23 21 13 23-0978 Straight Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21 13 23-0979 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	35.40	18.21
23 21 13 23-0980 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	43.20	21.01
23 21 13 23-0981 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	57.92	24.84
23 21 13 23-0982 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	78.02	29.56
23 21 13 23-0983 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	94.69	35.24
23 21 13 23-0984 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	126.26	43.71
23 21 13 23-0985 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	232.43	57.50
23 21 13 23-0986 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	321.93	68.26
23 21 13 23-0987 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	635.45	79.81
23 21 13 23-0988 Reducing Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21 13 23-0989 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	36.26	18.21
23 21 13 23-0990 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	44.09	21.01
23 21 13 23-0991 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	58.99	24.84
23 21 13 23-0992 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	80.54	29.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-0993	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	97.65	35.24
23 21	13 23-0994	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	130.80	43.71
23 21	13 23-0995	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	243.21	57.50
23 21	13 23-0996	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	337.45	68.26
23 21	13 23-0997	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	580.20	79.81
23 21	13 23-0998		Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0957)		
23 21	13 23-0999	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	25.10	14.59
23 21	13 23-1000	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	28.31	16.29
23 21	13 23-1001	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	33.21	18.21
23 21	13 23-1002	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	38.36	20.64
23 21	13 23-1003	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	44.89	23.23
23 21	13 23-1004	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	58.93	29.56
23 21	13 23-1005	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	102.38	43.71
23 21	13 23-1006	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	137.03	57.50
23 21	13 23-1007	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	196.10	63.22
23 21	13 23-1008		Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0957)		
23 21	13 23-1009	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	26.85	14.59
23 21	13 23-1010	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	30.23	16.29
23 21	13 23-1011	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	36.29	18.21
23 21	13 23-1012	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	42.08	20.64
23 21	13 23-1013	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	50.40	23.23
23 21	13 23-1014	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	64.83	29.56
23 21	13 23-1015	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	115.36	43.71
23 21	13 23-1016	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	163.14	57.50
23 21	13 23-1017	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	250.37	63.22
23 21	13 23-1018		Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0957)		
23 21	13 23-1019	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	15.39	6.85
23 21	13 23-1020	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	17.67	7.30
23 21	13 23-1021	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.76	8.41
23 21	13 23-1022	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	24.30	9.14
23 21	13 23-1023	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	28.20	9.14
23 21	13 23-1024	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	36.61	11.72
23 21	13 23-1025	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	66.56	14.59
23 21	13 23-1026	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	96.88	17.62
23 21	13 23-1027	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	142.34	21.63
23 21	13 23-1028		Black Cast Iron Square Head Plug (23 21 13 23-0957)		
23 21	13 23-1029	EA	1/2" Square Head Plug, Black, Cast Iron.....	9.81	5.82
23 21	13 23-1030	EA	3/4" Square Head Plug, Black, Cast Iron.....	11.48	5.82
23 21	13 23-1031	EA	1" Square Head Plug, Black, Cast Iron.....	16.31	8.84
23 21	13 23-1032	EA	1-1/4" Square Head Plug, Black, Cast Iron.....	16.64	8.84
23 21	13 23-1033	EA	1-1/2" Square Head Plug, Black, Cast Iron.....	18.03	8.84
23 21	13 23-1034	EA	2" Square Head Plug, Black, Cast Iron.....	23.87	11.72
23 21	13 23-1035	EA	2-1/2" Square Head Plug, Black, Cast Iron.....	30.90	14.59
23 21	13 23-1036	EA	3" Square Head Plug, Black, Cast Iron.....	40.97	17.62
23 21	13 23-1037	EA	4" Square Head Plug, Black, Cast Iron.....	49.55	21.63
23 21	13 23-1038		Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0957)		
23 21	13 23-1039	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	45.54	18.21
23 21	13 23-1040	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	50.22	21.01
23 21	13 23-1041	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	64.60	24.84
23 21	13 23-1042	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	82.05	29.56
23 21	13 23-1043	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	98.94	35.24
23 21	13 23-1044	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	123.78	43.71
23 21	13 23-1045	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	220.37	47.47
23 21	13 23-1046	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	297.63	57.50
23 21	13 23-1047		Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0956)		
Note: ASTM A105					
23 21	13 23-1048		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)		
23 21	13 23-1049	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	32.75	14.59
23 21	13 23-1050	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	36.92	16.29
23 21	13 23-1051	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	50.30	18.21
23 21	13 23-1052	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	73.78	20.64
23 21	13 23-1053	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	84.75	23.23
23 21	13 23-1054	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	117.55	29.56
23 21	13 23-1055	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	251.43	43.71
23 21	13 23-1056	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	363.70	57.50
23 21	13 23-1057	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	683.99	63.22
23 21	13 23-1058		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)		
23 21	13 23-1059	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	37.92	14.59
23 21	13 23-1060	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	44.65	16.29



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST					

23 21 13 23-1061	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	53.11	18.21					
23 21 13 23-1062	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	77.66	20.64					
23 21 13 23-1063	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	92.83	23.23					
23 21 13 23-1064	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	119.08	29.56					
23 21 13 23-1065	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	298.17	43.71					
23 21 13 23-1066	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	406.01	57.50					
23 21 13 23-1067	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	681.95	63.22					

23 21 13 23-1068 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1069	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	42.90	18.21					
23 21 13 23-1070	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	54.03	21.01					
23 21 13 23-1071	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	77.09	24.84					
23 21 13 23-1072	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	109.27	29.56					
23 21 13 23-1073	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	133.44	35.24					
23 21 13 23-1074	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	182.52	43.71					
23 21 13 23-1075	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	367.85	57.50					
23 21 13 23-1076	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	525.27	68.26					
23 21 13 23-1077	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,113.17	79.81					

23 21 13 23-1078 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1079	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	36.26	18.21					
23 21 13 23-1080	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	44.09	21.01					
23 21 13 23-1081	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	58.99	24.84					
23 21 13 23-1082	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	80.54	29.56					
23 21 13 23-1083	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	97.65	35.24					
23 21 13 23-1084	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	130.80	43.71					
23 21 13 23-1085	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	243.21	57.50					
23 21 13 23-1086	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	337.45	68.26					
23 21 13 23-1087	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	580.20	79.81					

23 21 13 23-1088 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1089	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	26.67	14.59					
23 21 13 23-1090	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	30.17	16.29					
23 21 13 23-1091	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	36.07	18.21					
23 21 13 23-1092	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	41.97	20.64					
23 21 13 23-1093	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	49.73	23.23					
23 21 13 23-1094	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	66.02	29.56					
23 21 13 23-1095	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	120.20	43.71					
23 21 13 23-1096	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	161.61	57.50					
23 21 13 23-1097	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	245.13	63.22					

23 21 13 23-1098 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1099	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	29.25	14.59					
23 21 13 23-1100	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	33.00	16.29					
23 21 13 23-1101	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	40.60	18.21					
23 21 13 23-1102	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	47.44	20.64					
23 21 13 23-1103	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	57.86	23.23					
23 21 13 23-1104	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	74.69	29.56					
23 21 13 23-1105	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	139.27	43.71					
23 21 13 23-1106	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	200.07	57.50					
23 21 13 23-1107	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	325.08	63.22					

23 21 13 23-1108 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1109	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	18.84	6.85					
23 21 13 23-1110	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	22.20	7.30					
23 21 13 23-1111	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	26.24	8.41					
23 21 13 23-1112	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.44	9.14					
23 21 13 23-1113	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	37.97	9.14					
23 21 13 23-1114	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	49.35	11.72					
23 21 13 23-1115	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	96.58	14.59					
23 21 13 23-1116	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	144.16	17.62					
23 21 13 23-1117	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	216.06	21.63					

23 21 13 23-1118 Black Cast Iron Square Head Plug (23 21 13 23-1047)

23 21 13 23-1119	EA	1/2" Square Head Plug, Black Cast Iron.....	9.81	5.82					
23 21 13 23-1120	EA	3/4" Square Head Plug, Black Cast Iron.....	11.49	5.82					
23 21 13 23-1121	EA	1" Square Head Plug, Black Cast Iron.....	16.33	8.84					
23 21 13 23-1122	EA	1-1/4" Square Head Plug, Black Cast Iron.....	16.66	8.84					
23 21 13 23-1123	EA	1-1/2" Square Head Plug, Black Cast Iron.....	18.05	8.84					
23 21 13 23-1124	EA	2" Square Head Plug, Black Cast Iron.....	23.90	11.72					
23 21 13 23-1125	EA	2-1/2" Square Head Plug, Black Cast Iron.....	30.95	14.59					
23 21 13 23-1126	EA	3" Square Head Plug, Black Cast Iron.....	41.04	17.62					
23 21 13 23-1127	EA	4" Square Head Plug, Black Cast Iron.....	49.64	21.63					

23 21 13 23-1128 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1047)

23 21 13 23-1129	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	56.70	18.21					
23 21 13 23-1130	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	61.67	21.01					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-1131	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	81.33	24.84
23 21	13 23-1132	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	105.15	29.56
23 21	13 23-1133	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	127.13	35.24
23 21	13 23-1134	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	159.40	43.71
23 21	13 23-1135	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	311.58	47.47
23 21	13 23-1136	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	426.90	57.50

23 21 13 23-1137 Carbon Steel, Seamless Piping System (23 21 13 23-0956)

Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.

23 21 13 23-1138 Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1137)

Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.

23 21	13 23-1139	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	5.99	2.73
			<i>For Schedule 80, Add</i>	0.68	
23 21	13 23-1140	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	6.21	2.95
			<i>For Schedule 80, Add</i>	0.63	
			<i>For Schedule 160, Add</i>	2.61	
23 21	13 23-1141	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	6.89	3.17
			<i>For Schedule 80, Add</i>	0.77	
			<i>For Schedule 160, Add</i>	3.20	
23 21	13 23-1142	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.35	3.47
			<i>For Schedule 80, Add</i>	0.79	
			<i>For Schedule 160, Add</i>	3.30	
23 21	13 23-1143	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	9.65	4.28
			<i>For Schedule 80, Add</i>	1.17	
			<i>For Schedule 160, Add</i>	4.86	
23 21	13 23-1144	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	12.02	5.16
			<i>For Schedule 80, Add</i>	1.53	
			<i>For Schedule 160, Add</i>	6.39	

23 21 13 23-1145 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1137)

23 21	13 23-1146	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	21.31	11.21
23 21	13 23-1147	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	25.83	13.12
23 21	13 23-1148	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	28.85	14.68
23 21	13 23-1149	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	33.20	16.36
23 21	13 23-1150	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	53.65	20.93
23 21	13 23-1151	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	67.96	26.61
23 21	13 23-1152	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	22.74	11.21
23 21	13 23-1153	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	26.36	13.12
23 21	13 23-1154	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	30.62	14.68
23 21	13 23-1155	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	37.05	16.36
23 21	13 23-1156	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	62.84	20.93
23 21	13 23-1157	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	78.13	26.61
23 21	13 23-1158	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	31.37	13.12
23 21	13 23-1159	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	36.92	14.68
23 21	13 23-1160	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	43.67	16.36
23 21	13 23-1161	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	81.45	20.93
23 21	13 23-1162	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	127.49	26.61

23 21 13 23-1163 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1137)

23 21	13 23-1164	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	24.27	11.21
23 21	13 23-1165	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	26.98	13.12
23 21	13 23-1166	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	30.34	14.68
23 21	13 23-1167	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	34.33	16.36
23 21	13 23-1168	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	49.97	20.93
23 21	13 23-1169	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	73.63	26.61
23 21	13 23-1170	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	24.50	11.21
23 21	13 23-1171	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	28.29	13.12
23 21	13 23-1172	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	31.85	14.68
23 21	13 23-1173	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	38.26	16.36
23 21	13 23-1174	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	61.42	20.93
23 21	13 23-1175	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	81.30	26.61
23 21	13 23-1176	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	34.83	13.12
23 21	13 23-1177	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	43.16	14.68
23 21	13 23-1178	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	46.01	16.36
23 21	13 23-1179	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	94.73	20.93
23 21	13 23-1180	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	128.36	26.61

23 21 13 23-1181 Straight Tees, Screwed Carbon Steel (23 21 13 23-1137)

23 21	13 23-1182	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	28.44	15.55
23 21	13 23-1183	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	32.56	16.36
23 21	13 23-1184	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	39.25	18.95
23 21	13 23-1185	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	48.40	22.34
23 21	13 23-1186	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	78.90	31.70
23 21	13 23-1187	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	97.82	39.37
23 21	13 23-1188	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	29.66	15.55
23 21	13 23-1189	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	33.36	16.36
23 21	13 23-1190	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	41.91	18.95
23 21	13 23-1191	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	50.68	22.34
23 21	13 23-1192	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	86.79	31.70
23 21	13 23-1193	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	110.88	39.37
23 21	13 23-1194	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	39.36	16.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1195	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	48.36	18.95
23 21	13 23-1196	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	66.64	22.34
23 21	13 23-1197	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	104.92	31.70
23 21	13 23-1198	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	168.67	39.37
23 21 13 23-1199 Crosses, Screwed Carbon Steel (23 21 13 23-1137)					
23 21	13 23-1200	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	43.44	19.68
23 21	13 23-1201	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	51.70	22.11
23 21	13 23-1202	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	55.63	23.59
23 21	13 23-1203	EA	1" Cross, 2,000 LB, Screwed Carbon Steel.....	69.04	28.45
23 21	13 23-1204	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	123.22	39.81
23 21	13 23-1205	EA	2" Cross, 2,000 LB, Screwed Carbon Steel.....	159.79	49.17
23 21	13 23-1206	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	53.21	22.11
23 21	13 23-1207	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	64.26	23.59
23 21	13 23-1208	EA	1" Cross, 3,000 LB, Screwed Carbon Steel.....	76.60	28.45
23 21	13 23-1209	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	134.11	39.81
23 21	13 23-1210	EA	2" Cross, 3,000 LB, Screwed Carbon Steel.....	179.68	49.17
23 21	13 23-1211	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	81.32	22.11
23 21	13 23-1212	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	140.99	23.59
23 21	13 23-1213	EA	1" Cross, 6,000 LB, Screwed Carbon Steel.....	194.83	28.45
23 21	13 23-1214	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	309.92	39.81
23 21	13 23-1215	EA	2" Cross, 6,000 LB, Screwed Carbon Steel.....	337.77	49.17
23 21 13 23-1216 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1137)					
23 21	13 23-1217	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	19.44	11.21
23 21	13 23-1218	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	22.15	13.12
23 21	13 23-1219	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	25.43	14.68
23 21	13 23-1220	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	29.74	16.36
23 21	13 23-1221	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	44.37	20.93
23 21	13 23-1222	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	56.31	26.61
23 21	13 23-1223	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	23.05	11.21
23 21	13 23-1224	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	24.43	13.12
23 21	13 23-1225	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	27.18	14.68
23 21	13 23-1226	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	32.07	16.36
23 21	13 23-1227	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	47.93	20.93
23 21	13 23-1228	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	69.33	26.61
23 21 13 23-1229 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1137)					
23 21	13 23-1230	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	19.94	11.95
23 21	13 23-1231	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	23.33	13.12
23 21	13 23-1232	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	27.24	14.68
23 21	13 23-1233	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	32.24	16.36
23 21	13 23-1234	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	45.02	20.93
23 21	13 23-1235	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	59.82	26.61
23 21	13 23-1236	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	69.48	13.12
23 21	13 23-1237	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	71.82	14.68
23 21	13 23-1238	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	84.20	16.36
23 21	13 23-1239	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	121.88	20.93
23 21	13 23-1240	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	176.15	26.61
23 21 13 23-1241 Caps, Screwed Carbon Steel (23 21 13 23-1137)					
23 21	13 23-1242	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	9.66	5.01
23 21	13 23-1243	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	11.14	5.82
23 21	13 23-1244	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	13.12	6.56
23 21	13 23-1245	EA	1" Cap, 3,000 LB, Screwed Carbon Steel.....	15.99	7.30
23 21	13 23-1246	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	22.00	9.29
23 21	13 23-1247	EA	2" Cap, 3,000 LB, Screwed Carbon Steel.....	30.19	11.87
23 21	13 23-1248	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	13.98	5.01
23 21	13 23-1249	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	13.91	5.82
23 21	13 23-1250	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	17.63	6.56
23 21	13 23-1251	EA	1" Cap, 6,000 LB, Screwed Carbon Steel.....	19.29	7.30
23 21	13 23-1252	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	35.44	9.29
23 21	13 23-1253	EA	2" Cap, 6,000 LB, Screwed Carbon Steel.....	43.28	11.87
23 21 13 23-1254 Nipples, Screwed Carbon Steel (23 21 13 23-1137)					
23 21	13 23-1255	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel.....	11.99	6.71
23 21	13 23-1256	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel.....	12.17	7.00
23 21	13 23-1257	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel.....	12.06	7.00
23 21	13 23-1258	EA	1" Nipple, 2" Long, Screwed Carbon Steel.....	13.53	7.59
23 21	13 23-1259	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	15.59	8.19
23 21	13 23-1260	EA	2" Nipple, 2" Long, Screwed Carbon Steel.....	18.35	10.54
23 21	13 23-1261	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel.....	12.81	6.71
23 21	13 23-1262	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel.....	12.83	7.00
23 21	13 23-1263	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel.....	12.80	7.00
23 21	13 23-1264	EA	1" Nipple, 4" Long, Screwed Carbon Steel.....	14.53	7.59
23 21	13 23-1265	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	17.37	8.19
23 21	13 23-1266	EA	2" Nipple, 4" Long, Screwed Carbon Steel.....	20.96	10.54
23 21	13 23-1267	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel.....	14.79	6.71
23 21	13 23-1268	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel.....	13.87	7.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-1269	EA 3/4" Nipple, 6" Long, Screwed Carbon Steel.....	13.96	7.00
23 21	13 23-1270	EA 1" Nipple, 6" Long, Screwed Carbon Steel.....	15.96	7.59
23 21	13 23-1271	EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	19.81	8.19
23 21	13 23-1272	EA 2" Nipple, 6" Long, Screwed Carbon Steel.....	23.11	10.54
23 21 13 23-1273 Unions, Screwed Carbon Steel (23 21 13 23-1137)				
23 21	13 23-1274	EA 1/4" Union, 3,000 LB, Screwed Carbon Steel.....	25.03	16.29
23 21	13 23-1275	EA 1/2" Union, 3,000 LB, Screwed Carbon Steel.....	25.98	16.36
23 21	13 23-1276	EA 3/4" Union, 3,000 LB, Screwed Carbon Steel.....	29.80	18.95
23 21	13 23-1277	EA 1" Union, 3,000 LB, Screwed Carbon Steel.....	35.62	22.34
23 21	13 23-1278	EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	51.13	31.70
23 21	13 23-1279	EA 2" Union, 3,000 LB, Screwed Carbon Steel.....	63.48	39.37
23 21	13 23-1280	EA 1/4" Union, 6,000 LB, Screwed Carbon Steel.....	44.17	16.29
23 21	13 23-1281	EA 1/2" Union, 6,000 LB, Screwed Carbon Steel.....	49.12	16.36
23 21	13 23-1282	EA 3/4" Union, 6,000 LB, Screwed Carbon Steel.....	57.82	18.95
23 21	13 23-1283	EA 1" Union, 6,000 LB, Screwed Carbon Steel.....	70.15	22.34
23 21	13 23-1284	EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	121.73	31.70
23 21	13 23-1285	EA 2" Union, 6,000 LB, Screwed Carbon Steel.....	150.38	39.37
23 21 13 23-1286 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1137)				
23 21	13 23-1287	EA 1/2" Flange, 150 LB, Screwed Carbon Steel.....	55.86	30.44
23 21	13 23-1288	EA 3/4" Flange, 150 LB, Screwed Carbon Steel.....	58.40	31.92
23 21	13 23-1289	EA 1" Flange, 150 LB, Screwed Carbon Steel.....	60.47	33.32
23 21	13 23-1290	EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	67.15	37.53
23 21	13 23-1291	EA 2" Flange, 150 LB, Screwed Carbon Steel.....	69.60	39.14
23 21	13 23-1292	EA 1/2" Flange, 300 LB, Screwed Carbon Steel.....	56.50	30.44
		<i>For Ring Type Joint, Add</i>	10.82	
		<i>For Blind Flange, Deduct</i>	-20.44	
23 21	13 23-1293	EA 3/4" Flange, 300 LB, Screwed Carbon Steel.....	59.09	31.92
		<i>For Ring Type Joint, Add</i>	11.19	
		<i>For Blind Flange, Deduct</i>	-21.40	
23 21	13 23-1294	EA 1" Flange, 300 LB, Screwed Carbon Steel.....	61.51	33.32
		<i>For Ring Type Joint, Add</i>	11.54	
		<i>For Blind Flange, Deduct</i>	-22.30	
23 21	13 23-1295	EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	69.63	37.53
		<i>For Ring Type Joint, Add</i>	13.35	
		<i>For Blind Flange, Deduct</i>	-25.18	
23 21	13 23-1296	EA 2" Flange, 300 LB, Screwed Carbon Steel.....	72.08	39.14
		<i>For Ring Type Joint, Add</i>	13.35	
		<i>For Blind Flange, Deduct</i>	-26.16	
23 21	13 23-1297	EA 1/2" Flange, 600 LB, Screwed Carbon Steel.....	60.76	30.44
		<i>For Ring Type Joint, Add</i>	15.08	
		<i>For Blind Flange, Deduct</i>	-21.29	
23 21	13 23-1298	EA 3/4" Flange, 600 LB, Screwed Carbon Steel.....	62.98	31.92
		<i>For Ring Type Joint, Add</i>	15.08	
		<i>For Blind Flange, Deduct</i>	-22.18	
23 21	13 23-1299	EA 1" Flange, 600 LB, Screwed Carbon Steel.....	65.74	33.32
		<i>For Ring Type Joint, Add</i>	15.77	
		<i>For Blind Flange, Deduct</i>	-23.14	
23 21	13 23-1300	EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	74.87	37.53
		<i>For Ring Type Joint, Add</i>	18.59	
		<i>For Blind Flange, Deduct</i>	-26.23	
23 21	13 23-1301	EA 2" Flange, 600 LB, Screwed Carbon Steel.....	76.03	39.14
		<i>For Ring Type Joint, Add</i>	17.30	
		<i>For Blind Flange, Deduct</i>	-26.95	
23 21 13 23-1302 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)				
23 21	13 23-1303	EA 1/4" Square Head Plug, Screwed Carbon Steel.....	4.04	2.06
23 21	13 23-1304	EA 1/2" Square Head Plug, Screwed Carbon Steel.....	4.84	2.44
23 21	13 23-1305	EA 3/4" Square Head Plug, Screwed Carbon Steel.....	5.63	2.80
23 21	13 23-1306	EA 1" Square Head Plug, Screwed Carbon Steel.....	8.20	4.12
23 21	13 23-1307	EA 1-1/2" Square Head Plug, Screwed Carbon Steel.....	10.72	4.12
23 21	13 23-1308	EA 2" Square Head Plug, Screwed Carbon Steel.....	15.62	5.38
23 21 13 23-1309 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)				
23 21	13 23-1310	EA 1/4" Hex Head Plug, Screwed Carbon Steel.....	3.79	2.06
23 21	13 23-1311	EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	4.61	2.44
23 21	13 23-1312	EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	5.48	2.80
23 21	13 23-1313	EA 1" Hex Head Plug, Screwed Carbon Steel.....	8.07	4.12
23 21	13 23-1314	EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	10.16	4.12
23 21	13 23-1315	EA 2" Hex Head Plug, Screwed Carbon Steel.....	16.01	5.38
23 21 13 23-1316 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)				
23 21	13 23-1317	EA 1/4" Round Head Plug, Screwed Carbon Steel.....	4.61	2.06
23 21	13 23-1318	EA 1/2" Round Head Plug, Screwed Carbon Steel.....	4.88	2.44
23 21	13 23-1319	EA 3/4" Round Head Plug, Screwed Carbon Steel.....	5.52	2.80
23 21	13 23-1320	EA 1" Round Head Plug, Screwed Carbon Steel.....	8.29	4.12
23 21	13 23-1321	EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	11.41	4.12
23 21	13 23-1322	EA 2" Round Head Plug, Screwed Carbon Steel.....	15.86	5.38

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-1323		Hexagon Bushings, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1324	EA	1/4" Hex Bushing, Screwed Carbon Steel	3.98	2.06
23 21 13 23-1325	EA	1/2" Hex Bushing, Screwed Carbon Steel	4.60	2.44
23 21 13 23-1326	EA	3/4" Hex Bushing, Screwed Carbon Steel	5.41	2.80
23 21 13 23-1327	EA	1" Hex Bushing, Screwed Carbon Steel	8.25	4.12
23 21 13 23-1328	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	10.12	4.12
23 21 13 23-1329	EA	2" Hex Bushing, Screwed Carbon Steel	15.43	5.38

23 21 13 23-1330		90 Degree Street Elbows, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1331	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	25.89	11.21
23 21 13 23-1332	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.42	13.12
23 21 13 23-1333	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.55	14.68
23 21 13 23-1334	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.62	16.36
23 21 13 23-1335	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	65.73	20.93
23 21 13 23-1336	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	88.92	26.61
23 21 13 23-1337	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.50	13.12
23 21 13 23-1338	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	61.14	14.68
23 21 13 23-1339	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	85.12	16.36
23 21 13 23-1340	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	188.14	20.93

23 21 13 23-1341		Screwed Carbon Steel Laterals <small>(23 21 13 23-1137)</small>		
23 21 13 23-1342	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	114.65	16.36
23 21 13 23-1343	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	138.02	18.95
23 21 13 23-1344	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	169.02	22.34
23 21 13 23-1345	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	216.77	31.70
23 21 13 23-1346	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	270.49	39.37
23 21 13 23-1347	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	145.21	16.36
23 21 13 23-1348	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	183.46	18.95
23 21 13 23-1349	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	217.60	22.34
23 21 13 23-1350	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	306.09	31.70

23 21 13 23-1351 **Grooved-Joint Pipe** (23 21 13 23)
 Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1352		Schedule 10 Black Grooved Pipe <small>(23 21 13 23-1351)</small>		
23 21 13 23-1353	LF	2" Black Schedule 10 Grooved Pipe	23.48	9.36
23 21 13 23-1354	LF	2-1/2" Black Schedule 10 Grooved Pipe	31.53	12.83
23 21 13 23-1355	LF	3" Black Schedule 10 Grooved Pipe	35.52	14.23
23 21 13 23-1356	LF	3-1/2" Black Schedule 10 Grooved Pipe	40.29	14.75
23 21 13 23-1357	LF	4" Black Schedule 10 Grooved Pipe	42.59	16.00
23 21 13 23-1358	LF	5" Black Schedule 10 Grooved Pipe	62.09	19.61
23 21 13 23-1359	LF	6" Black Schedule 10 Grooved Pipe	78.36	27.87
23 21 13 23-1360	LF	8" Black Schedule 10 Grooved Pipe	111.50	31.26
23 21 13 23-1361	LF	10" Black Schedule 10 Grooved Pipe	140.75	37.67
23 21 13 23-1362	LF	12" Black Schedule 10 Grooved Pipe	162.87	42.68

23 21 13 23-1363		Schedule 40 Black Grooved Pipe <small>(23 21 13 23-1351)</small>		
23 21 13 23-1364	LF	3/4" Black Schedule 40 Grooved Pipe	14.04	5.68
23 21 13 23-1365	LF	1" Black Schedule 40 Grooved Pipe	15.87	6.42
23 21 13 23-1366	LF	1-1/4" Black Schedule 40 Grooved Pipe	18.25	6.93
23 21 13 23-1367	LF	1-1/2" Black Schedule 40 Grooved Pipe	20.76	7.88
23 21 13 23-1368	LF	2" Black Schedule 40 Grooved Pipe	26.12	10.03
23 21 13 23-1369	LF	2-1/2" Black Schedule 40 Grooved Pipe	36.53	13.72
23 21 13 23-1370	LF	3" Black Schedule 40 Grooved Pipe	43.47	15.63
23 21 13 23-1371	LF	4" Black Schedule 40 Grooved Pipe	54.51	17.39
23 21 13 23-1372	LF	5" Black Schedule 40 Grooved Pipe	76.86	21.15
23 21 13 23-1373	LF	6" Black Schedule 40 Grooved Pipe	102.08	30.52
23 21 13 23-1374	LF	8" Black Schedule 40 Grooved Pipe	139.34	34.58
23 21 13 23-1375	LF	10" Black Schedule 40 Grooved Pipe	196.23	41.29
23 21 13 23-1376	LF	12" Black Schedule 40 Grooved Pipe	231.95	47.40
23 21 13 23-1377	LF	14" Black Schedule 40 Grooved Pipe	305.25	64.06
23 21 13 23-1378	LF	16" Black Schedule 40 Grooved Pipe	353.42	75.34
23 21 13 23-1379	LF	18" Black Schedule 40 Grooved Pipe	440.08	91.49
23 21 13 23-1380	LF	20" Black Schedule 40 Grooved Pipe	506.66	106.67
23 21 13 23-1381	LF	24" Black Schedule 40 Grooved Pipe	669.83	128.06

23 21 13 23-1382		Schedule 80 Black Grooved Pipe <small>(23 21 13 23-1351)</small>		
23 21 13 23-1383	LF	3/4" Black Schedule 80 Grooved Pipe	15.40	6.20
23 21 13 23-1384	LF	1" Black Schedule 80 Grooved Pipe	17.27	6.56
23 21 13 23-1385	LF	1-1/4" Black Schedule 80 Grooved Pipe	20.56	7.30
23 21 13 23-1386	LF	1-1/2" Black Schedule 80 Grooved Pipe	23.48	8.19
23 21 13 23-1387	LF	2" Black Schedule 80 Grooved Pipe	30.40	10.54
23 21 13 23-1388	LF	2-1/2" Black Schedule 80 Grooved Pipe	43.07	14.52
23 21 13 23-1389	LF	3" Black Schedule 80 Grooved Pipe	52.01	16.29
23 21 13 23-1390	LF	4" Black Schedule 80 Grooved Pipe	67.09	17.77
23 21 13 23-1391	LF	5" Black Schedule 80 Grooved Pipe	105.59	22.34
23 21 13 23-1392	LF	6" Black Schedule 80 Grooved Pipe	135.60	32.00
23 21 13 23-1393	LF	8" Black Schedule 80 Grooved Pipe	210.26	36.57
23 21 13 23-1394	LF	10" Black Schedule 80 Grooved Pipe	262.58	44.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1395	LF	12" Black Schedule 80 Grooved Pipe	272.13	53.38
23 21	13 23-1396		Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1396)		
23 21	13 23-1397	LF	3/4" Galvanized Schedule 40 Grooved Pipe	14.63	5.68
23 21	13 23-1398	LF	1" Galvanized Schedule 40 Grooved Pipe	17.10	6.42
23 21	13 23-1399	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	19.18	6.93
23 21	13 23-1400	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	21.84	7.88
23 21	13 23-1401	LF	2" Galvanized Schedule 40 Grooved Pipe	27.57	10.03
23 21	13 23-1402	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	38.86	13.72
23 21	13 23-1403	LF	3" Galvanized Schedule 40 Grooved Pipe	46.59	15.63
23 21	13 23-1404	LF	4" Galvanized Schedule 40 Grooved Pipe	58.92	17.39
23 21	13 23-1405	LF	5" Galvanized Schedule 40 Grooved Pipe	85.17	21.15
23 21	13 23-1406	LF	6" Galvanized Schedule 40 Grooved Pipe	113.43	30.52
23 21	13 23-1407	LF	8" Galvanized Schedule 40 Grooved Pipe	154.95	34.58
23 21	13 23-1408	LF	10" Galvanized Schedule 40 Grooved Pipe	223.87	41.29
23 21	13 23-1409	LF	12" Galvanized Schedule 40 Grooved Pipe	265.43	47.40
23 21	13 23-1410		Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1396)		
23 21	13 23-1411	LF	3/4" Galvanized Schedule 80 Grooved Pipe	15.65	6.20
23 21	13 23-1412	LF	1" Galvanized Schedule 80 Grooved Pipe	21.46	6.56
23 21	13 23-1413	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	21.23	7.30
23 21	13 23-1414	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	28.35	8.70
23 21	13 23-1415	LF	2" Galvanized Schedule 80 Grooved Pipe	31.57	10.54
23 21	13 23-1416	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	45.04	14.52
23 21	13 23-1417	LF	3" Galvanized Schedule 80 Grooved Pipe	54.99	16.29
23 21	13 23-1418	LF	4" Galvanized Schedule 80 Grooved Pipe	71.21	17.77
23 21	13 23-1419	LF	5" Galvanized Schedule 80 Grooved Pipe	110.43	22.34
23 21	13 23-1420	LF	6" Galvanized Schedule 80 Grooved Pipe	140.96	32.00
23 21	13 23-1421	LF	8" Galvanized Schedule 80 Grooved Pipe	218.97	36.57
23 21	13 23-1422	LF	10" Galvanized Schedule 80 Grooved Pipe	260.16	44.16
23 21	13 23-1423	LF	12" Galvanized Schedule 80 Grooved Pipe	281.98	53.38
23 21	13 23-1424		Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
			Note: Couplings are not included with fittings.		
23 21	13 23-1425		Grooved Elbows (23 21 13 23-1424)		
23 21	13 23-1426		90 Degree Grooved Elbows (23 21 13 23-1425)		
			Note: Victaulic No. 10		
23 21	13 23-1427	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	98.01	8.04
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1428	EA	1", Ductile Iron, Grooved 90 Degree Elbow	98.01	8.04
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1429	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	101.02	10.03
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1430	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	104.21	12.17
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1431	EA	2", Ductile Iron, Grooved 90 Degree Elbow	110.06	16.07
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1432	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	115.31	19.61
			For Galvanized Fittings, Add	28.37	
23 21	13 23-1433	EA	3", Ductile Iron, Grooved 90 Degree Elbow	188.29	23.74
			For Galvanized Fittings, Add	50.39	
23 21	13 23-1434	EA	4", Ductile Iron, Grooved 90 Degree Elbow	213.29	31.33
			For Galvanized Fittings, Add	54.89	
23 21	13 23-1435	EA	5", Ductile Iron, Grooved 90 Degree Elbow	463.57	39.14
			For Galvanized Fittings, Add	133.61	
23 21	13 23-1436	EA	6", Ductile Iron, Grooved 90 Degree Elbow	547.32	51.23
			For Galvanized Fittings, Add	155.27	
23 21	13 23-1437	EA	8", Ductile Iron, Grooved 90 Degree Elbow	1,081.73	60.97
			For Galvanized Fittings, Add	326.80	
23 21	13 23-1438	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,649.57	71.14
			For Galvanized Fittings, Add	509.16	
23 21	13 23-1439	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,601.02	85.36
			For Galvanized Fittings, Add	816.10	
23 21	13 23-1440	EA	14", Steel, Grooved 90 Degree Elbow	5,287.51	96.35
			For Galvanized Fittings, Add	1,697.20	
23 21	13 23-1441	EA	16", Steel, Grooved 90 Degree Elbow	6,889.66	106.67
			For Galvanized Fittings, Add	2,220.80	
23 21	13 23-1442	EA	18", Steel, Grooved 90 Degree Elbow	8,709.93	116.55
			For Galvanized Fittings, Add	2,816.62	
23 21	13 23-1443	EA	20", Steel, Grooved 90 Degree Elbow	11,397.91	121.19
			For Galvanized Fittings, Add	3,701.33	
23 21	13 23-1444	EA	24", Steel, Grooved 90 Degree Elbow	16,355.12	143.32
			For Galvanized Fittings, Add	5,326.31	
23 21	13 23-1445		45 Degree Grooved Elbows (23 21 13 23-1425)		
			Note: Victaulic No. 11		
23 21	13 23-1446	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	97.95	8.04
			For Galvanized Fittings, Add	20.62	
23 21	13 23-1447	EA	1", Ductile Iron, Grooved 45 Degree Elbow	97.95	8.04
			For Galvanized Fittings, Add	20.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1448	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	100.96 20.62	10.03
23 21	13 23-1449	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	104.15 20.62	12.17
23 21	13 23-1450	EA	2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	110.00 20.62	16.07
23 21	13 23-1451	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	115.25 20.62	19.61
23 21	13 23-1452	EA	3", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	188.23 36.64	23.74
23 21	13 23-1453	EA	4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	213.29 39.92	31.33
23 21	13 23-1454	EA	5", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	463.57 97.17	39.14
23 21	13 23-1455	EA	6", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	547.32 112.93	51.23
23 21	13 23-1456	EA	8", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,081.73 237.67	60.97
23 21	13 23-1457	EA	10", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,649.57 370.30	71.14
23 21	13 23-1458	EA	12", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,601.02 593.53	85.36
23 21	13 23-1459	EA	14", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,287.51 1,234.32	96.35
23 21	13 23-1460	EA	16", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	6,889.66 1,615.13	106.67
23 21	13 23-1461	EA	18", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	8,709.93 2,048.45	116.55
23 21	13 23-1462	EA	20", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	11,398.24 2,691.88	121.42
23 21	13 23-1463	EA	24", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	16,355.12 3,873.68	143.32
23 21 13 23-1464 22-1/2 Degree Grooved Elbows (23 21 13 23-1425)					
Note: Victaulic No. 12					
23 21	13 23-1465	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	103.61 21.97	8.04
23 21	13 23-1466	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.62 21.97	10.03
23 21	13 23-1467	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	109.81 21.97	12.17
23 21	13 23-1468	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	115.66 21.97	16.07
23 21	13 23-1469	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	120.91 21.97	19.61
23 21	13 23-1470	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	169.49 32.14	23.74
23 21	13 23-1471	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	226.52 43.09	31.33
23 21	13 23-1472	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	615.52 133.64	39.14
23 21	13 23-1473	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	585.48 122.09	51.23
23 21	13 23-1474	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,155.76 255.44	60.97
23 21	13 23-1475	EA	10", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,567.87 350.69	71.14
23 21	13 23-1476	EA	12", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,103.41 474.10	85.36
23 21	13 23-1477	EA	14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,426.15 547.60	96.35
23 21	13 23-1478	EA	16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,896.51 656.77	106.67
23 21	13 23-1479	EA	18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,488.87 795.40	116.55
23 21	13 23-1480	EA	20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,099.97 940.37	121.19
23 21	13 23-1481	EA	24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,480.04 1,263.66	143.32
23 21 13 23-1482 11-1/4 Degree Grooved Elbows (23 21 13 23-1425)					
Note: Victaulic No. 13					
23 21	13 23-1483	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	103.61 21.97	8.04
23 21	13 23-1484	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.62 21.97	10.03
23 21	13 23-1485	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	109.81 21.97	12.17
23 21	13 23-1486	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	115.66 21.97	16.07
23 21	13 23-1487	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	120.91 21.97	19.61
23 21	13 23-1488	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	169.48 32.14	23.74
23 21	13 23-1489	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	226.51 43.09	31.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1490	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	615.50 133.63	39.14
23 21	13 23-1491	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	585.45 122.08	51.23
23 21	13 23-1492	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,155.69 255.42	60.97
23 21	13 23-1493	EA	10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,567.79 350.67	71.14
23 21	13 23-1494	EA	12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,103.30 474.07	85.36
23 21	13 23-1495	EA	14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,426.03 547.57	96.35
23 21	13 23-1496	EA	16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,896.38 656.73	106.75
23 21	13 23-1497	EA	18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,488.67 795.36	116.55
23 21	13 23-1498	EA	20", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,099.75 940.32	121.19
23 21	13 23-1499	EA	24", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,479.76 1,263.59	143.32
23 21 13 23-1500 90 Degree Grooved Long Radius Elbows (23 21 13 23-1425)					
Note: Victaulic No. 100					
23 21	13 23-1501	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	220.62 47.16	16.07
23 21	13 23-1502	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	599.59 136.86	19.61
23 21	13 23-1503	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	232.10 47.16	23.74
23 21	13 23-1504	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	341.35 70.65	31.33
23 21	13 23-1505	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,567.61 362.14	39.14
23 21	13 23-1506	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	938.00 206.69	51.23
23 21	13 23-1507	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	2,157.16 495.78	60.97
23 21	13 23-1508	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,389.81 1,027.96	71.14
23 21	13 23-1509	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	5,235.65 1,225.84	85.36
23 21 13 23-1510 Grooved Tees, Wyes And Crosses (23 21 13 23-1424)					
23 21 13 23-1511 Grooved Tees (23 21 13 23-1510)					
Note: Victaulic No. 20					
23 21	13 23-1512	EA	3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	147.20 39.41	10.54
23 21	13 23-1513	EA	1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	149.60 39.41	12.17
23 21	13 23-1514	EA	1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	153.66 39.41	14.89
23 21	13 23-1515	EA	1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	158.73 39.41	18.28
23 21	13 23-1516	EA	2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	166.78 39.41	23.66
23 21	13 23-1517	EA	2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	174.83 39.41	28.98
23 21	13 23-1518	EA	3", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	237.36 55.20	35.61
23 21	13 23-1519	EA	4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	351.30 84.68	46.08
23 21	13 23-1520	EA	5", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	752.50 198.66	60.23
23 21	13 23-1521	EA	6", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	878.26 229.60	75.34
23 21	13 23-1522	EA	8", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	1,808.92 501.54	91.49
23 21	13 23-1523	EA	10", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	3,145.32 895.60	106.67
23 21	13 23-1524	EA	12", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,371.45 1,253.84	128.06
23 21	13 23-1525	EA	14", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,772.73 1,367.83	142.28
23 21	13 23-1526	EA	16", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	6,022.37 1,742.35	143.09
23 21	13 23-1527	EA	18", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	7,509.99 2,182.01	157.83
23 21	13 23-1528	EA	20", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	10,661.89 3,126.46	160.34
23 21	13 23-1529	EA	24", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	16,307.63 4,803.68	196.99
23 21 13 23-1530 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1510)					
Note: Victaulic No. 33					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1531	EA	1", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	572.47 88.68	12.17
23 21	13 23-1532	EA	1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	576.53 88.68	14.89
23 21	13 23-1533	EA	1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	581.60 88.68	18.28
23 21	13 23-1534	EA	2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	589.65 88.68	23.66
23 21	13 23-1535	EA	2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	597.70 88.68	28.98
23 21	13 23-1536	EA	3", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	715.84 106.00	35.61
23 21	13 23-1537	EA	4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	936.79 138.84	46.08
23 21	13 23-1538	EA	5", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,334.08 199.00	60.23
23 21	13 23-1539	EA	6", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,651.84 246.23	75.34
23 21	13 23-1540	EA	8", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	2,353.59 354.63	91.49
23 21	13 23-1541	EA	10", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,985.55 612.09	106.67
23 21	13 23-1542	EA	12", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,418.35 676.22	128.06
23 21	13 23-1543	EA	14", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	5,039.35 772.17	142.28
23 21	13 23-1544	EA	16", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	6,482.71 1,002.95	142.94
23 21	13 23-1545	EA	18", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	7,407.20 1,147.25	157.98
23 21	13 23-1546	EA	20", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	10,639.37 1,663.90	160.04
23 21	13 23-1547	EA	24", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	16,463.51 2,586.90	196.99
23 21 13 23-1548 Grooved Crosses (23 21 13 23-1510)					
Note: Victaulic No. 35					
23 21	13 23-1549	EA	3/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	382.59 53.82	15.85
23 21	13 23-1550	EA	1", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	386.20 53.82	18.28
23 21	13 23-1551	EA	1-1/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	466.53 64.96	22.34
23 21	13 23-1552	EA	1-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	507.71 70.00	27.42
23 21	13 23-1553	EA	2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	316.86 39.56	35.46
23 21	13 23-1554	EA	2-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	328.94 39.56	43.49
23 21	13 23-1555	EA	3", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	553.93 71.08	53.38
23 21	13 23-1556	EA	4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	892.43 118.33	69.07
23 21	13 23-1557	EA	5", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,747.02 241.74	90.31
23 21	13 23-1558	EA	6", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,242.84 311.02	113.02
23 21	13 23-1559	EA	8", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,936.43 409.61	137.19
23 21	13 23-1560	EA	10", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	4,897.39 698.61	160.04
23 21	13 23-1561	EA	12", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	7,009.00 1,008.15	192.11
23 21	13 23-1562	EA	14", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	7,283.30 1,044.50	213.42
23 21	13 23-1563	EA	16", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	9,430.96 1,366.37	214.67
23 21	13 23-1564	EA	18", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	11,520.57 1,674.85	236.72
23 21	13 23-1565	EA	20", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	16,179.06 2,372.79	240.41
23 21	13 23-1566	EA	24", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	24,863.45 3,663.06	295.47
23 21 13 23-1567 Grooved Reducing Tees (23 21 13 23-1510)					
Note: Victaulic No. 25					
23 21	13 23-1568	EA	1", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	271.70 50.69	12.17
23 21	13 23-1569	EA	1-1/4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	283.72 52.28	14.89
23 21	13 23-1570	EA	1-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	295.30 53.58	18.28
23 21	13 23-1571	EA	2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	349.09 62.73	23.66
23 21	13 23-1572	EA	2-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	389.42 69.19	28.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1573	EA	3", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	432.00 75.73	35.61
23 21	13 23-1574	EA	4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	579.71 102.13	46.08
23 21	13 23-1575	EA	5", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	764.59 134.86	60.23
23 21	13 23-1576	EA	6", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,061.48 189.71	75.34
23 21	13 23-1577	EA	8", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,702.24 313.02	91.49
23 21	13 23-1578	EA	10", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	2,467.28 461.46	106.67
23 21	13 23-1579	EA	12", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,595.63 680.73	128.06
23 21	13 23-1580	EA	14", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	4,079.12 773.16	142.28
23 21	13 23-1581	EA	16", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	5,236.14 1,004.32	143.09
23 21	13 23-1582	EA	18", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	6,384.28 1,229.54	157.83
23 21	13 23-1583	EA	20", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	9,032.59 1,758.46	160.27
23 21	13 23-1584	EA	24", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	14,457.95 2,832.52	196.99
23 21 13 23-1585 Grooved 45 Degree Lateral Wyes (23 21 13 23-1510)					
Note: Victaulic No. 30					
23 21	13 23-1586	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	540.70 94.47	10.54
23 21	13 23-1587	EA	1", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	543.10 94.47	12.17
23 21	13 23-1588	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	547.16 94.47	14.89
23 21	13 23-1589	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	552.23 94.47	18.28
23 21	13 23-1590	EA	2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	560.28 94.47	23.66
23 21	13 23-1591	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	568.33 94.47	28.98
23 21	13 23-1592	EA	3", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	506.78 81.62	35.61
23 21	13 23-1593	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	829.72 138.28	41.06
23 21	13 23-1594	EA	4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	963.28 160.96	46.08
23 21	13 23-1595	EA	5", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,397.17 235.24	60.23
23 21	13 23-1596	EA	6", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	2,218.53 379.01	75.34
23 21	13 23-1597	EA	8", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	3,169.97 545.91	91.49
23 21	13 23-1598	EA	10", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	4,440.77 770.54	106.67
23 21	13 23-1599	EA	12", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	5,367.65 931.62	128.06
23 21	13 23-1600	EA	14", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	7,767.53 1,359.76	142.28
23 21	13 23-1601	EA	16", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	9,651.80 1,698.71	143.09
23 21	13 23-1602	EA	18", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	10,786.29 1,898.95	157.83
23 21	13 23-1603	EA	20", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	16,242.42 2,880.39	160.27
23 21	13 23-1604	EA	24", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	25,161.49 4,475.90	196.99
23 21 13 23-1605 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1510)					
Note: Victaulic No. 30R					
23 21	13 23-1606	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	506.78 58.95	35.61
23 21	13 23-1607	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	963.28 116.25	46.08
23 21	13 23-1608	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,397.17 169.89	60.23
23 21	13 23-1609	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	1,801.41 219.50	75.34
23 21	13 23-1610	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	2,574.61 316.87	91.49
23 21	13 23-1611	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	3,145.20 388.08	106.67
23 21	13 23-1612	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	3,819.76 471.61	128.06
23 21	13 23-1613	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	4,277.34 528.32	142.28
23 21	13 23-1614	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye <i>For Galvanized Fittings, Add</i>	5,467.67 682.91	143.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1615	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	8,302.76 1,048.60	157.83
23 21	13 23-1616	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	12,047.06 1,534.88	160.27
23 21	13 23-1617	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	19,410.98 2,485.03	196.99
23 21	13 23-1618		Mechanical-T Outlet <small>(23 21 13 23-1510)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1619	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	140.36 21.65	26.54
23 21	13 23-1620	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	140.36 21.65	26.54
23 21	13 23-1621	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	153.99 25.03	26.54
23 21	13 23-1622	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	153.99	26.54
23 21	13 23-1623	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	146.99	29.86
23 21	13 23-1624	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	146.99	29.86
23 21	13 23-1625	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	182.97	29.86
23 21	13 23-1626	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	166.86	33.17
23 21	13 23-1627	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	166.86	33.17
23 21	13 23-1628	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	195.82	33.17
23 21	13 23-1629	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	195.82	33.17
23 21	13 23-1630	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	215.66	33.17
23 21	13 23-1631	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	216.62	44.23
23 21	13 23-1632	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	216.62	44.23
23 21	13 23-1633	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	239.23	44.23
23 21	13 23-1634	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	245.58	44.23
23 21	13 23-1635	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	245.58	44.23
23 21	13 23-1636	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	251.93	44.23
23 21	13 23-1637	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	264.10	44.23
23 21	13 23-1638	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	314.59	60.82
23 21	13 23-1639	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	314.59	60.82
23 21	13 23-1640	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	325.57	60.82
23 21	13 23-1641	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	339.32	60.82
23 21	13 23-1642	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	352.26	77.41
23 21	13 23-1643	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	352.26	77.41
23 21	13 23-1644	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	368.39	77.41
23 21	13 23-1645	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	382.02	77.41
23 21	13 23-1646	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	406.22	77.41
23 21	13 23-1647	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	554.34	102.47
23 21	13 23-1648	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	554.34	102.47
23 21	13 23-1649	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	573.79	102.47
23 21	13 23-1650	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	585.29	102.47
23 21	13 23-1651		Installation-Ready™ Grooved Fittings <small>(23 21 13 23-1424)</small>		
23 21	13 23-1652		Installation-Ready™ 90 Degree Grooved Elbows <small>(23 21 13 23-1651)</small> Note: Victaulic No. 101		
23 21	13 23-1653	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	181.86 56.36 43.72	7.30
23 21	13 23-1654	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	189.09 58.02 45.01	8.76
23 21	13 23-1655	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	194.78 58.44 45.33	11.67
23 21	13 23-1656	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	235.61 70.46 54.66	14.59
23 21	13 23-1657		Installation-Ready™ 45 Degree Grooved Elbows <small>(23 21 13 23-1651)</small> Note: Victaulic No. 103		
23 21	13 23-1658	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	181.86 40.99 43.72	7.30
23 21	13 23-1659	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	189.09 42.20 45.01	8.76
23 21	13 23-1660	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	194.78 42.50 45.33	11.67
23 21	13 23-1661	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	235.61 51.24 54.66	14.59
23 21	13 23-1662		Installation-Ready™ Grooved Tees <small>(23 21 13 23-1651)</small> Note: Victaulic No. 102		
23 21	13 23-1663	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee..... <i>For Galvanized Fittings, Add</i>	278.48 79.12 67.51	9.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1664	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i>	290.22 81.76	11.67
			<i>For Galvanized Fittings, Add</i>	69.77	
23 21	13 23-1665	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i>	299.88 82.89	15.56
			<i>For Galvanized Fittings, Add</i>	70.73	
23 21	13 23-1666	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i>	348.48 95.70	19.47
			<i>For Galvanized Fittings, Add</i>	81.66	
23 21	13 23-1667		Grooved Fittings (23 21 13 23-142.4)		
23 21	13 23-1668		Flanged Adapter Nipple, Grooved (23 21 13 23-1667)		
			Note: Victaulic No. 41 and 45		
23 21	13 23-1669	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	382.64 66.49	8.84
			<i>For 300 LB Rating, Add</i>	55.41	
23 21	13 23-1670	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	384.12 66.49	9.80
			<i>For 300 LB Rating, Add</i>	55.41	
23 21	13 23-1671	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	387.81 66.49	12.31
			<i>For 300 LB Rating, Add</i>	55.41	
23 21	13 23-1672	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	395.56 66.49	17.47
			<i>For 300 LB Rating, Add</i>	55.41	
23 21	13 23-1673	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	401.10 66.49	21.15
			<i>For 300 LB Rating, Add</i>	55.41	
23 21	13 23-1674	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	510.50 85.07	25.29
			<i>For 300 LB Rating, Add</i>	70.89	
23 21	13 23-1675	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	614.70 101.46	34.06
			<i>For 300 LB Rating, Add</i>	84.55	
23 21	13 23-1676	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	867.21 144.98	41.21
			<i>For 300 LB Rating, Add</i>	120.81	
23 21	13 23-1677	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	1,002.43 165.41	55.66
			<i>For 300 LB Rating, Add</i>	137.84	
23 21	13 23-1678	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	1,381.39 228.32	75.34
			<i>For 300 LB Rating, Add</i>	190.27	
23 21	13 23-1679	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	2,207.08 372.59	91.49
			<i>For 300 LB Rating, Add</i>	310.49	
23 21	13 23-1680	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	2,990.25 509.45	106.67
			<i>For 300 LB Rating, Add</i>	424.54	
23 21	13 23-1681	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	3,529.63 600.78	128.06
			<i>For 300 LB Rating, Add</i>	500.65	
23 21	13 23-1682	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	5,353.36 925.21	142.28
			<i>For 300 LB Rating, Add</i>	771.01	
23 21	13 23-1683	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	6,357.37 1,086.73	213.42
			<i>For 300 LB Rating, Add</i>	905.61	
23 21	13 23-1684	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	6,676.90 1,132.73	256.10
			<i>For 300 LB Rating, Add</i>	943.94	
23 21	13 23-1685	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i>	11,282.72 1,954.10	284.56
			<i>For 300 LB Rating, Add</i>	1,628.41	
23 21	13 23-1686		Grooved Concentric Reducers (23 21 13 23-1667)		
			Note: Victaulic No. 50		
23 21	13 23-1687	EA	1-1/4" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	407.24 17.33	8.84
23 21	13 23-1688	EA	1-1/4" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	425.74 18.12	9.36
23 21	13 23-1689	EA	1-1/2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	480.11 55.89	10.10
23 21	13 23-1690	EA	1-1/2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	115.43 11.97	10.54
23 21	13 23-1691	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	402.01 46.33	11.06
23 21	13 23-1692	EA	2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	117.64 11.97	12.02
23 21	13 23-1693	EA	2" x 1", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	118.38 11.97	12.53
23 21	13 23-1694	EA	2" x 1-1/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	129.12 13.17	13.05
23 21	13 23-1695	EA	2" x 1-1/2", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	121.37 11.97	14.52
23 21	13 23-1696	EA	2-1/2" x 3/4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	830.77 97.41	13.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1697	EA	2-1/2" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	656.80 76.42	14.08
23 21	13 23-1698	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	597.29 69.18	14.52
23 21	13 23-1699	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	123.53 11.97	16.00
23 21	13 23-1700	EA	2-1/2" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	126.48 11.97	17.91
23 21	13 23-1701	EA	3" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	839.31 123.98	15.78
23 21	13 23-1702	EA	3" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	134.27 16.72	16.22
23 21	13 23-1703	EA	3" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	656.85 96.03	16.74
23 21	13 23-1704	EA	3" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	613.97 89.23	17.91
23 21	13 23-1705	EA	3" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	117.20 13.28	19.90
23 21	13 23-1706	EA	3" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	155.94 18.29	23.74
23 21	13 23-1707	EA	3-1/2" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	166.59 19.49	25.58
23 21	13 23-1708	EA	4" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	162.43 22.67	20.12
23 21	13 23-1709	EA	4" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,076.07 179.23	20.64
23 21	13 23-1710	EA	4" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	831.80 137.03	21.89
23 21	13 23-1711	EA	4" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	152.04 19.94	23.88
23 21	13 23-1712	EA	4" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	184.09 25.00	25.58
23 21	13 23-1713	EA	4" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	187.04 25.00	27.57
23 21	13 23-1714	EA	4" x 3-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	189.99 25.00	29.49
23 21	13 23-1715	EA	5" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,512.44 252.24	27.79
23 21	13 23-1716	EA	5" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,185.37 195.70	29.49
23 21	13 23-1717	EA	5" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	217.79 29.26	31.48
23 21	13 23-1718	EA	5" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	256.84 34.94	35.38
23 21	13 23-1719	EA	6" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	315.96 50.56	30.01
23 21	13 23-1720	EA	6" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,593.96 288.56	31.70
23 21	13 23-1721	EA	6" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	321.47 50.56	33.69
23 21	13 23-1722	EA	6" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,608.31 290.21	35.38
23 21	13 23-1723	EA	6" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	327.01 50.56	37.38
23 21	13 23-1724	EA	6" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	297.92 44.04	41.29
23 21	13 23-1725	EA	6" x 5", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	416.94 65.14	45.27
23 21	13 23-1726	EA	8" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	547.61 90.35	42.32
23 21	13 23-1727	EA	8" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	553.49 90.35	46.22
23 21	13 23-1728	EA	8" x 5", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	559.41 90.35	50.13
23 21	13 23-1729	EA	8" x 6", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	701.50 115.22	56.02
23 21	13 23-1730	EA	10" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,229.89 215.12	51.38
23 21	13 23-1731	EA	10" x 5", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,624.22 474.20	55.29
23 21	13 23-1732	EA	10" x 6", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,352.48 235.25	61.19
23 21	13 23-1733	EA	10" x 8", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,359.84 235.25	66.13
23 21	13 23-1734	EA	12" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,904.03 572.45	58.53
23 21	13 23-1735	EA	12" x 6", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,606.10 225.55	68.34
23 21	13 23-1736	EA	12" x 8", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,368.55 338.81	73.28
23 21	13 23-1737	EA	12" x 10", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	2,376.34 338.81	78.44
23 21	13 23-1738	EA	14" x 6", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	7,774.23 235.28	73.65
23 21	13 23-1739	EA	14" x 8", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	4,616.20 138.10	78.58
23 21	13 23-1740	EA	14" x 10", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	3,923.71 116.60	83.75

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1741	EA	14" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,934.37 116.60	90.82
23 21	13 23-1742	EA	16" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,056.56 212.78	83.82
23 21	13 23-1743	EA	16" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,541.41 196.72	88.98
23 21	13 23-1744	EA	16" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,039.57 180.99	96.13
23 21	13 23-1745	EA	16" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,047.53 180.99	101.44
23 21	13 23-1746	EA	18" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	9,189.33 277.79	93.92
23 21	13 23-1747	EA	18" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,310.10 250.47	101.00
23 21	13 23-1748	EA	18" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,545.41 226.75	106.31
23 21	13 23-1749	EA	18" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,553.37 226.75	111.68
23 21	13 23-1750	EA	20" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	10,118.91 306.22	96.35
23 21	13 23-1751	EA	20" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,659.09 261.07	103.51
23 21	13 23-1752	EA	20" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,667.06 261.07	108.81
23 21	13 23-1753	EA	20" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,715.46 231.62	114.05
23 21	13 23-1754	EA	20" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,223.68 246.99	118.98
23 21	13 23-1755	EA	24" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	22,387.41 682.36	107.18
23 21	13 23-1756	EA	24" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	21,861.36 665.88	114.34
23 21	13 23-1757	EA	24" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	19,037.08 578.93	119.58
23 21	13 23-1758	EA	24" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	19,045.09 578.93	124.95
23 21	13 23-1759	EA	24" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	16,290.81 494.15	129.82
23 21	13 23-1760	EA	24" x 20", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	14,868.79 450.38	132.33
23 21 13 23-1761 Grooved Eccentric Reducers (23 21 13 23-1667)					
Note: Victaulic No. 51					
23 21	13 23-1762	EA	1-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	496.16 57.82	10.10
23 21	13 23-1763	EA	1-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	450.07 52.19	10.54
23 21	13 23-1764	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	441.34 51.05	11.06
23 21	13 23-1765	EA	2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	952.80 112.36	12.02
23 21	13 23-1766	EA	2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	498.27 57.63	12.53
23 21	13 23-1767	EA	2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	545.18 63.18	13.05
23 21	13 23-1768	EA	2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	461.80 52.89	14.52
23 21	13 23-1769	EA	2-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,240.53 146.67	13.56
23 21	13 23-1770	EA	2-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,157.85 136.64	14.08
23 21	13 23-1771	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	682.00 79.36	14.52
23 21	13 23-1772	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	547.09 62.88	16.00
23 21	13 23-1773	EA	2-1/2" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	237.63 25.33	17.91
23 21	13 23-1774	EA	3" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,243.70 146.57	16.22
23 21	13 23-1775	EA	3" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,128.95 132.69	16.74
23 21	13 23-1776	EA	3" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	632.00 72.73	17.91
23 21	13 23-1777	EA	3" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	272.03 29.11	19.90
23 21	13 23-1778	EA	3" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	277.75 29.11	23.74
23 21	13 23-1779	EA	3-1/2" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,378.10 161.04	25.58
23 21	13 23-1780	EA	4" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,501.91 423.89	20.12
23 21	13 23-1781	EA	4" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,527.66 256.37	21.89
23 21	13 23-1782	EA	4" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	331.86 50.78	23.88
23 21	13 23-1783	EA	4" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	334.44 50.78	25.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1784	EA	4" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	337.39 50.78	27.57
23 21	13 23-1785	EA	5" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,690.02 262.69	27.79
23 21	13 23-1786	EA	5" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,448.59 240.85	29.49
23 21	13 23-1787	EA	5" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,403.65 232.63	31.48
23 21	13 23-1788	EA	5" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	456.39 69.17	35.38
23 21	13 23-1789	EA	6" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,607.43 478.15	30.01
23 21	13 23-1790	EA	6" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,387.34 436.06	33.69
23 21	13 23-1791	EA	6" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,485.73 519.24	35.38
23 21	13 23-1792	EA	6" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	592.99 100.20	37.38
23 21	13 23-1793	EA	6" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	531.93 87.70	41.29
23 21	13 23-1794	EA	6" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	631.62 105.20	45.27
23 21	13 23-1795	EA	8" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,778.57 506.65	42.32
23 21	13 23-1796	EA	8" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,442.17 442.78	46.22
23 21	13 23-1797	EA	8" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,284.46 412.25	50.13
23 21	13 23-1798	EA	8" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,037.07 177.84	56.02
23 21	13 23-1799	EA	10" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,431.37 812.52	51.38
23 21	13 23-1800	EA	10" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,185.36 765.51	55.29
23 21	13 23-1801	EA	10" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,185.40 577.27	61.19
23 21	13 23-1802	EA	10" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,717.49 488.58	66.13
23 21	13 23-1803	EA	12" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,515.31 668.12	58.53
23 21	13 23-1804	EA	12" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,235.24 623.64	68.34
23 21	13 23-1805	EA	12" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,136.87 607.68	73.28
23 21	13 23-1806	EA	12" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,724.65 544.30	78.44
23 21	13 23-1807	EA	14" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,538.20 320.13	73.65
23 21	13 23-1808	EA	14" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,784.54 204.67	78.58
23 21	13 23-1809	EA	14" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,471.82 194.83	83.75
23 21	13 23-1810	EA	14" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,482.48 194.83	90.82
23 21	13 23-1811	EA	16" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	11,641.87 353.55	83.82
23 21	13 23-1812	EA	16" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,775.24 326.70	88.98
23 21	13 23-1813	EA	16" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,143.56 306.98	96.13
23 21	13 23-1814	EA	16" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,151.52 306.98	101.44
23 21	13 23-1815	EA	18" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	14,614.67 444.35	93.92
23 21	13 23-1816	EA	18" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	13,742.41 417.24	101.00
23 21	13 23-1817	EA	18" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	12,507.45 379.08	106.31
23 21	13 23-1818	EA	18" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	12,515.41 379.08	111.68
23 21	13 23-1819	EA	20" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	19,217.57 585.55	96.35
23 21	13 23-1820	EA	20" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	14,263.32 433.12	103.51
23 21	13 23-1821	EA	20" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	13,389.30 406.04	108.81
23 21	13 23-1822	EA	20" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	13,183.15 399.47	114.05
23 21	13 23-1823	EA	20" x 18", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	12,692.04 384.17	118.98
23 21	13 23-1824	EA	24" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	27,782.21 847.65	114.34
23 21	13 23-1825	EA	24" x 14", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	23,711.57 722.44	119.58
23 21	13 23-1826	EA	24" x 16", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	23,719.58 722.44	124.95
23 21	13 23-1827	EA	24" x 18", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	22,391.10 681.43	129.82

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1828	EA	24" x 20", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	20,453.82 621.84	132.33
23 21	13 23-1829		Close Nipple, Grooved (23 21 13 23-1667) Note: Victaulic No. 143		
23 21	13 23-1830	EA	1-1/4" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	42.80 5.05 4.21	9.73
23 21	13 23-1831	EA	1-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	49.00 5.50 4.58	12.17
23 21	13 23-1832	EA	2" Ductile Iron, Grooved, Close Nipple..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	61.17 6.63 5.53	16.06
23 21	13 23-1833	EA	2-1/2" Ductile Iron, Grooved, Close Nipple <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	73.03 7.84 6.53	19.47
23 21	13 23-1834		Grooved Couplings (23 21 13 23-1424)		
23 21	13 23-1835		Flexible Grooved Coupling (23 21 13 23-1834) Note: Victaulic Style 77		
23 21	13 23-1836	EA	3/4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	53.59 13.32	3.98
23 21	13 23-1837	EA	1" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	53.59 13.32	3.98
23 21	13 23-1838	EA	1-1/4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	70.80 17.72	5.01
23 21	13 23-1839	EA	1-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	78.14 19.36	5.97
23 21	13 23-1840	EA	2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	85.13 20.46	8.04
23 21	13 23-1841	EA	2-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	102.15 24.49	9.80
23 21	13 23-1842	EA	3" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	105.00 24.49	11.72
23 21	13 23-1843	EA	3-1/2" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	161.52 39.46	13.72
23 21	13 23-1844	EA	4" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	164.40 39.46	15.63
23 21	13 23-1845	EA	5" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	245.41 60.50	19.61
23 21	13 23-1846	EA	6" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	293.80 71.51	25.58
23 21	13 23-1847	EA	8" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	462.03 116.57	30.52
23 21	13 23-1848	EA	10" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	746.76 193.73	36.57
23 21	13 23-1849	EA	12" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	847.79 220.58	40.03
23 21	13 23-1850	EA	14" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	1,037.02 267.97	53.38
23 21	13 23-1851	EA	16" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	1,351.32 351.49	64.06
23 21	13 23-1852	EA	18" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	1,576.83 411.65	71.14
23 21	13 23-1853	EA	20" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	2,432.81 647.59	80.06
23 21	13 23-1854	EA	24" Grooved Standard Coupling <i>For Galvanized Fittings, Add</i>	2,684.02 710.18	98.49
23 21	13 23-1855		Zero-Flex® Rigid Coupling (23 21 13 23-1834) Note: Victaulic Style 07		
23 21	13 23-1856	EA	1" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	72.18 16.21	3.98
23 21	13 23-1857	EA	1-1/4" Grooved Rigid Coupling <i>For Galvanized Fittings, Add</i>	73.69 16.21	5.01
23 21	13 23-1858	EA	1-1/2" Grooved Rigid Coupling <i>For Galvanized Fittings, Add</i>	75.15 16.21	5.97
23 21	13 23-1859	EA	2" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	79.90 16.62	8.04
23 21	13 23-1860	EA	2-1/2" Grooved Rigid Coupling <i>For Galvanized Fittings, Add</i>	92.90 19.16	9.80
23 21	13 23-1861	EA	3" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	95.75 19.16	11.72
23 21	13 23-1862	EA	3-1/2" Grooved Rigid Coupling <i>For Galvanized Fittings, Add</i>	112.00 22.39	13.72
23 21	13 23-1863	EA	4" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	153.00 31.73	15.63
23 21	13 23-1864	EA	5" Grooved Rigid Coupling..... <i>For Galvanized Fittings, Add</i>	197.56 41.21	19.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1865 EA 6" Grooved Rigid Coupling	263.24	25.58
For Galvanized Fittings, Add	55.09	
23 21 13 23-1866 EA 8" Grooved Rigid Coupling	399.94	30.52
For Galvanized Fittings, Add	86.79	
23 21 13 23-1867 EA 10" Grooved Rigid Coupling	689.57	36.57
For Galvanized Fittings, Add	155.51	
23 21 13 23-1868 EA 12" Grooved Rigid Coupling	770.27	40.03
For Galvanized Fittings, Add	174.02	
23 21 13 23-1869 EA 14" Grooved Rigid Coupling	1,007.96	53.38
For Galvanized Fittings, Add	227.35	
23 21 13 23-1870 EA 16" Grooved Rigid Coupling	1,306.27	64.06
For Galvanized Fittings, Add	296.52	
23 21 13 23-1871 EA 18" Grooved Rigid Coupling	1,505.76	71.14
For Galvanized Fittings, Add	342.78	
23 21 13 23-1872 EA 20" Grooved Rigid Coupling	1,785.71	80.06
For Galvanized Fittings, Add	408.10	
23 21 13 23-1873 EA 24" Grooved Rigid Coupling	2,601.18	98.49
For Galvanized Fittings, Add	601.11	
23 21 13 23-1874 Large Diameter Grooved Coupling (23 21 13 23-1834)		
Note: Victaulic Style 770		
23 21 13 23-1875 EA 28" Grooved Coupling.....	2,973.48	19.61
For Galvanized Fittings, Add	412.18	
23 21 13 23-1876 EA 30" Grooved Coupling.....	3,428.01	25.58
For Galvanized Fittings, Add	474.55	
23 21 13 23-1877 EA 32" Grooved Coupling.....	5,121.87	30.52
For Galvanized Fittings, Add	710.66	
23 21 13 23-1878 EA 36" Grooved Coupling.....	6,817.53	36.57
For Galvanized Fittings, Add	946.78	
23 21 13 23-1879 EA 42" Grooved Coupling.....	13,736.88	40.03
For Galvanized Fittings, Add	1,914.76	
23 21 13 23-1880 Flexible Coupling (23 21 13 23-1834)		
Note: Victaulic Style 75		
23 21 13 23-1881 EA 1-1/2" Grooved Flexible Coupling	69.13	5.97
For Galvanized Fittings, Add	15.40	
23 21 13 23-1882 EA 2" Grooved Flexible Coupling	73.73	8.04
For Galvanized Fittings, Add	15.79	
23 21 13 23-1883 EA 2-1/2" Grooved Flexible Coupling	86.17	9.80
For Galvanized Fittings, Add	18.30	
23 21 13 23-1884 EA 3" Grooved Flexible Coupling	100.65	11.72
For Galvanized Fittings, Add	21.28	
23 21 13 23-1885 EA 3-1/2" Grooved Flexible Coupling	138.35	13.72
For Galvanized Fittings, Add	30.14	
23 21 13 23-1886 EA 4" Grooved Flexible Coupling	141.23	15.63
For Galvanized Fittings, Add	30.14	
23 21 13 23-1887 EA 5" Grooved Flexible Coupling	199.24	19.61
For Galvanized Fittings, Add	43.49	
23 21 13 23-1888 EA 6" Grooved Flexible Coupling	243.06	25.58
For Galvanized Fittings, Add	52.39	
23 21 13 23-1889 EA 8" Grooved Flexible Coupling	367.41	30.52
For Galvanized Fittings, Add	82.36	
23 21 13 23-1890 Installation-Ready™ Coupling (23 21 13 23-1834)		
Note: Victaulic Style 009N		
23 21 13 23-1891 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling	55.05	3.72
For Galvanized Fittings, Add	12.65	
23 21 13 23-1892 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling	57.17	4.45
For Galvanized Fittings, Add	12.91	
23 21 13 23-1893 EA 2" Ductile Iron, Installation-Ready™ Coupling	66.11	5.98
For Galvanized Fittings, Add	14.60	
23 21 13 23-1894 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling	76.70	7.25
For Galvanized Fittings, Add	16.82	
23 21 13 23-1895 EA 3" Ductile Iron, Installation-Ready™ Coupling	87.56	8.71
For Galvanized Fittings, Add	19.04	
23 21 13 23-1896 EA 4" Ductile Iron, Installation-Ready™ Coupling	122.04	11.63
For Galvanized Fittings, Add	26.73	
23 21 13 23-1897 EA 5" Ductile Iron, Installation-Ready™ Coupling	192.84	14.54
For Galvanized Fittings, Add	43.72	
23 21 13 23-1898 EA 6" Ductile Iron, Installation-Ready™ Coupling	232.91	19.02
For Galvanized Fittings, Add	52.24	
23 21 13 23-1899 EA 8" Ductile Iron, Installation-Ready™ Coupling	375.25	22.63
For Galvanized Fittings, Add	87.29	
23 21 13 23-1900 Grooved Strainers And Suction Diffusers (23 21 13 23-1424)		
23 21 13 23-1901 Grooved Wye Strainers (23 21 13 23-1900)		
Note: Victaulic Style 732		
23 21 13 23-1902 EA 2" Grooved Wye Strainer	1,543.82	16.22
23 21 13 23-1903 EA 2-1/2" Grooved Wye Strainer	1,625.68	19.68
23 21 13 23-1904 EA 3" Grooved Wye Strainer	1,828.52	23.59
23 21 13 23-1905 EA 4" Grooved Wye Strainer	2,076.45	31.48
23 21 13 23-1906 EA 5" Grooved Wye Strainer	2,998.56	39.37
23 21 13 23-1907 EA 6" Grooved Wye Strainer	3,268.39	51.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-1908	EA	8" Grooved Wye Strainer	4,984.29	60.97
23 21	13 23-1909	EA	10" Grooved Wye Strainer	7,972.18	71.28
23 21	13 23-1910	EA	12" Grooved Wye Strainer	13,868.41	85.59

23 21 13 23-1911 Grooved Tee Type Strainers (23 21 13 23-1900)

Note: Victaulic Style 730

23 21	13 23-1912	EA	1-1/2" Grooved Tee Type Strainer	1,191.00	12.31
23 21	13 23-1913	EA	2" Grooved Tee Type Strainer	1,525.07	16.22
23 21	13 23-1914	EA	2-1/2" Grooved Tee Type Strainer	1,606.18	19.68
23 21	13 23-1915	EA	3" Grooved Tee Type Strainer	1,806.50	23.59
23 21	13 23-1916	EA	4" Grooved Tee Type Strainer	2,051.48	31.48
23 21	13 23-1917	EA	5" Grooved Tee Type Strainer	2,962.21	39.37
23 21	13 23-1918	EA	6" Grooved Tee Type Strainer	3,229.19	51.16
23 21	13 23-1919	EA	8" Grooved Tee Type Strainer	4,923.60	60.97
23 21	13 23-1920	EA	10" Grooved Tee Type Strainer	7,204.04	71.28
23 21	13 23-1921	EA	12" Grooved Tee Type Strainer	9,264.25	85.59
23 21	13 23-1922	EA	14" Grooved Tee Type Strainer	32,709.29	96.35
23 21	13 23-1923	EA	16" Grooved Tee Type Strainer	40,633.23	106.67
23 21	13 23-1924	EA	18" Grooved Tee Type Strainer	53,408.85	116.55

23 21 13 23-1925 Grooved Suction Diffuser (23 21 13 23-1900)

Note: Victaulic Style 731

23 21	13 23-1926	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	3,143.48	18.21
23 21	13 23-1927	EA	3" Grooved x 2" Flanged Suction Diffuser	3,337.15	20.12
23 21	13 23-1928	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	2,412.68	23.59
23 21	13 23-1929	EA	3" Grooved x 3" Flanged Suction Diffuser	2,447.05	25.58
23 21	13 23-1930	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	2,650.31	25.58
23 21	13 23-1931	EA	4" Grooved x 3" Flanged Suction Diffuser	2,859.36	27.57
23 21	13 23-1932	EA	4" Grooved x 4" Flanged Suction Diffuser	3,305.12	27.57
23 21	13 23-1933	EA	5" Grooved x 4" Flanged Suction Diffuser	3,691.02	35.38
23 21	13 23-1934	EA	5" Grooved x 5" Flanged Suction Diffuser	3,878.57	37.38
23 21	13 23-1935	EA	6" Grooved x 4" Flanged Suction Diffuser	3,940.74	41.29
23 21	13 23-1936	EA	6" Grooved x 5" Flanged Suction Diffuser	4,707.82	45.27
23 21	13 23-1937	EA	6" Grooved x 6" Flanged Suction Diffuser	4,889.98	48.21
23 21	13 23-1938	EA	8" Grooved x 5" Flanged Suction Diffuser	5,017.60	50.13
23 21	13 23-1939	EA	8" Grooved x 6" Flanged Suction Diffuser	5,295.76	56.02
23 21	13 23-1940	EA	8" Grooved x 8" Flanged Suction Diffuser	9,060.14	60.97
23 21	13 23-1941	EA	10" Grooved x 8" Flanged Suction Diffuser	10,219.22	65.91
23 21	13 23-1942	EA	10" Grooved x 10" Flanged Suction Diffuser	12,297.21	68.34
23 21	13 23-1943	EA	12" Grooved x 10" Flanged Suction Diffuser	14,552.41	78.66
23 21	13 23-1944	EA	12" Grooved x 12" Flanged Suction Diffuser	20,203.28	83.60
23 21	13 23-1945	EA	14" Grooved x 10" Flanged Suction Diffuser	18,811.42	83.60
23 21	13 23-1946	EA	14" Grooved x 12" Flanged Suction Diffuser	21,009.63	90.97
23 21	13 23-1947	EA	14" Grooved x 14" Flanged Suction Diffuser	25,492.18	96.35
23 21	13 23-1948	EA	16" Grooved x 14" Flanged Suction Diffuser	26,244.35	101.29

23 21 13 23-1949 Grooved Steel Valves (23 21 13 23-1424)**23 21 13 23-1950 Grooved Butterfly Valves With Standard Trim** (23 21 13 23-1949)

23 21	13 23-1951	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	271.88	8.04
23 21	13 23-1952	EA	2" Butterfly Valve, Grooved, With Standard Trim	275.69	10.54
23 21	13 23-1953	EA	3" Butterfly Valve, Grooved, With Standard Trim	453.44	15.63
23 21	13 23-1954	EA	4" Butterfly Valve, Grooved, With Standard Trim	609.33	20.57
23 21	13 23-1955	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,337.32	33.69
23 21	13 23-1956	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,852.83	47.40
23 21	13 23-1957	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,787.14	64.06

23 21 13 23-1958 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1949)

23 21	13 23-1959	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	411.08	8.04
23 21	13 23-1960	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	414.88	10.54
23 21	13 23-1961	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	642.13	15.63
23 21	13 23-1962	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	816.58	20.57
23 21	13 23-1963	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,566.22	33.69
23 21	13 23-1964	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,607.58	47.40
23 21	13 23-1965	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,117.25	64.06

23 21 13 23-1966 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1949)

Note: Victaulic No. 721

23 21	13 23-1967	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	228.62	7.88
23 21	13 23-1968	EA	2" Ball Valve, Grooved, With Standard Trim	261.02	10.83
23 21	13 23-1969	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	602.77	13.27
23 21	13 23-1970	EA	3" Ball Valve, Grooved, With Standard Trim	992.33	15.71
23 21	13 23-1971	EA	4" Ball Valve, Grooved, With Standard Trim	1,547.71	20.64
23 21	13 23-1972	EA	6" Ball Valve, Grooved, With Standard Trim	4,831.56	33.91

23 21 13 23-1973 Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1949)

Note: Victaulic No. 721

23 21	13 23-1974	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	243.86	7.88
23 21	13 23-1975	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	419.28	10.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1976	EA		2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,101.77	13.27
23 21 13 23-1977	EA		3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,425.75	15.71
23 21 13 23-1978	EA		4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,948.23	20.64
23 21 13 23-1979	EA		6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,327.85	33.91
23 21 13 23-1980			Grooved Check Valves (23 21 13 23-1949)		
			Note: Victaulic No. 712		
23 21 13 23-1981	EA		2" Check Valve, Grooved.....	348.15	10.83
23 21 13 23-1982	EA		2-1/2" Check Valve, Grooved.....	567.58	13.27
23 21 13 23-1983	EA		3" Check Valve, Grooved.....	661.21	15.71
23 21 13 23-1984	EA		4" Check Valve, Grooved.....	938.24	20.64
23 21 13 23-1985			Grooved Vic-Check Check Valves (23 21 13 23-1949)		
			Note: Victaulic No. 716		
23 21 13 23-1986	EA		2-1/2" "Vic-Check" Check Valve, Grooved.....	451.85	13.27
23 21 13 23-1987	EA		3" "Vic-Check" Check Valve, Grooved.....	455.44	15.71
23 21 13 23-1988	EA		4" "Vic-Check" Check Valve, Grooved.....	570.13	20.64
23 21 13 23-1989	EA		6" "Vic-Check" Check Valve, Grooved.....	1,115.57	33.91
23 21 13 23-1990	EA		8" "Vic-Check" Check Valve, Grooved.....	1,525.96	47.18
23 21 13 23-1991	EA		10" "Vic-Check" Check Valve, Grooved.....	4,307.75	63.92
23 21 13 23-1992	EA		12" "Vic-Check" Check Valve, Grooved.....	5,102.37	73.79
23 21 13 23-1993			Grooved Plug Valves With Lever Operator (23 21 13 23-1949)		
			Note: Victaulic No. 377		
23 21 13 23-1994	EA		3" Balancing Plug Valve, Grooved, With Lever Handle.....	536.77	15.71
23 21 13 23-1995	EA		4" Balancing Plug Valve, Grooved, With Lever Handle.....	595.71	20.64
23 21 13 23-1996	EA		6" Balancing Plug Valve, Grooved, With Lever Handle.....	1,063.56	33.91
23 21 13 23-1997			Grooved Plug Valve With Gear Operator (23 21 13 23-1949)		
			Note: Victaulic No. 377		
23 21 13 23-1998	EA		3" Balancing Plug Valve, Grooved, With Gear Operator.....	950.74	15.71
23 21 13 23-1999	EA		4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,009.72	20.64
23 21 13 23-2000	EA		6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,477.56	33.91
23 21 13 23-2001	EA		8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,976.50	47.18
23 21 13 23-2002	EA		10" Balancing Plug Valve, Grooved, With Gear Operator.....	3,101.29	63.92
23 21 13 23-2003	EA		12" Balancing Plug Valve, Grooved, With Gear Operator.....	4,488.43	73.79
23 21 13 23-2004			Prepare Pipe For Groove (23 21 13 23-1424)		
23 21 13 23-2005			Cut Grooved Pipe (23 21 13 23-2004)		
			Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2006	EA		Cut 3/4" Groove Pipe.....	7.72	
23 21 13 23-2007	EA		Cut 1" Groove Pipe.....	8.39	
23 21 13 23-2008	EA		Cut 1-1/4" Groove Pipe.....	9.47	
23 21 13 23-2009	EA		Cut 1-1/2" Groove Pipe.....	10.30	
23 21 13 23-2010	EA		Cut 2" Groove Pipe.....	11.29	
23 21 13 23-2011	EA		Cut 2-1/2" Groove Pipe.....	12.23	
23 21 13 23-2012	EA		Cut 3" Groove Pipe.....	13.34	
23 21 13 23-2013	EA		Cut 3-1/2" Groove Pipe.....	14.14	
23 21 13 23-2014	EA		Cut 4" Groove Pipe.....	15.05	
23 21 13 23-2015	EA		Cut 5" Groove Pipe.....	16.30	
23 21 13 23-2016	EA		Cut 6" Groove Pipe.....	16.77	
23 21 13 23-2017	EA		Cut 8" Groove Pipe.....	21.74	
23 21 13 23-2018	EA		Cut 10" Groove Pipe.....	30.89	
23 21 13 23-2019	EA		Cut 12" Groove Pipe.....	39.13	
23 21 13 23-2020	EA		Cut 14" Groove Pipe.....	58.69	
23 21 13 23-2021	EA		Cut 16" Groove Pipe.....	61.78	
23 21 13 23-2022	EA		Cut 18" Groove Pipe.....	65.22	
23 21 13 23-2023	EA		Cut 20" Groove Pipe.....	69.05	
23 21 13 23-2024	EA		Cut 24" Groove Pipe.....	78.26	
23 21 13 23-2025			Roll Grooved Pipe (23 21 13 23-2004)		
			Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2026	EA		Roll 3/4" Groove.....	4.42	
23 21 13 23-2027	EA		Roll 1" Groove.....	5.14	
23 21 13 23-2028	EA		Roll 1-1/4" Groove.....	5.87	
23 21 13 23-2029	EA		Roll 1-1/2" Groove.....	6.60	
23 21 13 23-2030	EA		Roll 2" Groove.....	10.12	
23 21 13 23-2031	EA		Roll 2-1/2" Groove.....	10.67	
23 21 13 23-2032	EA		Roll 3" Groove.....	11.73	
23 21 13 23-2033	EA		Roll 3-1/2" Groove.....	12.49	
23 21 13 23-2034	EA		Roll 4" Groove.....	13.65	
23 21 13 23-2035	EA		Roll 5" Groove.....	13.98	
23 21 13 23-2036	EA		Roll 6" Groove.....	14.68	
23 21 13 23-2037	EA		Roll 8" Groove.....	17.79	
23 21 13 23-2038	EA		Roll 10" Groove.....	20.24	
23 21 13 23-2039	EA		Roll 12" Groove.....	25.52	
23 21 13 23-2040	EA		Roll 14" Groove.....	39.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21	13 23-2041	EA	Roll 16" Groove.....	41.92	
23 21	13 23-2042	EA	Roll 18" Groove.....	43.48	
23 21	13 23-2043	EA	Roll 20" Groove.....	46.96	
23 21	13 23-2044	EA	Roll 24" Groove.....	51.04	

23 21 13 23-2045**Standard Gaskets** (23 21 13 23-2044)

Note: For use on replacement of existing gaskets.

23 21	13 23-2046	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	37.38	
23 21	13 23-2047	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.00	
23 21	13 23-2048	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.38	
23 21	13 23-2049	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	42.99	
23 21	13 23-2050	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	43.43	
23 21	13 23-2051	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	51.94	
23 21	13 23-2052	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	56.68	
23 21	13 23-2053	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	71.19	
23 21	13 23-2054	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	71.54	
23 21	13 23-2055	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	91.58	
23 21	13 23-2056	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	98.76	
23 21	13 23-2057	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	135.41	
23 21	13 23-2058	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	172.05	
23 21	13 23-2059	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	201.15	
23 21	13 23-2060	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	279.26	
23 21	13 23-2061	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	380.98	
23 21	13 23-2062	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	456.52	
23 21	13 23-2063	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	692.04	
23 21	13 23-2064	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	956.18	

23 21 13 23-2065**Copper Grooved-Joint Pipe Fittings** (23 21 13 23)

Note: Couplings are not included with fittings.

23 21 13 23-2066**Grooved Fittings** (23 21 13 23-2065)**23 21 13 23-2067****Grooved 90 Degree Elbows** (23 21 13 23-2066)

23 21	13 23-2068	EA	2" Copper 90 Degree Elbow, Grooved.....	57.91	12.02
23 21	13 23-2069	EA	2-1/2" Copper 90 Degree Elbow, Grooved.....	65.94	14.68
23 21	13 23-2070	EA	3" Copper 90 Degree Elbow, Grooved.....	86.84	17.77
23 21	13 23-2071	EA	4" Copper 90 Degree Elbow, Grooved.....	164.61	23.44
23 21	13 23-2072	EA	5" Copper 90 Degree Elbow, Grooved.....	392.17	29.34
23 21	13 23-2073	EA	6" Copper 90 Degree Elbow, Grooved.....	608.96	38.41
23 21	13 23-2074	EA	8" Copper 90 Degree Elbow, Grooved.....	1,090.47	45.70

23 21 13 23-2075**Grooved 45 Degree Elbows** (23 21 13 23-2066)

23 21	13 23-2076	EA	2" Copper 45 Degree Elbow, Grooved.....	57.91	12.02
23 21	13 23-2077	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	65.94	14.68
23 21	13 23-2078	EA	3" Copper 45 Degree Elbow, Grooved.....	86.84	17.77
23 21	13 23-2079	EA	4" Copper 45 Degree Elbow, Grooved.....	164.61	23.44
23 21	13 23-2080	EA	5" Copper 45 Degree Elbow, Grooved.....	392.17	29.34
23 21	13 23-2081	EA	6" Copper 45 Degree Elbow, Grooved.....	608.96	38.41
23 21	13 23-2082	EA	8" Copper 45 Degree Elbow, Grooved.....	1,090.47	45.70

23 21 13 23-2083**Grooved Tees** (23 21 13 23-2066)

23 21	13 23-2084	EA	2" Copper Tee, Grooved.....	90.86	17.70
23 21	13 23-2085	EA	2-1/2" Copper Tee, Grooved.....	102.30	21.75
23 21	13 23-2086	EA	3" Copper Tee, Grooved.....	140.89	26.68
23 21	13 23-2087	EA	4" Copper Tee, Grooved.....	260.96	34.51
23 21	13 23-2088	EA	5" Copper Tee, Grooved.....	934.77	45.12
23 21	13 23-2089	EA	6" Copper Tee, Grooved.....	776.34	56.47
23 21	13 23-2090	EA	8" Copper Tee, Grooved.....	1,321.75	68.56

23 21 13 23-2091**Grooved Reducing Tees** (23 21 13 23-2066)

23 21	13 23-2092	EA	2-1/2" Copper Tee, Reducing, Grooved.....	131.17	21.75
23 21	13 23-2093	EA	3" Copper Tee, Reducing, Grooved.....	202.18	26.68
23 21	13 23-2094	EA	4" Copper Tee, Reducing, Grooved.....	321.17	34.58
23 21	13 23-2095	EA	5" Copper Tee, Reducing, Grooved.....	859.77	45.19
23 21	13 23-2096	EA	6" Copper Tee, Reducing, Grooved.....	1,052.38	56.47

23 21 13 23-2097**Grooved X Cup Reducing Tees** (23 21 13 23-2066)

23 21	13 23-2098	EA	2" Copper Tee, Reducing, Grooved X Cup.....	106.30	17.70
23 21	13 23-2099	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	131.48	21.75
23 21	13 23-2100	EA	3" Copper Tee, Reducing, Grooved X Cup.....	216.07	26.68
23 21	13 23-2101	EA	4" Copper Tee, Reducing, Grooved X Cup.....	321.17	34.51

23 21 13 23-2102**Grooved Flanged Adapter Nipples** (23 21 13 23-2066)

23 21	13 23-2103	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	172.06	13.05
23 21	13 23-2104	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	183.63	15.85
23 21	13 23-2105	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	197.00	18.95
23 21	13 23-2106	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	225.49	25.51
23 21	13 23-2107	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	296.28	30.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-2108	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	338.64	41.72
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23 21 13 23-2109 Grooved Concentric Reducers (23 21 13 23-2066)

23 21	13 23-2110	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	75.38	13.42
23 21	13 23-2111	EA	3" x 2" Copper Concentric Reducer, Grooved	78.34	14.97
23 21	13 23-2112	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	84.06	17.77
23 21	13 23-2113	EA	4" x 2" Copper Concentric Reducer, Grooved	134.88	17.91
23 21	13 23-2114	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	137.46	19.16
23 21	13 23-2115	EA	4" x 3" Copper Concentric Reducer, Grooved	140.41	20.64
23 21	13 23-2116	EA	5" x 3" Copper Concentric Reducer, Grooved	326.01	23.59
23 21	13 23-2117	EA	5" x 4" Copper Concentric Reducer, Grooved	331.91	26.54
23 21	13 23-2118	EA	6" x 3" Copper Concentric Reducer, Grooved	357.86	28.02
23 21	13 23-2119	EA	6" x 4" Copper Concentric Reducer, Grooved	363.76	30.96
23 21	13 23-2120	EA	6" x 5" Copper Concentric Reducer, Grooved	369.66	33.91
23 21	13 23-2121	EA	8" x 6" Copper Concentric Reducer, Grooved	613.75	42.02

23 21 13 23-2122 Grooved X Cup Concentric Reducers (23 21 13 23-2066)

23 21	13 23-2123	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	58.94	9.44
23 21	13 23-2124	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	59.68	9.80
23 21	13 23-2125	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	61.93	10.92
23 21	13 23-2126	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	70.16	10.54
23 21	13 23-2127	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	70.89	10.92
23 21	13 23-2128	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	73.05	12.02
23 21	13 23-2129	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	76.00	13.42
23 21	13 23-2130	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	87.88	13.42
23 21	13 23-2131	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	90.84	14.97
23 21	13 23-2132	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	148.93	17.84

23 21 13 23-2133 Grooved Standard Couplings (23 21 13 23-2066)

23 21	13 23-2134	EA	2" Copper Standard Coupling, Grooved	23.71	6.04
23 21	13 23-2135	EA	2-1/2" Copper Standard Coupling, Grooved	28.04	7.37
23 21	13 23-2136	EA	3" Copper Standard Coupling, Grooved	32.24	8.77
23 21	13 23-2137	EA	4" Copper Standard Coupling, Grooved	45.99	11.79
23 21	13 23-2138	EA	5" Copper Standard Coupling, Grooved	67.64	14.68
23 21	13 23-2139	EA	6" Copper Standard Coupling, Grooved	88.98	19.16
23 21	13 23-2140	EA	8" Copper Standard Coupling, Grooved	124.45	22.85

23 21 13 23-2141 Grooved Caps (23 21 13 23-2066)

23 21	13 23-2142	EA	2" Copper Cap, Grooved	35.36	6.04
23 21	13 23-2143	EA	2-1/2" Copper Cap, Grooved	49.26	7.37
23 21	13 23-2144	EA	3" Copper Cap, Grooved	60.45	8.77
23 21	13 23-2145	EA	4" Copper Cap, Grooved	87.86	11.72
23 21	13 23-2146	EA	5" Copper Cap, Grooved	143.50	14.68
23 21	13 23-2147	EA	6" Copper Cap, Grooved	169.78	19.16

23 21 13 23-2148 Grooved Valves (23 21 13 23-2065)

23 21 13 23-2149 Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2148)

Note: Copper body.

23 21	13 23-2150	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	450.65	7.88
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2151	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	510.48	11.72
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2152	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	674.85	15.40
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2153	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	896.95	25.29
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2154	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	982.90	35.54
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	

23 21 13 23-2155 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2148)

Note: Copper body.

23 21	13 23-2156	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	551.88	7.88
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2157	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	611.79	11.72
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2158	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	776.15	15.40
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2159	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	998.32	25.29
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21	13 23-2160	EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,084.21		35.54
		<i>For Chain Wheel, Add</i>	43.45		
		<i>For Valve Bracket Insulation, Add</i>	38.20		
23 21	13 23-2161	Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)			
		Note: Socket or back weld.			
23 21	13 23-2162	Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2161)			
		Note: ASTM D1785 with D2466 fittings.			
23 21	13 23-2163	Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2162)			
23 21	13 23-2164	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	3.49		2.11
		<i>For Work In Restricted Working Space, Add</i>	0.95		
23 21	13 23-2165	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.38		2.63
		<i>For Work In Restricted Working Space, Add</i>	1.19		
23 21	13 23-2166	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.83		2.81
		<i>For Work In Restricted Working Space, Add</i>	1.26		
23 21	13 23-2167	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.35		3.02
		<i>For Work In Restricted Working Space, Add</i>	1.36		
23 21	13 23-2168	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.54		3.07
		<i>For Work In Restricted Working Space, Add</i>	1.38		
23 21	13 23-2169	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.78		3.68
		<i>For Work In Restricted Working Space, Add</i>	1.66		
23 21	13 23-2170	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.55		4.38
		<i>For Work In Restricted Working Space, Add</i>	1.97		
23 21	13 23-2171	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.51		5.29
		<i>For Work In Restricted Working Space, Add</i>	2.38		
23 21	13 23-2172	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.62		7.92
		<i>For Work In Restricted Working Space, Add</i>	3.57		
23 21	13 23-2173	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	22.38		10.57
		<i>For Work In Restricted Working Space, Add</i>	4.76		
23 21	13 23-2174	LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	28.80		12.60
		<i>For Work In Restricted Working Space, Add</i>	5.67		
23 21	13 23-2175	LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	51.38		14.07
		<i>For Work In Restricted Working Space, Add</i>	6.32		
23 21	13 23-2176	Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2162)			
23 21	13 23-2177	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	12.49		7.96
		<i>For Work In Restricted Working Space, Add</i>	3.57		
23 21	13 23-2178	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	16.70		10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76		
23 21	13 23-2179	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	21.16		13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90		
23 21	13 23-2180	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	30.57		18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34		
23 21	13 23-2181	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.30		20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41		
23 21	13 23-2182	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	44.46		26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96		
23 21	13 23-2183	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	72.98		39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69		
23 21	13 23-2184	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	94.43		51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28		
23 21	13 23-2185	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	122.21		61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65		
23 21	13 23-2186	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	177.31		70.25
		<i>For Work In Restricted Working Space, Add</i>	31.60		
23 21	13 23-2187	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	308.22		81.98
		<i>For Work In Restricted Working Space, Add</i>	36.86		
23 21	13 23-2188	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	460.96		122.22
		<i>For Work In Restricted Working Space, Add</i>	54.96		
23 21	13 23-2189	Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2162)			
23 21	13 23-2190	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	12.79		7.96
		<i>For Work In Restricted Working Space, Add</i>	3.57		
23 21	13 23-2191	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	17.30		10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76		
23 21	13 23-2192	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	22.00		13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90		
23 21	13 23-2193	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	31.10		18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34		
23 21	13 23-2194	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.50		20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41		
23 21	13 23-2195	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.24		26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96		
23 21	13 23-2196	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.98		39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69		
23 21	13 23-2197	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	99.46		51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28		
23 21	13 23-2198	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	131.38		61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65		
23 21	13 23-2199	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	178.14		70.25
		<i>For Work In Restricted Working Space, Add</i>	31.60		
23 21	13 23-2200	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	298.10		81.98
		<i>For Work In Restricted Working Space, Add</i>	36.86		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-2201	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	460.96 54.96	122.22
23 21 13 23-2202 Schedule 40 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2162)</small>						
23 21	13 23-2203	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	20.38 5.90	13.12
23 21	13 23-2204	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	24.56 7.13	15.85
23 21	13 23-2205	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	32.87 9.41	20.93
23 21	13 23-2206	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	42.25 11.96	26.61
23 21	13 23-2207	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	50.49 14.27	31.70
23 21	13 23-2208	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	63.22 17.69	39.37
23 21	13 23-2209	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	91.73 23.28	51.75
23 21	13 23-2210	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	110.66 27.65	61.48
23 21	13 23-2211	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	156.41 36.86	81.98
23 21	13 23-2212	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	271.61 47.56	105.72
23 21	13 23-2213	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	458.90 58.98	131.15
23 21	13 23-2214	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	1,320.21 88.14	195.94
23 21 13 23-2215 Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2162)</small>						
23 21	13 23-2216	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	25.70 7.37	16.36
23 21	13 23-2217	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	30.94 8.92	19.83
23 21	13 23-2218	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	41.57 11.77	26.17
23 21	13 23-2219	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	53.57 14.94	33.25
23 21	13 23-2220	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	64.05 17.84	39.66
23 21	13 23-2221	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	80.39 22.12	49.17
23 21	13 23-2222	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	119.16 29.10	64.73
23 21	13 23-2223	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	144.20 34.56	76.81
23 21	13 23-2224	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	206.16 46.08	102.47
23 21	13 23-2225	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	375.34 59.43	132.11
23 21	13 23-2226	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	656.79 73.68	163.80
23 21	13 23-2227	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,976.44 110.23	245.04
23 21 13 23-2228 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2162)</small>						
23 21	13 23-2229	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	12.87 3.70	8.11
23 21	13 23-2230	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	16.93 4.74	10.39
23 21	13 23-2231	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	22.60 6.33	13.94
23 21	13 23-2232	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	27.86 7.89	17.32
23 21	13 23-2233	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	34.29 9.50	20.86
23 21	13 23-2234	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	48.11 13.18	28.98
23 21	13 23-2235	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	66.99 18.21	40.03
23 21	13 23-2236	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	89.64 22.64	49.76
23 21	13 23-2237	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	123.03 26.33	57.94
23 21	13 23-2238	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	304.22 30.42	66.94
23 21	13 23-2239	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	361.18 40.81	89.79
23 21 13 23-2240 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2162)</small>						
23 21	13 23-2241	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	13.15 3.57	7.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-2242	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	17.12	10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21 13 23-2243	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.22	13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21 13 23-2244	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	30.21	18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21 13 23-2245	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.12	20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-2246	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	43.62	26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 21 13 23-2247	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	64.42	39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-2248	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	83.89	51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28	
23 21 13 23-2249	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	106.34	61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65	
23 21 13 23-2250 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2162)</small>				
23 21 13 23-2251	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	13.57	7.96
		<i>For Work In Restricted Working Space, Add</i>	3.57	
23 21 13 23-2252	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	17.54	10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21 13 23-2253	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	22.06	13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21 13 23-2254	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	30.68	18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21 13 23-2255	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	35.20	20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-2256	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	44.58	26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 21 13 23-2257	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	65.50	39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-2258	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	87.18	51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28	
23 21 13 23-2259	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	104.43	61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65	
23 21 13 23-2260 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2162)</small>				
23 21 13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	12.49	7.96
		<i>For Work In Restricted Working Space, Add</i>	3.57	
23 21 13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	16.64	10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21 13 23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.56	13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21 13 23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	29.25	18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21 13 23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.05	20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	42.13	26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 21 13 23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	68.85	39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	90.89	51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28	
23 21 13 23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	114.13	61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65	
23 21 13 23-2270 Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-2162)</small>				
23 21 13 23-2271	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	20.59	10.83
		<i>For Work In Restricted Working Space, Add</i>	4.87	
23 21 13 23-2272 Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2162)</small>				
23 21 13 23-2273	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	12.25	7.96
		<i>For Work In Restricted Working Space, Add</i>	3.57	
23 21 13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	16.34	10.54
		<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21 13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	20.56	13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90	
23 21 13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	29.01	18.58
		<i>For Work In Restricted Working Space, Add</i>	8.34	
23 21 13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	32.69	20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 21 13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	41.89	26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96	
23 21 13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	63.52	39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69	
23 21 13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	84.73	51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28	
23 21 13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	102.51	61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2282 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	138.14 31.60	70.25
23 21 13 23-2283 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	184.19 36.86	81.98
23 21 13 23-2284 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	413.16 39.51	87.87
23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2162)</small>		
23 21 13 23-2286 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	22.02 5.90	13.12
23 21 13 23-2287 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	33.90 7.13	15.85
23 21 13 23-2288 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	42.69 9.41	20.93
23 21 13 23-2289 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	67.40 11.96	26.61
23 21 13 23-2290 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	76.31 14.27	31.70
23 21 13 23-2291 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	97.72 17.69	39.37
23 21 13 23-2292 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	147.91 23.28	51.75
23 21 13 23-2293 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	166.65 27.65	61.48
23 21 13 23-2294 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	270.61 36.86	81.98
23 21 13 23-2295 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	356.51 47.54	105.72
23 21 13 23-2296 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	523.22 58.94	131.08
23 21 13 23-2297 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	782.52 73.19	162.70
23 21 13 23-2298 Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2162)</small>		
23 21 13 23-2299 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	5.93 1.64	3.60
23 21 13 23-2300 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	7.74 2.14	4.72
23 21 13 23-2301 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	9.80 2.65	5.82
23 21 13 23-2302 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	14.05 3.82	8.40
23 21 13 23-2303 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	15.56 4.24	9.29
23 21 13 23-2304 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	19.67 5.38	11.87
23 21 13 23-2305 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	32.23 7.96	17.55
23 21 13 23-2306 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	41.09 10.48	23.07
23 21 13 23-2307 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	55.60 12.44	27.35
23 21 13 23-2308 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	81.23 14.22	31.26
23 21 13 23-2309 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	168.48 16.59	36.50
23 21 13 23-2310 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	501.24 24.73	54.41
23 21 13 23-2311 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2162)</small>		
23 21 13 23-2312 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	31.70 5.90	13.12
23 21 13 23-2313 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	42.23 7.13	15.85
23 21 13 23-2314 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.91 9.41	20.93
23 21 13 23-2315 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	60.99 11.96	26.61
23 21 13 23-2316 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	69.18 14.27	31.70
23 21 13 23-2317 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	87.72 17.69	39.37
23 21 13 23-2318 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	121.98 23.28	51.75
23 21 13 23-2319 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	141.14 27.65	61.48
23 21 13 23-2320 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	184.91 36.86	81.98
23 21 13 23-2321 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	256.02 47.54	105.72
23 21 13 23-2322 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	416.56 58.94	131.08
23 21 13 23-2323 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	739.62 73.08	162.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2324			Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2161) Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2325			Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2324)		
23 21 13 23-2326	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	3.59	2.14
			<i>For Work In Restricted Working Space, Add</i>	0.95	
23 21 13 23-2327	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.50	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.19	
23 21 13 23-2328	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.55	3.17
			<i>For Work In Restricted Working Space, Add</i>	1.42	
23 21 13 23-2329	LF		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.63	3.69
			<i>For Work In Restricted Working Space, Add</i>	1.66	
23 21 13 23-2330	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.64	4.20
			<i>For Work In Restricted Working Space, Add</i>	1.90	
23 21 13 23-2331	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.82	5.31
			<i>For Work In Restricted Working Space, Add</i>	2.38	
23 21 13 23-2332	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.55	5.82
			<i>For Work In Restricted Working Space, Add</i>	2.62	
23 21 13 23-2333	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	13.27	6.34
			<i>For Work In Restricted Working Space, Add</i>	2.85	
23 21 13 23-2334	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	17.41	7.96
			<i>For Work In Restricted Working Space, Add</i>	3.57	
23 21 13 23-2335	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	26.35	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 21 13 23-2336	LF		8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	34.88	12.60
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 21 13 23-2337	LF		10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	69.60	13.56
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-2338			Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2324)		
23 21 13 23-2339	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	14.05	7.96
			<i>For Work In Restricted Working Space, Add</i>	3.57	
			<i>For Threaded Fittings, Add</i>	1.78	
23 21 13 23-2340	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	18.67	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.76	
			<i>For Threaded Fittings, Add</i>	2.38	
23 21 13 23-2341	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	24.21	13.12
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Threaded Fittings, Add</i>	2.95	
23 21 13 23-2342	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	33.86	18.58
			<i>For Work In Restricted Working Space, Add</i>	8.34	
			<i>For Threaded Fittings, Add</i>	4.17	
23 21 13 23-2343	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	37.84	20.93
			<i>For Work In Restricted Working Space, Add</i>	9.41	
			<i>For Threaded Fittings, Add</i>	4.71	
23 21 13 23-2344	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	47.70	26.61
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Threaded Fittings, Add</i>	5.98	
23 21 13 23-2345	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	77.36	39.37
			<i>For Work In Restricted Working Space, Add</i>	17.69	
			<i>For Threaded Fittings, Add</i>	8.85	
23 21 13 23-2346	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	98.26	51.75
			<i>For Work In Restricted Working Space, Add</i>	23.28	
			<i>For Threaded Fittings, Add</i>	11.64	
23 21 13 23-2347	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	123.53	61.48
			<i>For Work In Restricted Working Space, Add</i>	27.65	
			<i>For Threaded Fittings, Add</i>	13.82	
23 21 13 23-2348	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	218.69	70.25
			<i>For Work In Restricted Working Space, Add</i>	31.60	
			<i>For Threaded Fittings, Add</i>	15.80	
23 21 13 23-2349	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	369.31	81.98
			<i>For Work In Restricted Working Space, Add</i>	36.86	
			<i>For Threaded Fittings, Add</i>	18.43	
23 21 13 23-2350	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	460.96	122.22
			<i>For Work In Restricted Working Space, Add</i>	54.96	
			<i>For Threaded Fittings, Add</i>	27.48	
23 21 13 23-2351			Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2324)		
23 21 13 23-2352	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	16.02	7.96
			<i>For Work In Restricted Working Space, Add</i>	3.57	
			<i>For Threaded Fittings, Add</i>	1.78	
23 21 13 23-2353	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	22.15	10.54
			<i>For Work In Restricted Working Space, Add</i>	4.76	
			<i>For Threaded Fittings, Add</i>	2.38	
23 21 13 23-2354	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	29.12	13.12
			<i>For Work In Restricted Working Space, Add</i>	5.90	
			<i>For Threaded Fittings, Add</i>	2.95	
23 21 13 23-2355	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	39.91	18.58
			<i>For Work In Restricted Working Space, Add</i>	8.34	
			<i>For Threaded Fittings, Add</i>	4.17	
23 21 13 23-2356	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.62	20.93
			<i>For Work In Restricted Working Space, Add</i>	9.41	
			<i>For Threaded Fittings, Add</i>	4.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2357	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	58.36 11.96 5.98	26.61
23 21	13 23-2358	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	97.90 17.69 8.85	39.37
23 21	13 23-2359	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	124.97 23.28 11.64	51.75
23 21	13 23-2360	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	177.50 27.65 13.82	61.48
23 21	13 23-2361	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	212.77 31.60 15.80	70.25
23 21	13 23-2362	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	355.85 36.86 18.43	81.98
23 21	13 23-2363	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	445.82 54.96 27.48	122.22
23 21 13 23-2364 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2324)					
23 21	13 23-2365	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.84 5.60 2.80	12.46
23 21	13 23-2366	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.25 7.13 3.57	15.85
23 21	13 23-2367	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.46 9.41 4.71	20.93
23 21	13 23-2368	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.19 11.96 5.98	26.61
23 21	13 23-2369	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.90 14.27 7.13	31.70
23 21	13 23-2370	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	86.94 17.69 8.85	39.37
23 21	13 23-2371	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	108.03 23.28 11.64	51.75
23 21	13 23-2372	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	130.12 27.65 13.82	61.48
23 21	13 23-2373	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	166.89 36.86 18.43	81.98
23 21	13 23-2374	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	308.93 47.56 23.78	105.72
23 21	13 23-2375	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	545.40 58.98 29.49	131.15
23 21	13 23-2376	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,320.28 88.14 44.07	195.94
23 21 13 23-2377 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2324)					
23 21	13 23-2378	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.00 7.00 3.50	15.55
23 21	13 23-2379	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.86 8.92 4.46	19.83
23 21	13 23-2380	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.89 11.77 5.88	26.17
23 21	13 23-2381	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	84.83 14.94 7.47	33.25
23 21	13 23-2382	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.47 17.84 8.92	39.66
23 21	13 23-2383	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	117.56 22.12 11.06	49.17
23 21	13 23-2384	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	144.70 29.10 14.55	64.73
23 21	13 23-2385	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	174.72 34.56 17.28	76.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-2386	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	222.60 46.08 23.04	102.47
23 21 13 23-2387	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	433.84 59.43 29.71	132.11
23 21 13 23-2388	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	792.39 73.68 36.84	163.80
23 21 13 23-2389	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,976.55 110.23 55.11	245.04
23 21 13 23-2390	Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2324)</small>		
23 21 13 23-2391	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	17.12 4.76	10.54
23 21 13 23-2392	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.31 5.90	13.12
23 21 13 23-2393	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	33.56 8.34	18.58
23 21 13 23-2394	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	39.21 9.41	20.93
23 21 13 23-2395	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	51.05 11.96	26.61
23 21 13 23-2396	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	78.37 17.69	39.37
23 21 13 23-2397	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	108.44 23.28	51.75
23 21 13 23-2398	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	134.91 27.65	61.48
23 21 13 23-2399	EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	152.75 31.60	70.25
23 21 13 23-2400	EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	228.15 36.86	81.98
23 21 13 23-2401	EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	367.90 42.82	95.18
23 21 13 23-2402	Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2324)</small>		
23 21 13 23-2403	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	12.31 3.57	7.96
23 21 13 23-2404	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	18.20 4.76	10.54
23 21 13 23-2405	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.31 5.90	13.12
23 21 13 23-2406	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	35.24 8.34	18.58
23 21 13 23-2407	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	40.71 9.41	20.93
23 21 13 23-2408	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	51.29 11.96	26.61
23 21 13 23-2409	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	83.16 17.69	39.37
23 21 13 23-2410	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	122.39 23.28	51.75
23 21 13 23-2411	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	161.02 27.65	61.48
23 21 13 23-2412	Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2324)</small>		
23 21 13 23-2413	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	16.98 3.57	7.96
23 21 13 23-2414	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.49 4.76	10.54
23 21 13 23-2415	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	29.48 5.90	13.12
23 21 13 23-2416	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	39.31 8.34	18.58
23 21 13 23-2417	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	47.90 9.41	20.93
23 21 13 23-2418	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	61.41 11.96	26.61
23 21 13 23-2419	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	83.52 17.69	39.37
23 21 13 23-2420	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	104.85 23.28	51.75
23 21 13 23-2421	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	140.60 27.65	61.48
23 21 13 23-2422	Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2324)</small>		
23 21 13 23-2423	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	15.60 3.57	7.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.37 4.76	10.54
23 21	13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	27.80 5.90	13.12
23 21	13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	41.04 8.34	18.58
23 21	13 23-2427	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	47.60 9.41	20.93
23 21	13 23-2428	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	68.12 11.96	26.61
23 21	13 23-2429	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	103.65 17.69	39.37
23 21	13 23-2430	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	127.90 23.28	51.75
23 21	13 23-2431	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	178.63 27.65	61.48
23 21 13 23-2432 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2324)					
23 21	13 23-2433	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.84 3.57 1.78	7.96
23 21	13 23-2434	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.19 4.76 2.38	10.54
23 21	13 23-2435	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.17 5.90 2.95	13.12
23 21	13 23-2436	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.25 8.34 4.17	18.58
23 21	13 23-2437	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	40.47 9.41 4.71	20.93
23 21	13 23-2438	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.55 11.96 5.98	26.61
23 21	13 23-2439	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	82.98 17.69 8.85	39.37
23 21	13 23-2440	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	105.21 23.28 11.64	51.75
23 21	13 23-2441	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	126.76 27.65 13.82	61.48
23 21	13 23-2442	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	179.76 31.60 15.80	70.25
23 21	13 23-2443	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	224.20 36.86 18.43	81.98
23 21	13 23-2444	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	431.13 39.51 19.76	87.87
23 21 13 23-2445 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2324)					
23 21	13 23-2446	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	28.52 5.90	13.12
23 21	13 23-2447	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	34.02 7.13	15.85
23 21	13 23-2448	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	43.05 9.41	20.93
23 21	13 23-2449	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	69.08 11.96	26.61
23 21	13 23-2450	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	85.17 14.27	31.70
23 21	13 23-2451	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	109.93 17.69	39.37
23 21	13 23-2452	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	172.49 23.28	51.75
23 21	13 23-2453	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	214.46 27.65	61.48
23 21	13 23-2454	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	270.97 36.86	81.98
23 21	13 23-2455	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	356.51 47.54	105.72
23 21	13 23-2456	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	523.22 58.94	131.08
23 21	13 23-2457	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	782.14 73.08	162.48
23 21 13 23-2458 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2324)					
23 21	13 23-2459	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	29.72	16.38
23 21	13 23-2460	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	35.59	18.95
23 21	13 23-2461	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	43.20	22.34

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-2462	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	58.27	26.61
23 21 13 23-2463	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	70.27	31.70
23 21 13 23-2464	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	93.65	39.37
23 21 13 23-2465	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	202.23	76.30
23 21 13 23-2466	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	219.02	84.63
23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2324)				
23 21 13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	10.93	3.54
		<i>For Work In Restricted Working Space, Add</i>	1.61	
		<i>For Threaded Fittings, Add</i>	0.80	
23 21 13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	13.01	4.72
		<i>For Work In Restricted Working Space, Add</i>	2.14	
		<i>For Threaded Fittings, Add</i>	1.07	
23 21 13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	19.26	5.82
		<i>For Work In Restricted Working Space, Add</i>	2.65	
		<i>For Threaded Fittings, Add</i>	1.33	
23 21 13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	25.10	8.26
		<i>For Work In Restricted Working Space, Add</i>	3.76	
		<i>For Threaded Fittings, Add</i>	1.88	
23 21 13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	26.70	9.29
		<i>For Work In Restricted Working Space, Add</i>	4.24	
		<i>For Threaded Fittings, Add</i>	2.12	
23 21 13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	36.79	11.87
		<i>For Work In Restricted Working Space, Add</i>	5.38	
		<i>For Threaded Fittings, Add</i>	2.69	
23 21 13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	65.29	17.55
		<i>For Work In Restricted Working Space, Add</i>	7.96	
		<i>For Threaded Fittings, Add</i>	3.98	
23 21 13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	82.29	23.07
		<i>For Work In Restricted Working Space, Add</i>	10.48	
		<i>For Threaded Fittings, Add</i>	5.24	
23 21 13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	117.65	27.35
		<i>For Work In Restricted Working Space, Add</i>	12.44	
		<i>For Threaded Fittings, Add</i>	6.22	
23 21 13 23-2477	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	236.64	31.26
		<i>For Work In Restricted Working Space, Add</i>	14.22	
		<i>For Threaded Fittings, Add</i>	7.11	
23 21 13 23-2478	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	315.26	36.50
		<i>For Work In Restricted Working Space, Add</i>	16.59	
		<i>For Threaded Fittings, Add</i>	8.29	
23 21 13 23-2479	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps.....	561.12	54.41
		<i>For Work In Restricted Working Space, Add</i>	24.73	
		<i>For Threaded Fittings, Add</i>	12.37	
23 21 13 23-2480 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges (23 21 13 23-2324)				
23 21 13 23-2481	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	36.85	13.12
		<i>For Work In Restricted Working Space, Add</i>	5.90	
		<i>For Threaded Fittings, Add</i>	2.95	
23 21 13 23-2482	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	42.23	15.85
		<i>For Work In Restricted Working Space, Add</i>	7.13	
		<i>For Threaded Fittings, Add</i>	3.57	
23 21 13 23-2483	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	51.91	20.93
		<i>For Work In Restricted Working Space, Add</i>	9.41	
		<i>For Threaded Fittings, Add</i>	4.71	
23 21 13 23-2484	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	60.99	26.61
		<i>For Work In Restricted Working Space, Add</i>	11.96	
		<i>For Threaded Fittings, Add</i>	5.98	
23 21 13 23-2485	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	69.18	31.70
		<i>For Work In Restricted Working Space, Add</i>	14.27	
		<i>For Threaded Fittings, Add</i>	7.13	
23 21 13 23-2486	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	87.72	39.37
		<i>For Work In Restricted Working Space, Add</i>	17.69	
		<i>For Threaded Fittings, Add</i>	8.85	
23 21 13 23-2487	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	121.98	51.75
		<i>For Work In Restricted Working Space, Add</i>	23.28	
		<i>For Threaded Fittings, Add</i>	11.64	
23 21 13 23-2488	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	141.14	61.48
		<i>For Work In Restricted Working Space, Add</i>	27.65	
		<i>For Threaded Fittings, Add</i>	13.82	
23 21 13 23-2489	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	184.91	81.98
		<i>For Work In Restricted Working Space, Add</i>	36.86	
		<i>For Threaded Fittings, Add</i>	18.43	
23 21 13 23-2490	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	256.03	105.72
		<i>For Work In Restricted Working Space, Add</i>	47.54	
		<i>For Threaded Fittings, Add</i>	23.77	
23 21 13 23-2491	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	416.56	131.08
		<i>For Work In Restricted Working Space, Add</i>	58.94	
		<i>For Threaded Fittings, Add</i>	29.47	
23 21 13 23-2492	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	739.62	162.48
		<i>For Work In Restricted Working Space, Add</i>	73.08	
		<i>For Threaded Fittings, Add</i>	36.54	
23 21 13 23-2493 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2161)				
		Note: In place pipe.		
23 21 13 23-2494	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	4.00	
		<i>For Work In Restricted Working Space, Add</i>	1.20	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-2495	EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.32 1.30	
23 21 13 23-2496	EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.86 1.46	
23 21 13 23-2497	EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.10 1.53	
23 21 13 23-2498	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.40 1.62	
23 21 13 23-2499	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.94 1.78	
23 21 13 23-2500	EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.40 1.92	
23 21 13 23-2501	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.56 2.27	
23 21 13 23-2502	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.20 3.06	
23 21 13 23-2503	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	14.57 4.37	
23 21 13 23-2504	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.44 5.83	
23 21 13 23-2505	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.77 7.13	

23 21 13 23-2506 Polyethylene Pipe And Fittings (23 21 13 23)

23 21 13 23-2507 Small Diameter Tubing (23 21 13 23-2506)

23 21 13 23-2508 Tubing (23 21 13 23-2507)

23 21 13 23-2509	LF 1/4" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.30 0.67	
23 21 13 23-2510	LF 5/16" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.42 0.68	
23 21 13 23-2511	LF 3/8" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.50 0.69	
23 21 13 23-2512	LF 1/2" Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	2.64 0.75	

23 21 13 23-2513 Chrome Plated Pipe (23 21 13 23)

23 21 13 23-2514 Chrome Plated Nipples (23 21 13 23-2513)

23 21 13 23-2515 Close (23 21 13 23-2514)

23 21 13 23-2516	EA 1/4" Diameter Chrome Plated Nipple, Close.....	15.96	6.40
23 21 13 23-2517	EA 3/8" Diameter Chrome Plated Nipple, Close.....	14.71	6.96
23 21 13 23-2518	EA 1/2" Diameter Chrome Plated Nipple, Close.....	18.70	8.00
23 21 13 23-2519	EA 3/4" Diameter Chrome Plated Nipple, Close.....	24.79	10.16
23 21 13 23-2520	EA 1" Diameter Chrome Plated Nipple, Close.....	33.36	13.36
23 21 13 23-2521	EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	47.40	18.64
23 21 13 23-2522	EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	58.47	21.85
23 21 13 23-2523	EA 2" Diameter Chrome Plated Nipple, Close.....	76.04	27.20

23 21 13 23-2524 1-1/2" Nipples (23 21 13 23-2514)

23 21 13 23-2525	EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	17.16	6.64
23 21 13 23-2526	EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	15.61	7.20
23 21 13 23-2527	EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	19.12	8.24
23 21 13 23-2528	EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	25.73	10.40

23 21 13 23-2529 2" Nipples (23 21 13 23-2514)

23 21 13 23-2530	EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	17.86	6.96
23 21 13 23-2531	EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	16.15	7.44
23 21 13 23-2532	EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	20.86	8.56
23 21 13 23-2533	EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	27.18	10.65
23 21 13 23-2534	EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	35.45	13.84
23 21 13 23-2535	EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	51.04	19.20
23 21 13 23-2536	EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	62.74	22.40

23 21 13 23-2537 2-1/2" Nipples (23 21 13 23-2514)

23 21 13 23-2538	EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	18.97	7.20
23 21 13 23-2539	EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	16.73	7.76
23 21 13 23-2540	EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	21.83	8.80
23 21 13 23-2541	EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	27.83	10.96
23 21 13 23-2542	EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	36.54	14.16
23 21 13 23-2543	EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	54.73	19.44
23 21 13 23-2544	EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	67.72	22.64
23 21 13 23-2545	EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	86.74	28.00

23 21 13 23-2546 3" Nipples (23 21 13 23-2514)

23 21 13 23-2547	EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	19.80	7.44
23 21 13 23-2548	EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	17.86	8.00
23 21 13 23-2549	EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	21.65	8.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 21	13 23-2550	EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	30.47	11.20
23 21	13 23-2551	EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	42.11	14.40
23 21	13 23-2552	EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	58.76	19.77
23 21	13 23-2553	EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	79.69	22.96
23 21	13 23-2554	EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	96.09	28.32
23 21	13 23-2555	3-1/2" Nipples (23 21 13 23-2514)		
23 21	13 23-2556	EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	20.74	7.76
23 21	13 23-2557	EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	19.92	8.24
23 21	13 23-2558	EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	23.92	9.36
23 21	13 23-2559	EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	34.44	11.44
23 21	13 23-2560	EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	44.15	14.64
23 21	13 23-2561	EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	66.88	20.00
23 21	13 23-2562	EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	83.15	23.20
23 21	13 23-2563	EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	103.48	28.56
23 21	13 23-2564	4" Nipples (23 21 13 23-2514)		
23 21	13 23-2565	EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	21.68	8.00
23 21	13 23-2566	EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	20.38	8.56
23 21	13 23-2567	EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	24.37	9.04
23 21	13 23-2568	EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	35.91	11.76
23 21	13 23-2569	EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	46.07	14.96
23 21	13 23-2570	EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	73.00	20.24
23 21	13 23-2571	EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	90.45	23.44
23 21	13 23-2572	EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	112.56	28.81
23 21	13 23-2573	4-1/2" Nipples (23 21 13 23-2514)		
23 21	13 23-2574	EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	22.51	8.24
23 21	13 23-2575	EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	22.44	8.80
23 21	13 23-2576	EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	26.78	9.84
23 21	13 23-2577	EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	37.61	12.00
23 21	13 23-2578	EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	53.20	15.20
23 21	13 23-2579	EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	78.87	20.56
23 21	13 23-2580	EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	93.62	23.77
23 21	13 23-2581	EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	120.88	29.12
23 21	13 23-2582	5" Nipples (23 21 13 23-2514)		
23 21	13 23-2583	EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	25.78	8.56
23 21	13 23-2584	EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	23.65	9.04
23 21	13 23-2585	EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	27.81	10.16
23 21	13 23-2586	EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	39.23	12.24
23 21	13 23-2587	EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	57.45	15.44
23 21	13 23-2588	EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	84.19	20.81
23 21	13 23-2589	EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	100.94	24.00
23 21	13 23-2590	EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	126.21	29.36
23 21	13 23-2591	5-1/2" Nipples (23 21 13 23-2514)		
23 21	13 23-2592	EA 1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	26.63	8.80
23 21	13 23-2593	EA 3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	24.56	9.36
23 21	13 23-2594	EA 1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	31.08	10.40
23 21	13 23-2595	EA 3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	40.85	12.56
23 21	13 23-2596	EA 1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	59.57	15.76
23 21	13 23-2597	EA 1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	90.68	21.04
23 21	13 23-2598	EA 1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	106.76	24.24
23 21	13 23-2599	EA 2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	133.02	29.60
23 21	13 23-2600	6" Nipples (23 21 13 23-2514)		
23 21	13 23-2601	EA 1/4" Diameter, 6" Length, Chrome Plated Nipple.....	27.66	9.04
23 21	13 23-2602	EA 3/8" Diameter, 6" Length, Chrome Plated Nipple.....	24.99	9.61
23 21	13 23-2603	EA 1/2" Diameter, 6" Length, Chrome Plated Nipple.....	32.01	10.65
23 21	13 23-2604	EA 3/4" Diameter, 6" Length, Chrome Plated Nipple.....	42.13	12.80
23 21	13 23-2605	EA 1" Diameter, 6" Length, Chrome Plated Nipple.....	66.49	16.00
23 21	13 23-2606	EA 1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	94.59	21.36
23 21	13 23-2607	EA 1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	115.79	24.56
23 21	13 23-2608	EA 2" Diameter, 6" Length, Chrome Plated Nipple.....	139.25	29.93
23 21	13 23-2609	8" Nipples (23 21 13 23-2514)		
23 21	13 23-2610	EA 3/8" Diameter, 8" Length, Chrome Plated Nipple.....	30.90	10.16
23 21	13 23-2611	EA 1/2" Diameter, 8" Length, Chrome Plated Nipple.....	48.76	11.20
23 21	13 23-2612	EA 3/4" Diameter, 8" Length, Chrome Plated Nipple.....	59.52	13.36
23 21	13 23-2613	EA 1" Diameter, 8" Length, Chrome Plated Nipple.....	80.08	16.56
23 21	13 23-2614	EA 1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	116.42	21.85
23 21	13 23-2615	EA 1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	144.47	25.04
23 21	13 23-2616	EA 2" Diameter, 8" Length, Chrome Plated Nipple.....	178.41	30.40
23 21	13 23-2617	10" Nipples (23 21 13 23-2514)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2618 EA 3/8" Diameter, 10" Length, Chrome Plated Nipple.....	36.93	10.16
23 21 13 23-2619 EA 1/2" Diameter, 10" Length, Chrome Plated Nipple.....	56.36	11.20
23 21 13 23-2620 EA 3/4" Diameter, 10" Length, Chrome Plated Nipple.....	68.31	13.36
23 21 13 23-2621 EA 1" Diameter, 10" Length, Chrome Plated Nipple.....	93.38	16.56
23 21 13 23-2622 EA 1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	144.89	21.85
23 21 13 23-2623 EA 1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	166.16	25.04
23 21 13 23-2624 EA 2" Diameter, 10" Length, Chrome Plated Nipple.....	213.09	30.40
23 21 13 23-2625 12" Nipples (2321 13 23-2514)		
23 21 13 23-2626 EA 3/8" Diameter, 12" Length, Chrome Plated Nipple.....	41.28	11.20
23 21 13 23-2627 EA 1/2" Diameter, 12" Length, Chrome Plated Nipple.....	58.99	11.76
23 21 13 23-2628 EA 3/4" Diameter, 12" Length, Chrome Plated Nipple.....	76.16	13.84
23 21 13 23-2629 EA 1" Diameter, 12" Length, Chrome Plated Nipple.....	111.12	17.60
23 21 13 23-2630 EA 1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	163.88	22.96
23 21 13 23-2631 EA 2" Diameter, 12" Length, Chrome Plated Nipple.....	242.42	31.52
23 21 13 23-2632 18" Nipples (2321 13 23-2514)		
23 21 13 23-2633 EA 3/8" Diameter, 18" Length, Chrome Plated Nipple.....	54.75	11.76
23 21 13 23-2634 24" Nipples (2321 13 23-2514)		
23 21 13 23-2635 EA 3/8" Diameter, 24" Length, Chrome Plated Nipple.....	67.62	12.24
23 21 13 23-2636 30" Nipples (2321 13 23-2514)		
23 21 13 23-2637 EA 3/8" Diameter, 30" Length, Chrome Plated Nipple.....	75.66	12.80
23 21 13 23-2638 36" Nipples (2321 13 23-2514)		
23 21 13 23-2639 EA 3/8" Diameter, 36" Length, Chrome Plated Nipple.....	83.73	13.36
23 21 13 23-2640 Chrome Plated Fittings (2321 13 23-2513)		
23 21 13 23-2641 Chrome Plated 90 Degree Elbows (2321 13 23-2640)		
23 21 13 23-2642 EA 1/4" 90 Degree Elbow, Chrome Plated.....	21.34	7.44
23 21 13 23-2643 EA 3/8" 90 Degree Elbow, Chrome Plated.....	21.49	8.00
23 21 13 23-2644 EA 1/2" 90 Degree Elbow, Chrome Plated.....	24.52	8.56
23 21 13 23-2645 EA 3/4" 90 Degree Elbow, Chrome Plated.....	31.07	11.20
23 21 13 23-2646 EA 1" 90 Degree Elbow, Chrome Plated.....	42.78	14.40
23 21 13 23-2647 EA 1-1/4" 90 Degree Elbow, Chrome Plated.....	67.57	19.77
23 21 13 23-2648 EA 1-1/2" 90 Degree Elbow, Chrome Plated.....	81.74	22.96
23 21 13 23-2649 EA 2" 90 Degree Elbow, Chrome Plated.....	114.19	28.32
23 21 13 23-2650 Chrome Plated Street 90 Degree Elbows (2321 13 23-2640)		
23 21 13 23-2651 EA 1/4" Street 90 Degree Elbow, Chrome Plated.....	25.59	7.44
23 21 13 23-2652 EA 3/8" Street 90 Degree Elbow, Chrome Plated.....	26.15	8.00
23 21 13 23-2653 EA 1/2" Street 90 Degree Elbow, Chrome Plated.....	27.76	8.56
23 21 13 23-2654 EA 3/4" Street 90 Degree Elbow, Chrome Plated.....	35.85	11.20
23 21 13 23-2655 EA 1" Street 90 Degree Elbow, Chrome Plated.....	51.60	14.40
23 21 13 23-2656 EA 1-1/4" Street 90 Degree Elbow, Chrome Plated.....	76.61	19.77
23 21 13 23-2657 EA 1-1/2" Street 90 Degree Elbow, Chrome Plated.....	94.40	22.96
23 21 13 23-2658 EA 2" Street 90 Degree Elbow, Chrome Plated.....	143.99	28.32
23 21 13 23-2659 Chrome Plated 45 Degree Elbows (2321 13 23-2640)		
23 21 13 23-2660 EA 1/4" 45 Degree Elbow, Chrome Plated.....	22.27	7.44
23 21 13 23-2661 EA 3/8" 45 Degree Elbow, Chrome Plated.....	22.83	8.00
23 21 13 23-2662 EA 1/2" 45 Degree Elbow, Chrome Plated.....	25.48	8.56
23 21 13 23-2663 EA 3/4" 45 Degree Elbow, Chrome Plated.....	34.72	11.20
23 21 13 23-2664 EA 1" 45 Degree Elbow, Chrome Plated.....	46.87	14.40
23 21 13 23-2665 EA 1-1/4" 45 Degree Elbow, Chrome Plated.....	72.47	19.77
23 21 13 23-2666 EA 1-1/2" 45 Degree Elbow, Chrome Plated.....	88.30	22.96
23 21 13 23-2667 EA 2" 45 Degree Elbow, Chrome Plated.....	132.22	28.32
23 21 13 23-2668 Chrome Plated Street 45 Degree Elbows (2321 13 23-2640)		
23 21 13 23-2669 EA 1/2" Street 45 Degree Elbow, Chrome Plated.....	31.32	8.56
23 21 13 23-2670 Chrome Plated Couplings (2321 13 23-2640)		
23 21 13 23-2671 EA 1/4" Coupling, Chrome Plated.....	20.76	7.44
23 21 13 23-2672 EA 3/8" Coupling, Chrome Plated.....	21.56	8.00
23 21 13 23-2673 EA 1/2" Coupling, Chrome Plated.....	24.76	8.56
23 21 13 23-2674 EA 3/4" Coupling, Chrome Plated.....	31.16	11.20
23 21 13 23-2675 EA 1" Coupling, Chrome Plated.....	40.77	14.40
23 21 13 23-2676 EA 1-1/4" Coupling, Chrome Plated.....	60.22	19.77
23 21 13 23-2677 EA 1-1/2" Coupling, Chrome Plated.....	75.59	22.96
23 21 13 23-2678 EA 2" Coupling, Chrome Plated.....	106.69	28.32

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2679			Chrome Plated Unions (23 21 13 23-2640)		
23 21 13 23-2680	EA		1/4" Union, Chrome Plated	35.88	8.56
23 21 13 23-2681	EA		3/8" Union, Chrome Plated	36.71	9.04
23 21 13 23-2682	EA		1/2" Union, Chrome Plated	44.98	10.16
23 21 13 23-2683	EA		3/4" Union, Chrome Plated	55.21	13.36
23 21 13 23-2684	EA		1" Union, Chrome Plated	69.67	17.04
23 21 13 23-2685	EA		1-1/4" Union, Chrome Plated	116.47	22.96
23 21 13 23-2686	EA		1-1/2" Union, Chrome Plated	146.03	27.20
23 21 13 23-2687	EA		2" Union, Chrome Plated	192.36	33.12
23 21 13 23-2688			Chrome Plated Caps (23 21 13 23-2640)		
23 21 13 23-2689	EA		1/4" Cap, Chrome Plated	14.92	3.76
23 21 13 23-2690	EA		3/8" Cap, Chrome Plated	15.32	4.00
23 21 13 23-2691	EA		1/2" Cap, Chrome Plated	17.71	4.24
23 21 13 23-2692	EA		3/4" Cap, Chrome Plated	21.89	5.60
23 21 13 23-2693	EA		1" Cap, Chrome Plated	25.62	7.20
23 21 13 23-2694	EA		1-1/4" Cap, Chrome Plated	38.37	9.84
23 21 13 23-2695	EA		1-1/2" Cap, Chrome Plated	51.69	11.44
23 21 13 23-2696	EA		2" Cap, Chrome Plated	76.90	14.96
23 21 13 23-2697			Chrome Plated Plugs (23 21 13 23-2640)		
23 21 13 23-2698	EA		1/4" Plug, Chrome Plated	11.68	3.76
23 21 13 23-2699	EA		3/8" Plug, Chrome Plated	12.08	4.00
23 21 13 23-2700	EA		1/2" Plug, Chrome Plated	14.30	4.24
23 21 13 23-2701	EA		3/4" Plug, Chrome Plated	19.46	5.60
23 21 13 23-2702	EA		1" Plug, Chrome Plated	23.77	7.20
23 21 13 23-2703	EA		1-1/4" Plug, Chrome Plated	31.98	9.84
23 21 13 23-2704	EA		1-1/2" Plug, Chrome Plated	39.99	11.44
23 21 13 23-2705	EA		2" Plug, Chrome Plated	56.56	14.96
23 21 13 23-2706			Chrome Plated Tees (23 21 13 23-2640)		
23 21 13 23-2707	EA		1/4" Chrome Plated Tee	29.03	11.20
23 21 13 23-2708	EA		3/8" Chrome Plated Tee	30.63	12.24
23 21 13 23-2709	EA		1/2" Chrome Plated Tee	34.39	13.36
23 21 13 23-2710	EA		3/4" Chrome Plated Tee	42.89	16.56
23 21 13 23-2711	EA		1" Chrome Plated Tee	62.60	21.36
23 21 13 23-2712	EA		1-1/4" Chrome Plated Tee	86.36	29.36
23 21 13 23-2713	EA		1-1/2" Chrome Plated Tee	113.11	34.16
23 21 13 23-2714	EA		2" Chrome Plated Tee	158.68	42.17
23 21 13 23-2715			Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2716	EA		1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	32.23	13.36
23 21 13 23-2717	EA		3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	37.04	16.56
23 21 13 23-2718			Chrome Plated Bell Reducers (23 21 13 23-2640)		
23 21 13 23-2719	EA		1/2" x 3/8" Bell Reducer, Chrome Plated	36.14	13.36
23 21 13 23-2720	EA		3/4" x 1/2" Bell Reducer, Chrome Plated	43.78	16.56
23 21 13 23-2721	EA		1" x 1/2" Bell Reducer, Chrome Plated	55.38	21.36
23 21 13 23-2722			Chrome Plated Reducing Tees (23 21 13 23-2640)		
23 21 13 23-2723	EA		3/4" x 1/2" Reducing Tee, Chrome Plated	48.75	16.56
23 21 13 23-2724			Chrome Plated Bushings (23 21 13 23-2640)		
23 21 13 23-2725	EA		3/8" x 1/4" Bushing, Chrome Plated	11.58	3.76
23 21 13 23-2726	EA		1/2" x 1/4" Bushing, Chrome Plated	12.49	4.00
23 21 13 23-2727	EA		1/2" x 3/8" Bushing, Chrome Plated	12.89	4.24
23 21 13 23-2728	EA		3/4" x 1/2" Bushing, Chrome Plated	16.24	5.60
23 21 13 23-2729	EA		1" x 3/4" Bushing, Chrome Plated	24.39	7.20
23 21 13 23-2730	EA		1-1/4" x 1" Bushing, Chrome Plated	36.19	9.84
23 21 16			Hydronic Piping Specialties (23 21)		
23 21 16 00-0001			Vent Valves (23 21 16)		
23 21 16 00-0002	EA		1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	56.29	12.01
23 21 16 00-0003	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	137.39	12.92
23 21 16 00-0004	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	130.92	12.92
23 21 16 00-0005	EA		1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	135.45	12.92
23 21 16 00-0006	EA		3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	175.09	12.92
23 21 16 00-0007	EA		1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	129.14	12.92
23 21 16 00-0008			Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0009			Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	192.46 76.31	20.25
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	217.29 81.93	24.01
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	274.51 110.52	27.76
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	413.13 194.46	31.51
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	466.17 214.96	37.51
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	649.53 314.14	47.26
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	1,479.37 835.92	62.27
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	378.75 202.99	20.25
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	458.52 245.96	24.01
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	651.05 366.57	27.76
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	666.23 366.57	31.51
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	954.35 546.92	37.51
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	991.86 546.92	47.26
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow..... <i>For Flanged Inlet, Add</i>	1,631.25 939.20	62.27
23 21 16 00-0025 Y-Type Strainers (23 21 16)		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.00 20.69 7.69	8.96
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.39 20.69 7.80	9.13
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.61 24.70 10.57	12.33
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.77 33.37 12.61	14.73
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.48 45.72 15.61	18.21
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.17 55.07 16.81	19.62
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.57 84.77 19.21	22.41
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.16 190.56 24.02	28.01
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	597.98 248.96 30.02	35.07
23 21 16 00-0036 Flanged, 125 LB, Iron Body , Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.16 66.42 31.60	84.05
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.17 71.88 40.03	106.71
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	513.01 171.35 51.10	136.09
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	674.79 194.45 85.77	228.15
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	730.76 217.54 88.71	236.92
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	870.56 270.17 99.07	263.24
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,482.04 532.10 125.35	336.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,883.77 1,185.96 153.56	409.48
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,197.48 1,233.14 219.36	365.61
23 21 16 00-0046			Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.70 43.67 7.80	9.13
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.62 56.78 10.57	12.33
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.10 71.52 12.61	14.73
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.71 89.54 15.61	18.21
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.45 116.30 16.81	19.62
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.17 188.92 19.21	22.41
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.44 311.76 24.02	28.01
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	480.31 646.41 30.02	35.07
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	841.72 1,226.79 36.02	42.03
23 21 16 00-0056			Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	452.61 191.51 40.03	106.71
23 21 16 00-0058	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	470.74 195.12 43.66	116.08
23 21 16 00-0059	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	542.71 223.43 51.10	136.09
23 21 16 00-0060	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,190.74 542.90 85.77	228.15
23 21 16 00-0061	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,701.81 822.95 99.07	263.24
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,758.57 1,404.44 125.35	336.36
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,913.05 5,040.72 153.56	409.48
23 21 16 00-0064			Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: Nibco®		
23 21 16 00-0065	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	133.04 5.40	8.00
23 21 16 00-0066	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	154.21 6.15	8.80
23 21 16 00-0067	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	220.77 7.35	10.00
23 21 16 00-0068	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	297.55 8.10	10.65
23 21 16 00-0069	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	358.91 9.00	12.32
23 21 16 00-0070	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	533.77 10.80	14.56
23 21 16 00-0071			250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0072	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	67.50	8.00
23 21 16 00-0073	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	82.90	8.80
23 21 16 00-0074	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	123.49	10.00
23 21 16 00-0075	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	151.99	10.65
23 21 16 00-0076	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	182.17	12.32
23 21 16 00-0077	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	240.45	14.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0078			Cast Iron Body, Suction Diffusers <small>(23 21 16)</small> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	422.16	31.54
			<i>For Work In Restricted Working Space, Add</i>	15.44	
23 21 16 00-0080	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	442.70	34.99
			<i>For Work In Restricted Working Space, Add</i>	17.15	
23 21 16 00-0081	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	449.29	36.74
			<i>For Work In Restricted Working Space, Add</i>	18.02	
23 21 16 00-0082	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	842.44	116.08
			<i>For Work In Restricted Working Space, Add</i>	43.66	
23 21 16 00-0083	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	462.68	42.75
			<i>For Work In Restricted Working Space, Add</i>	20.93	
23 21 16 00-0084	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	525.70	42.75
			<i>For Work In Restricted Working Space, Add</i>	20.93	
23 21 16 00-0085	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	880.78	126.34
			<i>For Work In Restricted Working Space, Add</i>	47.38	
23 21 16 00-0086	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	896.88	136.09
			<i>For Work In Restricted Working Space, Add</i>	51.10	
23 21 16 00-0087	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,084.41	182.49
			<i>For Work In Restricted Working Space, Add</i>	68.43	
23 21 16 00-0088	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,271.94	228.15
			<i>For Work In Restricted Working Space, Add</i>	85.77	
23 21 16 00-0089	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,474.49	236.55
			<i>For Work In Restricted Working Space, Add</i>	88.71	
23 21 16 00-0090	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,787.04	263.24
			<i>For Work In Restricted Working Space, Add</i>	99.07	
23 21 16 00-0091	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,011.82	336.36
			<i>For Work In Restricted Working Space, Add</i>	125.35	
23 21 16 00-0092	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,157.25	336.36
			<i>For Work In Restricted Working Space, Add</i>	125.35	
23 21 16 00-0093	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,599.71	409.48
			<i>For Work In Restricted Working Space, Add</i>	153.56	
23 21 16 00-0094	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	4,226.18	409.48
			<i>For Work In Restricted Working Space, Add</i>	153.56	

23 21 16 00-0095			Duplex Strainers <small>(23 21 16)</small>		
23 21 16 00-0096			Iron Body, Duplex Strainers <small>(23 21 16 00-0095)</small>		
23 21 16 00-0097			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0096)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0098	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	695.10	19.93
			<i>For Work In Restricted Working Space, Add</i>	11.97	
23 21 16 00-0099	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	775.95	22.82
			<i>For Work In Restricted Working Space, Add</i>	13.70	
23 21 16 00-0100	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,053.47	26.82
			<i>For Work In Restricted Working Space, Add</i>	16.08	
23 21 16 00-0101	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,327.90	29.22
			<i>For Work In Restricted Working Space, Add</i>	17.53	
23 21 16 00-0102	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,481.16	35.62
			<i>For Work In Restricted Working Space, Add</i>	21.44	
23 21 16 00-0103	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,241.14	45.63
			<i>For Work In Restricted Working Space, Add</i>	27.37	

23 21 16 00-0104			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0096)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0105	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,419.82	106.71
			<i>For Work In Restricted Working Space, Add</i>	40.03	
23 21 16 00-0106	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,500.19	116.08
			<i>For Work In Restricted Working Space, Add</i>	43.66	
23 21 16 00-0107	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	3,207.48	136.09
			<i>For Work In Restricted Working Space, Add</i>	51.10	
23 21 16 00-0108	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	5,038.70	208.39
			<i>For Work In Restricted Working Space, Add</i>	78.35	
23 21 16 00-0109	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	9,885.32	263.24
			<i>For Work In Restricted Working Space, Add</i>	99.07	
23 21 16 00-0110	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	18,845.54	336.36
			<i>For Work In Restricted Working Space, Add</i>	125.35	
23 21 16 00-0111	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	26,037.63	409.48
			<i>For Work In Restricted Working Space, Add</i>	153.56	
23 21 16 00-0112	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	29,425.10	516.24
			<i>For Work In Restricted Working Space, Add</i>	309.84	
23 21 16 00-0113	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	35,129.59	584.98
			<i>For Work In Restricted Working Space, Add</i>	219.36	
23 21 16 00-0114	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	43,938.80	643.47
			<i>For Work In Restricted Working Space, Add</i>	241.30	

23 21 16 00-0115			Bronze Body, Duplex Strainers <small>(23 21 16 00-0095)</small>		
23 21 16 00-0116			Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers <small>(23 21 16 00-0115)</small> Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,302.53	20.01
			<i>For Work In Restricted Working Space, Add</i>	11.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0118	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,444.81 13.70	22.82
23 21 16 00-0119	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,118.19 16.08	26.82
23 21 16 00-0120	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,788.47 17.53	29.22
23 21 16 00-0121	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,603.46 21.44	35.62
23 21 16 00-0122	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,425.16 27.37	45.63
23 21 16 00-0123			Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,047.47 40.03	106.71
23 21 16 00-0125	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,196.10 43.66	116.08
23 21 16 00-0126	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,131.90 51.10	136.09
23 21 16 00-0127	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,249.52 78.35	208.39
23 21 16 00-0128	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	24,490.99 99.07	263.24
23 21 16 00-0129			Cast Steel Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0130			Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129) Note: With brass or stainless steel basket.		
23 21 16 00-0131	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,032.97 13.70	22.82
23 21 16 00-0132	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,504.59 16.08	26.82
23 21 16 00-0133	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,973.16 17.54	29.22
23 21 16 00-0134	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,039.73 21.44	35.62
23 21 16 00-0135			Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129) Note: With brass or stainless steel basket.		
23 21 16 00-0136	EA		2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,134.79 40.03	106.71
23 21 16 00-0137	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,643.74 43.66	116.08
23 21 16 00-0138	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,423.97 51.10	136.09
23 21 16 00-0139	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,893.21 78.35	208.39
23 21 16 00-0140	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,613.39 99.07	263.24
23 21 16 00-0141	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	36,321.75 125.35	336.36
23 21 16 00-0142			Stainless Steel Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0143			Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142) Note: With stainless steel basket.		
23 21 16 00-0144	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,427.39 13.70	22.82
23 21 16 00-0145	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,595.65 16.08	26.82
23 21 16 00-0146	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,752.74 17.54	29.22
23 21 16 00-0147	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,822.91 21.44	35.62
23 21 16 00-0148			Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0142) Note: With stainless steel basket.		
23 21 16 00-0149	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,331.14 40.03	106.71
23 21 16 00-0150	EA		2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,911.26 43.66	116.08
23 21 16 00-0151	EA		3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,670.90 51.10	136.09
23 21 16 00-0152	EA		4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,818.87 78.35	208.39
23 21 16 00-0153	EA		6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	40,090.23 99.07	263.24
23 21 16 00-0154	EA		8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	74,095.57 125.35	336.36

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0155	Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0156	Screwed Ends, Iron Body, Water Pressure Reducing Valves <small>(23 21 16 00-0155)</small> <small>Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating</small>		
23 21 16 00-0157	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	201.53 12.00	10.00
23 21 16 00-0158	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	250.32 13.34	11.20
23 21 16 00-0159	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	334.09 14.12	12.00
23 21 16 00-0160	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	583.88 16.00	13.44
23 21 16 00-0161	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	795.86 19.20	16.00
23 21 16 00-0162	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,137.94 29.49	24.55
23 21 16 00-0163	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,236.38 33.17	27.64
23 21 16 00-0164	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,357.99 36.86	79.99
23 21 16 00-0165	Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0155)</small> <small>Note: Single seated, spring loaded, direct acting diaphragm valve.</small>		
23 21 16 00-0166	Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0165)</small>		
23 21 16 00-0167	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	344.62 16.12	13.45
23 21 16 00-0168	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	428.15 22.87	19.05
23 21 16 00-0169	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	552.20 27.93	23.21
23 21 16 00-0170	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	745.06 32.45	28.18
23 21 16 00-0171	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,008.56 36.95	32.03
23 21 16 00-0172	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,178.13 45.02	45.01
23 21 16 00-0173	Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0165)</small> <small>Note: Single seated, spring loaded, direct acting diaphragm valve.</small>		
23 21 16 00-0174	EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	2,793.98 40.92	108.78
23 21 16 00-0175	EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,477.85 47.89	127.54
23 21 16 00-0176	EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	4,450.10 80.38	213.82
23 21 16 00-0177	EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	11,222.19 99.01	263.09
23 21 16 00-0178	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0155)</small>		
23 21 16 00-0179	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0178)</small>		
23 21 16 00-0180	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,043.14 14.65	9.76
23 21 16 00-0181	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,086.39 14.65	9.76
23 21 16 00-0182	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,219.34 18.49	12.33
23 21 16 00-0183	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,606.18 23.54	15.69
23 21 16 00-0184	EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,983.41 27.14	18.09
23 21 16 00-0185	EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,701.04 31.94	21.29
23 21 16 00-0186	Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0178)</small>		
23 21 16 00-0187	EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,571.95 40.92	108.78
23 21 16 00-0188	EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	5,642.77 47.89	127.54
23 21 16 00-0189	EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	8,538.32 80.38	213.82
23 21 16 00-0190	EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	18,884.34 99.01	263.09
23 21 16 00-0191	Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves <small>(23 21 16 00-0155)</small>		
23 21 16 00-0192	EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	228.09	10.40

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 16 00-0193	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	284.17	11.52
23 21 16 00-0194	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	381.28	12.24
23 21 16 00-0195	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	671.11	13.92
23 21 16 00-0196	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	916.18	16.64
23 21 16 00-0197	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,308.88	25.51
23 21 16 00-0198	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,417.81	27.79
23 21 16 00-0199	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,561.08	32.00
23 21 16 00-0200		Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0155)</small>		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	153.71	10.00
23 21 16 00-0202	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	168.81	11.20
23 21 16 00-0203	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	211.45	12.40
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	513.08	13.44
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	554.83	16.00
23 21 16 00-0206	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	872.40	24.55
23 21 16 00-0207		Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0208	EA	1/2" Dual Unit Reducing And Relief Valve	172.77	24.42
23 21 16 00-0209		Safety Relief Valve <small>(23 21 16)</small>		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210		Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0209)</small>		
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	59.69	10.00
23 21 16 00-0212	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	85.45	11.00
23 21 16 00-0213	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	125.82	13.40
23 21 16 00-0214	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	165.72	14.20
23 21 16 00-0215	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	228.73	19.00
23 21 16 00-0216	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	309.83	22.40
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	348.80	28.00
23 21 16 00-0218		Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>		
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	69.77	20.40
		<i>For Cast Iron Body, Add</i>	45.54	
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	90.76	24.48
		<i>For Cast Iron Body, Add</i>	63.44	
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	134.16	32.64
		<i>For Cast Iron Body, Add</i>	101.03	
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	228.92	34.97
		<i>For Cast Iron Body, Add</i>	214.71	
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	392.56	39.20
		<i>For Cast Iron Body, Add</i>	410.73	
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	449.95	56.40
		<i>For Cast Iron Body, Add</i>	447.25	
23 21 16 00-0225		Thermostatic Radiator Valves <small>(23 21 16)</small>		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	53.32	12.92
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	63.45	17.40
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	86.82	21.07
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	130.15	26.69
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	53.32	12.92
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	63.45	17.40
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	86.82	21.07
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	130.15	26.69
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	70.14	10.00
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	103.94	14.01
23 21 16 00-0236		Radiator Trap Repair Kits <small>(23 21 16)</small>		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	104.25	
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	130.30	
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	132.32	
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	150.36	
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	356.91	
23 21 16 00-0242		Horizontal Steel Expansion Tanks <small>(23 21 16)</small>		
		Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank.....	506.86	80.05
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank.....	720.25	100.07
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank.....	946.69	120.08
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,089.26	140.09
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank.....	1,266.62	146.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0248			Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) <small>(23 21 16)</small>		
			Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0249	EA		8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,684.90	60.04
23 21 16 00-0250	EA		11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,732.64	70.04
23 21 16 00-0251	EA		22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,496.94	80.05
23 21 16 00-0252	EA		34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,662.56	90.05
23 21 16 00-0253	EA		44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,396.80	100.07
23 21 16 00-0254	EA		56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,569.37	110.07
23 21 16 00-0255	EA		67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,363.70	120.08
23 21 16 00-0256	EA		77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,716.55	130.08
23 21 16 00-0257	EA		91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,219.64	140.09
23 21 16 00-0258	EA		111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,335.94	160.11
23 21 16 00-0259	EA		132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,577.90	180.12
23 21 16 00-0260	EA		158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,639.55	200.13
23 21 16 00-0261	EA		211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,792.10	240.16

23 21 16 00-0262			Diaphragm Type (Residential Style) Steel Expansion Tanks <small>(23 21 16)</small>		
23 21 16 00-0263	EA		2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	71.37	7.37
23 21 16 00-0264	EA		4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	102.59	7.37

23 21 16 00-0265			Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <small>(23 21 16)</small>		
23 21 16 00-0266	EA		15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	802.46	240.24
23 21 16 00-0267	EA		20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	835.22	240.24
23 21 16 00-0268	EA		30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	867.97	240.24
23 21 16 00-0269	EA		40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	953.12	240.24
23 21 16 00-0270	EA		47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,142.42	320.12
23 21 16 00-0271	EA		60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,338.52	320.29
23 21 16 00-0272	EA		80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,377.43	320.29
23 21 16 00-0273	EA		87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,416.33	320.29
23 21 16 00-0274	EA		120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,801.39	400.25
23 21 16 00-0275	EA		187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,099.93	400.25
23 21 16 00-0276	EA		264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,483.42	480.15

23 21 16 00-0277			ASME Construction Compression Tanks <small>(23 21 16)</small>		
			Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0278	EA		15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	812.02	140.89
			<i>For Galvanized Steel Tanks, Add</i>	299.28	
23 21 16 00-0279	EA		24 Gallon, 13" x 51" ASME Construction Compression Tank.....	827.52	144.90
			<i>For Galvanized Steel Tanks, Add</i>	303.69	
23 21 16 00-0280	EA		30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	905.13	149.70
			<i>For Galvanized Steel Tanks, Add</i>	338.90	
23 21 16 00-0281	EA		40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	993.14	155.30
			<i>For Galvanized Steel Tanks, Add</i>	378.50	
23 21 16 00-0282	EA		60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,163.59	164.11
			<i>For Galvanized Steel Tanks, Add</i>	457.72	
23 21 16 00-0283	EA		80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,208.88	170.51
			<i>For Galvanized Steel Tanks, Add</i>	475.32	
23 21 16 00-0284	EA		100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,504.40	185.72
			<i>For Galvanized Steel Tanks, Add</i>	611.76	
23 21 16 00-0285	EA		120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,640.02	199.33
			<i>For Galvanized Steel Tanks, Add</i>	668.97	
23 21 16 00-0286	EA		144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	2,047.51	224.95
			<i>For Galvanized Steel Tanks, Add</i>	853.43	
23 21 16 00-0287	EA		180 Gallon, 30" x 60" ASME Construction Compression Tank.....	2,608.66	257.77
			<i>For Galvanized Steel Tanks, Add</i>	1,109.09	
23 21 16 00-0288	EA		202 Gallon, 30" x 72" ASME Construction Compression Tank.....	3,131.70	285.78
			<i>For Galvanized Steel Tanks, Add</i>	1,349.50	
23 21 16 00-0289	EA		230 Gallon, 30" x 84" ASME Construction Compression Tank.....	3,425.14	310.60
			<i>For Galvanized Steel Tanks, Add</i>	1,477.13	
23 21 16 00-0290	EA		280 Gallon, 30" x 96" ASME Construction Compression Tank.....	4,342.13	341.02
			<i>For Galvanized Steel Tanks, Add</i>	1,912.84	
23 21 16 00-0291	EA		306 Gallon, 30" x 108" ASME Construction Compression Tank.....	4,476.12	364.24
			<i>For Galvanized Steel Tanks, Add</i>	1,962.02	
23 21 16 00-0292	EA		340 Gallon, 36" x 84" ASME Construction Compression Tank.....	5,791.21	391.45
			<i>For Galvanized Steel Tanks, Add</i>	2,599.12	
23 21 16 00-0293	EA		550 Gallon, 36" x 96" ASME Construction Compression Tank.....	9,702.34	459.49
			<i>For Galvanized Steel Tanks, Add</i>	4,503.12	

23 21 16 00-0294			Compression Tank Air Fittings <small>(23 21 16)</small>		
23 21 16 00-0295	EA		9" To 24" Diameter Compression Tank Air Fittings.....	134.06	22.41
23 21 16 00-0296	EA		>100 Gallon Compression Tank Air Fittings.....	421.07	26.42

23 21 16 00-0297			Vortex Air Separators With Strainer <small>(23 21 16)</small>		
			Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298	EA		2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,127.58	170.51
			<i>For 300 PSIG, Add</i>	130.40	
23 21 16 00-0299	EA		2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,397.31	195.33
			<i>For 300 PSIG, Add</i>	165.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)..... <i>For 300 PSIG, Add</i>	2,158.75 271.61	229.75
23 21	16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)..... <i>For 300 PSIG, Add</i>	2,308.19 290.90	243.47
23 21	16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)..... <i>For 300 PSIG, Add</i>	2,976.43 372.69	324.63
23 21	16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)..... <i>For 300 PSIG, Add</i>	3,776.04 476.08	397.78
23 21	16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)..... <i>For 300 PSIG, Add</i>	4,483.92 570.22	450.43
23 21	16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)..... <i>For 300 PSIG, Add</i>	6,467.12 847.22	540.37
23 21	16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)..... <i>For 300 PSIG, Add</i>	9,994.44 1,359.57	614.22
23 21	16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)..... <i>For 300 PSIG, Add</i>	13,487.69 1,842.50	794.83
23 21	16 00-0308		Vortex Air Separators <small>(23 21 16)</small> Note: Without system strainer.		
23 21	16 00-0309	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)..... <i>For 300 PSIG, Add</i>	957.83 104.94	170.51
23 21	16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)..... <i>For 300 PSIG, Add</i>	1,212.13 137.35	195.33
23 21	16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)..... <i>For 300 PSIG, Add</i>	2,112.46 264.66	229.75
23 21	16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)..... <i>For 300 PSIG, Add</i>	1,901.81 229.94	243.47
23 21	16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)..... <i>For 300 PSIG, Add</i>	2,549.48 308.64	324.63
23 21	16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)..... <i>For 300 PSIG, Add</i>	3,328.51 408.95	397.78
23 21	16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)..... <i>For 300 PSIG, Add</i>	3,876.92 479.17	450.43
23 21	16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)..... <i>For 300 PSIG, Add</i>	5,170.82 652.78	540.37
23 21	16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)..... <i>For 300 PSIG, Add</i>	7,221.80 943.67	614.22
23 21	16 00-0318	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)..... <i>For 300 PSIG, Add</i>	11,158.08 1,493.06	794.83
23 21	16 00-0319		Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small>		
23 21	16 00-0320	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G).....	2,028.66	194.77
23 21	16 00-0321	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G).....	2,877.81	259.54
23 21	16 00-0322	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G).....	3,655.59	317.93
23 21	16 00-0323	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G).....	4,347.37	360.35
23 21	16 00-0324	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G).....	6,293.04	432.42
23 21	16 00-0325	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G).....	10,209.52	491.38
23 21	16 00-0326	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G).....	15,564.65	635.94
23 21	16 00-0327		Grooved Vortex Air Separators <small>(23 21 16)</small> Note: Without system strainer.		
23 21	16 00-0328	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G).....	1,606.85	194.77
23 21	16 00-0329	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G).....	2,450.86	259.54
23 21	16 00-0330	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G).....	3,208.06	317.93
23 21	16 00-0331	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G).....	3,740.37	360.35
23 21	16 00-0332	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G).....	5,007.03	432.42
23 21	16 00-0333	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G).....	7,395.73	491.38
23 21	16 00-0334	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G).....	12,319.72	635.94
23 21	16 00-0335		Swivel Joints <small>(23 21 16)</small>		
23 21	16 00-0336		Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) <small>(23 21 16 00-0335)</small> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21	16 00-0337	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	301.48	21.05
23 21	16 00-0338	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	432.92	30.82
23 21	16 00-0339	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	610.62	36.03
23 21	16 00-0340	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	906.80	61.64
23 21	16 00-0341	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,140.64	85.13
23 21	16 00-0342	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,433.49	228.15
23 21	16 00-0343	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,706.57	288.19
23 21	16 00-0344		Basket Strainers <small>(23 21 16)</small>		
23 21	16 00-0345		Bronze Body Basket Strainers <small>(23 21 16 00-0344)</small>		
23 21	16 00-0346		Screwed Ends, Bronze Body Basket Strainers <small>(23 21 16 00-0345)</small>		
23 21	16 00-0347	EA	1/2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	240.61 9.53	16.01
23 21	16 00-0348	EA	3/4" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	284.39 11.20	18.82
23 21	16 00-0349	EA	1" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	329.77 13.34	22.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0350	EA		1-1/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	411.31 14.87	24.82
23 21 16 00-0351	EA		1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	485.96 16.79	28.01
23 21 16 00-0352	EA		2" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	726.14 19.23	32.03
23 21 16 00-0353	EA		2-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,027.73 25.76	42.83
23 21 16 00-0354	EA		3" Screwed Ends, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,449.26 27.32	45.63
23 21 16 00-0355 Flanged, Bronze Body Basket Strainers (23 21 16 00-0345)					
23 21 16 00-0356	EA		2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,136.71 40.03	106.71
23 21 16 00-0357	EA		2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,715.31 43.66	116.08
23 21 16 00-0358	EA		3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,944.84 51.10	136.09
23 21 16 00-0359	EA		4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,288.93 85.77	228.15
23 21 16 00-0360	EA		6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,268.04 99.07	263.24
23 21 16 00-0361	EA		8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,440.34 125.35	336.36
23 21 16 00-0362 Iron Body Basket Strainers (23 21 16 00-0344)					
23 21 16 00-0363 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0362)					
23 21 16 00-0364	EA		1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	340.95 9.53	16.01
23 21 16 00-0365	EA		3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	383.39 11.20	18.82
23 21 16 00-0366	EA		1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	452.95 13.34	22.41
23 21 16 00-0367	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	597.05 14.87	24.82
23 21 16 00-0368	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	654.51 16.79	28.01
23 21 16 00-0369	EA		2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	778.94 19.23	32.03
23 21 16 00-0370	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,107.05 25.76	42.83
23 21 16 00-0371	EA		3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,254.08 27.32	45.63
23 21 16 00-0372 Flanged, Iron Body Basket Strainers (23 21 16 00-0362)					
23 21 16 00-0373	EA		2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	706.78 40.03	106.71
23 21 16 00-0374	EA		2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	918.33 43.66	116.08
23 21 16 00-0375	EA		3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	992.97 51.10	136.09
23 21 16 00-0376	EA		4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,524.03 85.77	228.15
23 21 16 00-0377	EA		6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,740.00 99.07	263.24
23 21 16 00-0378	EA		8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,863.48 125.35	336.36
23 21 16 00-0379	EA		10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,201.08 153.56	409.48
23 21 16 00-0380	EA		12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,968.04 309.71	516.24
23 21 16 00-0381	EA		14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,744.28 219.36	584.98
23 21 16 00-0382	EA		16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,274.43 241.30	643.47
23 21 16 00-0383 Cast Steel Body Basket Strainers (23 21 16 00-0344)					
23 21 16 00-0384 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0383)					
23 21 16 00-0385	EA		1" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	510.47 13.34	22.41
23 21 16 00-0386	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	671.57 14.88	24.82
23 21 16 00-0387	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	756.94 16.79	28.01
23 21 16 00-0388	EA		2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,061.25 19.23	32.03
23 21 16 00-0389	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,487.79 25.76	42.83
23 21 16 00-0390	EA		3" Screwed Ends, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,927.42 27.33	45.63

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 16 00-0391	Flanged, Cast Steel Body Basket Strainers <small>(23 21 16 00-0383)</small>		
23 21 16 00-0392	EA 2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,584.71 40.03	106.71
23 21 16 00-0393	EA 2-1/2" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,268.18 43.66	116.08
23 21 16 00-0394	EA 3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,490.42 51.10	136.09
23 21 16 00-0395	EA 4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,543.91 85.77	228.15
23 21 16 00-0396	EA 6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,204.51 99.07	263.24
23 21 16 00-0397	EA 8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,043.77 125.35	336.36
23 21 16 00-0398	Stainless Steel Body Basket Strainers <small>(23 21 16 00-0344)</small>		
23 21 16 00-0399	Screwed Ends, Stainless Steel Body Basket Strainers <small>(23 21 16 00-0398)</small>		
23 21 16 00-0400	EA 1" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	391.03 13.34	22.41
23 21 16 00-0401	EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	562.55 14.88	24.82
23 21 16 00-0402	EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	580.94 16.79	28.01
23 21 16 00-0403	EA 2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	858.42 19.23	32.03
23 21 16 00-0404	EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,213.01 25.76	42.83
23 21 16 00-0405	EA 3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,712.33 27.33	45.63
23 21 16 00-0406	Flanged, Stainless Steel Body Basket Strainers <small>(23 21 16 00-0398)</small>		
23 21 16 00-0407	EA 2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,315.46 40.03	106.71
23 21 16 00-0408	EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,986.37 43.66	116.08
23 21 16 00-0409	EA 3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,249.62 51.10	136.09
23 21 16 00-0410	EA 4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,802.87 85.77	228.15
23 21 16 00-0411	EA 6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	5,820.12 99.07	263.24
23 21 16 00-0412	EA 8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	10,093.80 125.35	336.36
23 21 16 00-0413	Air Vents <small>(23 21 16)</small>		
23 21 16 00-0414	Screwed Ends, Cast Iron, Automatic Air Vents <small>(23 21 16 00-0413)</small>		
	Note: With guided free floating lever.		
23 21 16 00-0415	EA 1/2" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	254.73 31.07	23.21
23 21 16 00-0416	EA 3/4" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	311.07 724.41	30.82
23 21 16 00-0417	EA 1" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	724.41 1,073.42	32.03
23 21 16 00-0418	EA 1-1/4" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	1,073.42 1,801.48	49.47
23 21 16 00-0419	EA 1-1/2" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	1,801.48 2,064.90	53.24
23 21 16 00-0420	EA 2" NPT, Cast Iron, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	2,064.90 70.21	70.21
23 21 16 00-0421	Forged Steel, Stainless Steel Internals, Automatic Air Vents <small>(23 21 16 00-0413)</small>		
	Note: With guided free floating lever.		
23 21 16 00-0422	EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	1,553.92 1,948.17	26.82
23 21 16 00-0423	EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	1,948.17 2,325.76	30.82
23 21 16 00-0424	EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	2,325.76 3,816.80	32.03
23 21 16 00-0425	EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	3,816.80 4,409.21	49.63
23 21 16 00-0426	EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	4,409.21 6,484.14	53.24
23 21 16 00-0427	EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent <i>For Work In Restricted Working Space, Add</i>	6,484.14 65.79	70.04
23 21 16 00-0428	Manual Air Vent <small>(23 21 16 00-0413)</small>		
23 21 16 00-0429	EA Manual Air Vent <i>For Work In Restricted Working Space, Add</i>	65.79 28.90	28.90
23 21 23	Hydronic Pumps <small>(23 21)</small>		
23 21 23 13	In-Line Centrifugal Hydronic Pumps <small>(23 21 23)</small>		
23 21 23 13-0001	Cast Iron Single Stage In-Line Centrifugal Pump <small>(23 21 23 13)</small>		
	Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA 50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	4,541.55 312.00 702.00	213.96
23 21 23 13-0003	EA 75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	4,957.50 334.47 752.56	258.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0004	EA		100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	5,729.71 384.60 865.35	307.66
23 21 23 13-0005	EA		125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	6,166.76 394.97 888.68	410.21
23 21 23 13-0006	EA		150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	7,353.93 481.00 1,082.25	447.10
23 21 23 13-0007	EA		200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	11,004.10 762.28 1,715.13	492.10
23 21 23 13-0008	EA		250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	12,928.52 886.72 1,995.13	614.58
23 21 23 13-0009	EA		300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	10,858.65 700.06 1,575.12	702.37
23 21 23 13-0010	EA		400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	22,963.69 1,655.10 3,723.98	758.27
23 21 23 13-0011	EA		600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	25,078.68 1,772.31 3,987.69	974.71
23 21 23 13-0012	EA		Centrifugal, Cast Iron Circulating Pump 1/2 HP.....	838.38	149.03
23 21 23 13-0013	EA		Centrifugal, Cast Iron Circulating Pump 3/4 HP.....	903.77	158.62

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)
 See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA		5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	3,527.25	233.88
23 21 23 16-0003	EA		7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	3,946.15	234.17
23 21 23 16-0004	EA		10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	5,192.20	307.66
23 21 23 16-0005	EA		15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	5,715.27	378.48
23 21 23 16-0006	EA		15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	6,369.59	378.48
23 21 23 16-0007	EA		20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	6,221.56	410.21
23 21 23 16-0008	EA		20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	6,593.57	410.21
23 21 23 16-0009	EA		25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	7,200.59	430.13
23 21 23 16-0010	EA		30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	8,048.89	546.70
23 21 23 16-0011	EA		40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	8,540.56	614.58
23 21 23 16-0012	EA		60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	13,773.30	1,543.80
23 21 23 16-0013	EA		75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	19,644.27	1,852.23
23 21 23 16-0014	EA		100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	22,458.95	2,315.30

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA		40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP <i>For 300 LB Flanges, Add</i>	1,932.34 405.59	171.90
23 21 23 16-0017	EA		50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	2,338.00 515.33	184.45
23 21 23 16-0018	EA		90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	2,910.84 645.73	196.99
23 21 23 16-0019	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	3,436.17 753.64	233.88
23 21 23 16-0020	EA		150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	3,610.92 792.06	234.17
23 21 23 16-0021	EA		200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	3,942.19 847.21	307.66
23 21 23 16-0022	EA		225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	3,942.19 847.21	307.66
23 21 23 16-0023	EA		250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	3,942.19 847.21	307.66
23 21 23 16-0024	EA		300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	4,805.58 1,031.14	378.48
23 21 23 16-0025	EA		350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	4,897.76 1,047.32	378.19
23 21 23 16-0026	EA		500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	5,153.31 1,103.88	410.21
23 21 23 16-0027	EA		600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	5,641.41 1,211.17	430.13
23 21 23 16-0028	EA		750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP <i>For 300 LB Flanges, Add</i>	6,342.87 1,339.79	546.70
23 21 23 16-0029	EA		1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	7,185.72 1,519.76	614.58
23 21 23 16-0030	EA		1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	11,598.67 2,155.47	1,543.80
23 21 23 16-0031	EA		2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	13,831.32 2,564.79	1,852.23
23 21 23 16-0032	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	16,595.55 3,032.59	2,315.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COSTMINOR
CSI UOM DESCRIPTION

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0033			Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA		40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP.....	2,880.98	171.90
			<i>For 300 LB Flanges, Add</i>	642.75	
23 21 23 16-0035	EA		50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP.....	2,965.81	184.45
			<i>For 300 LB Flanges, Add</i>	658.44	
23 21 23 16-0036	EA		90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP.....	3,050.75	196.99
			<i>For 300 LB Flanges, Add</i>	674.15	
23 21 23 16-0037	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP.....	3,300.69	201.42
			<i>For 300 LB Flanges, Add</i>	734.46	
23 21 23 16-0038	EA		100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP.....	5,281.96	233.88
			<i>For 300 LB Flanges, Add</i>	1,215.09	
23 21 23 16-0039	EA		250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP.....	6,999.37	307.66
			<i>For 300 LB Flanges, Add</i>	1,630.23	
23 21 23 16-0040	EA		350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP.....	7,182.37	332.00
			<i>For 300 LB Flanges, Add</i>	1,657.26	
23 21 23 16-0041	EA		500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP.....	7,653.40	368.89
			<i>For 300 LB Flanges, Add</i>	1,743.09	
23 21 23 16-0042	EA		750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP.....	8,498.76	379.50
			<i>For 300 LB Flanges, Add</i>	1,954.07	
23 21 23 16-0043	EA		1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP.....	9,593.28	487.72
			<i>For 300 LB Flanges, Add</i>	2,178.96	
23 21 23 16-0044	EA		1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP.....	12,256.94	617.68
			<i>For 300 LB Flanges, Add</i>	2,766.56	
23 21 23 16-0045	EA		2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP.....	13,909.93	771.49
			<i>For 300 LB Flanges, Add</i>	3,105.38	
23 21 23 16-0046	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP.....	19,595.43	926.12
			<i>For 300 LB Flanges, Add</i>	4,452.34	
23 21 23 16-0047	EA		3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP.....	36,362.56	1,028.65
			<i>For 300 LB Flanges, Add</i>	8,594.51	
23 21 23 16-0048	EA		4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP.....	38,940.33	1,323.02
			<i>For 300 LB Flanges, Add</i>	9,097.20	
23 21 23 16-0049			Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA		100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP.....	10,012.66	378.48
			<i>For 300 LB Flanges, Add</i>	2,332.91	
23 21 23 16-0051	EA		200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP.....	10,846.42	410.21
			<i>For 300 LB Flanges, Add</i>	2,527.16	
23 21 23 16-0052	EA		300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP.....	13,168.14	563.84
			<i>For 300 LB Flanges, Add</i>	3,033.86	
23 21 23 16-0053	EA		400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP.....	25,546.61	774.75
			<i>For 300 LB Flanges, Add</i>	6,031.66	
23 21 23 16-0054	EA		800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP.....	31,388.15	1,033.00
			<i>For 300 LB Flanges, Add</i>	7,373.72	
23 21 23 16-0055			Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056			Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	3,165.12	221.34
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	3,432.73	221.34
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	3,809.27	233.64
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	4,046.00	233.64
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	4,635.75	245.68
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	5,523.64	304.68
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	7,234.01	375.34
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	7,747.18	406.23
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	8,950.38	438.73
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body.....	810.72	114.24
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body.....	864.55	121.12
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,002.50	128.96
23 21 23 23			Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small> See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)					
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.					
23 21 23 23-0002	EA		50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP.....	5,546.74	546.70
			For Each Extra Column Assembly <60", Add	476.53	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	189.08	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	133.61	
23 21 23 23-0003	EA		100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP.....	5,783.23	614.58
			For Each Extra Column Assembly <60", Add	495.71	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	198.27	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	140.44	
23 21 23 23-0004	EA		250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP.....	7,126.82	617.68
			For Each Extra Column Assembly <60", Add	614.44	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	240.78	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	169.51	
23 21 23 23-0005	EA		500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP.....	7,648.31	712.78
			For Each Extra Column Assembly <60", Add	657.66	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	260.14	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	183.65	
23 21 23 23-0006	EA		1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP.....	9,234.57	771.49
			For Each Extra Column Assembly <60", Add	788.38	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	319.77	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	227.42	
23 21 23 23-0007	EA		2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP.....	14,239.50	926.12
			For Each Extra Column Assembly <60", Add	1,198.70	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	510.04	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	367.65	
23 21 23 23-0008	EA		3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP.....	17,112.10	1,157.65
			For Each Extra Column Assembly <60", Add	1,443.39	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	610.06	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	438.94	
23 21 23 23-0009	EA		4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP.....	26,662.54	1,323.02
			For Each Extra Column Assembly <60", Add	2,218.05	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	981.45	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	714.82	
23 21 23 23-0010	EA		6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP.....	34,693.12	1,543.80
			For Each Extra Column Assembly <60", Add	2,874.68	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,288.50	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	941.57	
23 21 23 23-0011	EA		10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP.....	48,135.82	1,852.23
			For Each Extra Column Assembly <60", Add	3,969.94	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,806.36	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,325.00	

23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)					
23 21 29 00-0002	EA		1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	190.27	23.98
23 21 29 00-0003	EA		1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	208.07	23.98
23 21 29 00-0004	EA		1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	332.59	27.66
23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)					
23 21 29 00-0006	EA		1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	99.91	18.45
23 21 29 00-0007	EA		1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	107.52	18.45
23 21 29 00-0008	EA		1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	184.45	23.98
23 21 29 00-0009	EA		1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	197.64	27.66
23 21 29 00-0010	EA		1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS).....	381.39	31.36
			Condensate Pump.....		

23 22 Steam and Condensate Piping and Pumps (23 20)

23 22 16 Steam and Condensate Heating Piping Specialties (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)					
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)					
Note: Up to 150 PSI.					
23 22 16 00-0003	EA		1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,270.21	11.52
23 22 16 00-0004	EA		3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,333.57	15.52
23 22 16 00-0005	EA		1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,771.04	19.12
23 22 16 00-0006	EA		1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,953.01	24.16
23 22 16 00-0007	EA		1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,001.27	27.76
23 22 16 00-0008	EA		2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,367.08	30.23
23 22 16 00-0009	EA		2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,998.39	55.37
23 22 16 00-0010	EA		3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,157.91	60.38
23 22 16 00-0011	EA		4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,191.09	141.33
23 22 16 00-0012	EA		6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,270.19	165.87

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0014	EA		1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,887.93	11.52
23 22 16 00-0015	EA		3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,952.24	15.52

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 22 Steam and Condensate Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0016	EA		1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,036.70	19.12
23 22 16 00-0017	EA		1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,437.02	24.16
23 22 16 00-0018	EA		1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,609.02	27.76
23 22 16 00-0019	EA		2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,963.89	30.23
23 22 16 00-0020	EA		2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,534.14	55.37
23 22 16 00-0021	EA		3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,974.51	60.38
23 22 16 00-0022	EA		4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,148.41	141.33
23 22 16 00-0023	EA		6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,667.01	165.87
23 22 16 00-0024			Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0025	EA		1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,576.67	11.52
23 22 16 00-0026	EA		3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,610.92	15.52
23 22 16 00-0027	EA		1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,855.52	19.12
23 22 16 00-0028	EA		1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,106.64	24.16
23 22 16 00-0029	EA		1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,216.77	27.76
23 22 16 00-0030	EA		2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,629.89	30.23
23 22 16 00-0031	EA		2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,717.66	55.37
23 22 16 00-0032	EA		3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,198.34	60.38
23 22 16 00-0033	EA		4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,346.67	141.33
23 22 16 00-0034	EA		6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,481.47	165.87
23 22 16 00-0035			Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036	EA		1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,304.51	11.52
23 22 16 00-0037	EA		3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,335.13	15.52
23 22 16 00-0038	EA		1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,619.75	19.12
23 22 16 00-0039	EA		1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,768.95	24.16
23 22 16 00-0040	EA		1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,911.85	27.76
23 22 16 00-0041	EA		2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,259.47	30.23
23 22 16 00-0042	EA		2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,081.58	55.37
23 22 16 00-0043	EA		3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,411.56	60.38
23 22 16 00-0044	EA		4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,559.89	141.33
23 22 16 00-0045	EA		6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,694.68	165.87
23 22 16 00-0046			High Temperature Safety Relief Valve (23 22 16)		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.					
23 22 16 00-0047			Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.					
23 22 16 00-0048			Threaded (23 22 16 00-0047)		
23 22 16 00-0049	EA		3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	457.99	12.00
23 22 16 00-0050	EA		1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	476.79	14.20
23 22 16 00-0051	EA		1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	522.36	18.00
23 22 16 00-0052	EA		1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	647.66	20.00
23 22 16 00-0053	EA		2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	830.72	24.60
23 22 16 00-0054	EA		2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,304.59	28.00
23 22 16 00-0055	EA		3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,411.23	32.20
23 22 16 00-0056			Flanged (23 22 16 00-0047)		
23 22 16 00-0057	EA		1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,315.19	84.00
23 22 16 00-0058	EA		2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,845.78	126.27
23 22 16 00-0059	EA		2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,260.27	116.35
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,161.51	168.06
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,535.15	125.33
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	6,493.28	168.06
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	10,887.21	238.48
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	21,757.42	266.34
23 22 16 00-0065			Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.					
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	501.57	11.00
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	512.61	12.00
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	601.34	13.20
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	664.64	14.20
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	769.68	16.00
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	770.48	18.00
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	868.58	19.00
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	947.69	20.00
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,324.47	22.40
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,447.30	24.60
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	1,729.08	28.00
23 22 16 00-0077			Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.					
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water.....	226.62	11.00
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	259.12	12.00

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	364.49	13.20
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	401.87	14.20
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	588.67	16.00
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	798.30	19.00
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	1,173.10	22.40

23 22 16 00-0085 Steam Traps (23 22 16)

23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)

23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	244.69	24.01
		<i>For Work In Restricted Working Space, Add</i>	<i>14.41</i>	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	246.69	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	369.95	26.66
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	600.40	36.38
		<i>For Work In Restricted Working Space, Add</i>	<i>21.83</i>	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	896.70	44.83
		<i>For Work In Restricted Working Space, Add</i>	<i>26.68</i>	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,141.31	66.71
		<i>For Work In Restricted Working Space, Add</i>	<i>40.03</i>	

23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)

23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	258.76	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	342.76	26.68
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	422.92	36.39
		<i>For Work In Restricted Working Space, Add</i>	<i>21.83</i>	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	573.39	44.47
		<i>For Work In Restricted Working Space, Add</i>	<i>26.68</i>	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,052.76	66.68
		<i>For Work In Restricted Working Space, Add</i>	<i>40.03</i>	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	331.43	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	360.35	26.66
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	470.88	36.38
		<i>For Work In Restricted Working Space, Add</i>	<i>21.83</i>	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	678.91	44.43
		<i>For Work In Restricted Working Space, Add</i>	<i>26.68</i>	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,159.89	66.71
		<i>For Work In Restricted Working Space, Add</i>	<i>40.03</i>	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	432.16	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	481.86	26.68
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	734.70	36.38
		<i>For Work In Restricted Working Space, Add</i>	<i>21.83</i>	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	750.87	44.43
		<i>For Work In Restricted Working Space, Add</i>	<i>26.68</i>	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,462.06	66.71
		<i>For Work In Restricted Working Space, Add</i>	<i>40.03</i>	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	438.55	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	481.86	26.68
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	734.70	36.38
		<i>For Work In Restricted Working Space, Add</i>	<i>21.83</i>	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	750.87	44.43
		<i>For Work In Restricted Working Space, Add</i>	<i>26.68</i>	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,462.06	66.71
		<i>For Work In Restricted Working Space, Add</i>	<i>40.03</i>	

23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	122.21	24.01
		<i>For Work In Restricted Working Space, Add</i>	<i>14.41</i>	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	208.30	25.01
		<i>For Work In Restricted Working Space, Add</i>	<i>15.01</i>	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	258.38	26.66
		<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	

23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	277.86	21.62
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	396.59	24.01
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	492.91	25.01
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	662.53	26.66

23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)

23 22 16 00-0124	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	765.94	60.84
23 22 16 00-0125	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,221.64	69.65
23 22 16 00-0126	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,488.10	106.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 22 Steam and Condensate Piping and Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0127	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,253.40	116.08
23 22 16 00-0128	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,566.73	136.09
23 22 16 00-0129	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,552.42	228.15
23 22 16 00-0130	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	6,991.10	288.19
23 22 16 00-0131			Steam/Condensate Meter <small>(23 22 16)</small>		
			Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0132	EA		1" Steam/Condensate Meter.....	4,957.70	66.35
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0133	EA		2" Steam/Condensate Meter.....	5,592.59	77.96
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0134	EA		2-1/2" Steam/Condensate Meter.....	5,927.36	96.75
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135	EA		3" Steam/Condensate Meter.....	6,277.61	127.17
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136	EA		4" Steam/Condensate Meter.....	7,059.47	197.57
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137	EA		6" Steam/Condensate Meter.....	12,119.17	249.92
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138	EA		8" Steam/Condensate Meter.....	12,533.81	315.52
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139	EA		10" Steam/Condensate Meter.....	13,093.45	387.03
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140	EA		12" Steam/Condensate Meter.....	13,703.00	469.97
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141	EA		14" Steam/Condensate Meter.....	14,570.63	552.90
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142	EA		16" Steam/Condensate Meter.....	15,074.51	608.19
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 22 23 Steam Condensate Pumps (23 22)

23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)

23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)
 Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003	EA		3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,512.68	375.53
23 22 23 13-0004	EA		9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,401.37	385.87
23 22 23 13-0005	EA		15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,542.75	411.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,968.29	416.11
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,456.30	453.00
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,932.38	453.00
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,003.94	483.99
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,695.06	506.12
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,753.83	528.26
23 22 23 13-0012 30 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,937.24	401.35
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,026.56	411.68
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,161.54	438.98
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,871.04	474.39
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,003.94	484.72
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,191.03	501.69
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,388.94	528.26
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	8,661.92	562.19
23 22 23 13-0021 40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,251.95	460.37
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,311.76	497.26
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,156.47	491.37
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,151.70	501.69
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,283.23	523.09
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	8,753.83	528.26
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	8,829.09	562.19
23 22 23 13-0029 50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,784.17	498.74
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,650.05	509.07
23 22 23 13-0032 EA 22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,470.91	512.76
23 22 23 13-0033 EA 30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,356.50	557.77
23 22 23 13-0034 EA 60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	12,101.69	601.30
23 22 23 13-0035 Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small> Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036 20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037 EA 9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,352.84	503.91
23 22 23 13-0038 EA 15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,578.79	553.34
23 22 23 13-0039 EA 22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,086.93	557.77
23 22 23 13-0040 EA 30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,711.64	607.93
23 22 23 13-0041 EA 37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,384.39	607.93
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	8,481.51	655.16
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	10,209.27	683.93
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	10,432.02	717.86
23 22 23 13-0045 30 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,835.75	543.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0047	EA		15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,065.88	593.18
23 22 23 13-0048	EA		22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,734.09	578.43
23 22 23 13-0049	EA		30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,481.51	655.16
23 22 23 13-0050	EA		45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,713.11	679.50
23 22 23 13-0051	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	10,038.68	717.86
23 22 23 13-0052	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	10,509.49	769.51
23 22 23 13-0053			40 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054	EA		9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,241.69	640.40
23 22 23 13-0055	EA		22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,961.75	669.17
23 22 23 13-0056	EA		30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,736.71	679.50
23 22 23 13-0057	EA		45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,961.43	713.44
23 22 23 13-0058	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	10,433.99	717.86
23 22 23 13-0059	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	10,556.69	769.51
23 22 23 13-0060			50 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061	EA		9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,568.16	640.40
23 22 23 13-0062	EA		22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,068.47	703.85
23 22 23 13-0063	EA		30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	9,086.09	764.35
23 22 23 13-0064	EA		60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	16,684.97	827.79
23 23 Refrigerant Piping <small>(23 20)</small>					
23 23 13 Refrigerant Piping Valves <small>(23 23)</small>					
23 23 13 00-0001			Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002			Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003	EA		3/8" Refrigeration Ball Valve, Sweated	33.43	8.00
23 23 13 00-0004	EA		1/2" Refrigeration Ball Valve, Sweated	34.72	8.00
23 23 13 00-0005	EA		5/8" Refrigeration Ball Valve, Sweated	47.74	8.00
23 23 13 00-0006	EA		7/8" Refrigeration Ball Valve, Sweated	63.89	8.80
23 23 13 00-0007	EA		1-1/8" Refrigeration Ball Valve, Sweated	90.38	10.00
23 23 13 00-0008	EA		1-5/8" Refrigeration Ball Valve, Sweated	148.14	12.32
23 23 13 00-0009			Shut-Off Valves <small>(23 23 13)</small>		
23 23 13 00-0010			Packless <small>(23 23 13 00-0009)</small>		
23 23 13 00-0011	EA		1/2" Refrigeration Valve, Packless	46.67	8.33
23 23 13 00-0012	EA		5/8" Refrigeration Valve, Packless	58.71	9.13
23 23 13 00-0013	EA		7/8" Refrigeration Valve, Packless	121.99	12.49
23 23 13 00-0014			Packed <small>(23 23 13 00-0009)</small>		
23 23 13 00-0015	EA		1-1/8" Refrigeration Valve, Packed	217.82	18.17
23 23 13 00-0016	EA		1 3/8" Refrigeration Valve, Packed	291.75	22.25
23 23 13 00-0017	EA		1-5/8" Refrigeration Valve, Packed	355.94	25.05
23 23 13 00-0018	EA		2-1/8" Refrigeration Valve, Packed	510.47	28.58
23 23 13 00-0019	EA		2-5/8" Refrigeration Valve, Packed	838.38	80.05
23 23 13 00-0020	EA		3-1/8" Refrigeration Valve, Packed	1,101.45	100.07
23 23 13 00-0021	EA		4-1/8" Refrigeration Valve, Packed	1,568.62	133.45
23 23 13 00-0022			Check Valves <small>(23 23 13)</small>		
23 23 13 00-0023	EA		5/8" Check Valve, Refrigeration	58.38	8.00
23 23 13 00-0024	EA		7/8" Check Valve, Refrigeration	190.44	8.80
23 23 13 00-0025	EA		1-1/8" Check Valve, Refrigeration	220.64	10.00
23 23 13 00-0026	EA		1 3/8" Check Valve, Refrigeration	297.59	10.65
23 23 13 00-0027	EA		1-5/8" Check Valve, Refrigeration	392.93	12.33
23 23 13 00-0028	EA		2-1/8" Check Valve, Refrigeration	585.07	14.57
23 23 13 00-0029	EA		2-5/8" Check Valve, Refrigeration	818.61	21.37
23 23 13 00-0030	EA		3-1/8" Check Valve, Refrigeration	1,085.28	28.01
23 23 13 00-0031			Solenoid Valves <small>(23 23 13)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 13 00-0032			Solenoid Valve, 24 Volt Coil <small>(23 23 13 00-0031)</small>		
23 23 13 00-0033	EA		1/2" Solenoid Valve, Refrigeration.....	198.74	8.00
23 23 13 00-0034	EA		5/8" Solenoid Valve, Refrigeration.....	203.77	8.00
23 23 13 00-0035	EA		3/4" Solenoid Valve, Refrigeration.....	250.78	8.80
23 23 13 00-0036	EA		7/8" Solenoid Valve, Refrigeration.....	250.78	8.80
23 23 13 00-0037	EA		1-1/8" Solenoid Valve, Refrigeration.....	353.75	10.00
23 23 13 00-0038	EA		1 3/8" Solenoid Valve, Refrigeration.....	573.56	10.65
23 23 13 00-0039	EA		1-5/8" Solenoid Valve, Refrigeration.....	1,070.54	12.33
23 23 13 00-0040	EA		2-1/8" Solenoid Valve, Refrigeration.....	1,081.73	14.57

23 23 16 Refrigerant Piping Specialties (23 23)

23 23 16 00-0001			Soft Refrigeration Copper Tubing <small>(23 23 16)</small>		
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).					
23 23 16 00-0002	LF		1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	3.47	1.91
23 23 16 00-0003	LF		3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	3.65	1.95
23 23 16 00-0004	LF		1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	3.84	2.01
23 23 16 00-0005	LF		5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	4.16	2.04
23 23 16 00-0006	LF		3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	4.30	2.07
23 23 16 00-0007	LF		1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	4.89	2.17
23 23 16 00-0008	LF		5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.48	2.20
23 23 16 00-0009	LF		3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	6.04	2.28
23 23 16 00-0010	LF		7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.92	2.68
23 23 16 00-0011	LF		1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	10.20	3.06
23 23 16 00-0012	LF		1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	15.09	3.63
23 23 16 00-0013	LF		1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	18.33	4.06

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).					
23 23 16 00-0015	LF		3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	4.77	2.24
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.41</i>
23 23 16 00-0016	LF		1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.48	2.24
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.45</i>
23 23 16 00-0017	LF		5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.93	2.24
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.47</i>
23 23 16 00-0018	LF		3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	8.55	3.37
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.68</i>
23 23 16 00-0019	LF		7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	9.36	3.60
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.74</i>
23 23 16 00-0020	LF		1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	11.13	3.60
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>0.83</i>
23 23 16 00-0021	LF		1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	13.98	4.16
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>1.01</i>
23 23 16 00-0022	LF		1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	17.05	4.80
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>1.21</i>
23 23 16 00-0023	LF		2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	24.45	6.00
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>1.67</i>
23 23 16 00-0024	LF		2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	36.65	9.04
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>2.51</i>
23 23 16 00-0025	LF		3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	47.64	11.21
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>3.22</i>
23 23 16 00-0026	LF		3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	60.28	13.28
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>4.01</i>
23 23 16 00-0027	LF		4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	74.70	16.01
				<i>For Medical Applications "Oxygen Clean", Add</i>	<i>4.94</i>

23 23 16 00-0028 Refrigeration Fittings (23 23 16)

23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)

23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)

23 23 16 00-0031	EA		3/8" Brass Flare Union.....	19.34	8.65
23 23 16 00-0032	EA		1/2" Brass Flare Union.....	19.34	8.65
23 23 16 00-0033	EA		5/8" Brass Flare Union.....	21.00	8.65

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)

23 23 16 00-0035	EA		3/8" 90 Degree Brass Flare Elbow Union.....	20.35	8.65
23 23 16 00-0036	EA		1/2" 90 Degree Brass Flare Elbow Union.....	20.35	8.65
23 23 16 00-0037	EA		5/8" 90 Degree Brass Flare Elbow Union.....	25.89	8.65

23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)

23 23 16 00-0039	EA		3/8" Brass Flare Tee.....	31.06	14.40
23 23 16 00-0040	EA		1/2" Brass Flare Tee.....	33.53	14.40
23 23 16 00-0041	EA		5/8" Brass Flare Tee.....	46.99	14.40

23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)

23 23 16 00-0043	EA		3/8" Brass Flare Male Connector, Half Union.....	14.80	8.65
23 23 16 00-0044	EA		1/2" Brass Flare Male Connector, Half Union.....	16.45	8.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0045	EA		5/8" Brass Flare Male Connector, Half Union	18.81	8.65
23 23 16 00-0046			Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047	EA		3/8" Brass Flare Female Connector, Half Union	16.92	8.65
23 23 16 00-0048	EA		1/2" Brass Flare Female Connector, Half Union	19.17	8.65
23 23 16 00-0049	EA		5/8" Brass Flare Female Connector, Half Union	19.17	8.65
23 23 16 00-0050			Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051	EA		3/8" Brass Long Forged Nut	15.80	8.65
23 23 16 00-0052	EA		1/2" Brass Long Forged Nut	16.45	8.65
23 23 16 00-0053	EA		5/8" Brass Long Forged Nut	23.64	8.65
23 23 16 00-0054			Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055	EA		3/8" Brass Short Forged Nut	14.86	8.65
23 23 16 00-0056	EA		1/2" Brass Short Forged Nut	16.36	8.65
23 23 16 00-0057	EA		5/8" Brass Short Forged Nut	16.67	8.65
23 23 16 00-0058			ACR Wrought Copper Fittings (23 23 16 00-0028)		
			Note: Soldered.		
23 23 16 00-0059			ACR Wrought Copper Coupling (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0060	EA		1/4" ACR Wrought Copper Coupling	14.41	8.65
23 23 16 00-0061	EA		3/8" ACR Wrought Copper Coupling	14.15	8.65
23 23 16 00-0062	EA		1/2" ACR Wrought Copper Coupling	14.54	8.65
23 23 16 00-0063	EA		5/8" ACR Wrought Copper Coupling	14.93	9.04
23 23 16 00-0064	EA		3/4" ACR Wrought Copper Coupling	21.48	11.92
23 23 16 00-0065	EA		7/8" ACR Wrought Copper Coupling	21.05	12.25
23 23 16 00-0066	EA		1-1/8" ACR Wrought Copper Coupling	28.17	15.21
23 23 16 00-0067	EA		1-3/8" ACR Wrought Copper Coupling	40.69	20.82
23 23 16 00-0068	EA		1-5/8" ACR Wrought Copper Coupling	49.17	24.42
23 23 16 00-0069	EA		2-1/8" ACR Wrought Copper Coupling	65.30	29.62
23 23 16 00-0070	EA		2-5/8" ACR Wrought Copper Coupling	114.56	44.99
23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling	152.92	59.16
23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling	251.36	70.29
23 23 16 00-0073			ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0074	EA		1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	17.96	8.65
23 23 16 00-0075	EA		3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	18.23	8.65
23 23 16 00-0076	EA		1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	17.96	8.65
23 23 16 00-0077	EA		5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	19.55	9.04
23 23 16 00-0078	EA		3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	28.73	11.92
23 23 16 00-0079	EA		7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	29.09	12.25
23 23 16 00-0080	EA		1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	37.15	15.21
23 23 16 00-0081	EA		1-3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	45.87	20.82
23 23 16 00-0082	EA		1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	59.50	24.42
23 23 16 00-0083	EA		2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	86.00	29.62
23 23 16 00-0084	EA		2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	150.76	44.99
23 23 16 00-0085	EA		3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	193.43	59.16
23 23 16 00-0086	EA		4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	373.37	70.29
23 23 16 00-0087			ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0088	EA		1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	22.41	8.65
23 23 16 00-0089	EA		3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	20.06	8.65
23 23 16 00-0090	EA		1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	21.92	8.65
23 23 16 00-0091	EA		5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	21.69	9.04
23 23 16 00-0092	EA		3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	26.12	11.92
23 23 16 00-0093	EA		7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	28.81	12.25
23 23 16 00-0094	EA		1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	39.61	15.21
23 23 16 00-0095	EA		1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	58.53	20.82
23 23 16 00-0096	EA		1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	73.32	24.42
23 23 16 00-0097	EA		2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	140.85	29.62
23 23 16 00-0098	EA		2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	220.19	44.99
23 23 16 00-0099	EA		3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	290.98	59.16
23 23 16 00-0100	EA		4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	647.20	70.29
23 23 16 00-0101			ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
			Note: C x C		
23 23 16 00-0102	EA		1/4" ACR Wrought Copper 45 Degree Elbow	25.63	8.65
23 23 16 00-0103	EA		3/8" ACR Wrought Copper 45 Degree Elbow	22.41	8.65
23 23 16 00-0104	EA		1/2" ACR Wrought Copper 45 Degree Elbow	21.03	8.65
23 23 16 00-0105	EA		5/8" ACR Wrought Copper 45 Degree Elbow	16.86	9.04
23 23 16 00-0106	EA		3/4" ACR Wrought Copper 45 Degree Elbow	32.17	11.92
23 23 16 00-0107	EA		7/8" ACR Wrought Copper 45 Degree Elbow	24.05	12.25
23 23 16 00-0108	EA		1-1/8" ACR Wrought Copper 45 Degree Elbow	37.11	15.21
23 23 16 00-0109	EA		1-3/8" ACR Wrought Copper 45 Degree Elbow	50.42	20.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0110	EA		1-5/8" ACR Wrought Copper 45 Degree Elbow	59.79	24.42
23 23 16 00-0111	EA		2-1/8" ACR Wrought Copper 45 Degree Elbow	83.00	29.62
23 23 16 00-0112	EA		2-5/8" ACR Wrought Copper 45 Degree Elbow	149.76	44.99
23 23 16 00-0113	EA		3-1/8" ACR Wrought Copper 45 Degree Elbow	203.59	59.16
23 23 16 00-0114	EA		4-1/8" ACR Wrought Copper 45 Degree Elbow	350.12	70.29
23 23 16 00-0115			ACR Wrought Copper Tee (23 23 16 00-0058)		
			Note: C x C x C		
23 23 16 00-0116	EA		1/4" ACR Wrought Copper Tee	31.69	14.40
23 23 16 00-0117	EA		3/8" ACR Wrought Copper Tee	32.26	14.40
23 23 16 00-0118	EA		1/2" ACR Wrought Copper Tee	30.16	14.40
23 23 16 00-0119	EA		5/8" ACR Wrought Copper Tee	30.21	18.17
23 23 16 00-0120	EA		3/4" ACR Wrought Copper Tee	46.73	18.17
23 23 16 00-0121	EA		7/8" ACR Wrought Copper Tee	34.92	18.41
23 23 16 00-0122	EA		1-1/8" ACR Wrought Copper Tee	59.27	24.42
23 23 16 00-0123	EA		1-3/8" ACR Wrought Copper Tee	74.98	29.62
23 23 16 00-0124	EA		1-5/8" ACR Wrought Copper Tee	99.88	35.14
23 23 16 00-0125	EA		2-1/8" ACR Wrought Copper Tee	143.84	46.83
23 23 16 00-0126	EA		2-5/8" ACR Wrought Copper Tee	301.78	102.22
23 23 16 00-0127	EA		3-1/8" ACR Wrought Copper Tee	381.66	112.39
23 23 16 00-0128	EA		4-1/8" ACR Wrought Copper Tee	703.08	124.88
23 23 16 00-0129			ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
			Note: C x M		
23 23 16 00-0130	EA		1/4" ACR Wrought Copper Male Adapter	28.84	8.65
23 23 16 00-0131	EA		3/8" ACR Wrought Copper Male Adapter	34.00	8.65
23 23 16 00-0132	EA		1/2" ACR Wrought Copper Male Adapter	25.43	8.65
23 23 16 00-0133			ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
			Note: C x F		
23 23 16 00-0134	EA		1/4" ACR Wrought Copper Female Adapter	26.81	8.65
23 23 16 00-0135	EA		3/8" ACR Wrought Copper Female Adapter	23.85	8.65
23 23 16 00-0136	EA		1/2" ACR Wrought Copper Female Adapter	24.97	8.65
23 23 16 00-0137			ACR Wrought Copper Cap (23 23 16 00-0058)		
			Note: C		
23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap	11.10	5.76
23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap	10.16	5.76
23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap	11.07	5.76
23 23 16 00-0141			ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap	80.93	7.37
23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap	111.99	8.11
23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap	94.78	8.11
23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap	131.64	8.85
23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap	230.22	8.85
23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap	329.68	9.59
23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap	612.50	10.33
23 23 16 00-0149			Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	41.27	11.07
23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	50.12	13.28
23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	60.58	16.23
23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	66.55	18.45
23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	89.91	23.61
23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	103.85	28.78
23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	161.18	33.94
23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	198.34	46.48
23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	243.41	57.54
23 23 16 00-0159			Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0160			Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	375.63	6.64
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	377.06	8.11
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	481.56	8.11
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	478.99	8.85
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	533.03	9.59
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	598.80	10.33
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	699.44	11.07
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	873.18	11.07
23 23 16 00-0169			Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	59.90	6.64
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	76.53	6.64
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	97.72	7.37
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	113.20	7.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	124.45		7.37
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	144.03		7.37
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	162.07		8.11
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	239.67		8.11
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	260.67		8.11
23 23 16 00-0179		Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)			
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	84.20		6.64
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	93.82		6.64
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	111.87		7.37
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	100.68		6.64
23 23 16 00-0184	EA	1-2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	126.02		7.37
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	146.46		7.37
23 23 16 00-0186		Refrigerant Compressor Discharge Mufflers (23 23 16)			
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	75.85		6.64
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	83.74		6.64
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	100.96		6.64
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	135.30		8.11
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	176.50		8.11
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	209.69		8.85
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	265.77		9.59
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	491.46		10.33
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	548.90		11.07
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	679.24		11.07
23 23 16 00-0197		Expansion Valves And Vibration Absorbers (23 23 16)			
23 23 16 00-0198		Thermostatic Expansion Valves (23 23 16 00-0197)			
		Note: Outside diameter pipe sizes. Sporlan TP-S.			
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	163.04		6.64
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	227.06		7.37
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	387.30		7.37
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	459.05		8.11
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	495.94		8.11
23 23 16 00-0204		Electric Expansion Valves (23 23 16 00-0197)			
		Note: Sporlan SEI or SEH.			
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	502.02		9.22
		Note: Sporlan SEI.			
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	584.79		9.59
		Note: Sporlan SEI.			
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	668.04		9.96
		Note: Sporlan SEI.			
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	778.51		9.96
		Note: Sporlan SEH.			
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	878.67		10.33
		Note: Sporlan SEH.			
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)			
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	43.25		9.59
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	43.42		11.07
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	56.31		14.02
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	60.61		16.97
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.36		20.65
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	82.63		23.61
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	117.31		8.85
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	165.65		9.59
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	207.63		9.59
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	284.69		10.33
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	486.21		11.07
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	637.43		11.07
23 23 16 00-0223		Accumulator, Refrigerant Suction Line (23 23 16)			
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line.....	137.47		33.57
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line.....	186.25		46.11
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line.....	221.38		61.46
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line.....	313.38		73.78
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	432.97		92.22
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	660.37		122.99
23 23 16 00-0230		Special Chemicals/Component (23 23 16)			
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%.....	28.48		
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	5.72		
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	19.36		
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush	237.18		
		Note: Up to 10 ton AC system.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 23 Refrigerants (23 23)

23 23 23 00-0001	Refrigerant (23 23 23)			
23 23 23 00-0002	LB R-113 Refrigerant			24.82
23 23 23 00-0003	LB R-123 Refrigerant			18.21
23 23 23 00-0004	LB R-134A Refrigerant			6.49
23 23 23 00-0005	LB R-410A Refrigerant			11.26

23 25 HVAC Water Treatment (23 20)

23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)

23 25 13 00-0001	Polyethylene Chemical Storage Tanks (23 25 13)			
23 25 13 00-0002	EA 15 Gallon Chemical Storage Tank, Polyethylene.....		215.83	61.55
23 25 13 00-0003	Bypass Shot Feeders (23 25 13) Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.			
23 25 13 00-0004	In Line Mount, 125 PSIG (23 25 13 00-0003)			
23 25 13 00-0005	EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG		778.23	208.79
23 25 13 00-0006	Floor Mount, 175 PSIG (23 25 13 00-0003)			
23 25 13 00-0007	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....		1,136.11	314.29
23 25 13 00-0008	EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....		1,495.50	416.11
23 25 13 00-0009	Floor Mount, 150 LB ASME Code (23 25 13 00-0003)			
23 25 13 00-0010	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code		1,136.11	314.29
23 25 13 00-0011	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code		1,495.50	416.11
23 25 13 00-0012	Floor Mount, 300 LB ASME Code (23 25 13 00-0003)			
23 25 13 00-0013	EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code		1,520.82	314.29
23 25 13 00-0014	EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code		1,894.97	416.11
23 25 13 00-0015	Gas Chlorinator (23 25 13)			
23 25 13 00-0016	EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....		910.24	280.02
	For Booster Pump, Add		329.01	
23 25 13 00-0017	EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....		1,039.71	320.02
	For Booster Pump, Add		376.05	
23 25 13 00-0018	EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....		1,500.44	242.42
	For Booster Pump, Add		471.90	

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts and Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0393 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001	Steel Sheet Metal Duct (23 31 13 13)	Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 13-0002	Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)	Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13-0003	LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....		8.49	2.14
	For Polyvinyl Chloride (PVC) Coated, Add		0.38	
	For Up To 200, Add		3.12	
	For >200 To 500, Add		2.01	
	For >500 To 1,000, Add		1.32	
	For >1,000 To 2,000, Add		0.74	
	For >2,000 To 5,000, Add		0.32	
	For Work In Restricted Working Space, Add		1.97	
	For Elevated Installation >10' To 15', Add		0.39	
	For Elevated Installation >15' To 20', Add		0.79	
	For Elevated Installation >20' To 25', Add		0.99	
	For Elevated Installation >25' To 30', Add		1.38	
	For Elevated Installation >30' To 35', Add		1.58	
	For Elevated Installation >35' To 40', Add		1.97	
	For Elevated Installation >40', Add		2.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0004	LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	9.48	2.14
	For Polyvinyl Chloride (PVC) Coated, Add	0.38	
	For Up To 200, Add	3.42	
	For >200 To 500, Add	2.18	
	For >500 To 1,000, Add	1.46	
	For >1,000 To 2,000, Add	0.82	
	For >2,000 To 5,000, Add	0.36	
	For Work In Restricted Working Space, Add	2.27	
	For Elevated Installation >10' To 15', Add	0.45	
	For Elevated Installation >15' To 20', Add	0.91	
	For Elevated Installation >20' To 25', Add	1.14	
	For Elevated Installation >25' To 30', Add	1.59	
	For Elevated Installation >30' To 35', Add	1.82	
	For Elevated Installation >35' To 40', Add	2.27	
	For Elevated Installation >40', Add	2.50	
23 31 13 13-0005	LB 4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	11.13	2.14
	For Polyvinyl Chloride (PVC) Coated, Add	0.38	
	For Up To 200, Add	3.91	
	For >200 To 500, Add	2.48	
	For >500 To 1,000, Add	1.69	
	For >1,000 To 2,000, Add	0.95	
	For >2,000 To 5,000, Add	0.43	
	For Work In Restricted Working Space, Add	2.77	
	For Elevated Installation >10' To 15', Add	0.55	
	For Elevated Installation >15' To 20', Add	1.11	
	For Elevated Installation >20' To 25', Add	1.38	
	For Elevated Installation >25' To 30', Add	1.94	
	For Elevated Installation >30' To 35', Add	2.21	
	For Elevated Installation >35' To 40', Add	2.77	
	For Elevated Installation >40', Add	3.04	
23 31 13 13-0006	Alloy 3003-H14, Aluminum Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
	Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB 2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	16.20	2.14
	For Work In Restricted Working Space, Add	3.90	
	For Up To 200, Add	5.82	
	For >200 To 500, Add	3.71	
	For >500 To 1,000, Add	2.49	
	For >1,000 To 2,000, Add	1.39	
	For >2,000 To 5,000, Add	0.62	
	For Elevated Installation >10' To 15', Add	0.78	
	For Elevated Installation >15' To 20', Add	1.56	
	For Elevated Installation >20' To 25', Add	1.95	
	For Elevated Installation >25' To 30', Add	2.73	
	For Elevated Installation >30' To 35', Add	3.12	
	For Elevated Installation >35' To 40', Add	3.90	
	For Elevated Installation >40', Add	4.29	
23 31 13 13-0008	LB 3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	18.15	2.14
	For Work In Restricted Working Space, Add	4.49	
	For Up To 200, Add	6.40	
	For >200 To 500, Add	4.06	
	For >500 To 1,000, Add	2.76	
	For >1,000 To 2,000, Add	1.55	
	For >2,000 To 5,000, Add	0.69	
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.80	
	For Elevated Installation >20' To 25', Add	2.24	
	For Elevated Installation >25' To 30', Add	3.14	
	For Elevated Installation >30' To 35', Add	3.59	
	For Elevated Installation >35' To 40', Add	4.49	
	For Elevated Installation >40', Add	4.94	
23 31 13 13-0009	LB 4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork	21.41	2.14
	For Work In Restricted Working Space, Add	5.47	
	For Up To 200, Add	7.38	
	For >200 To 500, Add	4.65	
	For >500 To 1,000, Add	3.22	
	For >1,000 To 2,000, Add	1.81	
	For >2,000 To 5,000, Add	0.82	
	For Elevated Installation >10' To 15', Add	1.09	
	For Elevated Installation >15' To 20', Add	2.19	
	For Elevated Installation >20' To 25', Add	2.73	
	For Elevated Installation >25' To 30', Add	3.83	
	For Elevated Installation >30' To 35', Add	4.37	
	For Elevated Installation >35' To 40', Add	5.47	
	For Elevated Installation >40', Add	6.01	
23 31 13 13-0010	Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
	Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-0011	LB		2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork.....	12.11	2.85
			<i>For Work In Restricted Working Space, Add</i>	2.40	
			<i>For Welded Seams, Add</i>	4.21	
			<i>For Up To 200, Add</i>	4.87	
			<i>For >200 To 500, Add</i>	3.21	
			<i>For >500 To 1,000, Add</i>	1.98	
			<i>For >1,000 To 2,000, Add</i>	1.09	
			<i>For >2,000 To 5,000, Add</i>	0.44	
			<i>For Elevated Installation >10' To 15', Add</i>	0.48	
			<i>For Elevated Installation >15' To 20', Add</i>	0.96	
			<i>For Elevated Installation >20' To 25', Add</i>	1.20	
			<i>For Elevated Installation >25' To 30', Add</i>	1.68	
			<i>For Elevated Installation >30' To 35', Add</i>	1.92	
			<i>For Elevated Installation >35' To 40', Add</i>	2.40	
			<i>For Elevated Installation >40', Add</i>	2.64	
23 31 13 13-0012	LB		3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork.....	13.76	2.85
			<i>For Work In Restricted Working Space, Add</i>	2.90	
			<i>For Welded Seams, Add</i>	5.03	
			<i>For Up To 200, Add</i>	5.36	
			<i>For >200 To 500, Add</i>	3.50	
			<i>For >500 To 1,000, Add</i>	2.21	
			<i>For >1,000 To 2,000, Add</i>	1.22	
			<i>For >2,000 To 5,000, Add</i>	0.51	
			<i>For Elevated Installation >10' To 15', Add</i>	0.58	
			<i>For Elevated Installation >15' To 20', Add</i>	1.16	
			<i>For Elevated Installation >20' To 25', Add</i>	1.45	
			<i>For Elevated Installation >25' To 30', Add</i>	2.03	
			<i>For Elevated Installation >30' To 35', Add</i>	2.32	
			<i>For Elevated Installation >35' To 40', Add</i>	2.90	
			<i>For Elevated Installation >40', Add</i>	3.18	
23 31 13 13-0013	LB		4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork.....	15.30	2.85
			<i>For Work In Restricted Working Space, Add</i>	3.36	
			<i>For Welded Seams, Add</i>	5.80	
			<i>For Up To 200, Add</i>	5.82	
			<i>For >200 To 500, Add</i>	3.78	
			<i>For >500 To 1,000, Add</i>	2.43	
			<i>For >1,000 To 2,000, Add</i>	1.35	
			<i>For >2,000 To 5,000, Add</i>	0.57	
			<i>For Elevated Installation >10' To 15', Add</i>	0.67	
			<i>For Elevated Installation >15' To 20', Add</i>	1.34	
			<i>For Elevated Installation >20' To 25', Add</i>	1.68	
			<i>For Elevated Installation >25' To 30', Add</i>	2.35	
			<i>For Elevated Installation >30' To 35', Add</i>	2.69	
			<i>For Elevated Installation >35' To 40', Add</i>	3.36	
			<i>For Elevated Installation >40', Add</i>	3.69	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001			Low Pressure Round And Flat-Oval Duct <small>(23 31 13 16)</small>		
			Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts <small>(23 31 13 16-0001)</small>		
			Note: Includes straps and supports.		
23 31 13 16-0003	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	4.33	1.69
			<i>For 3" WG (Class B), Add</i>	0.52	
			<i>For 4" Or 6" WG (Class A), Add</i>	1.38	
			<i>For 28 Gauge, Deduct</i>	-0.12	
			<i>For 24 Gauge, Add</i>	0.12	
			<i>For 22 Gauge, Add</i>	0.24	
			<i>For 20 Gauge, Add</i>	0.36	
			<i>For 18 Gauge, Add</i>	0.48	
			<i>For 16 Gauge, Add</i>	0.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	1.04	
			<i>For Elevated Installation >10' To 15', Add</i>	0.35	
			<i>For Elevated Installation >15' To 20', Add</i>	0.69	
			<i>For Elevated Installation >20' To 25', Add</i>	0.87	
			<i>For Elevated Installation >25' To 30', Add</i>	1.21	
			<i>For Elevated Installation >30' To 35', Add</i>	1.38	
			<i>For Elevated Installation >35' To 40', Add</i>	1.73	
			<i>For Elevated Installation >40', Add</i>	1.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



WE FINANCE, BUILD AND DELIVER.

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	4.95	1.92
		For 3" WG (Class B), Add	0.58	
		For 4" Or 6" WG (Class A), Add	1.54	
		For 28 Gauge, Deduct	-0.15	
		For 24 Gauge, Add	0.15	
		For 22 Gauge, Add	0.31	
		For 20 Gauge, Add	0.46	
		For 18 Gauge, Add	0.61	
		For 16 Gauge, Add	0.75	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.82	
		For Work In Restricted Working Space, Add	1.15	
		For Elevated Installation >10' To 15', Add	0.38	
		For Elevated Installation >15' To 20', Add	0.77	
		For Elevated Installation >20' To 25', Add	0.96	
		For Elevated Installation >25' To 30', Add	1.34	
		For Elevated Installation >30' To 35', Add	1.54	
		For Elevated Installation >35' To 40', Add	1.92	
		For Elevated Installation >40', Add	2.11	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	5.60	2.30
		For 3" WG (Class B), Add	0.65	
		For 4" Or 6" WG (Class A), Add	1.73	
		For 28 Gauge, Deduct	-0.18	
		For 24 Gauge, Add	0.18	
		For 22 Gauge, Add	0.35	
		For 20 Gauge, Add	0.53	
		For 18 Gauge, Add	0.70	
		For 16 Gauge, Add	0.86	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.94	
		For Work In Restricted Working Space, Add	1.30	
		For Elevated Installation >10' To 15', Add	0.43	
		For Elevated Installation >15' To 20', Add	0.87	
		For Elevated Installation >20' To 25', Add	1.08	
		For Elevated Installation >25' To 30', Add	1.52	
		For Elevated Installation >30' To 35', Add	1.73	
		For Elevated Installation >35' To 40', Add	2.17	
		For Elevated Installation >40', Add	2.38	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	6.44	2.69
		For 3" WG (Class B), Add	0.74	
		For 4" Or 6" WG (Class A), Add	1.98	
		For 28 Gauge, Deduct	-0.21	
		For 24 Gauge, Add	0.21	
		For 22 Gauge, Add	0.41	
		For 20 Gauge, Add	0.62	
		For 18 Gauge, Add	0.83	
		For 16 Gauge, Add	1.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.11	
		For Work In Restricted Working Space, Add	1.48	
		For Elevated Installation >10' To 15', Add	0.49	
		For Elevated Installation >15' To 20', Add	0.99	
		For Elevated Installation >20' To 25', Add	1.24	
		For Elevated Installation >25' To 30', Add	1.73	
		For Elevated Installation >30' To 35', Add	1.98	
		For Elevated Installation >35' To 40', Add	2.47	
		For Elevated Installation >40', Add	2.72	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	7.43	3.07
		For 3" WG (Class B), Add	0.86	
		For 4" Or 6" WG (Class A), Add	2.30	
		For 28 Gauge, Deduct	-0.23	
		For 24 Gauge, Add	0.23	
		For 22 Gauge, Add	0.46	
		For 20 Gauge, Add	0.69	
		For 18 Gauge, Add	0.92	
		For 16 Gauge, Add	1.13	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.24	
		For Work In Restricted Working Space, Add	1.73	
		For Elevated Installation >10' To 15', Add	0.58	
		For Elevated Installation >15' To 20', Add	1.15	
		For Elevated Installation >20' To 25', Add	1.44	
		For Elevated Installation >25' To 30', Add	2.02	
		For Elevated Installation >30' To 35', Add	2.30	
		For Elevated Installation >35' To 40', Add	2.88	
		For Elevated Installation >40', Add	3.17	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.97	3.84
		For 3" WG (Class B), Add	1.04	
		For 4" Or 6" WG (Class A), Add	2.76	
		For 28 Gauge, Deduct	-0.29	
		For 24 Gauge, Add	0.28	
		For 22 Gauge, Add	0.57	
		For 20 Gauge, Add	0.85	
		For 18 Gauge, Add	1.13	
		For 16 Gauge, Add	1.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.52	
		For Work In Restricted Working Space, Add	2.07	
		For Elevated Installation >10' To 15', Add	0.69	
		For Elevated Installation >15' To 20', Add	1.38	
		For Elevated Installation >20' To 25', Add	1.73	
		For Elevated Installation >25' To 30', Add	2.42	
		For Elevated Installation >30' To 35', Add	2.76	
		For Elevated Installation >35' To 40', Add	3.46	
		For Elevated Installation >40', Add	3.80	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	11.18	5.16
		For 3" WG (Class B), Add	1.30	
		For 4" Or 6" WG (Class A), Add	3.46	
		For 28 Gauge, Deduct	-0.35	
		For 24 Gauge, Add	0.35	
		For 22 Gauge, Add	0.70	
		For 20 Gauge, Add	1.05	
		For 18 Gauge, Add	1.39	
		For 16 Gauge, Add	1.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.87	
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.16	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.46	
		For Elevated Installation >35' To 40', Add	4.33	
		For Elevated Installation >40', Add	4.76	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	13.75	7.68
		For 3" WG (Class B), Add	1.62	
		For 4" Or 6" WG (Class A), Add	4.32	
		For 28 Gauge, Deduct	-0.41	
		For 24 Gauge, Add	0.41	
		For 22 Gauge, Add	0.81	
		For 20 Gauge, Add	1.22	
		For 18 Gauge, Add	1.62	
		For 16 Gauge, Add	1.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.18	
		For Work In Restricted Working Space, Add	3.24	
		For Elevated Installation >10' To 15', Add	1.08	
		For Elevated Installation >15' To 20', Add	2.16	
		For Elevated Installation >20' To 25', Add	2.70	
		For Elevated Installation >25' To 30', Add	3.78	
		For Elevated Installation >30' To 35', Add	4.32	
		For Elevated Installation >35' To 40', Add	5.41	
		For Elevated Installation >40', Add	5.95	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	18.77	10.30
		For 3" WG (Class B), Add	2.16	
		For 4" Or 6" WG (Class A), Add	5.77	
		For 28 Gauge, Deduct	-0.60	
		For 24 Gauge, Add	0.60	
		For 22 Gauge, Add	1.20	
		For 20 Gauge, Add	1.80	
		For 18 Gauge, Add	2.39	
		For 16 Gauge, Add	2.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.22	
		For Work In Restricted Working Space, Add	4.33	
		For Elevated Installation >10' To 15', Add	1.44	
		For Elevated Installation >15' To 20', Add	2.88	
		For Elevated Installation >20' To 25', Add	3.61	
		For Elevated Installation >25' To 30', Add	5.05	
		For Elevated Installation >30' To 35', Add	5.77	
		For Elevated Installation >35' To 40', Add	7.21	
		For Elevated Installation >40', Add	7.93	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	22.14	12.37
		For 28 Gauge, Deduct	-0.67	
		For 24 Gauge, Add	0.67	
		For 22 Gauge, Add	1.33	
		For 20 Gauge, Add	2.00	
		For 18 Gauge, Add	2.66	
		For 16 Gauge, Add	3.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.58	
		For Work In Restricted Working Space, Add	5.19	
		For Elevated Installation >10' To 15', Add	1.73	
		For Elevated Installation >15' To 20', Add	3.46	
		For Elevated Installation >20' To 25', Add	4.33	
		For Elevated Installation >25' To 30', Add	6.06	
		For Elevated Installation >30' To 35', Add	6.92	
		For Elevated Installation >35' To 40', Add	8.65	
		For Elevated Installation >40', Add	9.52	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	25.39	14.30
		For 28 Gauge, Deduct	-0.75	
		For 24 Gauge, Add	0.75	
		For 22 Gauge, Add	1.49	
		For 20 Gauge, Add	2.24	
		For 18 Gauge, Add	2.97	
		For 16 Gauge, Add	3.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.00	
		For Work In Restricted Working Space, Add	6.00	
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	4.00	
		For Elevated Installation >20' To 25', Add	5.00	
		For Elevated Installation >25' To 30', Add	7.00	
		For Elevated Installation >30' To 35', Add	8.00	
		For Elevated Installation >35' To 40', Add	10.00	
		For Elevated Installation >40', Add	10.99	
23 31 13 16-0014		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows <small>(23 31 13 16-0001)</small>		
		Note: Up to 90 degree.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0015	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	24.63	10.26
			For 3" WG (Class B), Add	3.08	
			For 4" Or 6" WG (Class A), Add	8.21	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.57	
			For 22 Gauge, Add	1.13	
			For 20 Gauge, Add	1.70	
			For 18 Gauge, Add	2.26	
			For 16 Gauge, Add	2.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.03	
			For Work In Restricted Working Space, Add	6.16	
			For Elevated Installation >10' To 15', Add	2.05	
			For Elevated Installation >15' To 20', Add	4.11	
			For Elevated Installation >20' To 25', Add	5.13	
			For Elevated Installation >25' To 30', Add	7.19	
			For Elevated Installation >30' To 35', Add	8.21	
			For Elevated Installation >35' To 40', Add	10.27	
			For Elevated Installation >40', Add	11.29	
23 31	13 16-0016	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	28.14	11.84
			For 3" WG (Class B), Add	3.55	
			For 4" Or 6" WG (Class A), Add	9.47	
			For 28 Gauge, Deduct	-0.62	
			For 24 Gauge, Add	0.62	
			For 22 Gauge, Add	1.23	
			For 20 Gauge, Add	1.85	
			For 18 Gauge, Add	2.45	
			For 16 Gauge, Add	3.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.30	
			For Work In Restricted Working Space, Add	7.10	
			For Elevated Installation >10' To 15', Add	2.37	
			For Elevated Installation >15' To 20', Add	4.74	
			For Elevated Installation >20' To 25', Add	5.92	
			For Elevated Installation >25' To 30', Add	8.29	
			For Elevated Installation >30' To 35', Add	9.47	
			For Elevated Installation >35' To 40', Add	11.84	
			For Elevated Installation >40', Add	13.02	
23 31	13 16-0017	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	33.00	13.99
			For 3" WG (Class B), Add	4.20	
			For 4" Or 6" WG (Class A), Add	11.19	
			For 28 Gauge, Deduct	-0.70	
			For 24 Gauge, Add	0.69	
			For 22 Gauge, Add	1.38	
			For 20 Gauge, Add	2.08	
			For 18 Gauge, Add	2.76	
			For 16 Gauge, Add	3.39	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.71	
			For Work In Restricted Working Space, Add	8.39	
			For Elevated Installation >10' To 15', Add	2.80	
			For Elevated Installation >15' To 20', Add	5.60	
			For Elevated Installation >20' To 25', Add	7.00	
			For Elevated Installation >25' To 30', Add	9.79	
			For Elevated Installation >30' To 35', Add	11.19	
			For Elevated Installation >35' To 40', Add	13.99	
			For Elevated Installation >40', Add	15.39	
23 31	13 16-0018	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	42.15	17.99
			For 3" WG (Class B), Add	5.40	
			For 4" Or 6" WG (Class A), Add	14.39	
			For 28 Gauge, Deduct	-0.85	
			For 24 Gauge, Add	0.85	
			For 22 Gauge, Add	1.70	
			For 20 Gauge, Add	2.55	
			For 18 Gauge, Add	3.39	
			For 16 Gauge, Add	4.16	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.57	
			For Work In Restricted Working Space, Add	10.79	
			For Elevated Installation >10' To 15', Add	3.60	
			For Elevated Installation >15' To 20', Add	7.20	
			For Elevated Installation >20' To 25', Add	9.00	
			For Elevated Installation >25' To 30', Add	12.59	
			For Elevated Installation >30' To 35', Add	14.39	
			For Elevated Installation >35' To 40', Add	17.99	
			For Elevated Installation >40', Add	19.79	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	50.49	21.91
		For 3" WG (Class B), Add	6.57	
		For 4" Or 6" WG (Class A), Add	17.53	
		For 28 Gauge, Deduct	-0.92	
		For 24 Gauge, Add	0.92	
		For 22 Gauge, Add	1.84	
		For 20 Gauge, Add	2.76	
		For 18 Gauge, Add	3.67	
		For 16 Gauge, Add	4.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.94	
		For Work In Restricted Working Space, Add	13.15	
		For Elevated Installation >10' To 15', Add	4.38	
		For Elevated Installation >15' To 20', Add	8.76	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.34	
		For Elevated Installation >30' To 35', Add	17.53	
		For Elevated Installation >35' To 40', Add	21.91	
		For Elevated Installation >40', Add	24.10	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	77.21	34.21
		For 3" WG (Class B), Add	10.26	
		For 4" Or 6" WG (Class A), Add	27.37	
		For 28 Gauge, Deduct	-1.22	
		For 24 Gauge, Add	1.21	
		For 22 Gauge, Add	2.42	
		For 20 Gauge, Add	3.64	
		For 18 Gauge, Add	4.83	
		For 16 Gauge, Add	5.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.50	
		For Work In Restricted Working Space, Add	20.53	
		For Elevated Installation >10' To 15', Add	6.84	
		For Elevated Installation >15' To 20', Add	13.68	
		For Elevated Installation >20' To 25', Add	17.11	
		For Elevated Installation >25' To 30', Add	23.95	
		For Elevated Installation >30' To 35', Add	27.37	
		For Elevated Installation >35' To 40', Add	34.21	
		For Elevated Installation >40', Add	37.63	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	106.48	47.28
		For 3" WG (Class B), Add	14.18	
		For 4" Or 6" WG (Class A), Add	37.82	
		For 28 Gauge, Deduct	-1.65	
		For 24 Gauge, Add	1.64	
		For 22 Gauge, Add	3.28	
		For 20 Gauge, Add	4.93	
		For 18 Gauge, Add	6.56	
		For 16 Gauge, Add	8.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.82	
		For Work In Restricted Working Space, Add	28.37	
		For Elevated Installation >10' To 15', Add	9.46	
		For Elevated Installation >15' To 20', Add	18.91	
		For Elevated Installation >20' To 25', Add	23.64	
		For Elevated Installation >25' To 30', Add	33.10	
		For Elevated Installation >30' To 35', Add	37.82	
		For Elevated Installation >35' To 40', Add	47.28	
		For Elevated Installation >40', Add	52.01	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	130.13	55.93
		For 3" WG (Class B), Add	16.78	
		For 4" Or 6" WG (Class A), Add	44.74	
		For 28 Gauge, Deduct	-2.53	
		For 24 Gauge, Add	2.52	
		For 22 Gauge, Add	5.03	
		For 20 Gauge, Add	7.56	
		For 18 Gauge, Add	10.05	
		For 16 Gauge, Add	12.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.52	
		For Work In Restricted Working Space, Add	33.56	
		For Elevated Installation >10' To 15', Add	11.19	
		For Elevated Installation >15' To 20', Add	22.37	
		For Elevated Installation >20' To 25', Add	27.97	
		For Elevated Installation >25' To 30', Add	39.15	
		For Elevated Installation >30' To 35', Add	44.74	
		For Elevated Installation >35' To 40', Add	55.93	
		For Elevated Installation >40', Add	61.52	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0023	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	149.19	61.50
		For 3" WG (Class B), Add	18.45	
		For 4" Or 6" WG (Class A), Add	49.20	
		For 28 Gauge, Deduct	-3.63	
		For 24 Gauge, Add	3.61	
		For 22 Gauge, Add	7.21	
		For 20 Gauge, Add	10.84	
		For 18 Gauge, Add	14.40	
		For 16 Gauge, Add	17.67	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.37	
		For Work In Restricted Working Space, Add	36.90	
		For Elevated Installation >10' To 15', Add	12.30	
		For Elevated Installation >15' To 20', Add	24.60	
		For Elevated Installation >20' To 25', Add	30.75	
		For Elevated Installation >25' To 30', Add	43.05	
		For Elevated Installation >30' To 35', Add	49.20	
		For Elevated Installation >35' To 40', Add	61.51	
		For Elevated Installation >40', Add	67.66	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	167.19	64.00
		For 3" WG (Class B), Add	19.20	
		For 4" Or 6" WG (Class A), Add	51.20	
		For 28 Gauge, Deduct	-5.43	
		For 24 Gauge, Add	5.41	
		For 22 Gauge, Add	10.80	
		For 20 Gauge, Add	16.22	
		For 18 Gauge, Add	21.55	
		For 16 Gauge, Add	26.45	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.00	
		For Work In Restricted Working Space, Add	38.40	
		For Elevated Installation >10' To 15', Add	12.80	
		For Elevated Installation >15' To 20', Add	25.60	
		For Elevated Installation >20' To 25', Add	32.00	
		For Elevated Installation >25' To 30', Add	44.80	
		For Elevated Installation >30' To 35', Add	51.20	
		For Elevated Installation >35' To 40', Add	64.00	
		For Elevated Installation >40', Add	70.40	
		For 10" WG (Class A), Add	58.88	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	184.49	66.11
		For 3" WG (Class B), Add	19.83	
		For 4" Or 6" WG (Class A), Add	52.89	
		For 28 Gauge, Deduct	-7.24	
		For 24 Gauge, Add	7.21	
		For 22 Gauge, Add	14.40	
		For 20 Gauge, Add	21.64	
		For 18 Gauge, Add	28.74	
		For 16 Gauge, Add	35.28	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.67	
		For Work In Restricted Working Space, Add	39.67	
		For Elevated Installation >10' To 15', Add	13.22	
		For Elevated Installation >15' To 20', Add	26.45	
		For Elevated Installation >20' To 25', Add	33.06	
		For Elevated Installation >25' To 30', Add	46.28	
		For Elevated Installation >30' To 35', Add	52.89	
		For Elevated Installation >35' To 40', Add	66.12	
		For Elevated Installation >40', Add	72.73	
		For 10" WG (Class A), Add	60.83	
23 31 13 16-0026		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	20.75	6.91
		For 3" WG (Class B), Add	2.60	
		For 4" Or 6" WG (Class A), Add	6.92	
		For 28 Gauge, Deduct	-0.48	
		For 24 Gauge, Add	0.48	
		For 22 Gauge, Add	0.95	
		For 20 Gauge, Add	1.43	
		For 18 Gauge, Add	1.90	
		For 16 Gauge, Add	2.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.55	
		For Work In Restricted Working Space, Add	5.19	
		For Elevated Installation >10' To 15', Add	1.73	
		For Elevated Installation >15' To 20', Add	3.46	
		For Elevated Installation >20' To 25', Add	4.33	
		For Elevated Installation >25' To 30', Add	6.06	
		For Elevated Installation >30' To 35', Add	6.92	
		For Elevated Installation >35' To 40', Add	8.65	
		For Elevated Installation >40', Add	9.52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	23.70	7.92
		For 3" WG (Class B), Add	2.97	
		For 4" Or 6" WG (Class A), Add	7.91	
		For 28 Gauge, Deduct	-0.54	
		For 24 Gauge, Add	0.54	
		For 22 Gauge, Add	1.08	
		For 20 Gauge, Add	1.63	
		For 18 Gauge, Add	2.16	
		For 16 Gauge, Add	2.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.91	
		For Work In Restricted Working Space, Add	5.93	
		For Elevated Installation >10' To 15', Add	1.98	
		For Elevated Installation >15' To 20', Add	3.95	
		For Elevated Installation >20' To 25', Add	4.94	
		For Elevated Installation >25' To 30', Add	6.92	
		For Elevated Installation >30' To 35', Add	7.91	
		For Elevated Installation >35' To 40', Add	9.89	
		For Elevated Installation >40', Add	10.87	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	27.55	9.23
		For 3" WG (Class B), Add	3.46	
		For 4" Or 6" WG (Class A), Add	9.23	
		For 28 Gauge, Deduct	-0.62	
		For 24 Gauge, Add	0.62	
		For 22 Gauge, Add	1.23	
		For 20 Gauge, Add	1.85	
		For 18 Gauge, Add	2.46	
		For 16 Gauge, Add	3.02	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32	
		For Work In Restricted Working Space, Add	6.92	
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.61	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.07	
		For Elevated Installation >30' To 35', Add	9.23	
		For Elevated Installation >35' To 40', Add	11.54	
		For Elevated Installation >40', Add	12.69	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	32.42	11.07
		For 3" WG (Class B), Add	4.15	
		For 4" Or 6" WG (Class A), Add	11.07	
		For 28 Gauge, Deduct	-0.66	
		For 24 Gauge, Add	0.65	
		For 22 Gauge, Add	1.31	
		For 20 Gauge, Add	1.96	
		For 18 Gauge, Add	2.61	
		For 16 Gauge, Add	3.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.51	
		For Work In Restricted Working Space, Add	8.30	
		For Elevated Installation >10' To 15', Add	2.77	
		For Elevated Installation >15' To 20', Add	5.54	
		For Elevated Installation >20' To 25', Add	6.92	
		For Elevated Installation >25' To 30', Add	9.69	
		For Elevated Installation >30' To 35', Add	11.07	
		For Elevated Installation >35' To 40', Add	13.84	
		For Elevated Installation >40', Add	15.22	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	40.09	13.84
		For 3" WG (Class B), Add	5.19	
		For 4" Or 6" WG (Class A), Add	13.84	
		For 28 Gauge, Deduct	-0.76	
		For 24 Gauge, Add	0.76	
		For 22 Gauge, Add	1.52	
		For 20 Gauge, Add	2.28	
		For 18 Gauge, Add	3.03	
		For 16 Gauge, Add	3.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.07	
		For Work In Restricted Working Space, Add	10.38	
		For Elevated Installation >10' To 15', Add	3.46	
		For Elevated Installation >15' To 20', Add	6.92	
		For Elevated Installation >20' To 25', Add	8.65	
		For Elevated Installation >25' To 30', Add	12.11	
		For Elevated Installation >30' To 35', Add	13.84	
		For Elevated Installation >35' To 40', Add	17.30	
		For Elevated Installation >40', Add	19.02	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0032	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	53.99	18.45
		For 3" WG (Class B), Add	6.92	
		For 4" Or 6" WG (Class A), Add	18.45	
		For 28 Gauge, Deduct	-1.09	
		For 24 Gauge, Add	1.08	
		For 22 Gauge, Add	2.17	
		For 20 Gauge, Add	3.25	
		For 18 Gauge, Add	4.32	
		For 16 Gauge, Add	5.31	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82	
		For Work In Restricted Working Space, Add	13.84	
		For Elevated Installation >10' To 15', Add	4.61	
		For Elevated Installation >15' To 20', Add	9.23	
		For Elevated Installation >20' To 25', Add	11.53	
		For Elevated Installation >25' To 30', Add	16.15	
		For Elevated Installation >30' To 35', Add	18.45	
		For Elevated Installation >35' To 40', Add	23.07	
		For Elevated Installation >40', Add	25.37	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	79.59	27.68
		For 3" WG (Class B), Add	10.38	
		For 4" Or 6" WG (Class A), Add	27.68	
		For 28 Gauge, Deduct	-1.44	
		For 24 Gauge, Add	1.44	
		For 22 Gauge, Add	2.87	
		For 20 Gauge, Add	4.31	
		For 18 Gauge, Add	5.72	
		For 16 Gauge, Add	7.02	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.70	
		For Work In Restricted Working Space, Add	20.76	
		For Elevated Installation >10' To 15', Add	6.92	
		For Elevated Installation >15' To 20', Add	13.84	
		For Elevated Installation >20' To 25', Add	17.30	
		For Elevated Installation >25' To 30', Add	24.22	
		For Elevated Installation >30' To 35', Add	27.68	
		For Elevated Installation >35' To 40', Add	34.60	
		For Elevated Installation >40', Add	38.05	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	107.89	35.36
		For 3" WG (Class B), Add	13.26	
		For 4" Or 6" WG (Class A), Add	35.36	
		For 28 Gauge, Deduct	-2.70	
		For 24 Gauge, Add	2.69	
		For 22 Gauge, Add	5.37	
		For 20 Gauge, Add	8.06	
		For 18 Gauge, Add	10.71	
		For 16 Gauge, Add	13.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.42	
		For Work In Restricted Working Space, Add	26.52	
		For Elevated Installation >10' To 15', Add	8.84	
		For Elevated Installation >15' To 20', Add	17.68	
		For Elevated Installation >20' To 25', Add	22.10	
		For Elevated Installation >25' To 30', Add	30.94	
		For Elevated Installation >30' To 35', Add	35.36	
		For Elevated Installation >35' To 40', Add	44.21	
		For Elevated Installation >40', Add	48.63	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	135.30	44.59
		For 3" WG (Class B), Add	16.72	
		For 4" Or 6" WG (Class A), Add	44.59	
		For 28 Gauge, Deduct	-3.30	
		For 24 Gauge, Add	3.29	
		For 22 Gauge, Add	6.57	
		For 20 Gauge, Add	9.87	
		For 18 Gauge, Add	13.11	
		For 16 Gauge, Add	16.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.63	
		For Work In Restricted Working Space, Add	33.44	
		For Elevated Installation >10' To 15', Add	11.15	
		For Elevated Installation >15' To 20', Add	22.29	
		For Elevated Installation >20' To 25', Add	27.87	
		For Elevated Installation >25' To 30', Add	39.01	
		For Elevated Installation >30' To 35', Add	44.59	
		For Elevated Installation >35' To 40', Add	55.74	
		For Elevated Installation >40', Add	61.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0036	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	153.11	46.51
			For 3" WG (Class B), Add	17.41	
			For 4" Or 6" WG (Class A), Add	46.44	
			For 28 Gauge, Deduct	-5.13	
			For 24 Gauge, Add	5.11	
			For 22 Gauge, Add	10.20	
			For 20 Gauge, Add	15.33	
			For 18 Gauge, Add	20.36	
			For 16 Gauge, Add	24.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.39	
			For Work In Restricted Working Space, Add	34.83	
			For Elevated Installation >10' To 15', Add	11.61	
			For Elevated Installation >15' To 20', Add	23.22	
			For Elevated Installation >20' To 25', Add	29.02	
			For Elevated Installation >25' To 30', Add	40.63	
			For Elevated Installation >30' To 35', Add	46.44	
			For Elevated Installation >35' To 40', Add	58.05	
			For Elevated Installation >40', Add	63.85	
			For 10" WG (Class A), Add	53.40	
23 31 13 16-0037	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	168.52	47.66
			For 3" WG (Class B), Add	17.87	
			For 4" Or 6" WG (Class A), Add	47.66	
			For 28 Gauge, Deduct	-6.84	
			For 24 Gauge, Add	6.81	
			For 22 Gauge, Add	13.60	
			For 20 Gauge, Add	20.44	
			For 18 Gauge, Add	27.15	
			For 16 Gauge, Add	33.32	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.53	
			For Work In Restricted Working Space, Add	35.75	
			For Elevated Installation >10' To 15', Add	11.92	
			For Elevated Installation >15' To 20', Add	23.83	
			For Elevated Installation >20' To 25', Add	29.79	
			For Elevated Installation >25' To 30', Add	41.71	
			For Elevated Installation >30' To 35', Add	47.66	
			For Elevated Installation >35' To 40', Add	59.58	
			For Elevated Installation >40', Add	65.54	
			For 10" WG (Class A), Add	54.81	

23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)

23 31 13 16-0039	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	19.47	6.91
			For 3" WG (Class B), Add	2.60	
			For 4" Or 6" WG (Class A), Add	6.92	
			For 28 Gauge, Deduct	-0.30	
			For 24 Gauge, Add	0.30	
			For 22 Gauge, Add	0.60	
			For 20 Gauge, Add	0.90	
			For 18 Gauge, Add	1.19	
			For 16 Gauge, Add	1.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.61	
			For Work In Restricted Working Space, Add	5.19	
			For Elevated Installation >10' To 15', Add	1.73	
			For Elevated Installation >15' To 20', Add	3.46	
			For Elevated Installation >20' To 25', Add	4.33	
			For Elevated Installation >25' To 30', Add	6.06	
			For Elevated Installation >30' To 35', Add	6.92	
			For Elevated Installation >35' To 40', Add	8.65	
			For Elevated Installation >40', Add	9.52	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	22.55	7.92
			For 3" WG (Class B), Add	2.97	
			For 4" Or 6" WG (Class A), Add	7.91	
			For 28 Gauge, Deduct	-0.39	
			For 24 Gauge, Add	0.38	
			For 22 Gauge, Add	0.77	
			For 20 Gauge, Add	1.15	
			For 18 Gauge, Add	1.53	
			For 16 Gauge, Add	1.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.06	
			For Work In Restricted Working Space, Add	5.93	
			For Elevated Installation >10' To 15', Add	1.98	
			For Elevated Installation >15' To 20', Add	3.95	
			For Elevated Installation >20' To 25', Add	4.94	
			For Elevated Installation >25' To 30', Add	6.92	
			For Elevated Installation >30' To 35', Add	7.91	
			For Elevated Installation >35' To 40', Add	9.89	
			For Elevated Installation >40', Add	10.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



WE FINANCE, BUILD AND DELIVER.

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0041	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	26.11	9.23
		For 3" WG (Class B), Add	3.46	
		For 4" Or 6" WG (Class A), Add	9.23	
		For 28 Gauge, Deduct	-0.42	
		For 24 Gauge, Add	0.42	
		For 22 Gauge, Add	0.84	
		For 20 Gauge, Add	1.26	
		For 18 Gauge, Add	1.67	
		For 16 Gauge, Add	2.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.25	
		For Work In Restricted Working Space, Add	6.92	
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.61	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.07	
		For Elevated Installation >30' To 35', Add	9.23	
		For Elevated Installation >35' To 40', Add	11.54	
		For Elevated Installation >40', Add	12.69	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	31.20	11.07
		For 3" WG (Class B), Add	4.15	
		For 4" Or 6" WG (Class A), Add	11.07	
		For 28 Gauge, Deduct	-0.49	
		For 24 Gauge, Add	0.49	
		For 22 Gauge, Add	0.97	
		For 20 Gauge, Add	1.46	
		For 18 Gauge, Add	1.94	
		For 16 Gauge, Add	2.38	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.60	
		For Work In Restricted Working Space, Add	8.30	
		For Elevated Installation >10' To 15', Add	2.77	
		For Elevated Installation >15' To 20', Add	5.54	
		For Elevated Installation >20' To 25', Add	6.92	
		For Elevated Installation >25' To 30', Add	9.69	
		For Elevated Installation >30' To 35', Add	11.07	
		For Elevated Installation >35' To 40', Add	13.84	
		For Elevated Installation >40', Add	15.22	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	38.59	13.84
		For 3" WG (Class B), Add	5.19	
		For 4" Or 6" WG (Class A), Add	13.84	
		For 28 Gauge, Deduct	-0.55	
		For 24 Gauge, Add	0.55	
		For 22 Gauge, Add	1.10	
		For 20 Gauge, Add	1.66	
		For 18 Gauge, Add	2.20	
		For 16 Gauge, Add	2.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.96	
		For Work In Restricted Working Space, Add	10.38	
		For Elevated Installation >10' To 15', Add	3.46	
		For Elevated Installation >15' To 20', Add	6.92	
		For Elevated Installation >20' To 25', Add	8.65	
		For Elevated Installation >25' To 30', Add	12.11	
		For Elevated Installation >30' To 35', Add	13.84	
		For Elevated Installation >35' To 40', Add	17.30	
		For Elevated Installation >40', Add	19.02	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	52.24	18.45
		For 3" WG (Class B), Add	6.92	
		For 4" Or 6" WG (Class A), Add	18.45	
		For 28 Gauge, Deduct	-0.85	
		For 24 Gauge, Add	0.84	
		For 22 Gauge, Add	1.68	
		For 20 Gauge, Add	2.53	
		For 18 Gauge, Add	3.36	
		For 16 Gauge, Add	4.12	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.52	
		For Work In Restricted Working Space, Add	13.84	
		For Elevated Installation >10' To 15', Add	4.61	
		For Elevated Installation >15' To 20', Add	9.23	
		For Elevated Installation >20' To 25', Add	11.53	
		For Elevated Installation >25' To 30', Add	16.15	
		For Elevated Installation >30' To 35', Add	18.45	
		For Elevated Installation >35' To 40', Add	23.07	
		For Elevated Installation >40', Add	25.37	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	77.05		27.68
		For 3" WG (Class B), Add	10.38		
		For 4" Or 6" WG (Class A), Add	27.68		
		For 28 Gauge, Deduct	-1.09		
		For 24 Gauge, Add	1.08		
		For 22 Gauge, Add	2.17		
		For 20 Gauge, Add	3.25		
		For 18 Gauge, Add	4.32		
		For 16 Gauge, Add	5.31		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.82		
		For Work In Restricted Working Space, Add	20.76		
		For Elevated Installation >10' To 15', Add	6.92		
		For Elevated Installation >15' To 20', Add	13.84		
		For Elevated Installation >20' To 25', Add	17.30		
		For Elevated Installation >25' To 30', Add	24.22		
		For Elevated Installation >30' To 35', Add	27.68		
		For Elevated Installation >35' To 40', Add	34.60		
		For Elevated Installation >40', Add	38.05		
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	102.02		35.36
		For 3" WG (Class B), Add	13.26		
		For 4" Or 6" WG (Class A), Add	35.36		
		For 28 Gauge, Deduct	-1.88		
		For 24 Gauge, Add	1.88		
		For 22 Gauge, Add	3.75		
		For 20 Gauge, Add	5.63		
		For 18 Gauge, Add	7.49		
		For 16 Gauge, Add	9.19		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.07		
		For Work In Restricted Working Space, Add	26.52		
		For Elevated Installation >10' To 15', Add	8.84		
		For Elevated Installation >15' To 20', Add	17.68		
		For Elevated Installation >20' To 25', Add	22.10		
		For Elevated Installation >25' To 30', Add	30.94		
		For Elevated Installation >30' To 35', Add	35.36		
		For Elevated Installation >35' To 40', Add	44.21		
		For Elevated Installation >40', Add	48.63		
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	133.79		44.59
		For 3" WG (Class B), Add	16.72		
		For 4" Or 6" WG (Class A), Add	44.59		
		For 28 Gauge, Deduct	-3.09		
		For 24 Gauge, Add	3.08		
		For 22 Gauge, Add	6.15		
		For 20 Gauge, Add	9.24		
		For 18 Gauge, Add	12.28		
		For 16 Gauge, Add	15.07		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.52		
		For Work In Restricted Working Space, Add	33.44		
		For Elevated Installation >10' To 15', Add	11.15		
		For Elevated Installation >15' To 20', Add	22.29		
		For Elevated Installation >20' To 25', Add	27.87		
		For Elevated Installation >25' To 30', Add	39.01		
		For Elevated Installation >30' To 35', Add	44.59		
		For Elevated Installation >35' To 40', Add	55.74		
		For Elevated Installation >40', Add	61.31		
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	143.07		46.51
		For 3" WG (Class B), Add	17.41		
		For 4" Or 6" WG (Class A), Add	46.44		
		For 28 Gauge, Deduct	-3.74		
		For 24 Gauge, Add	3.72		
		For 22 Gauge, Add	7.43		
		For 20 Gauge, Add	11.17		
		For 18 Gauge, Add	14.84		
		For 16 Gauge, Add	18.21		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.97		
		For Work In Restricted Working Space, Add	34.83		
		For Elevated Installation >10' To 15', Add	11.61		
		For Elevated Installation >15' To 20', Add	23.22		
		For Elevated Installation >20' To 25', Add	29.02		
		For Elevated Installation >25' To 30', Add	40.63		
		For Elevated Installation >30' To 35', Add	46.44		
		For Elevated Installation >35' To 40', Add	58.05		
		For Elevated Installation >40', Add	63.85		
		For 10" WG (Class A), Add	53.40		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	153.72	47.66
		For 3" WG (Class B), Add	17.87	
		For 4" Or 6" WG (Class A), Add	47.66	
		For 28 Gauge, Deduct	-4.79	
		For 24 Gauge, Add	4.77	
		For 22 Gauge, Add	9.52	
		For 20 Gauge, Add	14.31	
		For 18 Gauge, Add	19.01	
		For 16 Gauge, Add	23.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.57	
		For Work In Restricted Working Space, Add	35.75	
		For Elevated Installation >10' To 15', Add	11.92	
		For Elevated Installation >15' To 20', Add	23.83	
		For Elevated Installation >20' To 25', Add	29.79	
		For Elevated Installation >25' To 30', Add	41.71	
		For Elevated Installation >30' To 35', Add	47.66	
		For Elevated Installation >35' To 40', Add	59.58	
		For Elevated Installation >40', Add	65.54	
		For 10" WG (Class A), Add	54.81	
23 31 13 16-0050		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees <small>(23 31 13 16-0001)</small>		
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	30.78	10.38
		For 3" WG (Class B), Add	3.89	
		For 4" Or 6" WG (Class A), Add	10.38	
		For 28 Gauge, Deduct	-0.67	
		For 24 Gauge, Add	0.67	
		For 22 Gauge, Add	1.33	
		For 20 Gauge, Add	2.00	
		For 18 Gauge, Add	2.66	
		For 16 Gauge, Add	3.26	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.57	
		For Work In Restricted Working Space, Add	7.79	
		For Elevated Installation >10' To 15', Add	2.60	
		For Elevated Installation >15' To 20', Add	5.19	
		For Elevated Installation >20' To 25', Add	6.49	
		For Elevated Installation >25' To 30', Add	9.08	
		For Elevated Installation >30' To 35', Add	10.38	
		For Elevated Installation >35' To 40', Add	12.98	
		For Elevated Installation >40', Add	14.27	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	36.07	11.84
		For 3" WG (Class B), Add	4.45	
		For 4" Or 6" WG (Class A), Add	11.86	
		For 28 Gauge, Deduct	-0.89	
		For 24 Gauge, Add	0.88	
		For 22 Gauge, Add	1.77	
		For 20 Gauge, Add	2.65	
		For 18 Gauge, Add	3.53	
		For 16 Gauge, Add	4.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.74	
		For Work In Restricted Working Space, Add	8.90	
		For Elevated Installation >10' To 15', Add	2.97	
		For Elevated Installation >15' To 20', Add	5.93	
		For Elevated Installation >20' To 25', Add	7.42	
		For Elevated Installation >25' To 30', Add	10.38	
		For Elevated Installation >30' To 35', Add	11.86	
		For Elevated Installation >35' To 40', Add	14.83	
		For Elevated Installation >40', Add	16.31	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	41.55	13.84
		For 3" WG (Class B), Add	5.19	
		For 4" Or 6" WG (Class A), Add	13.84	
		For 28 Gauge, Deduct	-0.96	
		For 24 Gauge, Add	0.96	
		For 22 Gauge, Add	1.92	
		For 20 Gauge, Add	2.88	
		For 18 Gauge, Add	3.83	
		For 16 Gauge, Add	4.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.15	
		For Work In Restricted Working Space, Add	10.38	
		For Elevated Installation >10' To 15', Add	3.46	
		For Elevated Installation >15' To 20', Add	6.92	
		For Elevated Installation >20' To 25', Add	8.65	
		For Elevated Installation >25' To 30', Add	12.11	
		For Elevated Installation >30' To 35', Add	13.84	
		For Elevated Installation >35' To 40', Add	17.30	
		For Elevated Installation >40', Add	19.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0054	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	49.52	16.61
			For 3" WG (Class B), Add	6.23	
			For 4" Or 6" WG (Class A), Add	16.60	
			For 28 Gauge, Deduct	-1.11	
			For 24 Gauge, Add	1.11	
			For 22 Gauge, Add	2.21	
			For 20 Gauge, Add	3.32	
			For 18 Gauge, Add	4.41	
			For 16 Gauge, Add	5.41	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.93	
			For Work In Restricted Working Space, Add	12.45	
			For Elevated Installation >10' To 15', Add	4.15	
			For Elevated Installation >15' To 20', Add	8.30	
			For Elevated Installation >20' To 25', Add	10.38	
			For Elevated Installation >25' To 30', Add	14.53	
			For Elevated Installation >30' To 35', Add	16.60	
			For Elevated Installation >35' To 40', Add	20.76	
			For Elevated Installation >40', Add	22.83	
23 31 13 16-0055	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	64.84	20.75
			For 3" WG (Class B), Add	7.79	
			For 4" Or 6" WG (Class A), Add	20.76	
			For 28 Gauge, Deduct	-1.79	
			For 24 Gauge, Add	1.79	
			For 22 Gauge, Add	3.56	
			For 20 Gauge, Add	5.36	
			For 18 Gauge, Add	7.12	
			For 16 Gauge, Add	8.73	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.58	
			For Work In Restricted Working Space, Add	15.57	
			For Elevated Installation >10' To 15', Add	5.19	
			For Elevated Installation >15' To 20', Add	10.38	
			For Elevated Installation >20' To 25', Add	12.98	
			For Elevated Installation >25' To 30', Add	18.17	
			For Elevated Installation >30' To 35', Add	20.76	
			For Elevated Installation >35' To 40', Add	25.95	
			For Elevated Installation >40', Add	28.55	
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	85.70	27.68
			For 3" WG (Class B), Add	10.38	
			For 4" Or 6" WG (Class A), Add	27.68	
			For 28 Gauge, Deduct	-2.29	
			For 24 Gauge, Add	2.28	
			For 22 Gauge, Add	4.55	
			For 20 Gauge, Add	6.84	
			For 18 Gauge, Add	9.08	
			For 16 Gauge, Add	11.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
			For Work In Restricted Working Space, Add	20.76	
			For Elevated Installation >10' To 15', Add	6.92	
			For Elevated Installation >15' To 20', Add	13.84	
			For Elevated Installation >20' To 25', Add	17.30	
			For Elevated Installation >25' To 30', Add	24.22	
			For Elevated Installation >30' To 35', Add	27.68	
			For Elevated Installation >35' To 40', Add	34.60	
			For Elevated Installation >40', Add	38.05	
23 31 13 16-0057	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	120.28	41.52
			For 3" WG (Class B), Add	15.57	
			For 4" Or 6" WG (Class A), Add	41.51	
			For 28 Gauge, Deduct	-2.29	
			For 24 Gauge, Add	2.28	
			For 22 Gauge, Add	4.55	
			For 20 Gauge, Add	6.84	
			For 18 Gauge, Add	9.08	
			For 16 Gauge, Add	11.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.22	
			For Work In Restricted Working Space, Add	31.13	
			For Elevated Installation >10' To 15', Add	10.38	
			For Elevated Installation >15' To 20', Add	20.75	
			For Elevated Installation >20' To 25', Add	25.94	
			For Elevated Installation >25' To 30', Add	36.32	
			For Elevated Installation >30' To 35', Add	41.51	
			For Elevated Installation >35' To 40', Add	51.89	
			For Elevated Installation >40', Add	57.07	
23 31 13 16-0058	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	164.00	52.89
			For 3" WG (Class B), Add	19.88	
			For 4" Or 6" WG (Class A), Add	53.02	
			For 28 Gauge, Deduct	-4.36	
			For 24 Gauge, Add	4.34	
			For 22 Gauge, Add	8.66	
			For 20 Gauge, Add	13.02	
			For 18 Gauge, Add	17.30	
			For 16 Gauge, Add	21.23	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.27	
			For Work In Restricted Working Space, Add	39.77	
			For Elevated Installation >10' To 15', Add	13.26	
			For Elevated Installation >15' To 20', Add	26.51	
			For Elevated Installation >20' To 25', Add	33.14	
			For Elevated Installation >25' To 30', Add	46.39	
			For Elevated Installation >30' To 35', Add	53.02	
			For Elevated Installation >35' To 40', Add	66.28	
			For Elevated Installation >40', Add	72.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0059	EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	211.28	67.04
	For 3" WG (Class B), Add	25.07	
	For 4" Or 6" WG (Class A), Add	66.85	
	For 28 Gauge, Deduct	-6.11	
	For 24 Gauge, Add	6.09	
	For 22 Gauge, Add	12.16	
	For 20 Gauge, Add	18.28	
	For 18 Gauge, Add	24.28	
	For 16 Gauge, Add	29.80	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.67	
	For Work In Restricted Working Space, Add	50.14	
	For Elevated Installation >10' To 15', Add	16.71	
	For Elevated Installation >15' To 20', Add	33.43	
	For Elevated Installation >20' To 25', Add	41.78	
	For Elevated Installation >25' To 30', Add	58.50	
	For Elevated Installation >30' To 35', Add	66.85	
	For Elevated Installation >35' To 40', Add	83.57	
	For Elevated Installation >40', Add	91.92	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	243.06	74.57
	For 3" WG (Class B), Add	28.02	
	For 4" Or 6" WG (Class A), Add	74.72	
	For 28 Gauge, Deduct	-7.79	
	For 24 Gauge, Add	7.76	
	For 22 Gauge, Add	15.50	
	For 20 Gauge, Add	23.29	
	For 18 Gauge, Add	30.94	
	For 16 Gauge, Add	37.97	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.63	
	For Work In Restricted Working Space, Add	56.04	
	For Elevated Installation >10' To 15', Add	18.68	
	For Elevated Installation >15' To 20', Add	37.36	
	For Elevated Installation >20' To 25', Add	46.70	
	For Elevated Installation >25' To 30', Add	65.38	
	For Elevated Installation >30' To 35', Add	74.72	
	For Elevated Installation >35' To 40', Add	93.41	
	For Elevated Installation >40', Add	102.75	
	For 10" WG (Class A), Add	85.93	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	255.39	77.26
	For 3" WG (Class B), Add	28.95	
	For 4" Or 6" WG (Class A), Add	77.19	
	For 28 Gauge, Deduct	-8.65	
	For 24 Gauge, Add	8.61	
	For 22 Gauge, Add	17.20	
	For 20 Gauge, Add	25.84	
	For 18 Gauge, Add	34.33	
	For 16 Gauge, Add	42.13	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.19	
	For Work In Restricted Working Space, Add	57.89	
	For Elevated Installation >10' To 15', Add	19.30	
	For Elevated Installation >15' To 20', Add	38.59	
	For Elevated Installation >20' To 25', Add	48.24	
	For Elevated Installation >25' To 30', Add	67.54	
	For Elevated Installation >30' To 35', Add	77.19	
	For Elevated Installation >35' To 40', Add	96.49	
	For Elevated Installation >40', Add	106.13	
	For 10" WG (Class A), Add	88.77	
23 31 13 16-0062	2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors <small>(23 31 13 16-0001)</small>		
23 31 13 16-0063	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	13.92	
	For 3" WG (Class B), Add	1.85	
	For 4" Or 6" WG (Class A), Add	4.92	
	For Work In Restricted Working Space, Add	3.69	
	For Elevated Installation >10' To 15', Add	1.23	
	For Elevated Installation >15' To 20', Add	2.46	
	For Elevated Installation >20' To 25', Add	3.08	
	For Elevated Installation >25' To 30', Add	4.31	
	For Elevated Installation >30' To 35', Add	4.92	
	For Elevated Installation >35' To 40', Add	6.15	
	For Elevated Installation >40', Add	6.77	
23 31 13 16-0064	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	14.67	
	For 3" WG (Class B), Add	1.94	
	For 4" Or 6" WG (Class A), Add	5.17	
	For Work In Restricted Working Space, Add	3.88	
	For Elevated Installation >10' To 15', Add	1.29	
	For Elevated Installation >15' To 20', Add	2.59	
	For Elevated Installation >20' To 25', Add	3.23	
	For Elevated Installation >25' To 30', Add	4.53	
	For Elevated Installation >30' To 35', Add	5.17	
	For Elevated Installation >35' To 40', Add	6.47	
	For Elevated Installation >40', Add	7.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0065	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 15.72		
			For 3" WG (Class B), Add	2.08	
			For 4" Or 6" WG (Class A), Add	5.54	
			For Work In Restricted Working Space, Add	4.15	
			For Elevated Installation >10' To 15', Add	1.38	
			For Elevated Installation >15' To 20', Add	2.77	
			For Elevated Installation >20' To 25', Add	3.46	
			For Elevated Installation >25' To 30', Add	4.84	
			For Elevated Installation >30' To 35', Add	5.54	
			For Elevated Installation >35' To 40', Add	6.92	
			For Elevated Installation >40', Add	7.61	
23 31 13 16-0066	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 16.75		
			For 3" WG (Class B), Add	2.19	
			For 4" Or 6" WG (Class A), Add	5.84	
			For Work In Restricted Working Space, Add	4.38	
			For Elevated Installation >10' To 15', Add	1.46	
			For Elevated Installation >15' To 20', Add	2.92	
			For Elevated Installation >20' To 25', Add	3.65	
			For Elevated Installation >25' To 30', Add	5.11	
			For Elevated Installation >30' To 35', Add	5.84	
			For Elevated Installation >35' To 40', Add	7.31	
			For Elevated Installation >40', Add	8.04	
23 31 13 16-0067	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 18.18		
			For 3" WG (Class B), Add	2.36	
			For 4" Or 6" WG (Class A), Add	6.30	
			For Work In Restricted Working Space, Add	4.73	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.15	
			For Elevated Installation >20' To 25', Add	3.94	
			For Elevated Installation >25' To 30', Add	5.52	
			For Elevated Installation >30' To 35', Add	6.30	
			For Elevated Installation >35' To 40', Add	7.88	
			For Elevated Installation >40', Add	8.67	
23 31 13 16-0068	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 21.42		
			For 3" WG (Class B), Add	2.64	
			For 4" Or 6" WG (Class A), Add	7.04	
			For Work In Restricted Working Space, Add	5.28	
			For Elevated Installation >10' To 15', Add	1.76	
			For Elevated Installation >15' To 20', Add	3.52	
			For Elevated Installation >20' To 25', Add	4.40	
			For Elevated Installation >25' To 30', Add	6.16	
			For Elevated Installation >30' To 35', Add	7.04	
			For Elevated Installation >35' To 40', Add	8.81	
			For Elevated Installation >40', Add	9.69	
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 29.21		
			For 3" WG (Class B), Add	3.69	
			For 4" Or 6" WG (Class A), Add	9.84	
			For Work In Restricted Working Space, Add	7.38	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.92	
			For Elevated Installation >20' To 25', Add	6.15	
			For Elevated Installation >25' To 30', Add	8.61	
			For Elevated Installation >30' To 35', Add	9.84	
			For Elevated Installation >35' To 40', Add	12.31	
			For Elevated Installation >40', Add	13.54	
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 33.34		
			For 3" WG (Class B), Add	4.20	
			For 4" Or 6" WG (Class A), Add	11.20	
			For Work In Restricted Working Space, Add	8.40	
			For Elevated Installation >10' To 15', Add	2.80	
			For Elevated Installation >15' To 20', Add	5.60	
			For Elevated Installation >20' To 25', Add	7.00	
			For Elevated Installation >25' To 30', Add	9.80	
			For Elevated Installation >30' To 35', Add	11.20	
			For Elevated Installation >35' To 40', Add	14.00	
			For Elevated Installation >40', Add	15.39	
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 36.67		
			For 3" WG (Class B), Add	4.60	
			For 4" Or 6" WG (Class A), Add	12.27	
			For Work In Restricted Working Space, Add	9.20	
			For Elevated Installation >10' To 15', Add	3.07	
			For Elevated Installation >15' To 20', Add	6.14	
			For Elevated Installation >20' To 25', Add	7.67	
			For Elevated Installation >25' To 30', Add	10.74	
			For Elevated Installation >30' To 35', Add	12.27	
			For Elevated Installation >35' To 40', Add	15.34	
			For Elevated Installation >40', Add	16.87	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector 39.90		
			For 3" WG (Class B), Add	4.98	
			For 4" Or 6" WG (Class A), Add	13.28	
			For Work In Restricted Working Space, Add	9.96	
			For Elevated Installation >10' To 15', Add	3.32	
			For Elevated Installation >15' To 20', Add	6.64	
			For Elevated Installation >20' To 25', Add	8.30	
			For Elevated Installation >25' To 30', Add	11.62	
			For Elevated Installation >30' To 35', Add	13.28	
			For Elevated Installation >35' To 40', Add	16.61	
			For Elevated Installation >40', Add	18.27	
			For 10" WG (Class A), Add	15.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts and Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0073	EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	43.47	
	For 3" WG (Class B), Add	5.43	
	For 4" Or 6" WG (Class A), Add	14.48	
	For Work In Restricted Working Space, Add	10.86	
	For Elevated Installation >10' To 15', Add	3.62	
	For Elevated Installation >15' To 20', Add	7.24	
	For Elevated Installation >20' To 25', Add	9.05	
	For Elevated Installation >25' To 30', Add	12.67	
	For Elevated Installation >30' To 35', Add	14.48	
	For Elevated Installation >35' To 40', Add	18.11	
	For Elevated Installation >40', Add	19.92	
	For 10" WG (Class A), Add	16.66	
23 31 13 16-0074	Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075	Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	5.29	0.71
	For 3" WG (Class B), Add	0.57	
	For 4" Or 6" WG (Class A), Add	1.52	
	For 24 Gauge, Add	0.30	
	For 22 Gauge, Add	0.68	
	For 20 Gauge, Add	1.11	
	For 18 Gauge, Add	1.70	
	For 16 Gauge, Add	2.07	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.10	
	For Work In Restricted Working Space, Add	1.14	
23 31 13 16-0077	LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	6.71	1.43
	For 3" WG (Class B), Add	0.69	
	For 4" Or 6" WG (Class A), Add	1.83	
	For 24 Gauge, Add	0.43	
	For 22 Gauge, Add	0.98	
	For 20 Gauge, Add	1.61	
	For 18 Gauge, Add	2.46	
	For 16 Gauge, Add	3.00	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58	
	For Work In Restricted Working Space, Add	1.37	
23 31 13 16-0078	LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	8.49	1.43
	For 3" WG (Class B), Add	0.85	
	For 4" Or 6" WG (Class A), Add	2.27	
	For 24 Gauge, Add	0.56	
	For 22 Gauge, Add	1.30	
	For 20 Gauge, Add	2.12	
	For 18 Gauge, Add	3.24	
	For 16 Gauge, Add	3.95	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.09	
	For Work In Restricted Working Space, Add	1.70	
23 31 13 16-0079	LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	10.30	1.43
	For 3" WG (Class B), Add	1.02	
	For 4" Or 6" WG (Class A), Add	2.73	
	For 24 Gauge, Add	0.70	
	For 22 Gauge, Add	1.60	
	For 20 Gauge, Add	2.61	
	For 18 Gauge, Add	4.00	
	For 16 Gauge, Add	4.87	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.58	
	For Work In Restricted Working Space, Add	2.05	
23 31 13 16-0080	LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	12.82	2.13
	For 3" WG (Class B), Add	1.28	
	For 4" Or 6" WG (Class A), Add	3.42	
	For 24 Gauge, Add	0.86	
	For 22 Gauge, Add	1.97	
	For 20 Gauge, Add	3.21	
	For 18 Gauge, Add	4.92	
	For 16 Gauge, Add	5.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
	For Work In Restricted Working Space, Add	2.56	
23 31 13 16-0081	LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	15.64	2.13
	For 3" WG (Class B), Add	1.60	
	For 4" Or 6" WG (Class A), Add	4.27	
	For 24 Gauge, Add	0.99	
	For 22 Gauge, Add	2.28	
	For 20 Gauge, Add	3.72	
	For 18 Gauge, Add	5.70	
	For 16 Gauge, Add	6.94	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.67	
	For Work In Restricted Working Space, Add	3.20	
23 31 13 16-0082	LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	21.41	2.13
	For 3" WG (Class B), Add	2.13	
	For 4" Or 6" WG (Class A), Add	5.68	
	For 24 Gauge, Add	1.44	
	For 22 Gauge, Add	3.31	
	For 20 Gauge, Add	5.40	
	For 18 Gauge, Add	8.28	
	For 16 Gauge, Add	10.08	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.33	
	For Work In Restricted Working Space, Add	4.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0083	LF		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	24.56	2.84
			For 3" WG (Class B), Add	2.49	
			For 4" Or 6" WG (Class A), Add	6.63	
			For 24 Gauge, Add	1.60	
			For 22 Gauge, Add	3.68	
			For 20 Gauge, Add	5.99	
			For 18 Gauge, Add	9.19	
			For 16 Gauge, Add	11.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.91	
			For Work In Restricted Working Space, Add	4.97	
23 31 13 16-0084	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	27.72	2.84
			For 3" WG (Class B), Add	2.82	
			For 4" Or 6" WG (Class A), Add	7.52	
			For 24 Gauge, Add	1.78	
			For 22 Gauge, Add	4.10	
			For 20 Gauge, Add	6.68	
			For 18 Gauge, Add	10.25	
			For 16 Gauge, Add	12.47	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
			For Work In Restricted Working Space, Add	5.64	
23 31 13 16-0085	LF		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	31.04	3.56
			For 3" WG (Class B), Add	3.18	
			For 4" Or 6" WG (Class A), Add	8.48	
			For 24 Gauge, Add	1.97	
			For 22 Gauge, Add	4.53	
			For 20 Gauge, Add	7.39	
			For 18 Gauge, Add	11.33	
			For 16 Gauge, Add	13.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.29	
			For Work In Restricted Working Space, Add	6.36	
23 31 13 16-0086	LF		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct	34.42	4.27
			For 3" WG (Class B), Add	3.56	
			For 4" Or 6" WG (Class A), Add	9.49	
			For 24 Gauge, Add	2.14	
			For 22 Gauge, Add	4.92	
			For 20 Gauge, Add	8.03	
			For 18 Gauge, Add	12.31	
			For 16 Gauge, Add	14.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.92	
			For Work In Restricted Working Space, Add	7.12	
23 31 13 16-0087			Slip Joint, Galvanized, Spiral 90 Degree Elbows <small>(23 31 13 16-0074)</small>		
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	46.97	9.96
			For 3" WG (Class B), Add	5.77	
			For 4" Or 6" WG (Class A), Add	15.38	
			For 24 Gauge, Add	1.70	
			For 22 Gauge, Add	3.91	
			For 20 Gauge, Add	6.38	
			For 18 Gauge, Add	9.79	
			For 16 Gauge, Add	11.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
			For Work In Restricted Working Space, Add	11.54	
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	69.01	14.23
			For 3" WG (Class B), Add	8.54	
			For 4" Or 6" WG (Class A), Add	22.77	
			For 24 Gauge, Add	2.42	
			For 22 Gauge, Add	5.56	
			For 20 Gauge, Add	9.06	
			For 18 Gauge, Add	13.89	
			For 16 Gauge, Add	16.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
			For Work In Restricted Working Space, Add	17.08	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	97.95	18.50
			For 3" WG (Class B), Add	11.24	
			For 4" Or 6" WG (Class A), Add	29.96	
			For 24 Gauge, Add	4.61	
			For 22 Gauge, Add	10.60	
			For 20 Gauge, Add	17.28	
			For 18 Gauge, Add	26.50	
			For 16 Gauge, Add	32.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
			For Work In Restricted Working Space, Add	22.47	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	122.01	23.49
			For 3" WG (Class B), Add	14.23	
			For 4" Or 6" WG (Class A), Add	37.95	
			For 24 Gauge, Add	5.43	
			For 22 Gauge, Add	12.48	
			For 20 Gauge, Add	20.35	
			For 18 Gauge, Add	31.20	
			For 16 Gauge, Add	37.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
			For Work In Restricted Working Space, Add	28.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0092	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	150.46	29.89
		For 3" WG (Class B), Add	17.79	
		For 4" Or 6" WG (Class A), Add	47.44	
		For 24 Gauge, Add	6.37	
		For 22 Gauge, Add	14.66	
		For 20 Gauge, Add	23.90	
		For 18 Gauge, Add	36.64	
		For 16 Gauge, Add	44.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
		For Work In Restricted Working Space, Add	35.58	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	164.84	32.73
		For 3" WG (Class B), Add	19.41	
		For 4" Or 6" WG (Class A), Add	51.75	
		For 24 Gauge, Add	7.09	
		For 22 Gauge, Add	16.31	
		For 20 Gauge, Add	26.60	
		For 18 Gauge, Add	40.78	
		For 16 Gauge, Add	49.64	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
		For Work In Restricted Working Space, Add	38.81	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	194.54	38.42
		For 3" WG (Class B), Add	22.96	
		For 4" Or 6" WG (Class A), Add	61.22	
		For 24 Gauge, Add	8.30	
		For 22 Gauge, Add	19.09	
		For 20 Gauge, Add	31.13	
		For 18 Gauge, Add	47.73	
		For 16 Gauge, Add	58.10	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
		For Work In Restricted Working Space, Add	45.91	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	237.52	47.68
		For 3" WG (Class B), Add	28.46	
		For 4" Or 6" WG (Class A), Add	75.90	
		For 24 Gauge, Add	9.55	
		For 22 Gauge, Add	21.97	
		For 20 Gauge, Add	35.82	
		For 18 Gauge, Add	54.92	
		For 16 Gauge, Add	66.86	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
		For Work In Restricted Working Space, Add	56.93	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	285.92	57.64
		For 3" WG (Class B), Add	34.43	
		For 4" Or 6" WG (Class A), Add	91.82	
		For 24 Gauge, Add	11.27	
		For 22 Gauge, Add	25.93	
		For 20 Gauge, Add	42.28	
		For 18 Gauge, Add	64.83	
		For 16 Gauge, Add	78.92	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
		For Work In Restricted Working Space, Add	68.87	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	332.51	66.90
		For 3" WG (Class B), Add	40.28	
		For 4" Or 6" WG (Class A), Add	107.41	
		For 24 Gauge, Add	12.80	
		For 22 Gauge, Add	29.43	
		For 20 Gauge, Add	47.99	
		For 18 Gauge, Add	73.58	
		For 16 Gauge, Add	89.57	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
		For Work In Restricted Working Space, Add	80.56	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	381.77	76.14
		For 3" WG (Class B), Add	45.42	
		For 4" Or 6" WG (Class A), Add	121.12	
		For 24 Gauge, Add	15.79	
		For 22 Gauge, Add	36.32	
		For 20 Gauge, Add	59.22	
		For 18 Gauge, Add	90.80	
		For 16 Gauge, Add	110.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
		For Work In Restricted Working Space, Add	90.84	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	47.37	9.96
		For 3" WG (Class B), Add	5.77	
		For 4" Or 6" WG (Class A), Add	15.38	
		For 24 Gauge, Add	1.78	
		For 22 Gauge, Add	4.10	
		For 20 Gauge, Add	6.68	
		For 18 Gauge, Add	10.25	
		For 16 Gauge, Add	12.47	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
		For Work In Restricted Working Space, Add	11.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0101	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	66.94	14.23
			For 3" WG (Class B), Add	8.54	
			For 4" Or 6" WG (Class A), Add	22.77	
			For 24 Gauge, Add	2.00	
			For 22 Gauge, Add	4.60	
			For 20 Gauge, Add	7.51	
			For 18 Gauge, Add	11.51	
			For 16 Gauge, Add	14.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
			For Work In Restricted Working Space, Add	17.08	
23 31 13 16-0102	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	88.33	18.50
			For 3" WG (Class B), Add	11.24	
			For 4" Or 6" WG (Class A), Add	29.96	
			For 24 Gauge, Add	2.68	
			For 22 Gauge, Add	6.17	
			For 20 Gauge, Add	10.07	
			For 18 Gauge, Add	15.43	
			For 16 Gauge, Add	18.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93	
			For Work In Restricted Working Space, Add	22.47	
23 31 13 16-0103	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	111.66	23.49
			For 3" WG (Class B), Add	14.23	
			For 4" Or 6" WG (Class A), Add	37.95	
			For 24 Gauge, Add	3.36	
			For 22 Gauge, Add	7.72	
			For 20 Gauge, Add	12.59	
			For 18 Gauge, Add	19.30	
			For 16 Gauge, Add	23.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
			For Work In Restricted Working Space, Add	28.46	
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	138.10	29.89
			For 3" WG (Class B), Add	17.79	
			For 4" Or 6" WG (Class A), Add	47.44	
			For 24 Gauge, Add	3.90	
			For 22 Gauge, Add	8.97	
			For 20 Gauge, Add	14.63	
			For 18 Gauge, Add	22.43	
			For 16 Gauge, Add	27.30	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43	
			For Work In Restricted Working Space, Add	35.58	
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	151.06	32.73
			For 3" WG (Class B), Add	19.41	
			For 4" Or 6" WG (Class A), Add	51.75	
			For 24 Gauge, Add	4.34	
			For 22 Gauge, Add	9.97	
			For 20 Gauge, Add	16.26	
			For 18 Gauge, Add	24.93	
			For 16 Gauge, Add	30.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.04	
			For Work In Restricted Working Space, Add	38.81	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	188.57	38.42
			For 3" WG (Class B), Add	22.96	
			For 4" Or 6" WG (Class A), Add	61.22	
			For 24 Gauge, Add	7.11	
			For 22 Gauge, Add	16.34	
			For 20 Gauge, Add	26.65	
			For 18 Gauge, Add	40.86	
			For 16 Gauge, Add	49.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.29	
			For Work In Restricted Working Space, Add	45.91	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	233.29	47.68
			For 3" WG (Class B), Add	28.46	
			For 4" Or 6" WG (Class A), Add	75.90	
			For 24 Gauge, Add	8.71	
			For 22 Gauge, Add	20.02	
			For 20 Gauge, Add	32.65	
			For 18 Gauge, Add	50.06	
			For 16 Gauge, Add	60.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.21	
			For Work In Restricted Working Space, Add	56.93	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	284.63	57.64
			For 3" WG (Class B), Add	34.43	
			For 4" Or 6" WG (Class A), Add	91.82	
			For 24 Gauge, Add	11.02	
			For 22 Gauge, Add	25.34	
			For 20 Gauge, Add	41.31	
			For 18 Gauge, Add	63.34	
			For 16 Gauge, Add	77.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.76	
			For Work In Restricted Working Space, Add	68.87	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	317.83	66.90
			For 3" WG (Class B), Add	40.28	
			For 4" Or 6" WG (Class A), Add	107.41	
			For 24 Gauge, Add	9.86	
			For 22 Gauge, Add	22.68	
			For 20 Gauge, Add	36.98	
			For 18 Gauge, Add	56.70	
			For 16 Gauge, Add	69.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.48	
			For Work In Restricted Working Space, Add	80.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0110	EA	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	376.54	76.14
		<i>For 3" WG (Class B), Add</i>	45.42	
		<i>For 4" Or 6" WG (Class A), Add</i>	121.12	
		<i>For 24 Gauge, Add</i>	14.75	
		<i>For 22 Gauge, Add</i>	33.92	
		<i>For 20 Gauge, Add</i>	55.30	
		<i>For 18 Gauge, Add</i>	84.79	
		<i>For 16 Gauge, Add</i>	103.22	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	54.56	
		<i>For Work In Restricted Working Space, Add</i>	90.84	
23 31 13 16-0111		Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals <small>(23 31 13 16-0074)</small>		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	94.06	18.50
		<i>For 3" WG (Class B), Add</i>	11.24	
		<i>For 4" Or 6" WG (Class A), Add</i>	29.96	
		<i>For 24 Gauge, Add</i>	3.83	
		<i>For 22 Gauge, Add</i>	8.81	
		<i>For 20 Gauge, Add</i>	14.36	
		<i>For 18 Gauge, Add</i>	22.02	
		<i>For 16 Gauge, Add</i>	26.81	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.17	
		<i>For Work In Restricted Working Space, Add</i>	22.47	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	138.68	29.89
		<i>For 3" WG (Class B), Add</i>	17.79	
		<i>For 4" Or 6" WG (Class A), Add</i>	47.44	
		<i>For 24 Gauge, Add</i>	4.02	
		<i>For 22 Gauge, Add</i>	9.24	
		<i>For 20 Gauge, Add</i>	15.06	
		<i>For 18 Gauge, Add</i>	23.09	
		<i>For 16 Gauge, Add</i>	28.11	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.86	
		<i>For Work In Restricted Working Space, Add</i>	35.58	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	175.08	38.42
		<i>For 3" WG (Class B), Add</i>	22.96	
		<i>For 4" Or 6" WG (Class A), Add</i>	61.22	
		<i>For 24 Gauge, Add</i>	4.41	
		<i>For 22 Gauge, Add</i>	10.14	
		<i>For 20 Gauge, Add</i>	16.53	
		<i>For 18 Gauge, Add</i>	25.35	
		<i>For 16 Gauge, Add</i>	30.86	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.31	
		<i>For Work In Restricted Working Space, Add</i>	45.91	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	212.79	47.68
		<i>For 3" WG (Class B), Add</i>	28.46	
		<i>For 4" Or 6" WG (Class A), Add</i>	75.90	
		<i>For 24 Gauge, Add</i>	4.61	
		<i>For 22 Gauge, Add</i>	10.59	
		<i>For 20 Gauge, Add</i>	17.27	
		<i>For 18 Gauge, Add</i>	26.48	
		<i>For 16 Gauge, Add</i>	32.24	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.04	
		<i>For Work In Restricted Working Space, Add</i>	56.93	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	253.33	57.64
		<i>For 3" WG (Class B), Add</i>	34.43	
		<i>For 4" Or 6" WG (Class A), Add</i>	91.82	
		<i>For 24 Gauge, Add</i>	4.76	
		<i>For 22 Gauge, Add</i>	10.94	
		<i>For 20 Gauge, Add</i>	17.84	
		<i>For 18 Gauge, Add</i>	27.35	
		<i>For 16 Gauge, Add</i>	33.29	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.60	
		<i>For Work In Restricted Working Space, Add</i>	68.87	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	294.39	66.90
		<i>For 3" WG (Class B), Add</i>	40.28	
		<i>For 4" Or 6" WG (Class A), Add</i>	107.41	
		<i>For 24 Gauge, Add</i>	5.17	
		<i>For 22 Gauge, Add</i>	11.90	
		<i>For 20 Gauge, Add</i>	19.40	
		<i>For 18 Gauge, Add</i>	29.74	
		<i>For 16 Gauge, Add</i>	36.20	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.14	
		<i>For Work In Restricted Working Space, Add</i>	80.56	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	329.72	76.14
		<i>For 3" WG (Class B), Add</i>	45.42	
		<i>For 4" Or 6" WG (Class A), Add</i>	121.12	
		<i>For 24 Gauge, Add</i>	5.38	
		<i>For 22 Gauge, Add</i>	12.38	
		<i>For 20 Gauge, Add</i>	20.18	
		<i>For 18 Gauge, Add</i>	30.95	
		<i>For 16 Gauge, Add</i>	37.67	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.91	
		<i>For Work In Restricted Working Space, Add</i>	90.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0119	EA		20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	375.02	86.82
			For 3" WG (Class B), Add	52.07	
			For 4" Or 6" WG (Class A), Add	138.85	
			For 24 Gauge, Add	5.58	
			For 22 Gauge, Add	12.83	
			For 20 Gauge, Add	20.92	
			For 18 Gauge, Add	32.07	
			For 16 Gauge, Add	39.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64	
			For Work In Restricted Working Space, Add	104.14	
23 31 13 16-0120	EA		22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	418.21	96.07
			For 3" WG (Class B), Add	57.70	
			For 4" Or 6" WG (Class A), Add	153.86	
			For 24 Gauge, Add	6.71	
			For 22 Gauge, Add	15.44	
			For 20 Gauge, Add	25.17	
			For 18 Gauge, Add	38.59	
			For 16 Gauge, Add	46.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
			For Work In Restricted Working Space, Add	115.40	
23 31 13 16-0121	EA		24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	453.26	104.60
			For 3" WG (Class B), Add	62.79	
			For 4" Or 6" WG (Class A), Add	167.44	
			For 24 Gauge, Add	6.93	
			For 22 Gauge, Add	15.94	
			For 20 Gauge, Add	26.00	
			For 18 Gauge, Add	39.86	
			For 16 Gauge, Add	48.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
			For Work In Restricted Working Space, Add	125.58	
23 31 13 16-0122	EA		8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	145.88	32.23
			For 3" WG (Class B), Add	19.35	
			For 4" Or 6" WG (Class A), Add	51.60	
			For 24 Gauge, Add	3.37	
			For 22 Gauge, Add	7.76	
			For 20 Gauge, Add	12.65	
			For 18 Gauge, Add	19.40	
			For 16 Gauge, Add	23.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
			For Work In Restricted Working Space, Add	38.70	
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	176.40	38.78
			For 3" WG (Class B), Add	23.27	
			For 4" Or 6" WG (Class A), Add	62.04	
			For 24 Gauge, Add	4.26	
			For 22 Gauge, Add	9.80	
			For 20 Gauge, Add	15.98	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For Work In Restricted Working Space, Add	46.53	
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	214.31	47.11
			For 3" WG (Class B), Add	28.27	
			For 4" Or 6" WG (Class A), Add	75.38	
			For 24 Gauge, Add	5.17	
			For 22 Gauge, Add	11.89	
			For 20 Gauge, Add	19.39	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For Work In Restricted Working Space, Add	56.54	
23 31 13 16-0125	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	255.13	56.00
			For 3" WG (Class B), Add	33.65	
			For 4" Or 6" WG (Class A), Add	89.74	
			For 24 Gauge, Add	6.16	
			For 22 Gauge, Add	14.16	
			For 20 Gauge, Add	23.09	
			For 18 Gauge, Add	35.41	
			For 16 Gauge, Add	43.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
			For Work In Restricted Working Space, Add	67.30	
23 31 13 16-0126	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral	323.56	72.01
			For 3" WG (Class B), Add	43.18	
			For 4" Or 6" WG (Class A), Add	115.15	
			For 24 Gauge, Add	7.14	
			For 22 Gauge, Add	16.42	
			For 20 Gauge, Add	26.77	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For Work In Restricted Working Space, Add	86.36	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 16-0127	EA	18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	359.39	79.91
			For 3" WG (Class B), Add	47.91	
			For 4" Or 6" WG (Class A), Add	127.76	
			For 24 Gauge, Add	8.00	
			For 22 Gauge, Add	18.40	
			For 20 Gauge, Add	29.99	
			For 18 Gauge, Add	45.99	
			For 16 Gauge, Add	55.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
			For Work In Restricted Working Space, Add	95.82	
23 31	13 16-0128	EA	20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	408.58	90.95
			For 3" WG (Class B), Add	54.46	
			For 4" Or 6" WG (Class A), Add	145.22	
			For 24 Gauge, Add	9.10	
			For 22 Gauge, Add	20.94	
			For 20 Gauge, Add	34.14	
			For 18 Gauge, Add	52.35	
			For 16 Gauge, Add	63.73	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
			For Work In Restricted Working Space, Add	108.92	
23 31	13 16-0129	EA	22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	438.32	97.00
			For 3" WG (Class B), Add	58.14	
			For 4" Or 6" WG (Class A), Add	155.04	
			For 24 Gauge, Add	10.15	
			For 22 Gauge, Add	23.34	
			For 20 Gauge, Add	38.05	
			For 18 Gauge, Add	58.34	
			For 16 Gauge, Add	71.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
			For Work In Restricted Working Space, Add	116.28	
23 31	13 16-0130	EA	24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	475.54	105.18
			For 3" WG (Class B), Add	63.09	
			For 4" Or 6" WG (Class A), Add	168.23	
			For 24 Gauge, Add	10.99	
			For 22 Gauge, Add	25.29	
			For 20 Gauge, Add	41.23	
			For 18 Gauge, Add	63.22	
			For 16 Gauge, Add	76.96	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
			For Work In Restricted Working Space, Add	126.17	
23 31	13 16-0131	EA	10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	193.00	42.69
			For 3" WG (Class B), Add	25.59	
			For 4" Or 6" WG (Class A), Add	68.23	
			For 24 Gauge, Add	4.49	
			For 22 Gauge, Add	10.32	
			For 20 Gauge, Add	16.82	
			For 18 Gauge, Add	25.79	
			For 16 Gauge, Add	31.40	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
			For Work In Restricted Working Space, Add	51.17	
23 31	13 16-0132	EA	12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	234.54	51.95
			For 3" WG (Class B), Add	31.10	
			For 4" Or 6" WG (Class A), Add	82.94	
			For 24 Gauge, Add	5.44	
			For 22 Gauge, Add	12.51	
			For 20 Gauge, Add	20.40	
			For 18 Gauge, Add	31.28	
			For 16 Gauge, Add	38.08	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
			For Work In Restricted Working Space, Add	62.20	
23 31	13 16-0133	EA	14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	279.17	61.56
			For 3" WG (Class B), Add	37.01	
			For 4" Or 6" WG (Class A), Add	98.70	
			For 24 Gauge, Add	6.48	
			For 22 Gauge, Add	14.91	
			For 20 Gauge, Add	24.32	
			For 18 Gauge, Add	37.28	
			For 16 Gauge, Add	45.39	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
			For Work In Restricted Working Space, Add	74.03	
23 31	13 16-0134	EA	16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	324.05	71.73
			For 3" WG (Class B), Add	42.97	
			For 4" Or 6" WG (Class A), Add	114.59	
			For 24 Gauge, Add	7.51	
			For 22 Gauge, Add	17.28	
			For 20 Gauge, Add	28.18	
			For 18 Gauge, Add	43.21	
			For 16 Gauge, Add	52.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
			For Work In Restricted Working Space, Add	85.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0135	EA		18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	362.63	80.20
			Lateral		
			For 3" WG (Class B), Add	48.08	
			For 4" Or 6" WG (Class A), Add	128.22	
			For 24 Gauge, Add	8.42	
			For 22 Gauge, Add	19.36	
			For 20 Gauge, Add	31.57	
			For 18 Gauge, Add	48.40	
			For 16 Gauge, Add	58.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
			For Work In Restricted Working Space, Add	96.16	
23 31 13 16-0136	EA		20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	412.47	91.23
			Lateral		
			For 3" WG (Class B), Add	54.68	
			For 4" Or 6" WG (Class A), Add	145.82	
			For 24 Gauge, Add	9.58	
			For 22 Gauge, Add	22.04	
			For 20 Gauge, Add	35.93	
			For 18 Gauge, Add	55.10	
			For 16 Gauge, Add	67.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
			For Work In Restricted Working Space, Add	109.37	
23 31 13 16-0137	EA		22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	460.50	101.76
			Lateral		
			For 3" WG (Class B), Add	61.07	
			For 4" Or 6" WG (Class A), Add	162.84	
			For 24 Gauge, Add	10.68	
			For 22 Gauge, Add	24.56	
			For 20 Gauge, Add	40.05	
			For 18 Gauge, Add	61.41	
			For 16 Gauge, Add	74.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
			For Work In Restricted Working Space, Add	122.13	
23 31 13 16-0138	EA		24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing	499.31	110.44
			Lateral		
			For 3" WG (Class B), Add	66.22	
			For 4" Or 6" WG (Class A), Add	176.58	
			For 24 Gauge, Add	11.57	
			For 22 Gauge, Add	26.62	
			For 20 Gauge, Add	43.40	
			For 18 Gauge, Add	66.54	
			For 16 Gauge, Add	81.00	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
			For Work In Restricted Working Space, Add	132.44	
23 31 13 16-0139			Slip Joint, Galvanized, Spiral Duct Reducers <small>(23 31 13 16-0074)</small>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	63.82	14.23
			For 3" WG (Class B), Add	8.54	
			For 4" Or 6" WG (Class A), Add	22.77	
			For 24 Gauge, Add	1.38	
			For 22 Gauge, Add	3.17	
			For 20 Gauge, Add	5.17	
			For 18 Gauge, Add	7.92	
			For 16 Gauge, Add	9.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
			For Work In Restricted Working Space, Add	17.08	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	82.49	18.50
			For 3" WG (Class B), Add	11.24	
			For 4" Or 6" WG (Class A), Add	29.96	
			For 24 Gauge, Add	1.52	
			For 22 Gauge, Add	3.49	
			For 20 Gauge, Add	5.69	
			For 18 Gauge, Add	8.72	
			For 16 Gauge, Add	10.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
			For Work In Restricted Working Space, Add	22.47	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	103.27	23.49
			For 3" WG (Class B), Add	14.23	
			For 4" Or 6" WG (Class A), Add	37.95	
			For 24 Gauge, Add	1.68	
			For 22 Gauge, Add	3.86	
			For 20 Gauge, Add	6.29	
			For 18 Gauge, Add	9.65	
			For 16 Gauge, Add	11.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
			For Work In Restricted Working Space, Add	28.46	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	127.80	29.89
			For 3" WG (Class B), Add	17.79	
			For 4" Or 6" WG (Class A), Add	47.44	
			For 24 Gauge, Add	1.84	
			For 22 Gauge, Add	4.23	
			For 20 Gauge, Add	6.90	
			For 18 Gauge, Add	10.58	
			For 16 Gauge, Add	12.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
			For Work In Restricted Working Space, Add	35.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0144	EA	14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	139.62	32.73
		For 3" WG (Class B), Add	19.41	
		For 4" Or 6" WG (Class A), Add	51.75	
		For 24 Gauge, Add	2.05	
		For 22 Gauge, Add	4.71	
		For 20 Gauge, Add	7.68	
		For 18 Gauge, Add	11.78	
		For 16 Gauge, Add	14.34	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
		For Work In Restricted Working Space, Add	38.81	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	170.75	38.42
		For 3" WG (Class B), Add	22.96	
		For 4" Or 6" WG (Class A), Add	61.22	
		For 24 Gauge, Add	3.54	
		For 22 Gauge, Add	8.15	
		For 20 Gauge, Add	13.28	
		For 18 Gauge, Add	20.37	
		For 16 Gauge, Add	24.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11	
		For Work In Restricted Working Space, Add	45.91	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	208.68	47.68
		For 3" WG (Class B), Add	28.46	
		For 4" Or 6" WG (Class A), Add	75.90	
		For 24 Gauge, Add	3.78	
		For 22 Gauge, Add	8.70	
		For 20 Gauge, Add	14.19	
		For 18 Gauge, Add	21.76	
		For 16 Gauge, Add	26.49	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00	
		For Work In Restricted Working Space, Add	56.93	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	249.74	57.64
		For 3" WG (Class B), Add	34.43	
		For 4" Or 6" WG (Class A), Add	91.82	
		For 24 Gauge, Add	4.04	
		For 22 Gauge, Add	9.29	
		For 20 Gauge, Add	15.14	
		For 18 Gauge, Add	23.22	
		For 16 Gauge, Add	28.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
		For Work In Restricted Working Space, Add	68.87	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	290.00	66.90
		For 3" WG (Class B), Add	40.28	
		For 4" Or 6" WG (Class A), Add	107.41	
		For 24 Gauge, Add	4.29	
		For 22 Gauge, Add	9.88	
		For 20 Gauge, Add	16.10	
		For 18 Gauge, Add	24.69	
		For 16 Gauge, Add	30.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89	
		For Work In Restricted Working Space, Add	80.56	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	325.43	76.14
		For 3" WG (Class B), Add	45.42	
		For 4" Or 6" WG (Class A), Add	121.12	
		For 24 Gauge, Add	4.52	
		For 22 Gauge, Add	10.41	
		For 20 Gauge, Add	16.97	
		For 18 Gauge, Add	26.01	
		For 16 Gauge, Add	31.67	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.74	
		For Work In Restricted Working Space, Add	90.84	
23 31 13 16-0150		Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)		
23 31 13 16-0151	EA	4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	41.72	9.96
		For 3" WG (Class B), Add	5.77	
		For 4" Or 6" WG (Class A), Add	15.38	
		For 24 Gauge, Add	0.65	
		For 22 Gauge, Add	1.50	
		For 20 Gauge, Add	2.45	
		For 18 Gauge, Add	3.75	
		For 16 Gauge, Add	4.56	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41	
		For Work In Restricted Working Space, Add	11.54	
23 31 13 16-0152	EA	6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	60.63	14.23
		For 3" WG (Class B), Add	8.54	
		For 4" Or 6" WG (Class A), Add	22.77	
		For 24 Gauge, Add	0.74	
		For 22 Gauge, Add	1.70	
		For 20 Gauge, Add	2.78	
		For 18 Gauge, Add	4.26	
		For 16 Gauge, Add	5.18	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.74	
		For Work In Restricted Working Space, Add	17.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0153	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	78.90	18.50
			For 3" WG (Class B), Add	11.24	
			For 4" Or 6" WG (Class A), Add	29.96	
			For 24 Gauge, Add	0.80	
			For 22 Gauge, Add	1.84	
			For 20 Gauge, Add	2.99	
			For 18 Gauge, Add	4.59	
			For 16 Gauge, Add	5.59	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
			For Work In Restricted Working Space, Add	22.47	
23 31 13 16-0154	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	99.16	23.49
			For 3" WG (Class B), Add	14.23	
			For 4" Or 6" WG (Class A), Add	37.95	
			For 24 Gauge, Add	0.86	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	3.21	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For Work In Restricted Working Space, Add	28.46	
23 31 13 16-0155	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	123.17	29.89
			For 3" WG (Class B), Add	17.79	
			For 4" Or 6" WG (Class A), Add	47.44	
			For 24 Gauge, Add	0.91	
			For 22 Gauge, Add	2.10	
			For 20 Gauge, Add	3.43	
			For 18 Gauge, Add	5.26	
			For 16 Gauge, Add	6.40	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.38	
			For Work In Restricted Working Space, Add	35.58	
23 31 13 16-0156	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	134.24	32.73
			For 3" WG (Class B), Add	19.41	
			For 4" Or 6" WG (Class A), Add	51.75	
			For 24 Gauge, Add	0.97	
			For 22 Gauge, Add	2.24	
			For 20 Gauge, Add	3.65	
			For 18 Gauge, Add	5.59	
			For 16 Gauge, Add	6.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.60	
			For Work In Restricted Working Space, Add	38.81	
23 31 13 16-0157	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	158.42	38.42
			For 3" WG (Class B), Add	22.96	
			For 4" Or 6" WG (Class A), Add	61.22	
			For 24 Gauge, Add	1.08	
			For 22 Gauge, Add	2.47	
			For 20 Gauge, Add	4.04	
			For 18 Gauge, Add	6.19	
			For 16 Gauge, Add	7.53	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.98	
			For Work In Restricted Working Space, Add	45.91	
23 31 13 16-0158	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	195.43	47.68
			For 3" WG (Class B), Add	28.46	
			For 4" Or 6" WG (Class A), Add	75.90	
			For 24 Gauge, Add	1.13	
			For 22 Gauge, Add	2.61	
			For 20 Gauge, Add	4.25	
			For 18 Gauge, Add	6.52	
			For 16 Gauge, Add	7.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
			For Work In Restricted Working Space, Add	56.93	
23 31 13 16-0159	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	235.57	57.64
			For 3" WG (Class B), Add	34.43	
			For 4" Or 6" WG (Class A), Add	91.82	
			For 24 Gauge, Add	1.20	
			For 22 Gauge, Add	2.77	
			For 20 Gauge, Add	4.52	
			For 18 Gauge, Add	6.92	
			For 16 Gauge, Add	8.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
			For Work In Restricted Working Space, Add	68.87	
23 31 13 16-0160	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	274.78	134.49
			For 3" WG (Class B), Add	40.28	
			For 4" Or 6" WG (Class A), Add	107.41	
			For 24 Gauge, Add	1.25	
			For 22 Gauge, Add	2.88	
			For 20 Gauge, Add	4.69	
			For 18 Gauge, Add	7.19	
			For 16 Gauge, Add	8.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
			For Work In Restricted Working Space, Add	80.56	
23 31 13 16-0161	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	309.41	151.57
			For 3" WG (Class B), Add	45.42	
			For 4" Or 6" WG (Class A), Add	121.12	
			For 24 Gauge, Add	1.32	
			For 22 Gauge, Add	3.04	
			For 20 Gauge, Add	4.95	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For Work In Restricted Working Space, Add	90.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0162	Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	23.06	9.96
	For 3" WG (Class B), Add	2.89	
	For 4" Or 6" WG (Class A), Add	7.70	
	For 24 Gauge, Add	0.76	
	For 22 Gauge, Add	1.76	
	For 20 Gauge, Add	2.87	
	For 18 Gauge, Add	4.39	
	For 16 Gauge, Add	5.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
	For Work In Restricted Working Space, Add	5.77	
23 31 13 16-0164	EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	32.74	14.23
	For 3" WG (Class B), Add	4.27	
	For 4" Or 6" WG (Class A), Add	11.38	
	For 24 Gauge, Add	0.86	
	For 22 Gauge, Add	1.97	
	For 20 Gauge, Add	3.21	
	For 18 Gauge, Add	4.92	
	For 16 Gauge, Add	5.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
	For Work In Restricted Working Space, Add	8.54	
23 31 13 16-0165	EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	42.14	19.22
	For 3" WG (Class B), Add	5.62	
	For 4" Or 6" WG (Class A), Add	14.98	
	For 24 Gauge, Add	0.94	
	For 22 Gauge, Add	2.16	
	For 20 Gauge, Add	3.52	
	For 18 Gauge, Add	5.39	
	For 16 Gauge, Add	6.57	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
	For Work In Restricted Working Space, Add	11.24	
23 31 13 16-0166	EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	52.65	24.19
	For 3" WG (Class B), Add	7.12	
	For 4" Or 6" WG (Class A), Add	18.98	
	For 24 Gauge, Add	1.04	
	For 22 Gauge, Add	2.40	
	For 20 Gauge, Add	3.91	
	For 18 Gauge, Add	5.99	
	For 16 Gauge, Add	7.29	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
	For Work In Restricted Working Space, Add	14.23	
23 31 13 16-0167	EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	65.09	29.89
	For 3" WG (Class B), Add	8.90	
	For 4" Or 6" WG (Class A), Add	23.72	
	For 24 Gauge, Add	1.16	
	For 22 Gauge, Add	2.66	
	For 20 Gauge, Add	4.34	
	For 18 Gauge, Add	6.66	
	For 16 Gauge, Add	8.11	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
	For Work In Restricted Working Space, Add	17.79	
23 31 13 16-0168	EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	71.05	32.73
	For 3" WG (Class B), Add	9.70	
	For 4" Or 6" WG (Class A), Add	25.88	
	For 24 Gauge, Add	1.27	
	For 22 Gauge, Add	2.93	
	For 20 Gauge, Add	4.77	
	For 18 Gauge, Add	7.31	
	For 16 Gauge, Add	8.90	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.71	
	For Work In Restricted Working Space, Add	19.41	
23 31 13 16-0169	EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	82.26	37.72
	For 3" WG (Class B), Add	11.24	
	For 4" Or 6" WG (Class A), Add	29.96	
	For 24 Gauge, Add	1.47	
	For 22 Gauge, Add	3.38	
	For 20 Gauge, Add	5.51	
	For 18 Gauge, Add	8.45	
	For 16 Gauge, Add	10.29	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.44	
	For Work In Restricted Working Space, Add	22.47	
23 31 13 16-0170	EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	119.64	47.68
	For 3" WG (Class B), Add	14.23	
	For 4" Or 6" WG (Class A), Add	37.95	
	For 24 Gauge, Add	4.95	
	For 22 Gauge, Add	11.39	
	For 20 Gauge, Add	18.57	
	For 18 Gauge, Add	28.47	
	For 16 Gauge, Add	34.66	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.32	
	For Work In Restricted Working Space, Add	28.46	
23 31 13 16-0171	EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	145.45	59.07
	For 3" WG (Class B), Add	17.79	
	For 4" Or 6" WG (Class A), Add	47.44	
	For 24 Gauge, Add	5.37	
	For 22 Gauge, Add	12.35	
	For 20 Gauge, Add	20.14	
	For 18 Gauge, Add	30.88	
	For 16 Gauge, Add	37.59	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.87	
	For Work In Restricted Working Space, Add	35.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0172	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	158.31	64.75
			<i>For 3" WG (Class B), Add</i>	19.41	
			<i>For 4" Or 6" WG (Class A), Add</i>	51.75	
			<i>For 24 Gauge, Add</i>	5.79	
			<i>For 22 Gauge, Add</i>	13.31	
			<i>For 20 Gauge, Add</i>	21.70	
			<i>For 18 Gauge, Add</i>	33.27	
			<i>For 16 Gauge, Add</i>	40.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.41	
			<i>For Work In Restricted Working Space, Add</i>	38.81	
23 31 13 16-0173	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	182.48	75.43
			<i>For 3" WG (Class B), Add</i>	22.71	
			<i>For 4" Or 6" WG (Class A), Add</i>	60.56	
			<i>For 24 Gauge, Add</i>	6.21	
			<i>For 22 Gauge, Add</i>	14.29	
			<i>For 20 Gauge, Add</i>	23.30	
			<i>For 18 Gauge, Add</i>	35.73	
			<i>For 16 Gauge, Add</i>	43.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.99	
			<i>For Work In Restricted Working Space, Add</i>	45.42	

23 31 13 19 Metal Duct Fittings (23 31 13)

23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)

23 31 13 19-0002	LF		Sheet Metal Baffles Under Raised Floor.....	28.37	22.80
			<i>For Work In Restricted Working Space, Add</i>	8.33	
			<i>For Elevated Installation >10' To 15', Add</i>	2.78	
			<i>For Elevated Installation >15' To 20', Add</i>	5.56	
			<i>For Elevated Installation >20' To 25', Add</i>	6.95	
			<i>For Elevated Installation >25' To 30', Add</i>	9.72	
			<i>For Elevated Installation >30' To 35', Add</i>	11.11	
			<i>For Elevated Installation >35' To 40', Add</i>	13.89	
			<i>For Elevated Installation >40', Add</i>	15.28	

23 31 13 19-0003 Duct Register Boots (23 31 13 19)

23 31 13 19-0004	EA		10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	24.94	9.61
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0005	EA		10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	24.94	9.61
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	26.59	10.38
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	26.59	10.38
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	28.00	10.38
			<i>For Stainless Steel, Add</i>	9.43	
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	28.83	11.15
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	28.83	11.15
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	29.71	11.15
			<i>For Stainless Steel, Add</i>	9.65	
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	28.98	11.92
			<i>For Stainless Steel, Add</i>	6.68	
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	30.67	12.69
			<i>For Stainless Steel, Add</i>	6.89	
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	34.26	12.69
			<i>For Stainless Steel, Add</i>	11.56	
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	32.52	13.45
			<i>For Stainless Steel, Add</i>	7.29	
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	36.04	13.45
			<i>For Stainless Steel, Add</i>	11.87	
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	25.74	10.38
			<i>For Stainless Steel, Add</i>	6.49	
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	25.74	10.38
			<i>For Stainless Steel, Add</i>	6.49	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	27.85	11.15
			<i>For Stainless Steel, Add</i>	7.23	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	28.69	11.15
			<i>For Stainless Steel, Add</i>	8.32	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	29.10	11.92
			<i>For Stainless Steel, Add</i>	6.84	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	30.77	12.69
			<i>For Stainless Steel, Add</i>	7.02	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	26.31	10.38
			<i>For Stainless Steel, Add</i>	7.23	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	28.20	11.15
			<i>For Stainless Steel, Add</i>	7.68	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	24.94	9.61
			<i>For Stainless Steel, Add</i>	7.44	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	26.59	10.38
			<i>For Stainless Steel, Add</i>	7.59	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	28.83	11.15
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0028	EA		14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	28.83	11.15
			<i>For Stainless Steel, Add</i>	8.50	
23 31 13 19-0029	EA		10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	28.98	11.92
			<i>For Stainless Steel, Add</i>	6.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	30.67	12.69
		<i>For Stainless Steel, Add</i>	6.89	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	34.26	12.69
		<i>For Stainless Steel, Add</i>	11.56	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	35.80	13.45
		<i>For Stainless Steel, Add</i>	11.56	

23 31 13 23 Galvanized Steel Welded Duct (23 31 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001		Welded Steel Ductwork (23 31 13 23)		
		Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002		Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
		Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003	LB	Galvanized Steel Welded Duct	16.29	6.91
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.80	
		<i>For Work In Restricted Working Space, Add</i>	4.16	
		<i>For Elevated Installation >10' To 15', Add</i>	1.39	
		<i>For Elevated Installation >15' To 20', Add</i>	2.77	
		<i>For Elevated Installation >20' To 25', Add</i>	3.47	
		<i>For Elevated Installation >25' To 30', Add</i>	4.85	
		<i>For Elevated Installation >30' To 35', Add</i>	5.54	
		<i>For Elevated Installation >35' To 40', Add</i>	6.93	
		<i>For Elevated Installation >40', Add</i>	7.62	

23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)

23 31 13 23-0005	LB	Black Steel Ductwork	14.79	7.13
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.40	
		<i>For Work In Restricted Working Space, Add</i>	4.28	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.85	
		<i>For Elevated Installation >20' To 25', Add</i>	3.56	
		<i>For Elevated Installation >25' To 30', Add</i>	4.99	
		<i>For Elevated Installation >30' To 35', Add</i>	5.70	
		<i>For Elevated Installation >35' To 40', Add</i>	7.13	
		<i>For Elevated Installation >40', Add</i>	7.84	

23 31 16 Nonmetal Ducts (23 31)**23 31 16 13 Fibrous-Glass Ducts** (23 31 16)

23 31 16 13-0001		Glass Fiber Duct Board (23 31 16 13)		
		Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	7.28	1.43
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	8.64	1.57
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	10.06	1.72

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)

23 31 16 16-0001		Fiber Reinforced Round Plastic Duct (23 31 16 16)		
23 31 16 16-0002		Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)		
23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	12.49	3.91
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	15.67	4.57
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	21.20	6.71
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	28.14	8.48
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	35.69	10.61
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	43.04	12.76
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	48.39	14.89
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	55.30	16.29
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	59.79	17.32
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	74.59	19.47
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	78.41	20.86
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	97.12	22.27
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	111.21	25.80
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	128.22	31.11
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	172.28	34.65
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	193.00	38.92
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	214.25	44.60
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	242.98	52.05
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	259.71	63.69
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	316.92	77.84
23 31 16 16-0023		Fiber Reinforced Plastic Bell (23 31 16 16-0001)		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	51.08	15.85
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	61.83	18.80
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	70.88	22.11
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	92.89	29.49
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	112.49	36.86
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	129.66	44.23
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	160.72	54.92

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell.....	172.20	58.97
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell.....	186.63	63.03
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell.....	201.07	67.82
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell.....	220.13	73.72
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell.....	259.10	81.09
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell.....	305.34	88.47
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell.....	346.85	99.52
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell.....	388.36	110.58
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell.....	429.84	121.64
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell.....	537.18	147.44
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell.....	635.13	184.30
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell.....	762.11	221.16
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell.....	874.50	250.65

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange.....	89.85	15.85
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange.....	103.02	18.80
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange.....	116.92	22.11
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange.....	151.04	29.49
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange.....	182.75	36.86
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange.....	214.47	44.23
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange.....	250.37	54.92
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange.....	281.23	58.97
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange.....	307.78	63.03
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange.....	327.07	67.82
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange.....	341.28	73.72
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange.....	404.48	81.09
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange.....	445.87	88.47
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange.....	557.65	99.52
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange.....	620.96	110.58
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange.....	708.48	121.64
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange.....	827.94	147.44
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange.....	981.61	184.30
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange.....	1,135.25	221.16
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange.....	1,300.94	250.65

23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	143.65	38.18
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	168.15	45.63
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	195.07	53.08
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	251.21	70.77
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	307.36	88.47
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	363.51	106.15
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	445.35	132.04
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	511.61	139.77
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	587.39	151.79
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	712.29	162.77
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	827.99	176.93
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	966.50	194.62
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,335.19	212.32
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,730.79	238.86
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,308.08	265.47
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,752.15	292.00
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,255.04	353.86
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	3,935.53	442.32
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	4,615.75	530.64
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,266.62	601.34

23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)

23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	117.00	38.18
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	136.65	45.63
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	158.72	53.08
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	197.91	70.77
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	237.09	88.47
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	281.18	106.15
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	346.06	132.04
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	378.29	139.77
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	461.27	151.72
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	538.04	162.92
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	629.25	176.93
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	731.13	194.48
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	947.23	212.17
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,171.42	239.07
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,516.09	265.61
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	1,795.07	292.00
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,135.62	353.86
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,549.59	442.32
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	2,990.65	529.61
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,377.79	601.92

23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	179.76	56.98
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	211.33	68.64
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	241.72	79.62
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	310.20	106.15
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	377.50	132.04
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	448.28	159.97
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	541.23	193.88
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	592.01	209.81
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	694.83	227.94
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	794.62	244.16
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	926.99	265.47
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,068.18	292.00
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,293.91	318.40
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,566.59	358.42
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,117.46	398.24
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,547.43	438.12
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,065.89	531.15
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	3,650.38	663.78
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,234.44	796.11
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	4,775.52	902.71

23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)

23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	143.41	56.98
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	167.70	68.64
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	190.87	79.62
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	239.99	106.15
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	287.90	132.04
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	344.14	159.97
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	410.56	194.03
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	446.31	209.66
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	491.46	228.01
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	533.29	244.39
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	583.24	265.61
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	646.58	292.00
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	716.94	318.25
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	810.24	358.20
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	906.45	398.46
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	996.44	437.98
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,185.53	529.61
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	1,435.34	664.96
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	1,739.73	796.69
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	1,940.64	902.71

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	126.71	38.27
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	148.81	45.70
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	175.73	53.08
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	224.56	70.77
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	268.59	88.47
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	323.02	106.60
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	379.98	132.04
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	407.36	139.77
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	451.57	151.72
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	499.27	162.92
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	561.41	176.93
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	644.59	194.84
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	727.56	212.68
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	824.93	239.07
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	922.46	265.61
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,043.95	292.00
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,231.85	353.86
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,456.83	442.32
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	1,609.55	529.61
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	1,802.85	601.92

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	155.78	38.27
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	168.19	45.70
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	195.11	53.08
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	251.21	70.77
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	307.36	88.47
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	364.21	106.60
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	433.28	132.04
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	475.21	139.77
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	519.42	151.72
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	591.34	162.92
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	764.94	176.93
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	942.62	194.84
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,008.62	212.68
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,149.61	239.07
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,242.29	265.61
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,358.93	292.00

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,486.26	353.86
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	1,696.70	442.32
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	1,876.08	529.61
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,045.15	601.92

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	293.86	38.18
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	330.49	45.63
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	367.10	53.08
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	432.94	70.77
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	510.89	88.47
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	576.73	106.15
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	656.15	132.04
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	729.68	139.77
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	810.31	151.79
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	889.17	162.77
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	949.13	176.93
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,075.53	194.62
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,250.38	212.32
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,440.03	238.86
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,653.88	265.47
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	1,843.53	292.00
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,164.70	353.86
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,530.21	442.32
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	2,871.20	530.64
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,304.01	601.34

23 33 Air Duct Accessories (23 30)

23 33 13 Dampers (23 33)

23 33 13 13 Volume-Control Dampers (23 33 13)

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	68.71	6.15
		<i>For Stainless Steel, Add</i>	58.31	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	73.18	6.91
		<i>For Stainless Steel, Add</i>	59.15	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	78.16	7.68
		<i>For Stainless Steel, Add</i>	59.77	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	84.33	9.23
		<i>For Stainless Steel, Add</i>	63.51	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	91.27	10.00
		<i>For Stainless Steel, Add</i>	67.25	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	109.34	10.77
		<i>For Stainless Steel, Add</i>	85.92	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	119.55	11.53
		<i>For Stainless Steel, Add</i>	93.39	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	125.95	13.07
		<i>For Stainless Steel, Add</i>	97.11	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	138.69	13.84
		<i>For Stainless Steel, Add</i>	108.33	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	163.62	15.38
		<i>For Stainless Steel, Add</i>	134.49	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	180.70	15.38
		<i>For Stainless Steel, Add</i>	153.14	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	207.11	17.68
		<i>For Stainless Steel, Add</i>	179.30	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	223.12	18.45
		<i>For Stainless Steel, Add</i>	195.38	

23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	63.43	8.57
		<i>For Stainless Steel, Add</i>	49.05	
		<i>For Parallel Blade Damper, Add</i>	15.09	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	67.28	8.95
		<i>For Stainless Steel, Add</i>	52.53	
		<i>For Parallel Blade Damper, Add</i>	16.16	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	70.13	9.03
		<i>For Stainless Steel, Add</i>	56.04	
		<i>For Parallel Blade Damper, Add</i>	17.24	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	70.13	9.03
		<i>For Stainless Steel, Add</i>	56.04	
		<i>For Parallel Blade Damper, Add</i>	17.24	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.60	9.27
		<i>For Stainless Steel, Add</i>	59.54	
		<i>For Parallel Blade Damper, Add</i>	18.32	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	82.06	10.27
		<i>For Stainless Steel, Add</i>	66.53	
		<i>For Parallel Blade Damper, Add</i>	20.47	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.60	9.27
		<i>For Stainless Steel, Add</i>	59.54	
		<i>For Parallel Blade Damper, Add</i>	18.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	80.51	9.80
			<i>For Stainless Steel, Add</i>	66.53	
			<i>For Parallel Blade Damper, Add</i>	20.47	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.78	10.27
			<i>For Stainless Steel, Add</i>	70.07	
			<i>For Parallel Blade Damper, Add</i>	21.56	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.34	11.58
			<i>For Stainless Steel, Add</i>	73.58	
			<i>For Parallel Blade Damper, Add</i>	22.64	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	79.18	9.80
			<i>For Stainless Steel, Add</i>	64.81	
			<i>For Parallel Blade Damper, Add</i>	19.94	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.78	10.27
			<i>For Stainless Steel, Add</i>	70.07	
			<i>For Parallel Blade Damper, Add</i>	21.56	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.02	10.81
			<i>For Stainless Steel, Add</i>	73.58	
			<i>For Parallel Blade Damper, Add</i>	22.64	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.03	11.58
			<i>For Stainless Steel, Add</i>	77.08	
			<i>For Parallel Blade Damper, Add</i>	23.72	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.62	12.89
			<i>For Stainless Steel, Add</i>	85.83	
			<i>For Parallel Blade Damper, Add</i>	26.41	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	84.78	10.27
			<i>For Stainless Steel, Add</i>	70.07	
			<i>For Parallel Blade Damper, Add</i>	21.56	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.79	11.04
			<i>For Stainless Steel, Add</i>	73.58	
			<i>For Parallel Blade Damper, Add</i>	22.64	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.57	12.12
			<i>For Stainless Steel, Add</i>	77.08	
			<i>For Parallel Blade Damper, Add</i>	23.72	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	100.57	12.89
			<i>For Stainless Steel, Add</i>	80.56	
			<i>For Parallel Blade Damper, Add</i>	24.79	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	111.20	14.12
			<i>For Stainless Steel, Add</i>	89.36	
			<i>For Parallel Blade Damper, Add</i>	27.50	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	121.78	15.44
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	89.02	10.81
			<i>For Stainless Steel, Add</i>	73.58	
			<i>For Parallel Blade Damper, Add</i>	22.64	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	95.36	11.58
			<i>For Stainless Steel, Add</i>	78.81	
			<i>For Parallel Blade Damper, Add</i>	24.25	
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.29	12.89
			<i>For Stainless Steel, Add</i>	84.10	
			<i>For Parallel Blade Damper, Add</i>	25.88	
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	113.89	14.12
			<i>For Stainless Steel, Add</i>	92.86	
			<i>For Parallel Blade Damper, Add</i>	28.57	
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	123.13	15.44
			<i>For Stainless Steel, Add</i>	99.85	
			<i>For Parallel Blade Damper, Add</i>	30.72	
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	133.70	16.67
			<i>For Stainless Steel, Add</i>	108.59	
			<i>For Parallel Blade Damper, Add</i>	33.41	
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	141.61	17.98
			<i>For Stainless Steel, Add</i>	113.85	
			<i>For Parallel Blade Damper, Add</i>	35.03	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.03	11.58
			<i>For Stainless Steel, Add</i>	77.08	
			<i>For Parallel Blade Damper, Add</i>	23.72	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	103.27	12.89
			<i>For Stainless Steel, Add</i>	84.07	
			<i>For Parallel Blade Damper, Add</i>	25.87	
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	112.53	14.12
			<i>For Stainless Steel, Add</i>	91.09	
			<i>For Parallel Blade Damper, Add</i>	28.03	
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.18	15.44
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.07	16.67
			<i>For Stainless Steel, Add</i>	110.37	
			<i>For Parallel Blade Damper, Add</i>	33.96	
23 33 13 13-0049	EA		20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.98	17.98
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13 13-0050	EA		20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.22	19.30
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13 13-0051	EA		20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.45	20.53
			<i>For Stainless Steel, Add</i>	129.61	
			<i>For Parallel Blade Damper, Add</i>	39.88	
23 33 13 13-0052	EA		24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	105.97	12.89
			<i>For Stainless Steel, Add</i>	87.58	
			<i>For Parallel Blade Damper, Add</i>	26.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0053	EA		24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.92	14.12
			For Stainless Steel, Add	98.10	
			For Parallel Blade Damper, Add	30.18	
23 33 13 13-0054	EA		24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.18	15.44
			For Stainless Steel, Add	105.12	
			For Parallel Blade Damper, Add	32.34	
23 33 13 13-0055	EA		24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.12	16.67
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0056	EA		24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.01	17.98
			For Stainless Steel, Add	120.87	
			For Parallel Blade Damper, Add	37.19	
23 33 13 13-0057	EA		24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	154.91	19.30
			For Stainless Steel, Add	126.13	
			For Parallel Blade Damper, Add	38.81	
23 33 13 13-0058	EA		24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	166.85	20.53
			For Stainless Steel, Add	136.63	
			For Parallel Blade Damper, Add	42.04	
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	182.64	23.16
			For Stainless Steel, Add	147.12	
			For Parallel Blade Damper, Add	45.27	
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.18	25.70
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.92	14.12
			For Stainless Steel, Add	98.10	
			For Parallel Blade Damper, Add	30.18	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.18	15.44
			For Stainless Steel, Add	105.12	
			For Parallel Blade Damper, Add	32.34	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.12	16.67
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.36	17.98
			For Stainless Steel, Add	122.63	
			For Parallel Blade Damper, Add	37.73	
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.94	19.30
			For Stainless Steel, Add	131.37	
			For Parallel Blade Damper, Add	40.42	
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	169.53	20.53
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.34	23.16
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.18	25.70
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.19	27.02
			For Stainless Steel, Add	182.17	
			For Parallel Blade Damper, Add	56.05	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.38	29.56
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	135.27	15.44
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0072	EA		32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	141.80	16.67
			For Stainless Steel, Add	119.12	
			For Parallel Blade Damper, Add	36.65	
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.36	17.98
			For Stainless Steel, Add	122.63	
			For Parallel Blade Damper, Add	37.73	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	157.59	19.30
			For Stainless Steel, Add	129.61	
			For Parallel Blade Damper, Add	39.88	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.05	20.53
			For Stainless Steel, Add	140.79	
			For Parallel Blade Damper, Add	43.32	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	185.34	23.16
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.88	25.70
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.37	28.25
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.38	29.56
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.43	31.65
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.41	33.42
			For Stainless Steel, Add	252.27	
			For Parallel Blade Damper, Add	77.62	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.19	16.67
			For Stainless Steel, Add	126.13	
			For Parallel Blade Damper, Add	38.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.43	17.98
			<i>For Stainless Steel, Add</i>	133.12	
			<i>For Parallel Blade Damper, Add</i>	40.96	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.67	19.30
			<i>For Stainless Steel, Add</i>	140.11	
			<i>For Parallel Blade Damper, Add</i>	43.11	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.62	20.53
			<i>For Stainless Steel, Add</i>	150.63	
			<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.41	23.16
			<i>For Stainless Steel, Add</i>	155.92	
			<i>For Parallel Blade Damper, Add</i>	47.98	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.32	24.39
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	222.37	28.25
			<i>For Stainless Steel, Add</i>	178.69	
			<i>For Parallel Blade Damper, Add</i>	54.98	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.54	30.88
			<i>For Stainless Steel, Add</i>	196.17	
			<i>For Parallel Blade Damper, Add</i>	60.36	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	262.81	31.89
			<i>For Stainless Steel, Add</i>	217.22	
			<i>For Parallel Blade Damper, Add</i>	66.84	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	291.30	34.20
			<i>For Stainless Steel, Add</i>	245.22	
			<i>For Parallel Blade Damper, Add</i>	75.45	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.58	35.97
			<i>For Stainless Steel, Add</i>	269.75	
			<i>For Parallel Blade Damper, Add</i>	83.00	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.00	37.28
			<i>For Stainless Steel, Add</i>	297.78	
			<i>For Parallel Blade Damper, Add</i>	91.62	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	153.73	19.30
			<i>For Stainless Steel, Add</i>	129.61	
			<i>For Parallel Blade Damper, Add</i>	39.88	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.36	20.53
			<i>For Stainless Steel, Add</i>	143.61	
			<i>For Parallel Blade Damper, Add</i>	44.19	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.92	21.84
			<i>For Stainless Steel, Add</i>	147.12	
			<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	181.48	23.16
			<i>For Stainless Steel, Add</i>	150.63	
			<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13 13-0098	EA		40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.65	24.39
			<i>For Stainless Steel, Add</i>	162.90	
			<i>For Parallel Blade Damper, Add</i>	50.12	
23 33 13 13-0099	EA		40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.95	25.70
			<i>For Stainless Steel, Add</i>	175.18	
			<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13 13-0100	EA		40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	234.31	29.56
			<i>For Stainless Steel, Add</i>	189.19	
			<i>For Parallel Blade Damper, Add</i>	58.21	
23 33 13 13-0101	EA		40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	252.82	32.11
			<i>For Stainless Steel, Add</i>	203.22	
			<i>For Parallel Blade Damper, Add</i>	62.53	
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.15	34.20
			<i>For Stainless Steel, Add</i>	224.22	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13 13-0103	EA		40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.20	35.97
			<i>For Stainless Steel, Add</i>	262.76	
			<i>For Parallel Blade Damper, Add</i>	80.85	
23 33 13 13-0104	EA		40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.52	38.06
			<i>For Stainless Steel, Add</i>	283.75	
			<i>For Parallel Blade Damper, Add</i>	87.31	
23 33 13 13-0105	EA		40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	365.27	39.06
			<i>For Stainless Steel, Add</i>	322.31	
			<i>For Parallel Blade Damper, Add</i>	99.17	
23 33 13 13-0106	EA		40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.40	41.14
			<i>For Stainless Steel, Add</i>	357.34	
			<i>For Parallel Blade Damper, Add</i>	109.95	
23 33 13 13-0107	EA		44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.99	19.30
			<i>For Stainless Steel, Add</i>	136.63	
			<i>For Parallel Blade Damper, Add</i>	42.04	
23 33 13 13-0108	EA		44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.62	20.53
			<i>For Stainless Steel, Add</i>	150.63	
			<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13 13-0109	EA		44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.59	21.84
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13 13-0110	EA		44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.15	23.16
			<i>For Stainless Steel, Add</i>	164.68	
			<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13 13-0111	EA		44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.79	24.39
			<i>For Stainless Steel, Add</i>	178.69	
			<i>For Parallel Blade Damper, Add</i>	54.98	
23 33 13 13-0112	EA		44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.42	25.70
			<i>For Stainless Steel, Add</i>	192.69	
			<i>For Parallel Blade Damper, Add</i>	59.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0113			EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.35	30.88
			For Stainless Steel, Add	210.22	
			For Parallel Blade Damper, Add	64.68	
23 33 13 13-0114			EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.52	33.42
			For Stainless Steel, Add	227.71	
			For Parallel Blade Damper, Add	70.06	
23 33 13 13-0115			EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	310.20	35.97
			For Stainless Steel, Add	262.76	
			For Parallel Blade Damper, Add	80.85	
23 33 13 13-0116			EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.18	38.60
			For Stainless Steel, Add	294.29	
			For Parallel Blade Damper, Add	90.55	
23 33 13 13-0117			EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.82	41.14
			For Stainless Steel, Add	329.29	
			For Parallel Blade Damper, Add	101.32	
23 33 13 13-0118			EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.94	42.38
			For Stainless Steel, Add	360.83	
			For Parallel Blade Damper, Add	111.02	
23 33 13 13-0119			EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.06	43.70
			For Stainless Steel, Add	392.37	
			For Parallel Blade Damper, Add	120.73	
23 33 13 13-0120			EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	461.18	45.00
			For Stainless Steel, Add	423.90	
			For Parallel Blade Damper, Add	130.43	
23 33 13 13-0121			EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.92	20.53
			For Stainless Steel, Add	147.12	
			For Parallel Blade Damper, Add	45.27	
23 33 13 13-0122			EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.59	21.84
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0123			EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.15	23.16
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0124			EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.95	25.70
			For Stainless Steel, Add	175.18	
			For Parallel Blade Damper, Add	53.90	
23 33 13 13-0125			EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.45	28.25
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0126			EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	248.96	30.88
			For Stainless Steel, Add	203.22	
			For Parallel Blade Damper, Add	62.53	
23 33 13 13-0127			EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	272.84	33.42
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0128			EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.71	35.97
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0129			EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	328.69	38.60
			For Stainless Steel, Add	276.76	
			For Parallel Blade Damper, Add	85.16	
23 33 13 13-0130			EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	366.05	41.14
			For Stainless Steel, Add	315.29	
			For Parallel Blade Damper, Add	97.01	
23 33 13 13-0131			EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	394.19	42.38
			For Stainless Steel, Add	346.85	
			For Parallel Blade Damper, Add	106.72	
23 33 13 13-0132			EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	430.37	43.70
			For Stainless Steel, Add	388.87	
			For Parallel Blade Damper, Add	119.65	
23 33 13 13-0133			EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	462.35	46.24
			For Stainless Steel, Add	420.41	
			For Parallel Blade Damper, Add	129.36	
23 33 13 13-0134			EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	498.54	47.56
			For Stainless Steel, Add	462.44	
			For Parallel Blade Damper, Add	142.29	
23 33 13 13-0135			EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	531.67	51.42
			For Stainless Steel, Add	490.46	
			For Parallel Blade Damper, Add	150.91	
23 33 13 13-0136			EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.89	21.84
			For Stainless Steel, Add	157.66	
			For Parallel Blade Damper, Add	48.51	
23 33 13 13-0137			EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.53	23.16
			For Stainless Steel, Add	171.68	
			For Parallel Blade Damper, Add	52.82	
23 33 13 13-0138			EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	220.03	25.70
			For Stainless Steel, Add	185.68	
			For Parallel Blade Damper, Add	57.13	
23 33 13 13-0139			EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.45	28.25
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0140			EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.31	30.88
			For Stainless Steel, Add	204.97	
			For Parallel Blade Damper, Add	63.07	
23 33 13 13-0141			EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.15	33.42
			For Stainless Steel, Add	220.73	
			For Parallel Blade Damper, Add	67.92	
23 33 13 13-0142			EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	294.03	35.97
			For Stainless Steel, Add	241.74	
			For Parallel Blade Damper, Add	74.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.92	38.60
		<i>For Stainless Steel, Add</i>	262.76	
		<i>For Parallel Blade Damper, Add</i>	80.85	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.90	41.14
		<i>For Stainless Steel, Add</i>	294.29	
		<i>For Parallel Blade Damper, Add</i>	90.55	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.94	43.70
		<i>For Stainless Steel, Add</i>	336.31	
		<i>For Parallel Blade Damper, Add</i>	103.48	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	420.74	45.00
		<i>For Stainless Steel, Add</i>	371.33	
		<i>For Parallel Blade Damper, Add</i>	114.26	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.65	46.24
		<i>For Stainless Steel, Add</i>	416.90	
		<i>For Parallel Blade Damper, Add</i>	128.28	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	499.68	48.86
		<i>For Stainless Steel, Add</i>	458.90	
		<i>For Parallel Blade Damper, Add</i>	141.20	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	531.67	51.42
		<i>For Stainless Steel, Add</i>	490.46	
		<i>For Parallel Blade Damper, Add</i>	150.91	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	575.59	55.28
		<i>For Stainless Steel, Add</i>	532.51	
		<i>For Parallel Blade Damper, Add</i>	163.85	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	610.27	57.82
		<i>For Stainless Steel, Add</i>	567.55	
		<i>For Parallel Blade Damper, Add</i>	174.63	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	196.15	23.16
		<i>For Stainless Steel, Add</i>	164.68	
		<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.33	25.70
		<i>For Stainless Steel, Add</i>	182.17	
		<i>For Parallel Blade Damper, Add</i>	56.05	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.14	28.25
		<i>For Stainless Steel, Add</i>	192.69	
		<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.54	30.88
		<i>For Stainless Steel, Add</i>	196.17	
		<i>For Parallel Blade Damper, Add</i>	60.36	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	266.10	33.42
		<i>For Stainless Steel, Add</i>	215.46	
		<i>For Parallel Blade Damper, Add</i>	66.30	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.64	35.97
		<i>For Stainless Steel, Add</i>	234.73	
		<i>For Parallel Blade Damper, Add</i>	72.22	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.18	38.60
		<i>For Stainless Steel, Add</i>	253.99	
		<i>For Parallel Blade Damper, Add</i>	78.15	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.72	41.14
		<i>For Stainless Steel, Add</i>	273.26	
		<i>For Parallel Blade Damper, Add</i>	84.08	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	373.77	43.70
		<i>For Stainless Steel, Add</i>	315.29	
		<i>For Parallel Blade Damper, Add</i>	97.01	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	409.98	45.00
		<i>For Stainless Steel, Add</i>	357.34	
		<i>For Parallel Blade Damper, Add</i>	109.95	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	443.48	46.24
		<i>For Stainless Steel, Add</i>	395.88	
		<i>For Parallel Blade Damper, Add</i>	121.81	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	488.93	48.86
		<i>For Stainless Steel, Add</i>	444.93	
		<i>For Parallel Blade Damper, Add</i>	136.90	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.98	51.42
		<i>For Stainless Steel, Add</i>	486.97	
		<i>For Parallel Blade Damper, Add</i>	149.84	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	571.73	53.96
		<i>For Stainless Steel, Add</i>	532.51	
		<i>For Parallel Blade Damper, Add</i>	163.85	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	606.41	56.59
		<i>For Stainless Steel, Add</i>	567.55	
		<i>For Parallel Blade Damper, Add</i>	174.63	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	649.16	59.14
		<i>For Stainless Steel, Add</i>	613.09	
		<i>For Parallel Blade Damper, Add</i>	188.64	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	691.91	61.68
		<i>For Stainless Steel, Add</i>	658.63	
		<i>For Parallel Blade Damper, Add</i>	202.66	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.95	25.70
		<i>For Stainless Steel, Add</i>	175.18	
		<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.14	28.25
		<i>For Stainless Steel, Add</i>	192.69	
		<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.24	30.88
		<i>For Stainless Steel, Add</i>	199.68	
		<i>For Parallel Blade Damper, Add</i>	61.44	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	256.68	33.42
		<i>For Stainless Steel, Add</i>	203.22	
		<i>For Parallel Blade Damper, Add</i>	62.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0173	EA		60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.56	35.97
			<i>For Stainless Steel, Add</i>	224.22	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13 13-0174	EA		60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	304.43	38.60
			<i>For Stainless Steel, Add</i>	245.22	
			<i>For Parallel Blade Damper, Add</i>	75.45	
23 33 13 13-0175	EA		60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.67	41.14
			<i>For Stainless Steel, Add</i>	268.00	
			<i>For Parallel Blade Damper, Add</i>	82.46	
23 33 13 13-0176	EA		60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	354.91	43.70
			<i>For Stainless Steel, Add</i>	290.77	
			<i>For Parallel Blade Damper, Add</i>	89.47	
23 33 13 13-0177	EA		60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.80	45.00
			<i>For Stainless Steel, Add</i>	336.31	
			<i>For Parallel Blade Damper, Add</i>	103.48	
23 33 13 13-0178	EA		60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.99	46.24
			<i>For Stainless Steel, Add</i>	378.34	
			<i>For Parallel Blade Damper, Add</i>	116.41	
23 33 13 13-0179	EA		60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	472.76	48.86
			<i>For Stainless Steel, Add</i>	423.90	
			<i>For Parallel Blade Damper, Add</i>	130.43	
23 33 13 13-0180	EA		60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.51	51.42
			<i>For Stainless Steel, Add</i>	469.46	
			<i>For Parallel Blade Damper, Add</i>	144.45	
23 33 13 13-0181	EA		60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	550.17	53.96
			<i>For Stainless Steel, Add</i>	504.48	
			<i>For Parallel Blade Damper, Add</i>	155.22	
23 33 13 13-0182	EA		60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	600.99	56.59
			<i>For Stainless Steel, Add</i>	560.51	
			<i>For Parallel Blade Damper, Add</i>	172.46	
23 33 13 13-0183	EA		60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	646.44	59.14
			<i>For Stainless Steel, Add</i>	609.56	
			<i>For Parallel Blade Damper, Add</i>	187.56	
23 33 13 13-0184	EA		60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	691.91	61.68
			<i>For Stainless Steel, Add</i>	658.63	
			<i>For Parallel Blade Damper, Add</i>	202.66	
23 33 13 13-0185	EA		60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	731.93	64.31
			<i>For Stainless Steel, Add</i>	700.62	
			<i>For Parallel Blade Damper, Add</i>	215.58	
23 33 13 13-0186	EA		60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	772.02	66.86
			<i>For Stainless Steel, Add</i>	742.70	
			<i>For Parallel Blade Damper, Add</i>	228.52	
23 33 13 16 Fire Dampers (23 33 13)					
23 33 13 16-0001 Fire Dampers (23 33 13 16)					
23 33 13 16-0002	SF		Curtain Type, Vertical, Fire Damper	95.73	8.34
			<i>For Smoke Damper, Add</i>	60.04	
			<i>For Horizontal, Add</i>	10.60	
			<i>For Dynamic Damper, Add</i>	15.89	
			<i>For 3 Hour Rated, Add</i>	14.13	
23 33 13 16-0003	SF		Louver Type, Vertical, Fire Damper	134.26	8.34
			<i>For Smoke Damper, Add</i>	92.79	
			<i>For Horizontal, Add</i>	16.38	
			<i>For Dynamic Damper, Add</i>	24.56	
			<i>For 3 Hour Rated, Add</i>	21.83	
23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)					
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.					
23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	42.10	8.57
			<i>For Horizontal, Add</i>	2.46	
			<i>For Dynamic Damper, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	3.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	44.43	8.95
			<i>For Horizontal, Add</i>	2.63	
			<i>For Dynamic Damper, Add</i>	3.95	
			<i>For 3 Hour Rated, Add</i>	3.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.76	9.03
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.76	9.03
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	47.71	9.27
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	53.13	10.27
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	47.71	9.27
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.58	9.80
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.30	10.27
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.34	11.58
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.00	9.80
			<i>For Horizontal, Add</i>	3.25	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.30	10.27
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.02	10.81
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018	EA		14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.51	11.58
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019	EA		14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.30	12.89
			<i>For Horizontal, Add</i>	4.31	
			<i>For Dynamic Damper, Add</i>	6.46	
			<i>For 3 Hour Rated, Add</i>	5.74	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020	EA		16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.30	10.27
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021	EA		16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.79	11.04
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.05	12.12
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.53	12.89
			<i>For Horizontal, Add</i>	4.04	
			<i>For Dynamic Damper, Add</i>	6.06	
			<i>For 3 Hour Rated, Add</i>	5.39	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.33	14.12
			<i>For Horizontal, Add</i>	4.48	
			<i>For Dynamic Damper, Add</i>	6.72	
			<i>For 3 Hour Rated, Add</i>	5.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.12	15.44
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.02	10.81
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.09	11.58
			<i>For Horizontal, Add</i>	3.95	
			<i>For Dynamic Damper, Add</i>	5.93	
			<i>For 3 Hour Rated, Add</i>	5.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0028	EA		18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.72	12.89
			<i>For Horizontal, Add</i>	4.22	
			<i>For Dynamic Damper, Add</i>	6.33	
			<i>For 3 Hour Rated, Add</i>	5.62	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029	EA		18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.50	14.12
			<i>For Horizontal, Add</i>	4.66	
			<i>For Dynamic Damper, Add</i>	6.98	
			<i>For 3 Hour Rated, Add</i>	6.21	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030	EA		18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.70	15.44
			<i>For Horizontal, Add</i>	5.01	
			<i>For Dynamic Damper, Add</i>	7.51	
			<i>For 3 Hour Rated, Add</i>	6.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031	EA		18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.48	16.67
			<i>For Horizontal, Add</i>	5.45	
			<i>For Dynamic Damper, Add</i>	8.17	
			<i>For 3 Hour Rated, Add</i>	7.26	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032	EA		18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.10	17.98
			<i>For Horizontal, Add</i>	5.71	
			<i>For Dynamic Damper, Add</i>	8.57	
			<i>For 3 Hour Rated, Add</i>	7.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033	EA		20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	60.51	11.58
			<i>For Horizontal, Add</i>	3.87	
			<i>For Dynamic Damper, Add</i>	5.80	
			<i>For 3 Hour Rated, Add</i>	5.15	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0034	EA		20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.71	12.89
			<i>For Horizontal, Add</i>	4.22	
			<i>For Dynamic Damper, Add</i>	6.32	
			<i>For 3 Hour Rated, Add</i>	5.62	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.43	
23 33 13 16-0035	EA		20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.91	14.12
			<i>For Horizontal, Add</i>	4.57	
			<i>For Dynamic Damper, Add</i>	6.85	
			<i>For 3 Hour Rated, Add</i>	6.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036	EA		20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.47	15.44
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.07	16.67
			<i>For Horizontal, Add</i>	5.54	
			<i>For Dynamic Damper, Add</i>	8.30	
			<i>For 3 Hour Rated, Add</i>	7.38	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.69	17.98
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.89	19.30
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.08	20.53
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	67.88	12.89
			<i>For Horizontal, Add</i>	4.39	
			<i>For Dynamic Damper, Add</i>	6.59	
			<i>For 3 Hour Rated, Add</i>	5.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.26	14.12
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.47	15.44
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.83	16.67
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.44	17.98
			<i>For Horizontal, Add</i>	6.06	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.06	19.30
		<i>For Horizontal, Add</i>	6.33	
		<i>For Dynamic Damper, Add</i>	9.49	
		<i>For 3 Hour Rated, Add</i>	8.43	
		<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.43	20.53
		<i>For Horizontal, Add</i>	6.85	
		<i>For Dynamic Damper, Add</i>	10.28	
		<i>For 3 Hour Rated, Add</i>	9.14	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.66	23.16
		<i>For Horizontal, Add</i>	7.38	
		<i>For Dynamic Damper, Add</i>	11.07	
		<i>For 3 Hour Rated, Add</i>	9.84	
		<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.09	25.70
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.26	14.12
		<i>For Horizontal, Add</i>	4.92	
		<i>For Dynamic Damper, Add</i>	7.38	
		<i>For 3 Hour Rated, Add</i>	6.56	
		<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.47	15.44
		<i>For Horizontal, Add</i>	5.27	
		<i>For Dynamic Damper, Add</i>	7.91	
		<i>For 3 Hour Rated, Add</i>	7.03	
		<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.83	16.67
		<i>For Horizontal, Add</i>	5.80	
		<i>For Dynamic Damper, Add</i>	8.70	
		<i>For 3 Hour Rated, Add</i>	7.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.03	17.98
		<i>For Horizontal, Add</i>	6.15	
		<i>For Dynamic Damper, Add</i>	9.23	
		<i>For 3 Hour Rated, Add</i>	8.20	
		<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.82	19.30
		<i>For Horizontal, Add</i>	6.59	
		<i>For Dynamic Damper, Add</i>	9.88	
		<i>For 3 Hour Rated, Add</i>	8.79	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.60	20.53
		<i>For Horizontal, Add</i>	7.03	
		<i>For Dynamic Damper, Add</i>	10.54	
		<i>For 3 Hour Rated, Add</i>	9.37	
		<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.84	23.16
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.09	25.70
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.97	27.02
		<i>For Horizontal, Add</i>	9.14	
		<i>For Dynamic Damper, Add</i>	13.70	
		<i>For 3 Hour Rated, Add</i>	12.18	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.55	29.56
		<i>For Horizontal, Add</i>	10.02	
		<i>For Dynamic Damper, Add</i>	15.02	
		<i>For 3 Hour Rated, Add</i>	13.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.98	15.44
		<i>For Horizontal, Add</i>	5.80	
		<i>For Dynamic Damper, Add</i>	8.70	
		<i>For 3 Hour Rated, Add</i>	7.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.99	16.67
		<i>For Horizontal, Add</i>	5.97	
		<i>For Dynamic Damper, Add</i>	8.96	
		<i>For 3 Hour Rated, Add</i>	7.96	
		<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.03	17.98
		<i>For Horizontal, Add</i>	6.15	
		<i>For Dynamic Damper, Add</i>	9.23	
		<i>For 3 Hour Rated, Add</i>	8.20	
		<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.22	19.30
		<i>For Horizontal, Add</i>	6.50	
		<i>For Dynamic Damper, Add</i>	9.75	
		<i>For 3 Hour Rated, Add</i>	8.67	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.82	20.53
			<i>For Horizontal, Add</i>	7.06	
			<i>For Dynamic Damper, Add</i>	10.59	
			<i>For 3 Hour Rated, Add</i>	9.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.84	23.16
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.26	25.70
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.66	28.25
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.55	29.56
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.92	31.65
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.70	33.42
			<i>For Horizontal, Add</i>	12.65	
			<i>For Dynamic Damper, Add</i>	18.98	
			<i>For 3 Hour Rated, Add</i>	16.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.30	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.34	16.67
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.54	17.98
			<i>For Horizontal, Add</i>	6.68	
			<i>For Dynamic Damper, Add</i>	10.01	
			<i>For 3 Hour Rated, Add</i>	8.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.35	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.74	19.30
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.12	20.53
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.60	23.16
			<i>For Horizontal, Add</i>	7.82	
			<i>For Dynamic Damper, Add</i>	11.73	
			<i>For 3 Hour Rated, Add</i>	10.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.64	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.23	24.39
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.66	28.25
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.23	30.88
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.22	31.89
			<i>For Horizontal, Add</i>	6.23	
			<i>For Dynamic Damper, Add</i>	9.34	
			<i>For 3 Hour Rated, Add</i>	8.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.66	34.20
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.27	35.97
			<i>For Horizontal, Add</i>	13.53	
			<i>For Dynamic Damper, Add</i>	20.29	
			<i>For 3 Hour Rated, Add</i>	18.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.50	37.28
		<i>For Horizontal, Add</i>	14.93	
		<i>For Dynamic Damper, Add</i>	22.40	
		<i>For 3 Hour Rated, Add</i>	19.91	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.36	19.30
		<i>For Horizontal, Add</i>	6.50	
		<i>For Dynamic Damper, Add</i>	9.75	
		<i>For 3 Hour Rated, Add</i>	8.67	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.91	20.53
		<i>For Horizontal, Add</i>	7.20	
		<i>For Dynamic Damper, Add</i>	10.80	
		<i>For 3 Hour Rated, Add</i>	9.60	
		<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.94	21.84
		<i>For Horizontal, Add</i>	7.38	
		<i>For Dynamic Damper, Add</i>	11.07	
		<i>For 3 Hour Rated, Add</i>	9.84	
		<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.98	23.16
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.81	24.39
		<i>For Horizontal, Add</i>	8.17	
		<i>For Dynamic Damper, Add</i>	12.26	
		<i>For 3 Hour Rated, Add</i>	10.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.77	25.70
		<i>For Horizontal, Add</i>	8.79	
		<i>For Dynamic Damper, Add</i>	13.18	
		<i>For 3 Hour Rated, Add</i>	11.71	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.03	29.56
		<i>For Horizontal, Add</i>	9.49	
		<i>For Dynamic Damper, Add</i>	14.23	
		<i>For 3 Hour Rated, Add</i>	12.65	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.44	32.11
		<i>For Horizontal, Add</i>	10.19	
		<i>For Dynamic Damper, Add</i>	15.29	
		<i>For 3 Hour Rated, Add</i>	13.59	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.64	34.20
		<i>For Horizontal, Add</i>	11.25	
		<i>For Dynamic Damper, Add</i>	16.87	
		<i>For 3 Hour Rated, Add</i>	14.99	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.93	35.97
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.12	38.06
		<i>For Horizontal, Add</i>	14.23	
		<i>For Dynamic Damper, Add</i>	21.35	
		<i>For 3 Hour Rated, Add</i>	18.97	
		<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.10	39.06
		<i>For Horizontal, Add</i>	16.16	
		<i>For Dynamic Damper, Add</i>	24.25	
		<i>For 3 Hour Rated, Add</i>	21.55	
		<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.00	41.14
		<i>For Horizontal, Add</i>	17.92	
		<i>For Dynamic Damper, Add</i>	26.88	
		<i>For 3 Hour Rated, Add</i>	23.90	
		<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.57	19.30
		<i>For Horizontal, Add</i>	6.85	
		<i>For Dynamic Damper, Add</i>	10.28	
		<i>For 3 Hour Rated, Add</i>	9.14	
		<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.12	20.53
		<i>For Horizontal, Add</i>	7.56	
		<i>For Dynamic Damper, Add</i>	11.33	
		<i>For 3 Hour Rated, Add</i>	10.07	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.50	21.84
		<i>For Horizontal, Add</i>	8.08	
		<i>For Dynamic Damper, Add</i>	12.13	
		<i>For 3 Hour Rated, Add</i>	10.78	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.53	23.16
		<i>For Horizontal, Add</i>	8.26	
		<i>For Dynamic Damper, Add</i>	12.39	
		<i>For 3 Hour Rated, Add</i>	11.01	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.08	24.39
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.63	25.70
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	162.93	30.88
			<i>For Horizontal, Add</i>	10.54	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.49	33.42
			<i>For Horizontal, Add</i>	11.42	
			<i>For Dynamic Damper, Add</i>	17.13	
			<i>For 3 Hour Rated, Add</i>	15.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.93	35.97
			<i>For Horizontal, Add</i>	13.18	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.19	38.60
			<i>For Horizontal, Add</i>	14.76	
			<i>For Dynamic Damper, Add</i>	22.14	
			<i>For 3 Hour Rated, Add</i>	19.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.62	41.14
			<i>For Horizontal, Add</i>	16.52	
			<i>For Dynamic Damper, Add</i>	24.77	
			<i>For 3 Hour Rated, Add</i>	22.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.02	42.38
			<i>For Horizontal, Add</i>	18.10	
			<i>For Dynamic Damper, Add</i>	27.14	
			<i>For 3 Hour Rated, Add</i>	24.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	262.42	43.70
			<i>For Horizontal, Add</i>	19.68	
			<i>For Dynamic Damper, Add</i>	29.52	
			<i>For 3 Hour Rated, Add</i>	26.24	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.84	45.00
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.94	20.53
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0111	EA		48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.50	21.84
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0112	EA		48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.53	23.16
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0113	EA		48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.77	25.70
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0114	EA		48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.17	28.25
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0115	EA		48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.58	30.88
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.33	33.42
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.07	35.97
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.33	38.60
		<i>For Horizontal, Add</i>	13.88	
		<i>For Dynamic Damper, Add</i>	20.82	
		<i>For 3 Hour Rated, Add</i>	18.51	
		<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.93	41.14
		<i>For Horizontal, Add</i>	15.81	
		<i>For Dynamic Damper, Add</i>	23.72	
		<i>For 3 Hour Rated, Add</i>	21.08	
		<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.35	42.38
		<i>For Horizontal, Add</i>	17.40	
		<i>For Dynamic Damper, Add</i>	26.09	
		<i>For 3 Hour Rated, Add</i>	23.19	
		<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.25	43.70
		<i>For Horizontal, Add</i>	19.50	
		<i>For Dynamic Damper, Add</i>	29.25	
		<i>For 3 Hour Rated, Add</i>	26.00	
		<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.52	46.24
		<i>For Horizontal, Add</i>	21.08	
		<i>For Dynamic Damper, Add</i>	31.63	
		<i>For 3 Hour Rated, Add</i>	28.11	
		<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.44	47.56
		<i>For Horizontal, Add</i>	23.19	
		<i>For Dynamic Damper, Add</i>	34.79	
		<i>For 3 Hour Rated, Add</i>	30.92	
		<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.37	51.42
		<i>For Horizontal, Add</i>	24.60	
		<i>For Dynamic Damper, Add</i>	36.90	
		<i>For 3 Hour Rated, Add</i>	32.80	
		<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.32	21.84
		<i>For Horizontal, Add</i>	7.91	
		<i>For Dynamic Damper, Add</i>	11.86	
		<i>For 3 Hour Rated, Add</i>	10.54	
		<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.87	23.16
		<i>For Horizontal, Add</i>	8.61	
		<i>For Dynamic Damper, Add</i>	12.92	
		<i>For 3 Hour Rated, Add</i>	11.48	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.28	25.70
		<i>For Horizontal, Add</i>	9.31	
		<i>For Dynamic Damper, Add</i>	13.97	
		<i>For 3 Hour Rated, Add</i>	12.42	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.17	28.25
		<i>For Horizontal, Add</i>	9.49	
		<i>For Dynamic Damper, Add</i>	14.23	
		<i>For 3 Hour Rated, Add</i>	12.65	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.17	30.88
		<i>For Horizontal, Add</i>	10.28	
		<i>For Dynamic Damper, Add</i>	15.42	
		<i>For 3 Hour Rated, Add</i>	13.71	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	174.16	33.42
		<i>For Horizontal, Add</i>	11.07	
		<i>For Dynamic Damper, Add</i>	16.61	
		<i>For 3 Hour Rated, Add</i>	14.76	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.91	35.97
		<i>For Horizontal, Add</i>	12.12	
		<i>For Dynamic Damper, Add</i>	18.19	
		<i>For 3 Hour Rated, Add</i>	16.17	
		<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.65	38.60
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.91	41.14
		<i>For Horizontal, Add</i>	14.76	
		<i>For Dynamic Damper, Add</i>	22.14	
		<i>For 3 Hour Rated, Add</i>	19.68	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.69	43.70
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.25	45.00
		<i>For Horizontal, Add</i>	18.62	
		<i>For Dynamic Damper, Add</i>	27.93	
		<i>For 3 Hour Rated, Add</i>	24.83	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	278.35	46.24
			<i>For Horizontal, Add</i>	20.91	
			<i>For Dynamic Damper, Add</i>	31.36	
			<i>For 3 Hour Rated, Add</i>	27.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.11	48.86
			<i>For Horizontal, Add</i>	23.01	
			<i>For Dynamic Damper, Add</i>	34.52	
			<i>For 3 Hour Rated, Add</i>	30.69	
			<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.37	51.42
			<i>For Horizontal, Add</i>	24.60	
			<i>For Dynamic Damper, Add</i>	36.90	
			<i>For 3 Hour Rated, Add</i>	32.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	344.01	55.28
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	363.44	57.82
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.53	23.16
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.11	25.70
			<i>For Horizontal, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.35	28.25
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.23	30.88
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.40	33.42
			<i>For Horizontal, Add</i>	10.81	
			<i>For Dynamic Damper, Add</i>	16.21	
			<i>For 3 Hour Rated, Add</i>	14.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.56	35.97
			<i>For Horizontal, Add</i>	11.77	
			<i>For Dynamic Damper, Add</i>	17.66	
			<i>For 3 Hour Rated, Add</i>	15.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.72	38.60
			<i>For Horizontal, Add</i>	12.74	
			<i>For Dynamic Damper, Add</i>	19.11	
			<i>For 3 Hour Rated, Add</i>	16.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.88	41.14
			<i>For Horizontal, Add</i>	13.70	
			<i>For Dynamic Damper, Add</i>	20.56	
			<i>For 3 Hour Rated, Add</i>	18.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.65	43.70
			<i>For Horizontal, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.58	45.00
			<i>For Horizontal, Add</i>	17.92	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.32	46.24
			<i>For Horizontal, Add</i>	19.85	
			<i>For Dynamic Damper, Add</i>	29.78	
			<i>For 3 Hour Rated, Add</i>	26.47	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.44	48.86
			<i>For Horizontal, Add</i>	22.31	
			<i>For Dynamic Damper, Add</i>	33.47	
			<i>For 3 Hour Rated, Add</i>	29.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.20	51.42
			<i>For Horizontal, Add</i>	24.42	
			<i>For Dynamic Damper, Add</i>	36.63	
			<i>For 3 Hour Rated, Add</i>	32.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	48.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.15	53.96
		<i>For Horizontal, Add</i>	26.71	
		<i>For Dynamic Damper, Add</i>	40.06	
		<i>For 3 Hour Rated, Add</i>	35.61	
		<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.58	56.59
		<i>For Horizontal, Add</i>	28.46	
		<i>For Dynamic Damper, Add</i>	42.69	
		<i>For 3 Hour Rated, Add</i>	37.95	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	382.53	59.14
		<i>For Horizontal, Add</i>	30.75	
		<i>For Dynamic Damper, Add</i>	46.12	
		<i>For 3 Hour Rated, Add</i>	41.00	
		<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	405.48	61.68
		<i>For Horizontal, Add</i>	33.03	
		<i>For Dynamic Damper, Add</i>	49.55	
		<i>For 3 Hour Rated, Add</i>	44.04	
		<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.77	25.70
		<i>For Horizontal, Add</i>	8.79	
		<i>For Dynamic Damper, Add</i>	13.18	
		<i>For 3 Hour Rated, Add</i>	11.71	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.35	28.25
		<i>For Horizontal, Add</i>	9.66	
		<i>For Dynamic Damper, Add</i>	14.50	
		<i>For 3 Hour Rated, Add</i>	12.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.41	30.88
		<i>For Horizontal, Add</i>	10.02	
		<i>For Dynamic Damper, Add</i>	15.02	
		<i>For 3 Hour Rated, Add</i>	13.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.30	33.42
		<i>For Horizontal, Add</i>	10.19	
		<i>For Dynamic Damper, Add</i>	15.29	
		<i>For 3 Hour Rated, Add</i>	13.59	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.05	35.97
		<i>For Horizontal, Add</i>	11.25	
		<i>For Dynamic Damper, Add</i>	16.87	
		<i>For 3 Hour Rated, Add</i>	14.99	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.79	38.60
		<i>For Horizontal, Add</i>	12.30	
		<i>For Dynamic Damper, Add</i>	18.45	
		<i>For 3 Hour Rated, Add</i>	16.40	
		<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.13	41.14
		<i>For Horizontal, Add</i>	13.44	
		<i>For Dynamic Damper, Add</i>	20.16	
		<i>For 3 Hour Rated, Add</i>	17.92	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.46	43.70
		<i>For Horizontal, Add</i>	14.58	
		<i>For Dynamic Damper, Add</i>	21.87	
		<i>For 3 Hour Rated, Add</i>	19.44	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.55	45.00
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.46	46.24
		<i>For Horizontal, Add</i>	18.98	
		<i>For Dynamic Damper, Add</i>	28.46	
		<i>For 3 Hour Rated, Add</i>	25.30	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.42	48.86
		<i>For Horizontal, Add</i>	21.26	
		<i>For Dynamic Damper, Add</i>	31.89	
		<i>For 3 Hour Rated, Add</i>	28.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	311.35	51.42
		<i>For Horizontal, Add</i>	23.54	
		<i>For Dynamic Damper, Add</i>	35.32	
		<i>For 3 Hour Rated, Add</i>	31.39	
		<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.78	53.96
		<i>For Horizontal, Add</i>	25.30	
		<i>For Dynamic Damper, Add</i>	37.95	
		<i>For 3 Hour Rated, Add</i>	33.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	357.24	56.59
		<i>For Horizontal, Add</i>	28.11	
		<i>For Dynamic Damper, Add</i>	42.17	
		<i>For 3 Hour Rated, Add</i>	37.48	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	381.36	59.14
			<i>For Horizontal, Add</i>	30.57	
			<i>For Dynamic Damper, Add</i>	45.86	
			<i>For 3 Hour Rated, Add</i>	40.76	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	405.48	61.68
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	427.24	64.31
			<i>For Horizontal, Add</i>	35.14	
			<i>For Dynamic Damper, Add</i>	52.71	
			<i>For 3 Hour Rated, Add</i>	46.85	
			<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	449.03	66.86
			<i>For Horizontal, Add</i>	37.25	
			<i>For Dynamic Damper, Add</i>	55.87	
			<i>For 3 Hour Rated, Add</i>	49.66	
			<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
23 33 13 16-0176			Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
			Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.64	8.57
			<i>For Horizontal, Add</i>	5.09	
			<i>For Dynamic Damper, Add</i>	7.64	
			<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	62.26	8.95
			<i>For Horizontal, Add</i>	5.31	
			<i>For Dynamic Damper, Add</i>	7.96	
			<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.88	9.03
			<i>For Horizontal, Add</i>	5.53	
			<i>For Dynamic Damper, Add</i>	8.29	
			<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.88	9.03
			<i>For Horizontal, Add</i>	5.53	
			<i>For Dynamic Damper, Add</i>	8.29	
			<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.13	9.27
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.13	10.27
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.13	9.27
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	70.58	9.80
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.60	10.27
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.92	11.58
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.85	9.80
			<i>For Horizontal, Add</i>	6.08	
			<i>For Dynamic Damper, Add</i>	9.12	
			<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	73.60	10.27
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.60	10.81
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.38	11.58
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.27	
			<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.91	12.89
			<i>For Horizontal, Add</i>	7.40	
			<i>For Dynamic Damper, Add</i>	11.09	
			<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.54	10.27
			<i>For Horizontal, Add</i>	8.95	
			<i>For Dynamic Damper, Add</i>	13.42	
			<i>For 3 Hour Rated, Add</i>	11.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.49	11.04
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.23	12.12
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	103.18	12.89
			<i>For Horizontal, Add</i>	9.69	
			<i>For Dynamic Damper, Add</i>	14.53	
			<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.15	14.12
			<i>For Horizontal, Add</i>	10.30	
			<i>For Dynamic Damper, Add</i>	15.46	
			<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.11	15.44
			<i>For Horizontal, Add</i>	10.92	
			<i>For Dynamic Damper, Add</i>	16.38	
			<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.72	10.81
			<i>For Horizontal, Add</i>	9.20	
			<i>For Dynamic Damper, Add</i>	13.79	
			<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	98.50	11.58
			<i>For Horizontal, Add</i>	9.56	
			<i>For Dynamic Damper, Add</i>	14.35	
			<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.84	12.89
			<i>For Horizontal, Add</i>	9.94	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.25	
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	112.79	14.12
			<i>For Horizontal, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.93	15.44
			<i>For Horizontal, Add</i>	11.04	
			<i>For Dynamic Damper, Add</i>	16.56	
			<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.88	16.67
			<i>For Horizontal, Add</i>	11.66	
			<i>For Dynamic Damper, Add</i>	17.48	
			<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.20	17.98
			<i>For Horizontal, Add</i>	12.03	
			<i>For Dynamic Damper, Add</i>	18.04	
			<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.69	11.58
			<i>For Horizontal, Add</i>	9.44	
			<i>For Dynamic Damper, Add</i>	14.16	
			<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.82	12.89
			<i>For Horizontal, Add</i>	9.93	
			<i>For Dynamic Damper, Add</i>	14.90	
			<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.97	14.12
			<i>For Horizontal, Add</i>	10.43	
			<i>For Dynamic Damper, Add</i>	15.64	
			<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.40	15.44
			<i>For Horizontal, Add</i>	11.41	
			<i>For Dynamic Damper, Add</i>	17.12	
			<i>For 3 Hour Rated, Add</i>	15.22	
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.71	16.67
			<i>For Horizontal, Add</i>	11.78	
			<i>For Dynamic Damper, Add</i>	17.67	
			<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.02	17.98
			<i>For Horizontal, Add</i>	12.15	
			<i>For Dynamic Damper, Add</i>	18.22	
			<i>For 3 Hour Rated, Add</i>	16.20	
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.16	19.30
			<i>For Horizontal, Add</i>	12.64	
			<i>For Dynamic Damper, Add</i>	18.96	
			<i>For 3 Hour Rated, Add</i>	16.85	
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.29	20.53
			<i>For Horizontal, Add</i>	13.13	
			<i>For Dynamic Damper, Add</i>	19.70	
			<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.90	12.89
			<i>For Horizontal, Add</i>	12.20	
			<i>For Dynamic Damper, Add</i>	18.29	
			<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	128.69	14.12
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.84	15.44
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.59	16.67
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.92	17.98
			<i>For Horizontal, Add</i>	14.53	
			<i>For Dynamic Damper, Add</i>	21.80	
			<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.23	19.30
			<i>For Horizontal, Add</i>	14.90	
			<i>For Dynamic Damper, Add</i>	22.35	
			<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.01	20.53
			<i>For Horizontal, Add</i>	15.64	
			<i>For Dynamic Damper, Add</i>	23.46	
			<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.65	23.16
			<i>For Horizontal, Add</i>	16.38	
			<i>For Dynamic Damper, Add</i>	24.57	
			<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.94	25.70
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.69	14.12
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.84	15.44
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.59	16.67
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.73	17.98
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.70	19.30
			<i>For Horizontal, Add</i>	15.27	
			<i>For Dynamic Damper, Add</i>	22.91	
			<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.64	20.53
			<i>For Horizontal, Add</i>	15.88	
			<i>For Dynamic Damper, Add</i>	23.83	
			<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.29	23.16
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.94	25.70
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.64	27.02
			<i>For Horizontal, Add</i>	18.84	
			<i>For Dynamic Damper, Add</i>	28.26	
			<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.56	29.56
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.74	15.44
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.22	16.67
			<i>For Horizontal, Add</i>	14.41	
			<i>For Dynamic Damper, Add</i>	21.61	
			<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.73	17.98
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.86	19.30
			<i>For Horizontal, Add</i>	15.15	
			<i>For Dynamic Damper, Add</i>	22.72	
			<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.95	20.53
			<i>For Horizontal, Add</i>	15.93	
			<i>For Dynamic Damper, Add</i>	23.90	
			<i>For 3 Hour Rated, Add</i>	21.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.29	23.16
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.59	25.70
			<i>For Horizontal, Add</i>	17.61	
			<i>For Dynamic Damper, Add</i>	26.41	
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.87	28.25
			<i>For Horizontal, Add</i>	18.59	
			<i>For Dynamic Damper, Add</i>	27.89	
			<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.56	29.56
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.21	31.65
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.74	33.42
			<i>For Horizontal, Add</i>	23.76	
			<i>For Dynamic Damper, Add</i>	35.64	
			<i>For 3 Hour Rated, Add</i>	31.68	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.95	16.67
			<i>For Horizontal, Add</i>	16.17	
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.54	17.98
			<i>For Horizontal, Add</i>	16.73	
			<i>For Dynamic Damper, Add</i>	25.09	
			<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.15	19.30
			<i>For Horizontal, Add</i>	17.29	
			<i>For Dynamic Damper, Add</i>	25.93	
			<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.64	20.53
			<i>For Horizontal, Add</i>	18.13	
			<i>For Dynamic Damper, Add</i>	27.20	
			<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.18	23.16
			<i>For Horizontal, Add</i>	18.56	
			<i>For Dynamic Damper, Add</i>	27.83	
			<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.87	24.39
			<i>For Horizontal, Add</i>	18.98	
			<i>For Dynamic Damper, Add</i>	28.47	
			<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	220.82	28.25
			<i>For Horizontal, Add</i>	20.39	
			<i>For Dynamic Damper, Add</i>	30.58	
			<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.90	30.88
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.23	31.89
			<i>For Horizontal, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	35.21	
			<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.16	34.20
			<i>For Horizontal, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	38.59	
			<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.68	35.97
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.54	37.28
			<i>For Horizontal, Add</i>	29.94	
			<i>For Dynamic Damper, Add</i>	44.91	
			<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.11	19.30
			<i>For Horizontal, Add</i>	18.46	
			<i>For Dynamic Damper, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.47	20.53
			<i>For Horizontal, Add</i>	19.59	
			<i>For Dynamic Damper, Add</i>	29.38	
			<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.20	21.84
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.94	23.16
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.23 21.13 31.70 28.18	24.39
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	224.65 22.12 33.18 29.49	25.70
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.73 23.24 34.86 30.99	29.56
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	258.94 24.37 36.55 32.49	32.11
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.36 26.05 39.08 34.74	34.20
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.38 29.15 43.72 38.86	35.97
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.79 30.83 46.25 41.11	38.06
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	343.50 33.92 50.89 45.23	39.06
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.42 36.74 55.10 48.98	41.14
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	184.72 19.02 28.54 25.37	19.30
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.08 20.15 30.22 26.87	20.53
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	205.57 20.99 31.49 27.99	21.84
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	211.30 21.27 31.91 28.37	23.16
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	222.67 22.40 33.60 29.87	24.39
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.03 23.52 35.29 31.37	25.70
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	258.84 24.93 37.40 33.24	30.88
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	275.92 26.33 39.50 35.11	33.42
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.38 29.15 43.72 38.86	35.97
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	326.97 31.68 47.51 42.23	38.60
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.42 34.49 51.73 45.98	41.14
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	374.15 37.02 55.52 49.35	42.38
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	394.88 39.55 59.32 52.73	43.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.62	45.00
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	194.20	20.53
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.57	21.84
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.30	23.16
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.65	25.70
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.87	28.25
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.08	30.88
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.05	33.42
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.01	35.97
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.60	38.60
			<i>For Horizontal, Add</i>	30.27	
			<i>For Dynamic Damper, Add</i>	45.41	
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.92	41.14
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.67	42.38
			<i>For Horizontal, Add</i>	35.89	
			<i>For Dynamic Damper, Add</i>	53.84	
			<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.00	43.70
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.60	46.24
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.95	47.56
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.51	51.42
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.69	21.84
			<i>For Horizontal, Add</i>	20.71	
			<i>For Dynamic Damper, Add</i>	31.07	
			<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.05	23.16
			<i>For Horizontal, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	32.76	
			<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	230.28	25.70
			<i>For Horizontal, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	34.44	
			<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.87	28.25
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.03	30.88
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.17	33.42
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	291.14	35.97
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	310.10	38.60
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.69	41.14
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.89	43.70
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	387.49	45.00
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	415.72	46.24
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.92	48.86
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.51	51.42
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	504.57	55.28
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.04	57.82
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.30	23.16
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.39	25.70
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	241.75	28.25
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.33	30.88
			<i>For Horizontal, Add</i>	23.80	
			<i>For Dynamic Damper, Add</i>	35.71	
			<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.37	33.42
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	287.39	35.97
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.42	38.60
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.44	41.14
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.64	43.70
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.00	45.00
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	404.47	46.24
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.44	48.86
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.63	51.42
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.71	53.96
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	527.18	56.59
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	559.26	59.14
			<i>For Horizontal, Add</i>	57.26	
			<i>For Dynamic Damper, Add</i>	85.88	
			<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.34	61.68
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.65	25.70
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.75	28.25
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	253.20	30.88
			<i>For Horizontal, Add</i>	24.08	
			<i>For Dynamic Damper, Add</i>	36.13	
			<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.80	33.42
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.77	35.97
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.73	38.60
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.63	41.14
			<i>For Horizontal, Add</i>	29.57	
			<i>For Dynamic Damper, Add</i>	44.35	
			<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.53	43.70
			<i>For Horizontal, Add</i>	31.39	
			<i>For Dynamic Damper, Add</i>	47.09	
			<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.75	45.00
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.10	46.24
			<i>For Horizontal, Add</i>	38.42	
			<i>For Dynamic Damper, Add</i>	57.63	
			<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	427.20	48.86
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.27	51.42
			<i>For Horizontal, Add</i>	45.73	
			<i>For Dynamic Damper, Add</i>	68.60	
			<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	485.73	53.96
			<i>For Horizontal, Add</i>	48.54	
			<i>For Dynamic Damper, Add</i>	72.81	
			<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.43	56.59
			<i>For Horizontal, Add</i>	53.04	
			<i>For Dynamic Damper, Add</i>	79.56	
			<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	557.38	59.14
			<i>For Horizontal, Add</i>	56.97	
			<i>For Dynamic Damper, Add</i>	85.46	
			<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.34	61.68
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.54	64.31
			<i>For Horizontal, Add</i>	64.28	
			<i>For Dynamic Damper, Add</i>	96.42	
			<i>For 3 Hour Rated, Add</i>	85.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	651.77 67.66 101.49 90.21	66.86
23 33 13 16-0348			Round 2 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0349	EA		4" Round 2 Hour Fire Damper	59.54	15.44
23 33 13 16-0350	EA		5" Round 2 Hour Fire Damper	61.59	15.44
23 33 13 16-0351	EA		6" Round 2 Hour Fire Damper	71.96	17.52
23 33 13 16-0352	EA		7" Round 2 Hour Fire Damper	74.19	17.52
23 33 13 16-0353	EA		8" Round 2 Hour Fire Damper	87.74	19.30
23 33 13 16-0354	EA		9" Round 2 Hour Fire Damper	93.88	19.30
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper	104.33	21.46
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper	117.22	24.16
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper	133.34	27.56
23 33 13 16-0358			Round 4 Hour Fire Damper <small>(23 33 13 16)</small>		
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper	67.19	17.52
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper	72.78	17.52
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper	81.96	19.30
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper	89.17	19.30
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper	100.69	21.46
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper	105.09	21.46
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper	117.35	24.16
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper	130.55	27.56
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper	152.30	32.19
23 33 13 19			Smoke-Control Dampers <small>(23 33 13)</small>		
23 33 13 19-0001			Combination Smoke/Fire Damper <small>(23 33 13 19)</small>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	93.25 10.94	12.85
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	96.32 11.21	13.43
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	97.91 11.48	13.55
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	97.91 11.48	13.55
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	100.41 11.74	13.89
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	107.74 12.28	15.40
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	100.41 11.74	13.89
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	105.42 12.28	14.71
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	109.08 12.55	15.40
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	116.21 12.82	17.37
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	104.75 12.15	14.71
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	109.08 12.55	15.40
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	112.75 12.82	16.22
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	117.57 13.09	17.37
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	126.72 13.77	19.34
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	158.35 22.41	15.40
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	163.17 22.68	16.56
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	169.16 22.95	18.18
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	173.95 23.21	19.34
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	183.12 23.89	21.19
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	192.28 24.56	23.16
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	162.02 22.68	16.22
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	167.49 23.08	17.37
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	175.32 23.49	19.34
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	184.47 24.16	21.19
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	192.95 24.70	23.16
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	202.12 25.37	25.02

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23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	209.93	26.98
			<i>For 3 Hour Rated, Add</i>	25.77	
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.83	17.37
			<i>For 3 Hour Rated, Add</i>	22.95	
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.31	19.34
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.79	21.19
			<i>For 3 Hour Rated, Add</i>	24.02	
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	194.98	23.16
			<i>For 3 Hour Rated, Add</i>	25.10	
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.80	25.02
			<i>For 3 Hour Rated, Add</i>	25.51	
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.61	26.98
			<i>For 3 Hour Rated, Add</i>	25.91	
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	219.09	28.95
			<i>For 3 Hour Rated, Add</i>	26.45	
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.57	30.81
			<i>For 3 Hour Rated, Add</i>	26.99	
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.39	19.34
			<i>For 3 Hour Rated, Add</i>	34.50	
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.23	21.19
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.73	23.16
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.56	25.02
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.37	26.98
			<i>For 3 Hour Rated, Add</i>	37.06	
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.18	28.95
			<i>For 3 Hour Rated, Add</i>	37.47	
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.01	30.81
			<i>For 3 Hour Rated, Add</i>	38.27	
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	299.63	34.74
			<i>For 3 Hour Rated, Add</i>	39.08	
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.60	38.56
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	240.23	21.19
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.73	23.16
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.56	25.02
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.04	26.98
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	276.20	28.95
			<i>For 3 Hour Rated, Add</i>	37.87	
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.35	30.81
			<i>For 3 Hour Rated, Add</i>	38.54	
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.97	34.74
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.60	38.56
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.47	40.53
			<i>For 3 Hour Rated, Add</i>	41.78	
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	348.78	44.36
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.76	23.16
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.90	25.02
			<i>For 3 Hour Rated, Add</i>	36.93	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	267.04	26.98
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.52	28.95
			<i>For 3 Hour Rated, Add</i>	37.73	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.60	30.81
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.97	34.74
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.95	38.56
			<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.92	42.38
			<i>For 3 Hour Rated, Add</i>	41.51	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	348.78	44.36
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.48	47.48
			<i>For 3 Hour Rated, Add</i>	45.01	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.35	50.14
			<i>For 3 Hour Rated, Add</i>	47.16	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.82	25.02
			<i>For 3 Hour Rated, Add</i>	38.31	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.53	26.98
			<i>For 3 Hour Rated, Add</i>	38.89	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.24	28.95
			<i>For 3 Hour Rated, Add</i>	39.48	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.43	30.81
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.22	34.74
			<i>For 3 Hour Rated, Add</i>	40.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.20	36.60
			<i>For 3 Hour Rated, Add</i>	41.24	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.90	42.38
			<i>For 3 Hour Rated, Add</i>	42.70	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	359.79	46.32
			<i>For 3 Hour Rated, Add</i>	44.17	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.19	47.82
			<i>For 3 Hour Rated, Add</i>	45.92	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.34	51.30
			<i>For 3 Hour Rated, Add</i>	48.27	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	413.68	53.96
			<i>For 3 Hour Rated, Add</i>	50.31	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	431.18	55.93
			<i>For 3 Hour Rated, Add</i>	52.66	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.33	28.95
			<i>For 3 Hour Rated, Add</i>	48.45	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.97	30.81
			<i>For 3 Hour Rated, Add</i>	49.62	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.23	32.77
			<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	349.49	34.74
			<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.19	36.60
			<i>For 3 Hour Rated, Add</i>	51.24	
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.11	38.56
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	400.34	44.36
			<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	417.77	48.17
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	435.82	51.30
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.02	53.96
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	478.07	57.09
			<i>For 3 Hour Rated, Add</i>	61.34	
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	498.81	58.59
			<i>For 3 Hour Rated, Add</i>	64.56	
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.72	61.72
			<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.05	28.95
			<i>For 3 Hour Rated, Add</i>	49.04	
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	343.70	30.81
			<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.88	32.77
			<i>For 3 Hour Rated, Add</i>	51.09	
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.14	34.74
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	372.79	36.60
			<i>For 3 Hour Rated, Add</i>	52.56	
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	384.43	38.56
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.92	46.32
			<i>For 3 Hour Rated, Add</i>	55.19	
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	433.80	50.14
			<i>For 3 Hour Rated, Add</i>	56.65	
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	460.02	53.96
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	484.78	57.89
			<i>For 3 Hour Rated, Add</i>	62.22	
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	510.99	61.72
			<i>For 3 Hour Rated, Add</i>	65.14	
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	529.96	63.57
			<i>For 3 Hour Rated, Add</i>	67.78	
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	548.93	65.54
			<i>For 3 Hour Rated, Add</i>	70.42	
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	567.91	67.51
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	342.23	30.81
			<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	353.88	32.77
			<i>For 3 Hour Rated, Add</i>	51.09	
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.14	34.74
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.11	38.56
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.55	42.38
			<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.98	46.32
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	432.34	50.14
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	452.70	53.96
			<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	477.46	57.89
			<i>For 3 Hour Rated, Add</i>	60.75	
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	505.13	61.72
			<i>For 3 Hour Rated, Add</i>	63.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.12	63.57
		<i>For 3 Hour Rated, Add</i>	66.61	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.46	65.54
		<i>For 3 Hour Rated, Add</i>	70.12	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.23	69.36
		<i>For 3 Hour Rated, Add</i>	72.76	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.60	71.33
		<i>For 3 Hour Rated, Add</i>	76.27	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.68	77.12
		<i>For 3 Hour Rated, Add</i>	78.62	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.41	32.77
		<i>For 3 Hour Rated, Add</i>	50.80	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	364.06	34.74
		<i>For 3 Hour Rated, Add</i>	51.97	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.50	38.56
		<i>For 3 Hour Rated, Add</i>	53.14	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.55	42.38
		<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.72	46.32
		<i>For 3 Hour Rated, Add</i>	54.75	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.88	50.14
		<i>For 3 Hour Rated, Add</i>	56.07	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.24	53.96
		<i>For 3 Hour Rated, Add</i>	57.83	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.60	57.89
		<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.36	61.72
		<i>For 3 Hour Rated, Add</i>	62.22	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	525.51	65.54
		<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.93	67.51
		<i>For 3 Hour Rated, Add</i>	68.66	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.77	69.36
		<i>For 3 Hour Rated, Add</i>	72.47	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.91	73.30
		<i>For 3 Hour Rated, Add</i>	75.98	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	624.68	77.12
		<i>For 3 Hour Rated, Add</i>	78.62	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.60	82.91
		<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.83	86.73
		<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.14	34.74
		<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.03	38.56
		<i>For 3 Hour Rated, Add</i>	52.85	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.01	42.38
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	409.05	46.32
		<i>For 3 Hour Rated, Add</i>	54.02	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.68	50.14
		<i>For 3 Hour Rated, Add</i>	55.63	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.31	53.96
		<i>For 3 Hour Rated, Add</i>	57.24	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.94	57.89
		<i>For 3 Hour Rated, Add</i>	58.85	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.57	61.72
		<i>For 3 Hour Rated, Add</i>	60.46	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.71	65.54
		<i>For 3 Hour Rated, Add</i>	63.97	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.09	67.51
		<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.97	69.36
		<i>For 3 Hour Rated, Add</i>	70.71	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.06	73.30
		<i>For 3 Hour Rated, Add</i>	74.81	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.21	77.12
		<i>For 3 Hour Rated, Add</i>	78.32	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	653.82	80.94
		<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.04	84.88
		<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	710.65	88.70
		<i>For 3 Hour Rated, Add</i>	88.86	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.26	92.52
		<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.11	38.56
		<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.01	42.38
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.52	46.32
		<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.55	50.14
		<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.92	53.96
		<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.28	57.89
		<i>For 3 Hour Rated, Add</i>	58.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	485.37	61.72
			<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	506.48	65.54
			<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.30	67.51
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	554.65	69.36
			<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	585.29	73.30
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	615.90	77.12
			<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	642.12	80.94
			<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	677.11	84.88
			<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	709.19	88.70
			<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	741.26	92.52
			<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	770.40	96.46
			<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	799.57	100.28
			<i>For 3 Hour Rated, Add</i>	99.70	
23 33 13 19-0173			Smoke Damper <small>(23 33 13 19)</small>		
			Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.27	8.57
			<i>For Dynamic Damper, Add</i>	10.93	
			<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.66	8.95
			<i>For Dynamic Damper, Add</i>	11.20	
			<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.05	9.03
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.05	9.03
			<i>For Dynamic Damper, Add</i>	11.48	
			<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.06	9.27
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.59	10.27
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.06	9.27
			<i>For Dynamic Damper, Add</i>	11.76	
			<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.04	9.80
			<i>For Dynamic Damper, Add</i>	12.31	
			<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.83	10.27
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.91	11.58
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.43	9.80
			<i>For Dynamic Damper, Add</i>	12.17	
			<i>For 3 Hour Rated, Add</i>	10.82	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.83	10.27
			<i>For Dynamic Damper, Add</i>	12.59	
			<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.59	10.81
			<i>For Dynamic Damper, Add</i>	12.86	
			<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.15	11.58
			<i>For Dynamic Damper, Add</i>	13.14	
			<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.08	12.89
			<i>For Dynamic Damper, Add</i>	13.83	
			<i>For 3 Hour Rated, Add</i>	12.30	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.61	10.27
			<i>For Dynamic Damper, Add</i>	22.66	
			<i>For 3 Hour Rated, Add</i>	20.15	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.15	11.04
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.47	12.12
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.01	12.89
			<i>For Dynamic Damper, Add</i>	23.49	
			<i>For 3 Hour Rated, Add</i>	20.88	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.96	14.12
			<i>For Dynamic Damper, Add</i>	24.19	
			<i>For 3 Hour Rated, Add</i>	21.50	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.89	15.44
			<i>For Dynamic Damper, Add</i>	24.88	
			<i>For 3 Hour Rated, Add</i>	22.11	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.38	10.81
			<i>For Dynamic Damper, Add</i>	22.94	
			<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.54	11.58
			<i>For Dynamic Damper, Add</i>	23.36	
			<i>For 3 Hour Rated, Add</i>	20.76	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.26	12.89
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.19	14.12
			<i>For Dynamic Damper, Add</i>	24.46	
			<i>For 3 Hour Rated, Add</i>	21.75	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.50	15.44
			<i>For Dynamic Damper, Add</i>	25.02	
			<i>For 3 Hour Rated, Add</i>	22.24	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.43	16.67
			<i>For Dynamic Damper, Add</i>	25.71	
			<i>For 3 Hour Rated, Add</i>	22.85	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.14	17.98
			<i>For Dynamic Damper, Add</i>	26.12	
			<i>For 3 Hour Rated, Add</i>	23.22	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.93	11.58
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.25	12.89
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.57	14.12
			<i>For Dynamic Damper, Add</i>	24.32	
			<i>For 3 Hour Rated, Add</i>	21.62	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.36	15.44
			<i>For Dynamic Damper, Add</i>	25.43	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.05	16.67
			<i>For Dynamic Damper, Add</i>	25.85	
			<i>For 3 Hour Rated, Add</i>	22.98	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.76	17.98
			<i>For Dynamic Damper, Add</i>	26.26	
			<i>For 3 Hour Rated, Add</i>	23.35	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.07	19.30
			<i>For Dynamic Damper, Add</i>	26.82	
			<i>For 3 Hour Rated, Add</i>	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.39	20.53
			<i>For Dynamic Damper, Add</i>	27.37	
			<i>For 3 Hour Rated, Add</i>	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.30	12.89
			<i>For Dynamic Damper, Add</i>	32.11	
			<i>For 3 Hour Rated, Add</i>	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.86	14.12
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.19	15.44
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.73	16.67
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	208.43	17.98
			<i>For Dynamic Damper, Add</i>	34.74	
			<i>For 3 Hour Rated, Add</i>	30.88	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	214.13	19.30
			<i>For Dynamic Damper, Add</i>	35.15	
			<i>For 3 Hour Rated, Add</i>	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.68	20.53
			<i>For Dynamic Damper, Add</i>	35.98	
			<i>For 3 Hour Rated, Add</i>	31.99	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.09	23.16
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.74	25.70
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	188.86	14.12
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.19	15.44
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.73	16.67
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.04	17.98
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.97	19.30
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	222.90 36.26 32.23	20.53
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.31 37.09 32.97	23.16
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.74 37.92 33.71	25.70
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	256.98 39.58 35.18	27.02
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	270.85 40.97 36.41	29.56
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	198.88 34.33 30.51	15.44
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.94 34.60 30.75	16.67
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.04 34.88 31.00	17.98
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	215.35 35.43 31.49	19.30
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	223.14 36.31 32.28	20.53
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.31 37.09 32.97	23.16
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	246.97 38.20 33.95	25.70
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	259.62 39.31 34.94	28.25
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	270.85 40.97 36.41	29.56
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.64 42.91 38.14	31.65
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	300.88 45.12 40.10	33.42
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	208.52 35.63 31.67	16.67
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.95 36.21 32.18	17.98
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	221.38 36.79 32.70	19.30
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	229.11 37.66 33.47	20.53
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.78 38.09 33.86	23.16
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.58 38.53 34.25	24.39
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.60 39.98 35.54	28.25
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.75 41.42 36.82	30.88
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	287.57 43.17 38.37	31.89
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.82 45.48 40.43	34.20
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	319.25 47.51 42.23	35.97
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.42 49.83 44.30	37.28
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	240.53 41.96 37.30	19.30
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.54 43.12 38.33	20.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.69	21.84
		<i>For Dynamic Damper, Add</i>	43.41	
		<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.84	23.16
		<i>For Dynamic Damper, Add</i>	43.70	
		<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.09	24.39
		<i>For Dynamic Damper, Add</i>	44.72	
		<i>For 3 Hour Rated, Add</i>	39.75	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.46	25.70
		<i>For Dynamic Damper, Add</i>	45.73	
		<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.19	29.56
		<i>For Dynamic Damper, Add</i>	46.89	
		<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.07	32.11
		<i>For Dynamic Damper, Add</i>	48.05	
		<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.97	34.20
		<i>For Dynamic Damper, Add</i>	49.79	
		<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.55	35.97
		<i>For Dynamic Damper, Add</i>	52.98	
		<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.44	38.06
		<i>For Dynamic Damper, Add</i>	54.72	
		<i>For 3 Hour Rated, Add</i>	48.64	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.71	39.06
		<i>For Dynamic Damper, Add</i>	57.91	
		<i>For 3 Hour Rated, Add</i>	51.47	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.78	41.14
		<i>For Dynamic Damper, Add</i>	60.81	
		<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.97	19.30
		<i>For Dynamic Damper, Add</i>	42.54	
		<i>For 3 Hour Rated, Add</i>	37.82	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.98	20.53
		<i>For Dynamic Damper, Add</i>	43.70	
		<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.72	21.84
		<i>For Dynamic Damper, Add</i>	44.57	
		<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.87	23.16
		<i>For Dynamic Damper, Add</i>	44.87	
		<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.89	24.39
		<i>For Dynamic Damper, Add</i>	46.02	
		<i>For 3 Hour Rated, Add</i>	40.91	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.90	25.70
		<i>For Dynamic Damper, Add</i>	47.18	
		<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.79	30.88
		<i>For Dynamic Damper, Add</i>	48.63	
		<i>For 3 Hour Rated, Add</i>	43.23	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.94	33.42
		<i>For Dynamic Damper, Add</i>	50.08	
		<i>For 3 Hour Rated, Add</i>	44.52	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.55	35.97
		<i>For Dynamic Damper, Add</i>	52.98	
		<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.87	38.60
		<i>For Dynamic Damper, Add</i>	55.59	
		<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.46	41.14
		<i>For Dynamic Damper, Add</i>	58.49	
		<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.92	42.38
		<i>For Dynamic Damper, Add</i>	61.10	
		<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.38	43.70
		<i>For Dynamic Damper, Add</i>	63.71	
		<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.84	45.00
		<i>For Dynamic Damper, Add</i>	66.32	
		<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.69	20.53
		<i>For Dynamic Damper, Add</i>	43.41	
		<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.72	21.84
		<i>For Dynamic Damper, Add</i>	44.57	
		<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.87	23.16
		<i>For Dynamic Damper, Add</i>	44.87	
		<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.46	25.70
		<i>For Dynamic Damper, Add</i>	45.73	
		<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.33	28.25
		<i>For Dynamic Damper, Add</i>	46.89	
		<i>For 3 Hour Rated, Add</i>	41.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	306.21 48.05 42.71	30.88
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	321.66 49.79 44.26	33.42
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	337.10 51.53 45.80	35.97
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.42 54.14 48.12	38.60
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	378.31 57.33 50.96	41.14
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	393.78 59.94 53.28	42.38
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	413.09 63.42 56.37	43.70
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	432.41 66.03 58.69	46.24
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	451.73 69.50 61.78	47.56
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	473.61 71.82 63.84	51.42
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.43 44.28 39.36	21.84
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.44 45.44 40.39	23.16
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.32 46.60 41.42	25.70
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	293.33 46.89 41.68	28.25
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	306.86 48.20 42.84	30.88
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.37 49.50 44.00	33.42
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.82 51.24 45.55	35.97
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.27 52.98 47.09	38.60
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	370.59 55.59 49.41	41.14
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	393.76 59.07 52.50	43.70
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	410.50 61.97 55.08	45.00
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	431.12 65.74 58.43	46.24
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	454.29 69.21 61.52	48.86
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	473.61 71.82 63.84	51.42
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	500.65 75.30 66.94	55.28
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	521.26 78.20 69.51	57.82
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.87 44.87 39.88	23.16
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.03 46.31 41.17	25.70
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	294.62 47.18 41.94	28.25
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.62 47.47 42.20	30.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.44 49.07 43.62	33.42
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.24 50.66 45.03	35.97
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.05 52.26 46.45	38.60
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	362.85 53.85 47.87	41.14
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	386.03 57.33 50.96	43.70
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.36 60.81 54.05	45.00
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	423.39 64.00 56.89	46.24
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	449.15 68.06 60.49	48.86
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	472.32 71.53 63.59	51.42
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	496.79 75.30 66.94	53.96
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	517.40 78.20 69.51	56.59
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.87 81.97 72.86	59.14
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	566.34 85.74 76.21	61.68
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	280.46 45.73 40.65	25.70
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	294.62 47.18 41.94	28.25
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	304.91 47.76 42.45	30.88
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.93 48.05 42.71	33.42
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	329.38 49.79 44.26	35.97
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	344.82 51.53 45.80	38.60
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.92 53.42 47.48	41.14
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.01 55.30 49.15	43.70
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	397.62 59.07 52.50	45.00
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.94 62.55 55.60	46.24
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	441.42 66.32 58.95	48.86
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	465.88 70.09 62.30	51.42
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.48 72.98 64.87	53.96
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	514.81 77.62 69.00	56.59
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	540.57 81.68 72.60	59.14
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	566.34 85.74 76.21	61.68
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	589.50 89.21 79.30	64.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	612.70	66.86
			<i>For Dynamic Damper, Add</i>	92.70	
			<i>For 3 Hour Rated, Add</i>	82.40	

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	63.95	8.57
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	77.86	8.95
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	95.01	9.03
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	90.77	9.03
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	86.49	9.27
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	104.24	10.27
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	80.62	9.27
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	101.30	10.27
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	96.53	10.81
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	111.68	11.58
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper	90.95	9.80
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper	92.25	10.81
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper	109.55	11.58
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper	96.14	12.89
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper	109.59	14.12
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper	101.30	10.27
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper	103.12	11.58
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper	93.40	12.89
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper	104.35	12.89
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper	119.18	14.12
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper	133.99	15.44
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper	90.12	10.81
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper	84.05	11.58
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper	100.24	12.89
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper	116.43	14.12
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper	132.61	15.44
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper	151.96	16.67
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper	172.40	19.30
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper	138.92	20.53
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper	162.06	23.16
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper	98.85	11.58
23 33 13 23-0033	EA		20" x 8" Horizontally Mounted Backdraft Damper	93.40	12.89
23 33 13 23-0034	EA		20" x 10" Horizontally Mounted Backdraft Damper	110.95	14.12
23 33 13 23-0035	EA		20" x 12" Horizontally Mounted Backdraft Damper	128.52	15.44
23 33 13 23-0036	EA		20" x 14" Horizontally Mounted Backdraft Damper	149.13	16.67
23 33 13 23-0037	EA		20" x 16" Horizontally Mounted Backdraft Damper	167.13	17.98
23 33 13 23-0038	EA		20" x 18" Horizontally Mounted Backdraft Damper	138.92	20.53
23 33 13 23-0039	EA		20" x 20" Horizontally Mounted Backdraft Damper	147.49	20.53
23 33 13 23-0040	EA		20" x 24" Horizontally Mounted Backdraft Damper	172.35	23.16
23 33 13 23-0041	EA		20" x 28" Horizontally Mounted Backdraft Damper	197.22	25.70
23 33 13 23-0042	EA		20" x 32" Horizontally Mounted Backdraft Damper	182.90	28.25
23 33 13 23-0043	EA		20" x 36" Horizontally Mounted Backdraft Damper	202.85	30.88
23 33 13 23-0044	EA		24" x 6" Horizontally Mounted Backdraft Damper	87.91	12.89
23 33 13 23-0045	EA		24" x 8" Horizontally Mounted Backdraft Damper	108.21	14.12
23 33 13 23-0046	EA		24" x 10" Horizontally Mounted Backdraft Damper	128.52	15.44
23 33 13 23-0047	EA		24" x 12" Horizontally Mounted Backdraft Damper	151.96	16.67
23 33 13 23-0048	EA		24" x 14" Horizontally Mounted Backdraft Damper	129.91	19.30
23 33 13 23-0049	EA		24" x 16" Horizontally Mounted Backdraft Damper	144.05	20.53
23 33 13 23-0050	EA		24" x 18" Horizontally Mounted Backdraft Damper	162.06	23.16
23 33 13 23-0051	EA		24" x 20" Horizontally Mounted Backdraft Damper	172.35	23.16
23 33 13 23-0052	EA		24" x 24" Horizontally Mounted Backdraft Damper	200.65	25.70
23 33 13 23-0053	EA		24" x 28" Horizontally Mounted Backdraft Damper	187.78	28.25
23 33 13 23-0054	EA		24" x 32" Horizontally Mounted Backdraft Damper	210.21	30.88
23 33 13 23-0055	EA		24" x 36" Horizontally Mounted Backdraft Damper	232.62	33.42
23 33 13 23-0056	EA		24" x 40" Horizontally Mounted Backdraft Damper	225.65	35.97
23 33 13 23-0057	EA		24" x 44" Horizontally Mounted Backdraft Damper	245.12	38.60
23 33 13 23-0058	EA		24" x 48" Horizontally Mounted Backdraft Damper	256.88	38.60
23 33 13 23-0059	EA		28" x 6" Horizontally Mounted Backdraft Damper	96.14	12.89
23 33 13 23-0060	EA		28" x 8" Horizontally Mounted Backdraft Damper	119.18	14.12
23 33 13 23-0061	EA		28" x 10" Horizontally Mounted Backdraft Damper	149.13	16.67
23 33 13 23-0062	EA		28" x 12" Horizontally Mounted Backdraft Damper	129.91	19.30
23 33 13 23-0063	EA		28" x 14" Horizontally Mounted Backdraft Damper	145.77	20.53
23 33 13 23-0064	EA		28" x 16" Horizontally Mounted Backdraft Damper	165.50	23.16
23 33 13 23-0065	EA		28" x 18" Horizontally Mounted Backdraft Damper	185.23	25.70
23 33 13 23-0066	EA		28" x 20" Horizontally Mounted Backdraft Damper	197.22	25.70
23 33 13 23-0067	EA		28" x 24" Horizontally Mounted Backdraft Damper	187.78	28.25
23 33 13 23-0068	EA		28" x 28" Horizontally Mounted Backdraft Damper	212.66	30.88
23 33 13 23-0069	EA		28" x 32" Horizontally Mounted Backdraft Damper	237.52	33.42
23 33 13 23-0070	EA		28" x 36" Horizontally Mounted Backdraft Damper	239.24	38.60
23 33 13 23-0071	EA		28" x 40" Horizontally Mounted Backdraft Damper	252.96	38.60
23 33 13 23-0072	EA		28" x 44" Horizontally Mounted Backdraft Damper	274.39	41.14
23 33 13 23-0073	EA		28" x 48" Horizontally Mounted Backdraft Damper	295.83	43.70
23 33 13 23-0074	EA		28" x 52" Horizontally Mounted Backdraft Damper	309.55	43.70
23 33 13 23-0075	EA		28" x 56" Horizontally Mounted Backdraft Damper	306.98	46.24
23 33 13 23-0076	EA		28" x 60" Horizontally Mounted Backdraft Damper	318.97	46.24
23 33 13 23-0077	EA		32" x 6" Horizontally Mounted Backdraft Damper	108.21	14.12
23 33 13 23-0078	EA		32" x 8" Horizontally Mounted Backdraft Damper	140.65	16.67

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0079	EA	32" x 10"	Horizontally Mounted Backdraft Damper	167.13	17.98
23 33 13 23-0080	EA	32" x 12"	Horizontally Mounted Backdraft Damper	144.05	20.53
23 33 13 23-0081	EA	32" x 14"	Horizontally Mounted Backdraft Damper	165.50	23.16
23 33 13 23-0082	EA	32" x 16"	Horizontally Mounted Backdraft Damper	186.93	25.70
23 33 13 23-0083	EA	32" x 18"	Horizontally Mounted Backdraft Damper	165.37	25.70
23 33 13 23-0084	EA	32" x 20"	Horizontally Mounted Backdraft Damper	182.90	28.25
23 33 13 23-0085	EA	32" x 24"	Horizontally Mounted Backdraft Damper	210.21	30.88
23 33 13 23-0086	EA	32" x 28"	Horizontally Mounted Backdraft Damper	237.52	33.42
23 33 13 23-0087	EA	32" x 32"	Horizontally Mounted Backdraft Damper	241.20	38.60
23 33 13 23-0088	EA	32" x 36"	Horizontally Mounted Backdraft Damper	256.88	38.60
23 33 13 23-0089	EA	32" x 40"	Horizontally Mounted Backdraft Damper	280.27	41.14
23 33 13 23-0090	EA	32" x 44"	Horizontally Mounted Backdraft Damper	303.67	43.70
23 33 13 23-0091	EA	32" x 48"	Horizontally Mounted Backdraft Damper	303.55	46.24
23 33 13 23-0092	EA	32" x 52"	Horizontally Mounted Backdraft Damper	317.27	46.24
23 33 13 23-0093	EA	32" x 56"	Horizontally Mounted Backdraft Damper	338.70	48.86
23 33 13 23-0094	EA	32" x 60"	Horizontally Mounted Backdraft Damper	352.42	48.86
23 33 13 23-0095	EA	32" x 64"	Horizontally Mounted Backdraft Damper	342.49	51.42
23 33 13 23-0096	EA	32" x 68"	Horizontally Mounted Backdraft Damper	354.24	51.42
23 33 13 23-0097	EA	32" x 72"	Horizontally Mounted Backdraft Damper	373.72	53.96
23 33 13 23-0098	EA	36" x 6"	Horizontally Mounted Backdraft Damper	116.43	14.12
23 33 13 23-0099	EA	36" x 8"	Horizontally Mounted Backdraft Damper	155.82	17.98
23 33 13 23-0100	EA	36" x 10"	Horizontally Mounted Backdraft Damper	138.92	20.53
23 33 13 23-0101	EA	36" x 12"	Horizontally Mounted Backdraft Damper	162.06	23.16
23 33 13 23-0102	EA	36" x 14"	Horizontally Mounted Backdraft Damper	185.23	25.70
23 33 13 23-0103	EA	36" x 16"	Horizontally Mounted Backdraft Damper	165.37	25.70
23 33 13 23-0104	EA	36" x 18"	Horizontally Mounted Backdraft Damper	184.11	28.25
23 33 13 23-0105	EA	36" x 20"	Horizontally Mounted Backdraft Damper	202.85	30.88
23 33 13 23-0106	EA	36" x 24"	Horizontally Mounted Backdraft Damper	232.62	33.42
23 33 13 23-0107	EA	36" x 28"	Horizontally Mounted Backdraft Damper	239.24	38.60
23 33 13 23-0108	EA	36" x 32"	Horizontally Mounted Backdraft Damper	256.88	38.60
23 33 13 23-0109	EA	36" x 36"	Horizontally Mounted Backdraft Damper	282.22	41.14
23 33 13 23-0110	EA	36" x 40"	Horizontally Mounted Backdraft Damper	307.58	43.70
23 33 13 23-0111	EA	36" x 44"	Horizontally Mounted Backdraft Damper	308.68	46.24
23 33 13 23-0112	EA	36" x 48"	Horizontally Mounted Backdraft Damper	331.84	48.86
23 33 13 23-0113	EA	36" x 52"	Horizontally Mounted Backdraft Damper	347.27	48.86
23 33 13 23-0114	EA	36" x 56"	Horizontally Mounted Backdraft Damper	339.55	51.42
23 33 13 23-0115	EA	36" x 60"	Horizontally Mounted Backdraft Damper	352.78	51.42
23 33 13 23-0116	EA	36" x 64"	Horizontally Mounted Backdraft Damper	373.72	53.96
23 33 13 23-0117	EA	36" x 68"	Horizontally Mounted Backdraft Damper	386.94	53.96
23 33 13 23-0118	EA	36" x 72"	Horizontally Mounted Backdraft Damper	400.18	53.96
23 33 13 23-0119	EA	40" x 6"	Horizontally Mounted Backdraft Damper	128.52	15.44
23 33 13 23-0120	EA	40" x 8"	Horizontally Mounted Backdraft Damper	170.99	19.30
23 33 13 23-0121	EA	40" x 10"	Horizontally Mounted Backdraft Damper	147.49	20.53
23 33 13 23-0122	EA	40" x 12"	Horizontally Mounted Backdraft Damper	172.35	23.16
23 33 13 23-0123	EA	40" x 14"	Horizontally Mounted Backdraft Damper	197.22	25.70
23 33 13 23-0124	EA	40" x 16"	Horizontally Mounted Backdraft Damper	182.90	28.25
23 33 13 23-0125	EA	40" x 18"	Horizontally Mounted Backdraft Damper	202.85	30.88
23 33 13 23-0126	EA	40" x 20"	Horizontally Mounted Backdraft Damper	222.81	33.42
23 33 13 23-0127	EA	40" x 24"	Horizontally Mounted Backdraft Damper	225.65	35.97
23 33 13 23-0128	EA	40" x 28"	Horizontally Mounted Backdraft Damper	252.96	38.60
23 33 13 23-0129	EA	40" x 32"	Horizontally Mounted Backdraft Damper	280.27	41.14
23 33 13 23-0130	EA	40" x 36"	Horizontally Mounted Backdraft Damper	307.58	43.70
23 33 13 23-0131	EA	40" x 40"	Horizontally Mounted Backdraft Damper	310.40	46.24
23 33 13 23-0132	EA	40" x 44"	Horizontally Mounted Backdraft Damper	335.26	48.86
23 33 13 23-0133	EA	40" x 48"	Horizontally Mounted Backdraft Damper	352.42	48.86
23 33 13 23-0134	EA	40" x 50"	Horizontally Mounted Backdraft Damper	338.09	51.42
23 33 13 23-0135	EA	44" x 6"	Horizontally Mounted Backdraft Damper	143.48	16.67
23 33 13 23-0136	EA	44" x 8"	Horizontally Mounted Backdraft Damper	137.20	20.53
23 33 13 23-0137	EA	44" x 10"	Horizontally Mounted Backdraft Damper	163.78	23.16
23 33 13 23-0138	EA	44" x 12"	Horizontally Mounted Backdraft Damper	190.37	25.70
23 33 13 23-0139	EA	44" x 14"	Horizontally Mounted Backdraft Damper	179.21	28.25
23 33 13 23-0140	EA	44" x 16"	Horizontally Mounted Backdraft Damper	200.40	30.88
23 33 13 23-0141	EA	44" x 18"	Horizontally Mounted Backdraft Damper	213.88	30.88
23 33 13 23-0142	EA	44" x 20"	Horizontally Mounted Backdraft Damper	235.07	33.42
23 33 13 23-0143	EA	44" x 24"	Horizontally Mounted Backdraft Damper	245.12	38.60
23 33 13 23-0144	EA	44" x 28"	Horizontally Mounted Backdraft Damper	274.39	41.14
23 33 13 23-0145	EA	44" x 32"	Horizontally Mounted Backdraft Damper	303.67	43.70
23 33 13 23-0146	EA	44" x 36"	Horizontally Mounted Backdraft Damper	308.68	46.24
23 33 13 23-0147	EA	44" x 40"	Horizontally Mounted Backdraft Damper	335.26	48.86
23 33 13 23-0148	EA	44" x 44"	Horizontally Mounted Backdraft Damper	354.12	48.86
23 33 13 23-0149	EA	44" x 48"	Horizontally Mounted Backdraft Damper	348.38	51.42
23 33 13 23-0150	EA	44" x 50"	Horizontally Mounted Backdraft Damper	356.44	51.42
23 33 13 23-0151	EA	48" x 6"	Horizontally Mounted Backdraft Damper	155.82	17.98
23 33 13 23-0152	EA	48" x 8"	Horizontally Mounted Backdraft Damper	144.05	20.53
23 33 13 23-0153	EA	48" x 10"	Horizontally Mounted Backdraft Damper	172.35	23.16
23 33 13 23-0154	EA	48" x 12"	Horizontally Mounted Backdraft Damper	165.37	25.70
23 33 13 23-0155	EA	48" x 14"	Horizontally Mounted Backdraft Damper	187.78	28.25
23 33 13 23-0156	EA	48" x 16"	Horizontally Mounted Backdraft Damper	210.21	30.88
23 33 13 23-0157	EA	48" x 18"	Horizontally Mounted Backdraft Damper	232.62	33.42
23 33 13 23-0158	EA	48" x 20"	Horizontally Mounted Backdraft Damper	225.65	35.97
23 33 13 23-0159	EA	48" x 24"	Horizontally Mounted Backdraft Damper	256.88	38.60
23 33 13 23-0160	EA	48" x 28"	Horizontally Mounted Backdraft Damper	295.83	43.70
23 33 13 23-0161	EA	48" x 32"	Horizontally Mounted Backdraft Damper	303.55	46.24
23 33 13 23-0162	EA	48" x 36"	Horizontally Mounted Backdraft Damper	331.84	48.86
23 33 13 23-0163	EA	48" x 40"	Horizontally Mounted Backdraft Damper	352.42	48.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 23-0164	EA	48" x 44"	Horizontally Mounted Backdraft Damper.....	348.38	51.42
23 33 13 23-0165	EA	48" x 48"	Horizontally Mounted Backdraft Damper.....	373.72	53.96
23 33 13 23-0166	EA	48" x 50"	Horizontally Mounted Backdraft Damper.....	382.54	53.96
23 33 13 23-0167	EA	50" x 6"	Horizontally Mounted Backdraft Damper.....	160.06	17.98
23 33 13 23-0168	EA	50" x 8"	Horizontally Mounted Backdraft Damper.....	155.21	23.16
23 33 13 23-0169	EA	50" x 10"	Horizontally Mounted Backdraft Damper.....	184.37	25.70
23 33 13 23-0170	EA	50" x 12"	Horizontally Mounted Backdraft Damper.....	176.76	28.25
23 33 13 23-0171	EA	50" x 14"	Horizontally Mounted Backdraft Damper.....	199.80	30.88
23 33 13 23-0172	EA	50" x 16"	Horizontally Mounted Backdraft Damper.....	222.81	33.42
23 33 13 23-0173	EA	50" x 18"	Horizontally Mounted Backdraft Damper.....	245.85	35.97
23 33 13 23-0174	EA	50" x 20"	Horizontally Mounted Backdraft Damper.....	238.25	38.60
23 33 13 23-0175	EA	50" x 24"	Horizontally Mounted Backdraft Damper.....	270.47	41.14
23 33 13 23-0176	EA	50" x 28"	Horizontally Mounted Backdraft Damper.....	302.68	43.70
23 33 13 23-0177	EA	50" x 32"	Horizontally Mounted Backdraft Damper.....	310.40	46.24
23 33 13 23-0178	EA	50" x 36"	Horizontally Mounted Backdraft Damper.....	339.56	48.86
23 33 13 23-0179	EA	50" x 40"	Horizontally Mounted Backdraft Damper.....	338.09	51.42
23 33 13 23-0180	EA	50" x 44"	Horizontally Mounted Backdraft Damper.....	356.44	51.42
23 33 13 23-0181	EA	50" x 48"	Horizontally Mounted Backdraft Damper.....	382.54	53.96
23 33 13 23-0182	EA	50" x 50"	Horizontally Mounted Backdraft Damper.....	391.72	53.96

23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6"	Vertically Mounted Backdraft Damper.....	69.75	8.57
23 33 13 23-0185	EA	8" x 6"	Vertically Mounted Backdraft Damper.....	85.61	8.95
23 33 13 23-0186	EA	10" x 6"	Vertically Mounted Backdraft Damper.....	88.21	9.03
23 33 13 23-0187	EA	8" x 8"	Vertically Mounted Backdraft Damper.....	92.29	9.03
23 33 13 23-0188	EA	12" x 6"	Vertically Mounted Backdraft Damper.....	101.23	9.27
23 33 13 23-0189	EA	10" x 8"	Vertically Mounted Backdraft Damper.....	112.47	10.27
23 33 13 23-0190	EA	14" x 6"	Vertically Mounted Backdraft Damper.....	113.47	9.27
23 33 13 23-0191	EA	12" x 8"	Vertically Mounted Backdraft Damper.....	128.78	10.27
23 33 13 23-0192	EA	16" x 6"	Vertically Mounted Backdraft Damper.....	130.32	10.81
23 33 13 23-0193	EA	10" x 10"	Vertically Mounted Backdraft Damper.....	136.72	11.58
23 33 13 23-0194	EA	18" x 6"	Vertically Mounted Backdraft Damper.....	109.84	9.80
23 33 13 23-0195	EA	14" x 8"	Vertically Mounted Backdraft Damper.....	115.92	10.81
23 33 13 23-0196	EA	12" x 10"	Vertically Mounted Backdraft Damper.....	124.20	11.58
23 33 13 23-0197	EA	20" x 6"	Vertically Mounted Backdraft Damper.....	128.06	12.89
23 33 13 23-0198	EA	16" x 8"	Vertically Mounted Backdraft Damper.....	137.88	14.12
23 33 13 23-0199	EA	14" x 10"	Vertically Mounted Backdraft Damper.....	135.24	10.27
23 33 13 23-0200	EA	12" x 12"	Vertically Mounted Backdraft Damper.....	142.09	11.58
23 33 13 23-0201	EA	18" x 8"	Vertically Mounted Backdraft Damper.....	124.05	12.89
23 33 13 23-0202	EA	24" x 6"	Vertically Mounted Backdraft Damper.....	124.05	12.89
23 33 13 23-0203	EA	16" x 10"	Vertically Mounted Backdraft Damper.....	137.40	14.12
23 33 13 23-0204	EA	20" x 8"	Vertically Mounted Backdraft Damper.....	141.26	15.44
23 33 13 23-0205	EA	14" x 12"	Vertically Mounted Backdraft Damper.....	132.10	10.81
23 33 13 23-0206	EA	28" x 6"	Vertically Mounted Backdraft Damper.....	134.42	11.58
23 33 13 23-0207	EA	18" x 10"	Vertically Mounted Backdraft Damper.....	145.40	12.89
23 33 13 23-0208	EA	16" x 12"	Vertically Mounted Backdraft Damper.....	156.38	14.12
23 33 13 23-0209	EA	24" x 8"	Vertically Mounted Backdraft Damper.....	160.24	15.44
23 33 13 23-0210	EA	32" x 6"	Vertically Mounted Backdraft Damper.....	164.09	16.67
23 33 13 23-0211	EA	14" x 14"	Vertically Mounted Backdraft Damper.....	174.19	19.30
23 33 13 23-0212	EA	20" x 10"	Vertically Mounted Backdraft Damper.....	172.18	20.53
23 33 13 23-0213	EA	18" x 12"	Vertically Mounted Backdraft Damper.....	188.74	23.16
23 33 13 23-0214	EA	36" x 6"	Vertically Mounted Backdraft Damper.....	154.01	11.58
23 33 13 23-0215	EA	16" x 14"	Vertically Mounted Backdraft Damper.....	162.29	12.89
23 33 13 23-0216	EA	28" x 8"	Vertically Mounted Backdraft Damper.....	166.15	14.12
23 33 13 23-0217	EA	20" x 12"	Vertically Mounted Backdraft Damper.....	178.83	15.44
23 33 13 23-0218	EA	24" x 10"	Vertically Mounted Backdraft Damper.....	182.68	16.67
23 33 13 23-0219	EA	40" x 6"	Vertically Mounted Backdraft Damper.....	186.54	17.98
23 33 13 23-0220	EA	18" x 14"	Vertically Mounted Backdraft Damper.....	200.90	20.53
23 33 13 23-0221	EA	16" x 16"	Vertically Mounted Backdraft Damper.....	203.10	20.53
23 33 13 23-0222	EA	32" x 8"	Vertically Mounted Backdraft Damper.....	210.82	23.16
23 33 13 23-0223	EA	44" x 6"	Vertically Mounted Backdraft Damper.....	222.97	25.70
23 33 13 23-0224	EA	20" x 14"	Vertically Mounted Backdraft Damper.....	239.52	28.25
23 33 13 23-0225	EA	28" x 10"	Vertically Mounted Backdraft Damper.....	247.24	30.88
23 33 13 23-0226	EA	18" x 16"	Vertically Mounted Backdraft Damper.....	197.62	12.89
23 33 13 23-0227	EA	24" x 12"	Vertically Mounted Backdraft Damper.....	201.48	14.12
23 33 13 23-0228	EA	36" x 8"	Vertically Mounted Backdraft Damper.....	205.34	15.44
23 33 13 23-0229	EA	48" x 6"	Vertically Mounted Backdraft Damper.....	209.19	16.67
23 33 13 23-0230	EA	50" x 6"	Vertically Mounted Backdraft Damper.....	223.53	19.30
23 33 13 23-0231	EA	20" x 16"	Vertically Mounted Backdraft Damper.....	238.43	20.53
23 33 13 23-0232	EA	32" x 10"	Vertically Mounted Backdraft Damper.....	246.15	23.16
23 33 13 23-0233	EA	40" x 8"	Vertically Mounted Backdraft Damper.....	246.15	23.16
23 33 13 23-0234	EA	18" x 18"	Vertically Mounted Backdraft Damper.....	218.55	25.70
23 33 13 23-0235	EA	24" x 14"	Vertically Mounted Backdraft Damper.....	206.64	28.25
23 33 13 23-0236	EA	28" x 12"	Vertically Mounted Backdraft Damper.....	214.36	30.88
23 33 13 23-0237	EA	44" x 8"	Vertically Mounted Backdraft Damper.....	227.88	33.42
23 33 13 23-0238	EA	18" x 20"	Vertically Mounted Backdraft Damper.....	238.49	35.97
23 33 13 23-0239	EA	20" x 18"	Vertically Mounted Backdraft Damper.....	246.21	38.60
23 33 13 23-0240	EA	36" x 10"	Vertically Mounted Backdraft Damper.....	246.21	38.60
23 33 13 23-0241	EA	24" x 16"	Vertically Mounted Backdraft Damper.....	177.71	12.89
23 33 13 23-0242	EA	32" x 12"	Vertically Mounted Backdraft Damper.....	181.57	14.12
23 33 13 23-0243	EA	48" x 8"	Vertically Mounted Backdraft Damper.....	189.28	16.67
23 33 13 23-0244	EA	28" x 14"	Vertically Mounted Backdraft Damper.....	199.90	19.30
23 33 13 23-0245	EA	20" x 20"	Vertically Mounted Backdraft Damper.....	206.66	20.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper	214.38	23.16
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper	222.11	25.70
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper	233.70	25.70
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper	241.42	28.25
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper	249.14	30.88
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper	259.76	33.42
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper	278.10	38.60
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper	278.10	38.60
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper	298.86	41.14
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper	279.89	43.70
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper	279.89	43.70
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper	287.61	46.24
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper	293.80	46.24
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper	198.53	14.12
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper	206.24	16.67
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper	212.59	17.98
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper	225.25	20.53
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper	242.88	23.16
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper	250.61	25.70
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper	250.61	25.70
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper	263.29	28.25
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper	271.01	30.88
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper	278.73	33.42
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper	294.17	38.60
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper	301.61	38.60
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper	314.28	41.14
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper	329.43	43.70
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper	337.15	46.24
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper	337.15	46.24
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper	347.34	48.86
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper	356.02	48.86
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper	345.78	51.42
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper	345.78	51.42
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper	361.48	53.96
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper	242.96	14.12
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper	259.09	17.98
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper	266.81	20.53
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper	274.53	23.16
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper	295.93	25.70
23 33 13 23-0285	EA		32" x 24" Vertically Mounted Backdraft Damper	295.93	25.70
23 33 13 23-0286	EA		48" x 16" Vertically Mounted Backdraft Damper	303.65	28.25
23 33 13 23-0287	EA		28" x 28" Vertically Mounted Backdraft Damper	315.93	30.88
23 33 13 23-0288	EA		44" x 18" Vertically Mounted Backdraft Damper	325.92	33.42
23 33 13 23-0289	EA		40" x 20" Vertically Mounted Backdraft Damper	343.64	38.60
23 33 13 23-0290	EA		50" x 16" Vertically Mounted Backdraft Damper	343.64	38.60
23 33 13 23-0291	EA		24" x 36" Vertically Mounted Backdraft Damper	369.59	41.14
23 33 13 23-0292	EA		36" x 24" Vertically Mounted Backdraft Damper	377.31	43.70
23 33 13 23-0293	EA		48" x 18" Vertically Mounted Backdraft Damper	385.03	46.24
23 33 13 23-0294	EA		44" x 20" Vertically Mounted Backdraft Damper	397.31	48.86
23 33 13 23-0295	EA		28" x 32" Vertically Mounted Backdraft Damper	401.87	48.86
23 33 13 23-0296	EA		32" x 28" Vertically Mounted Backdraft Damper	409.58	51.42
23 33 13 23-0297	EA		50" x 18" Vertically Mounted Backdraft Damper	410.71	51.42
23 33 13 23-0298	EA		24" x 40" Vertically Mounted Backdraft Damper	435.52	53.96
23 33 13 23-0299	EA		40" x 24" Vertically Mounted Backdraft Damper	435.52	53.96
23 33 13 23-0300	EA		48" x 20" Vertically Mounted Backdraft Damper	435.52	53.96
23 33 13 23-0301	EA		50" x 20" Vertically Mounted Backdraft Damper	331.12	15.44
23 33 13 23-0302	EA		28" x 36" Vertically Mounted Backdraft Damper	344.97	19.30
23 33 13 23-0303	EA		36" x 28" Vertically Mounted Backdraft Damper	348.83	20.53
23 33 13 23-0304	EA		32" x 32" Vertically Mounted Backdraft Damper	361.11	23.16
23 33 13 23-0305	EA		24" x 44" Vertically Mounted Backdraft Damper	345.44	25.70
23 33 13 23-0306	EA		44" x 24" Vertically Mounted Backdraft Damper	353.16	28.25
23 33 13 23-0307	EA		28" x 40" Vertically Mounted Backdraft Damper	377.12	30.88
23 33 13 23-0308	EA		40" x 28" Vertically Mounted Backdraft Damper	384.84	33.42
23 33 13 23-0309	EA		24" x 48" Vertically Mounted Backdraft Damper	400.70	35.97
23 33 13 23-0310	EA		32" x 36" Vertically Mounted Backdraft Damper	408.42	38.60
23 33 13 23-0311	EA		36" x 32" Vertically Mounted Backdraft Damper	416.14	41.14
23 33 13 23-0312	EA		48" x 24" Vertically Mounted Backdraft Damper	423.86	43.70
23 33 13 23-0313	EA		50" x 24" Vertically Mounted Backdraft Damper	443.77	46.24
23 33 13 23-0314	EA		28" x 44" Vertically Mounted Backdraft Damper	459.61	48.86
23 33 13 23-0315	EA		44" x 28" Vertically Mounted Backdraft Damper	459.61	48.86
23 33 13 23-0316	EA		32" x 40" Vertically Mounted Backdraft Damper	479.52	51.42
23 33 13 23-0317	EA		40" x 32" Vertically Mounted Backdraft Damper	375.30	16.67
23 33 13 23-0318	EA		36" x 36" Vertically Mounted Backdraft Damper	390.94	20.53
23 33 13 23-0319	EA		28" x 48" Vertically Mounted Backdraft Damper	410.85	23.16
23 33 13 23-0320	EA		48" x 28" Vertically Mounted Backdraft Damper	418.58	25.70
23 33 13 23-0321	EA		50" x 28" Vertically Mounted Backdraft Damper	440.52	28.25
23 33 13 23-0322	EA		32" x 44" Vertically Mounted Backdraft Damper	450.28	30.88
23 33 13 23-0323	EA		44" x 32" Vertically Mounted Backdraft Damper	450.28	30.88
23 33 13 23-0324	EA		36" x 40" Vertically Mounted Backdraft Damper	467.15	33.42
23 33 13 23-0325	EA		40" x 36" Vertically Mounted Backdraft Damper	444.99	38.60
23 33 13 23-0326	EA		28" x 52" Vertically Mounted Backdraft Damper	456.36	41.14
23 33 13 23-0327	EA		32" x 48" Vertically Mounted Backdraft Damper	482.37	43.70
23 33 13 23-0328	EA		48" x 32" Vertically Mounted Backdraft Damper	490.09	46.24
23 33 13 23-0329	EA		28" x 56" Vertically Mounted Backdraft Damper	505.13	48.86
23 33 13 23-0330	EA		36" x 44" Vertically Mounted Backdraft Damper	508.80	48.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0331	EA		44" x 36" Vertically Mounted Backdraft Damper	516.51	51.42
23 33 13 23-0332	EA		40" x 40" Vertically Mounted Backdraft Damper	520.16	51.42
23 33 13 23-0333	EA		50" x 32" Vertically Mounted Backdraft Damper	419.80	17.98
23 33 13 23-0334	EA		32" x 52" Vertically Mounted Backdraft Damper	442.15	20.53
23 33 13 23-0335	EA		28" x 60" Vertically Mounted Backdraft Damper	453.52	23.16
23 33 13 23-0336	EA		36" x 48" Vertically Mounted Backdraft Damper	472.24	25.70
23 33 13 23-0337	EA		48" x 36" Vertically Mounted Backdraft Damper	479.96	28.25
23 33 13 23-0338	EA		40" x 44" Vertically Mounted Backdraft Damper	495.00	30.88
23 33 13 23-0339	EA		44" x 40" Vertically Mounted Backdraft Damper	502.72	33.42
23 33 13 23-0340	EA		32" x 56" Vertically Mounted Backdraft Damper	517.74	35.97
23 33 13 23-0341	EA		50" x 36" Vertically Mounted Backdraft Damper	481.57	38.60
23 33 13 23-0342	EA		36" x 52" Vertically Mounted Backdraft Damper	511.64	43.70
23 33 13 23-0343	EA		32" x 60" Vertically Mounted Backdraft Damper	529.11	46.24
23 33 13 23-0344	EA		40" x 48" Vertically Mounted Backdraft Damper	536.83	48.86
23 33 13 23-0345	EA		48" x 40" Vertically Mounted Backdraft Damper	536.83	48.86
23 33 13 23-0346	EA		44" x 44" Vertically Mounted Backdraft Damper	547.80	51.42
23 33 13 23-0347	EA		40" x 50" Vertically Mounted Backdraft Damper	568.53	53.96
23 33 13 23-0348	EA		50" x 40" Vertically Mounted Backdraft Damper	568.53	53.96
23 33 13 23-0349	EA		36" x 56" Vertically Mounted Backdraft Damper	463.69	17.98
23 33 13 23-0350	EA		32" x 64" Vertically Mounted Backdraft Damper	485.64	23.16
23 33 13 23-0351	EA		44" x 48" Vertically Mounted Backdraft Damper	506.38	25.70
23 33 13 23-0352	EA		48" x 44" Vertically Mounted Backdraft Damper	514.10	28.25
23 33 13 23-0353	EA		36" x 60" Vertically Mounted Backdraft Damper	531.57	30.88
23 33 13 23-0354	EA		32" x 68" Vertically Mounted Backdraft Damper	542.54	33.42
23 33 13 23-0355	EA		44" x 50" Vertically Mounted Backdraft Damper	499.25	35.97
23 33 13 23-0356	EA		50" x 44" Vertically Mounted Backdraft Damper	506.97	38.60
23 33 13 23-0357	EA		32" x 72" Vertically Mounted Backdraft Damper	533.18	41.14
23 33 13 23-0358	EA		36" x 64" Vertically Mounted Backdraft Damper	540.90	43.70
23 33 13 23-0359	EA		48" x 48" Vertically Mounted Backdraft Damper	548.62	46.24
23 33 13 23-0360	EA		48" x 50" Vertically Mounted Backdraft Damper	573.40	48.86
23 33 13 23-0361	EA		50" x 48" Vertically Mounted Backdraft Damper	581.11	51.42
23 33 13 23-0362	EA		36" x 68" Vertically Mounted Backdraft Damper	589.65	51.42
23 33 13 23-0363	EA		50" x 50" Vertically Mounted Backdraft Damper	606.62	53.96
23 33 13 23-0364	EA		36" x 72" Vertically Mounted Backdraft Damper	622.97	53.96
23 33 13 23-0365			Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366	EA		For Motor Pack For Horizontally Mounted Backdraft Damper.....	171.96	20.68
23 33 13 23-0367	EA		For Motor Pack For Vertically Mounted Backdraft Damper.....	291.84	20.68
23 33 13 33			Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001	EA		Splitter Damper, Hardware	28.14	5.38
23 33 13 43			Blower Check Valve (23 33 13)		
23 33 13 43-0001			Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002	EA		2-1/2" Blower Check Valves, Silicone Seals.....	179.58	19.91
23 33 13 43-0003	EA		3" Blower Check Valves, Silicone Seals	200.50	22.69
23 33 13 43-0004	EA		4" Blower Check Valves, Silicone Seals	257.48	30.11
23 33 13 43-0005	EA		5" Blower Check Valves, Silicone Seals	356.09	34.74
23 33 13 43-0006	EA		6" Blower Check Valves, Silicone Seals	398.85	41.69
23 33 13 43-0007	EA		8" Blower Check Valves, Silicone Seals	594.96	52.80
23 33 13 43-0008			Blower Check Valves With Viton Seats (23 33 13 43)		
23 33 13 43-0009	EA		2-1/2" Blower Check Valves, Viton Seats	248.70	19.91
23 33 13 43-0010	EA		3" Blower Check Valves, Viton Seats	282.65	22.69
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats	314.68	30.11
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats	441.73	34.74
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats	493.39	41.69
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats	762.19	52.80
23 33 19			Duct Silencers (23 33)		
23 33 19 00-0001			36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002	EA		12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	256.40	31.52
23 33 19 00-0003	EA		12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	309.48	36.13
23 33 19 00-0004	EA		12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	406.55	41.52
23 33 19 00-0005	EA		12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	498.05	46.90
23 33 19 00-0006	EA		24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	457.70	46.90
23 33 19 00-0007	EA		24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	594.20	49.20
23 33 19 00-0008	EA		24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	658.42	52.27
23 33 19 00-0009	EA		24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	724.18	55.36
23 33 19 00-0010	EA		24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	959.15	63.04
23 33 19 00-0011	EA		36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	587.19	52.27
23 33 19 00-0012	EA		36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	800.07	63.04
23 33 19 00-0013	EA		36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,441.59	84.57
23 33 19 00-0014	EA		36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,598.98	89.18
23 33 19 00-0015	EA		48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,787.63	96.10
23 33 19 00-0016	EA		48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,010.15	104.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 33 19 00-0017		60" Long Packaged Duct Sound Trap (23 33 19)			
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	286.78		69.19
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	347.07		79.95
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	457.02		92.25
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	559.99		103.79
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	514.13		103.79
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	670.25		109.93
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	740.58		115.31
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	812.08		121.47
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,080.80		138.38
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	659.64		115.31
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	900.02		138.38
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,618.78		182.20
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,809.18		197.58
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,013.93		209.88
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,269.01		230.64
23 33 19 00-0033		84" Long Packaged Duct Sound Trap (23 33 19)			
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	247.52		57.66
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	429.29		86.11
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	596.96		126.08
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	338.04		69.19
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	422.62		79.95
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	581.13		92.25
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	691.45		99.17
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	755.21		106.86
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	959.13		115.31
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,139.28		126.08
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	641.89		106.86
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	932.79		111.47
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,021.19		115.31
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,114.27		121.47
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,407.79		130.69
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,528.69		138.38
23 33 23		Turning Vanes (23 33)			
23 33 23 00-0001		Duct Turning Vane Components (23 33 23)			
23 33 23 00-0002	LF	Duct Turning Vane Rail.....	8.89		1.92
		<i>For Stainless Steel, Add</i>	6.38		
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane.....	8.99		0.77
		<i>For Stainless Steel, Add</i>	9.61		
23 33 23 00-0004		Duct Turning Vane Sets (23 33 23)			
		Note: Measured from inside corner to outside corner of ductwork.			
23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets.....	37.55		2.88
		<i>For Stainless Steel, Add</i>	44.14		
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets.....	46.79		3.07
		<i>For Stainless Steel, Add</i>	55.84		
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets.....	64.20		3.22
		<i>For Stainless Steel, Add</i>	78.17		
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets.....	81.64		3.46
		<i>For Stainless Steel, Add</i>	100.50		
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets.....	90.50		3.69
		<i>For Stainless Steel, Add</i>	111.66		
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets.....	116.00		3.46
		<i>For Stainless Steel, Add</i>	145.18		
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets.....	142.57		4.07
		<i>For Stainless Steel, Add</i>	178.67		
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets.....	153.11		4.26
		<i>For Stainless Steel, Add</i>	192.13		
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets.....	171.06		4.43
		<i>For Stainless Steel, Add</i>	215.18		
23 33 33		Duct-Mounting Access Doors (23 33)			
23 33 33 00-0001		Duct Access Doors, Insulated Factory Fabrication (23 33 33)			
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication.....	76.76		10.77
		<i>For Stainless Steel, Add</i>	67.02		
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication.....	83.80		10.77
		<i>For Stainless Steel, Add</i>	81.10		
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication.....	87.24		10.77
		<i>For Stainless Steel, Add</i>	87.98		
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication.....	115.25		13.07
		<i>For Stainless Steel, Add</i>	124.06		
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication.....	116.65		13.07
		<i>For Stainless Steel, Add</i>	126.86		
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication.....	142.19		17.68
		<i>For Stainless Steel, Add</i>	146.00		
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication.....	165.10		21.52
		<i>For Stainless Steel, Add</i>	157.22		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	211.83 193.04	29.21
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23 33 43 Flexible Connectors (23 33)

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	9.85	2.30
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	10.14	2.07

23 33 46 Flexible Ducts (23 33)

23 33 46 00-0001	Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)			
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.				
23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	4.60	0.77
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	5.12	1.54
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	5.84	1.54
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.81	1.54
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.12	2.30
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	10.47	2.30
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	14.23	3.07
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	17.74	3.07
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	23.35	3.84

23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)

23 33 46 00-0012	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	32.50 19.76	4.61
23 33 46 00-0013	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	35.17 20.02	5.38
23 33 46 00-0014	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	40.05 22.07	5.38
23 33 46 00-0015	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	45.20 22.78	6.91
23 33 46 00-0016	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	54.38 25.73	8.46
23 33 46 00-0017	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	63.94 31.72	10.00
23 33 46 00-0018	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	72.42 34.18	11.53
23 33 46 00-0019	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	85.96 42.80	13.07
23 33 46 00-0020	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	93.68 46.83	14.61

23 33 53 Duct Liners (23 33)

23 33 53 00-0001	Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)			
23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	8.96	2.23
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	9.78	2.23
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.90	2.97
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	13.40	2.97
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	16.16	3.35
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	8.28	2.30
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	9.03	2.30
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.11	3.07
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	12.36	3.07
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	14.96	3.46

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.17	1.85
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	3.21	2.07
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	3.25	2.07
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	4.30	2.07
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	3.52	2.30
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	3.73	2.54
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	6.00	2.54

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	38.60 17.20	12.69
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	40.91 17.20	13.84
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	47.51 23.79	14.61
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	53.96 30.17	15.38
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	72.15 49.83	16.91
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	51.26 26.66	15.38
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	68.12 38.60	19.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 56 00-0008	EA 18" x 10" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	72.97 37.90	21.91
23 33 56 00-0009	EA 24" x 10" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	89.30 49.13	25.75
23 33 56 00-0010	EA 24" x 12" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	101.99 52.64	30.75
23 33 56 00-0011	EA 30" x 12" Duct Air Extractor..... <i>For Stainless Steel, Add</i>	127.62 65.96	38.43
23 33 59 Duct Pressure Relief Doors (23 33)			
23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)			
23 33 59 00-0002	EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	849.01	23.07
23 33 59 00-0003	EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	697.42	19.22
23 33 59 00-0004	EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	689.97	21.14
23 34 HVAC Fans (23 30)			
23 34 13 Axial HVAC Fans (23 34)			
23 34 13 00-0001 Tube-Axial Fans (23 34 13)			
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)			
23 34 13 00-0003	EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,273.96 63.96 127.93 175.90	236.97
23 34 13 00-0004	EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,331.07 68.53 137.07 188.47	237.67
23 34 13 00-0005	EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,445.29 77.67 155.34 213.59	236.97
23 34 13 00-0006	EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,559.51 86.81 173.62 238.72	237.67
23 34 13 00-0007	EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,825.73 100.52 201.03 276.42	284.65
23 34 13 00-0008	EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,103.67 118.79 237.58 326.67	309.55
23 34 13 00-0009	EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,219.72 123.36 246.72 339.24	338.73
23 34 13 00-0010	EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,539.15 146.20 292.41 402.06	355.81
23 34 13 00-0011	EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,059.72 173.62 347.23 477.45	444.75
23 34 13 00-0012	EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,461.68 201.03 402.06 552.83	474.64
23 34 13 00-0013	EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,064.55 237.58 475.16 653.35	547.23
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)			
23 34 13 00-0015	EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,207.12 59.84 119.68 164.56	229.85
23 34 13 00-0016	EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,281.47 64.56 129.13 177.55	237.67
23 34 13 00-0017	EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,324.07 66.66 133.33 183.33	245.50
23 34 13 00-0018	EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,402.84 71.56 143.13 196.80	254.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,587.88	264.00
			For 1/4" Static Pressure, Add	84.86	
			For 3/8" Static Pressure, Add	169.72	
			For 1/2" Static Pressure, Add	233.37	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,675.96	273.96
			For 1/4" Static Pressure, Add	90.29	
			For 3/8" Static Pressure, Add	180.57	
			For 1/2" Static Pressure, Add	248.29	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,881.59	284.65
			For 1/4" Static Pressure, Add	104.98	
			For 3/8" Static Pressure, Add	209.97	
			For 1/2" Static Pressure, Add	288.71	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	2,131.94	284.65
			For 1/4" Static Pressure, Add	125.08	
			For 3/8" Static Pressure, Add	250.17	
			For 1/2" Static Pressure, Add	343.98	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,476.80	309.55
			For 1/4" Static Pressure, Add	148.73	
			For 3/8" Static Pressure, Add	297.45	
			For 1/2" Static Pressure, Add	409.00	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,934.64	375.02
			For 1/4" Static Pressure, Add	174.97	
			For 3/8" Static Pressure, Add	349.95	
			For 1/2" Static Pressure, Add	481.18	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	3,356.57	375.02
			For 1/4" Static Pressure, Add	208.47	
			For 3/8" Static Pressure, Add	416.95	
			For 1/2" Static Pressure, Add	573.30	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,700.40	395.66
			For 1/4" Static Pressure, Add	232.78	
			For 3/8" Static Pressure, Add	465.56	
			For 1/2" Static Pressure, Add	640.14	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	4,045.94	418.43
			For 1/4" Static Pressure, Add	256.86	
			For 3/8" Static Pressure, Add	513.72	
			For 1/2" Static Pressure, Add	706.36	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	4,590.89	547.23
			For 1/4" Static Pressure, Add	279.96	
			For 3/8" Static Pressure, Add	559.91	
			For 1/2" Static Pressure, Add	769.88	
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	5,260.92	547.94
			For 1/4" Static Pressure, Add	333.56	
			For 3/8" Static Pressure, Add	667.12	
			For 1/2" Static Pressure, Add	917.29	
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	5,934.81	646.71
			For 1/4" Static Pressure, Add	371.65	
			For 3/8" Static Pressure, Add	743.31	
			For 1/2" Static Pressure, Add	1,022.05	

23 34 16 Centrifugal HVAC Fans (23 34)

23 34 16 00-0001 Centrifugal Fans (23 34 16)

Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)

Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)

Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0005	EA		1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	950.44	156.34
23 34 16 00-0006	EA		1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,387.73	162.24
23 34 16 00-0007	EA		1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,426.39	129.30
23 34 16 00-0008	EA		1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,490.04	177.19
23 34 16 00-0009	EA		3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,524.07	187.86
23 34 16 00-0010	EA		1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,572.11	195.69
23 34 16 00-0011	EA		1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,618.54	208.51

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0013	EA		1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,606.24	170.79
23 34 16 00-0014	EA		1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,633.97	177.19
23 34 16 00-0015	EA		1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,686.02	187.86
23 34 16 00-0016	EA		3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,715.83	195.69
23 34 16 00-0017	EA		1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,771.55	208.51
23 34 16 00-0018	EA		1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,828.17	218.47

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,616.01	177.19
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,650.09	187.86
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,697.87	195.69
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,735.60	208.51
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,786.26	218.47
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,855.99	234.83
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,910.64	246.93

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0027			16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,856.70	187.86
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,923.14	195.69
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,995.02	208.51
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,031.72	218.47
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,078.54	234.83
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,119.24	246.93
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,355.97	268.28
23 34 16 00-0035			18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,917.96	195.69
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	1,960.18	208.51
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,019.82	218.47
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,062.61	234.83
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,126.24	246.93
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,221.23	268.28
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,281.81	284.65
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,370.37	313.11
23 34 16 00-0044			20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,933.24	208.51
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,992.85	218.47
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,062.61	234.83
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,126.24	246.93
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,248.17	268.28
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,424.25	284.65
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,540.54	313.11
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,664.26	335.17
23 34 16 00-0053			22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,337.22	218.47
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,375.80	234.83
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,433.16	246.93
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,502.70	268.28
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,599.95	284.65
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,622.88	313.11
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,682.22	335.17
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,788.13	375.73
23 34 16 00-0062			24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,823.19	234.83
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,903.95	268.28
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	2,991.48	284.65
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,079.53	313.11
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,158.33	335.17
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,219.33	375.73
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,313.74	408.46
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,541.30	469.67
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,133.85	246.93
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,216.07	284.65
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,304.10	313.11
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,382.91	335.17
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,488.82	375.73
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	3,582.96	408.46
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,829.61	469.67
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,844.96	521.61
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
			Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,404.55	313.11
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,479.82	335.17
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,593.75	375.73
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	4,696.88	408.46
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,843.87	469.67
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,976.84	521.61
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,188.87	626.21
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,385.39	722.28
23 34 16 00-0090			33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,179.55	335.17
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,330.38	375.73
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,469.71	408.46
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,652.37	469.67
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	5,821.27	521.61
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,069.22	626.21
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,354.66	722.28
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	6,723.30	939.32
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0099)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,250.13	375.73
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,299.63	408.46
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,392.45	469.67
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	4,489.62	521.61
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,088.78	626.21
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,311.07	722.28
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,718.39	939.32
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,153.10	1,174.15
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0108)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0109)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0110)		
			Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	937.43	92.50
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	42.63	
			For Backdraft Damper, Add	101.63	
			For Damper Motor, Add	166.07	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,106.78	92.50
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	42.63	
			For Backdraft Damper, Add	101.63	
			For Damper Motor, Add	166.07	
23 34 16 00-0113			Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0113)		
			Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,641.69	92.50
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	42.63	
			For Wall Mounted Fan, Add	65.67	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	123.82	
			For Backdraft Damper, Add	101.63	
			For Damper Motor, Add	166.07	
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,715.19	92.50
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	42.63	
			For Wall Mounted Fan, Add	68.61	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	130.06	
			For Backdraft Damper, Add	101.63	
			For Damper Motor, Add	166.07	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,459.96	106.75
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	48.51	
			For Wall Mounted Fan, Add	58.40	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	105.95	
			For Backdraft Damper, Add	115.41	
			For Damper Motor, Add	166.07	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	1,565.79	106.75
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	48.51	
			For Wall Mounted Fan, Add	62.63	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	114.95	
			For Backdraft Damper, Add	115.41	
			For Damper Motor, Add	166.07	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,995.30	124.53
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	79.81	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	148.43	
		For Backdraft Damper, Add	115.41	
		For Damper Motor, Add	166.07	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,108.48	124.53
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	48.51	
		For Wall Mounted Fan, Add	84.34	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	158.05	
		For Backdraft Damper, Add	115.41	
		For Damper Motor, Add	166.07	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,298.25	133.43
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	91.93	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	172.67	
		For Backdraft Damper, Add	144.52	
		For Damper Motor, Add	166.07	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,474.64	133.43
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	98.99	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	187.66	
		For Backdraft Damper, Add	144.52	
		For Damper Motor, Add	166.07	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,513.02	142.32
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	100.52	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	189.41	
		For Backdraft Damper, Add	144.52	
		For Damper Motor, Add	166.07	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,761.43	142.32
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	80.84	
		For Wall Mounted Fan, Add	110.46	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	210.53	
		For Backdraft Damper, Add	144.52	
		For Damper Motor, Add	166.07	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,182.13	160.11
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	95.54	
		For Wall Mounted Fan, Add	127.29	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	243.26	
		For Backdraft Damper, Add	156.59	
		For Damper Motor, Add	166.07	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,409.96	160.11
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	95.54	
		For Wall Mounted Fan, Add	136.40	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	262.63	
		For Backdraft Damper, Add	156.59	
		For Damper Motor, Add	166.07	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,046.73	177.90
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	102.89	
		For Wall Mounted Fan, Add	161.87	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	313.73	
		For Backdraft Damper, Add	173.75	
		For Damper Motor, Add	166.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,121.69		177.90
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	102.89	
			For Wall Mounted Fan, Add	164.87	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	320.10	
			For Backdraft Damper, Add	173.75	
			For Damper Motor, Add	166.07	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,502.40		177.90
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	102.89	
			For Wall Mounted Fan, Add	180.10	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	352.46	
			For Backdraft Damper, Add	173.75	
			For Damper Motor, Add	166.07	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,686.14		177.90
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	102.89	
			For Wall Mounted Fan, Add	187.45	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	368.08	
			For Backdraft Damper, Add	173.75	
			For Damper Motor, Add	166.07	
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 5,159.96		195.69
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	117.59	
			For Wall Mounted Fan, Add	206.40	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	405.33	
			For Damper Motor, Add	166.07	
			For Backdraft Damper, Add	204.79	
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 5,371.25		195.69
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	117.59	
			For Wall Mounted Fan, Add	214.85	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	423.29	
			For Damper Motor, Add	166.07	
			For Backdraft Damper, Add	204.79	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 5,412.77		213.48
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	117.59	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	423.80	
			For Damper Motor, Add	166.07	
			For Backdraft Damper, Add	238.22	
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 5,876.67		213.48
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	117.59	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	463.23	
			For Damper Motor, Add	166.07	
			For Backdraft Damper, Add	238.22	
23 34 16 00-0134			Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
			Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan 1,093.75		92.50
			Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	182.55	
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 1,151.28		92.50
			Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	191.18	
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 1,221.88		92.50
			Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	201.77	
23 34 16 00-0139			Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,249.27		92.50
			Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	205.87	
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,391.72		124.53
			Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	233.66	
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan 1,681.05		142.32
			Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
			For Extended Weatherhood, Add	280.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	1,943.30 327.08	177.90
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch. <i>For Extended Weatherhood, Add</i>	2,352.50 395.57	213.48
23 34 16 00-0145			Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146			Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement	592.92	263.26
23 34 16 00-0148	EA		Fan Belt, Replacement	97.97	35.68
23 34 16 00-0149			Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150			Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151	EA		250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,325.55 610.43	128.00
23 34 16 00-0152	EA		895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,694.17 658.00	153.76
23 34 16 00-0153	EA		1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,563.82 776.91	192.19
23 34 16 00-0154	EA		2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	5,956.52 816.55	256.39
23 34 16 00-0155	EA		3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,793.83 903.76	384.39
23 34 16 00-0156	EA		11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	11,685.02 1,522.12	768.78
23 34 16 00-0157	EA		18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	17,049.14 2,227.68	1,098.97
23 34 16 00-0158			Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159	EA		1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,325.55 610.43	128.00
23 34 16 00-0160	EA		1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,429.91 618.36	153.76
23 34 16 00-0161	EA		1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,506.79 618.36	192.19
23 34 16 00-0162	EA		2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	4,635.23 618.36	256.39
23 34 16 00-0163	EA		3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,371.02 840.34	384.39
23 34 16 00-0164	EA		4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,563.22 840.34	480.49
23 34 16 00-0165	EA		4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,701.90 840.34	549.83
23 34 16 00-0166	EA		6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	6,861.12 856.19	576.58
23 34 16 00-0167	EA		7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic..... <i>For Explosion Proof Motor, Add</i>	7,042.10 864.12	640.62
23 34 16 00-0168			In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169			Direct Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck SQ.		
23 34 16 00-0170	EA		Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,067.76	92.50
23 34 16 00-0171	EA		Note: 115V. Includes disconnect switch. 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	1,369.50	99.63
23 34 16 00-0172	EA		Note: 115V. Includes disconnect switch. 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	1,502.41	106.75
23 34 16 00-0173			Belt Drive In-Line Duct Fans (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,571.07 -50.00 85.00	106.75
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	1,805.18 -50.00 85.00	124.53
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,034.31 -50.00 85.00	124.53
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,229.10 -50.00 85.00	124.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,165.43 -50.00 85.00	142.32
23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	2,495.31 -50.00 85.00	142.32
23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan..... Note: 115/208-230/60/1. Includes disconnect switch. <i>For 3 Phase Motor, Deduct</i> <i>For Totally Enclosed Motor, Add</i>	3,176.22 -50.00 85.00	177.90
23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	3,358.33 85.00	177.90
23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan..... Note: Belt drive. 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	3,486.70 85.00	177.90
23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	4,030.35 85.00	213.48
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	4,183.57 85.00	213.48
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan..... Note: 230/460/60/3. Includes disconnect switch. <i>For Totally Enclosed Motor, Add</i>	4,371.86 85.00	213.48
23 34 16 00-0186			In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA		950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....	319.65	62.26
23 34 16 00-0188	EA		1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....	340.19	62.26
23 34 16 00-0189	EA		1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....	368.06	62.26
23 34 16 00-0190	EA		950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....	366.59	62.26
23 34 16 00-0191	EA		1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....	366.59	62.26
23 34 16 00-0192	EA		1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....	410.61	62.26
23 34 16 00-0193	EA		900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	496.95	65.82
23 34 16 00-0194	EA		1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	419.19	65.82
23 34 16 00-0195	EA		1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	448.53	65.82
23 34 16 00-0196	EA		1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	467.61	65.82
23 34 16 00-0197	EA		1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	489.61	65.82
23 34 16 00-0198	EA		1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	489.61	65.82
23 34 16 00-0199	EA		1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	815.08	69.38
23 34 16 00-0200	EA		1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	681.58	69.38
23 34 16 00-0201	EA		1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	681.58	69.38
23 34 16 00-0202	EA		950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	932.45	69.38
23 34 16 00-0203	EA		1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	932.45	69.38
23 34 16 00-0204	EA		1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	932.45	69.38
23 34 16 00-0205	EA		1,640 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,016.44	69.38
23 34 16 00-0206			Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207			Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)		
23 34 16 00-0208	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	488.18 118.41 197.06	76.14
23 34 16 00-0209	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	515.55 127.05 197.06	84.68
23 34 16 00-0210	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... Note: Includes motor side guard. <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i>	570.79 139.12 202.17	93.93
23 34 16 00-0211	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	847.20 166.53 205.83 171.73	103.89
23 34 16 00-0212	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	881.08 166.53 210.95 182.72	115.28
23 34 16 00-0213	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	991.11 202.45 216.06 193.72	128.09
23 34 16 00-0214	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan..... <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,133.09 202.45 219.72 209.13	142.32
23 34 16 00-0215			Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)		
23 34 16 00-0216	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	1,677.66	203.52
23 34 16 00-0217	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	1,920.13	236.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0218	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	2,173.52	284.65
23 34 16 00-0219	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	3,038.44	355.81
23 34 16 00-0220	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	3,609.87	474.64
23 34 16 00-0221	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	4,998.34	711.61
23 34 16 00-0222	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	5,982.10	912.28
23 34 16 00-0223			Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	85.64	
23 34 16 00-0225	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	198.31	
23 34 16 00-0226			Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227			4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228	EA		42" 4-Blade Ceiling Fan, Three Speed.....	399.16	40.94
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.68	
23 34 16 00-0229			5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230	EA		42" 5-Blade Ceiling Fan, Three Speed.....	437.14	101.31
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.72	
23 34 16 00-0231	EA		52" 5-Blade Ceiling Fan, Three Speed.....	499.37	101.31
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	25.81	
23 34 16 00-0232			3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed.....	401.44	35.23
23 34 16 00-0234			Exhaust Fans (23 34 16)		
23 34 16 00-0235			Exhaust Fans (23 34 16 00-0234)		
			Note: Excludes ducting.		
23 34 16 00-0236			Light Duty Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0237			Light Duty Exhaust Fans (23 34 16 00-0236)		
23 34 16 00-0238	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	103.03	33.08
23 34 16 00-0239	EA		70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	109.19	33.08
23 34 16 00-0240	EA		180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505).....	183.12	33.08
23 34 16 00-0241	EA		350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504).....	232.56	33.08
23 34 16 00-0242	EA		160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503).....	207.46	33.08
23 34 16 00-0243	EA		270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502).....	277.66	33.08
23 34 16 00-0244			Light Duty Exhaust Fans With Lights (23 34 16 00-0236)		
23 34 16 00-0245	EA		50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	135.97	33.08
23 34 16 00-0246	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	151.40	33.08
23 34 16 00-0247	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	287.09	33.08
23 34 16 00-0248			Light Duty Exhaust Fans With Heaters (23 34 16 00-0236)		
23 34 16 00-0249	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	139.31	33.08
23 34 16 00-0250	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	223.91	33.08
23 34 16 00-0251			Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0236)		
23 34 16 00-0252	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	238.58	33.08
23 34 16 00-0253	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	364.50	33.08
23 34 16 00-0254			Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0255			Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)		
			Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0256	EA		50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	162.61	33.08
23 34 16 00-0257	EA		80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	180.29	33.08
23 34 16 00-0258	EA		109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	333.34	33.08
23 34 16 00-0259	EA		157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	341.53	33.08
23 34 16 00-0260	EA		210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	367.04	33.08
23 34 16 00-0261	EA		259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	383.33	33.08

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 34 16 00-0262	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	389.65	33.08
	23 34 16 00-0263	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	446.58	33.08
	23 34 16 00-0264	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	509.38	33.08
	23 34 16 00-0265	EA		701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	545.15	33.08
	23 34 16 00-0266	EA		901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	649.64	33.08
	23 34 16 00-0267	EA		1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	835.78	33.08
23 34 16 00-0268	Heavy Duty/Continuous Operation Kitchen Exhaust Fans <small>(23 34 16 00-0254)</small>					
	Note: Includes enamel steel or aluminum grille.					
	23 34 16 00-0269	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	346.31	33.08
	23 34 16 00-0270	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	504.68	33.08
	23 34 16 00-0271	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	534.01	33.08
23 34 16 00-0272	Heavy Duty/Continuous Operation Exhaust Fans With Lights <small>(23 34 16 00-0254)</small>					
	23 34 16 00-0273	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	177.09	33.08
	23 34 16 00-0274	EA		80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	193.70	33.08
23 34 16 00-0275	Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans <small>(23 34 16 00-0254)</small>					
	23 34 16 00-0276	EA		50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	184.38	33.08
	23 34 16 00-0277	EA		80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	195.38	33.08
	23 34 16 00-0278	EA		110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	200.68	33.08
23 34 16 00-0279	Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans <small>(23 34 16 00-0235)</small>					
	23 34 16 00-0280	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	898.38	33.08
	23 34 16 00-0281	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	898.38	33.08
	23 34 16 00-0282	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	898.38	33.08
	23 34 16 00-0283	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	986.29	33.08
23 34 16 00-0284	Room-To-Room Exhaust Fans <small>(23 34 16 00-0235)</small>					
	23 34 16 00-0285	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	131.82	33.08
	23 34 16 00-0286	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	221.61	33.08
	23 34 16 00-0287	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	254.33	33.08
23 34 16 00-0288	Through-Wall Exhaust Fans <small>(23 34 16 00-0235)</small>					
	23 34 16 00-0289	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	237.23	33.08
	23 34 16 00-0290	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	282.33	33.08
	23 34 16 00-0291	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	206.22	33.08
	23 34 16 00-0292	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	277.66	33.08
	23 34 16 00-0293	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	489.16	33.08
23 34 16 00-0294	Exhaust Fan Accessories <small>(23 34 16 00-0235)</small>					
23 34 16 00-0295	Exhaust Fan Controls <small>(23 34 16 00-0294)</small>					
	23 34 16 00-0296	EA		Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	129.99	20.68
	23 34 16 00-0297	EA		60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	90.10	20.68
	23 34 16 00-0298	EA		60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	91.05	20.68
23 34 16 00-0299	Roof And Wall Caps For Exhaust Fans <small>(23 34 16 00-0294)</small>					
23 34 16 00-0300	Wall Caps For Exhaust Fans <small>(23 34 16 00-0299)</small>					
	23 34 16 00-0301	EA		Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	200.41	38.60
	23 34 16 00-0302	EA		Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	203.56	38.60
23 34 16 00-0303	Roof Caps For Exhaust Fans <small>(23 34 16 00-0299)</small>					
	Note: Includes flashing and built in bird screen.					
	23 34 16 00-0304	EA		Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	168.01	38.60
	23 34 16 00-0305	EA		Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	249.56	38.60
	23 34 16 00-0306	EA		CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	105.32	38.60
	23 34 16 00-0307	EA		CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	129.78	38.60
23 34 16 00-0308	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan <small>(23 34 16 00-0235)</small>					
	Note: Includes storage and cleaning.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0309 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan53.37

23 34 23 HVAC Power Ventilators (23 34)

23 34 23 00-0001 Power Roof Ventilators (23 34 23)

23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)

Note: Greenheck G.

23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....532.34 101.76

Note: Three speed motor.

For 12" Roof Curb, Add 144.42
For Backdraft Damper, Add 94.67
For Solid State Speed Control, Add 76.87
For Damper Motor, Add 166.07

23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....584.90 115.28

Note: Three speed motor.

For 12" Roof Curb, Add 144.42
For Backdraft Damper, Add 94.67
For Solid State Speed Control, Add 76.87
For Damper Motor, Add 166.07

23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....863.67 134.49

For 12" Roof Curb, Add 148.82
For Backdraft Damper, Add 101.63
For Solid State Speed Control, Add 76.87
For Damper Motor, Add 166.07

23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....885.18 151.57

For 12" Roof Curb, Add 148.82
For Backdraft Damper, Add 101.63
For Solid State Speed Control, Add 76.87
For Damper Motor, Add 166.07

23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....1,150.21 167.23

For Solid State Speed Control, Add 76.87
For Damper Motor, Add 166.07

23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....1,303.83 177.90

For 12" Roof Curb, Add 156.17
For Backdraft Damper, Add 115.41
For Solid State Speed Control, Add 122.43
For Damper Motor, Add 166.07

23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)

Note: Greenheck GB.

23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....1,210.76 151.57

For 12" Roof Curb, Add 148.82
For Backdraft Damper, Add 101.63
For Damper Motor, Add 166.07

23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....1,326.23 192.85

For 12" Roof Curb, Add 156.17
For Backdraft Damper, Add 115.41
For Damper Motor, Add 166.07

23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....1,830.00 229.85

For 12" Roof Curb, Add 156.17
For Backdraft Damper, Add 115.41
For Damper Motor, Add 166.07

23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....2,343.30 284.65

For 12" Roof Curb, Add 191.45
For Backdraft Damper, Add 144.52
For Damper Motor, Add 166.07

23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....3,112.85 355.81

For 12" Roof Curb, Add 207.62
For Backdraft Damper, Add 156.59
For Damper Motor, Add 166.07

23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....4,007.17 444.75

For 12" Roof Curb, Add 232.61
For Backdraft Damper, Add 173.75
For Damper Motor, Add 166.07

23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....4,042.45 444.75

For 12" Roof Curb, Add 232.61
For Backdraft Damper, Add 173.75
For Damper Motor, Add 166.07

23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....4,423.15 444.75

For 12" Roof Curb, Add 232.61
For Backdraft Damper, Add 173.75
For Damper Motor, Add 166.07

23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....4,569.96 444.75

For 12" Roof Curb, Add 232.61
For Backdraft Damper, Add 173.75
For Damper Motor, Add 166.07

23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)

Note: Includes back draft damper and birdscreen and curb.

23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure5,742.82 547.23

23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure9,486.21 711.40

23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)

23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted2,241.62 284.15

23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted3,041.05 355.74

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)
 23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat..... 100.15

23 34 23 00-0027 Power Wall Ventilators (23 34 23)

23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)

23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)
 Note: Greenheck CW.

23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster 676.33 114.56
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 131.90
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 95.29

23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster 773.52 134.49
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 145.67
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 113.63

23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster 1,206.55 151.57
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 164.54
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 131.98

23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)
 Note: Greenheck CWB.

23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster 1,780.21 85.34
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 152.05
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 201.78

23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster 1,878.17 96.10
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 152.05
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 201.78

23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster 2,310.08 109.93
For Solid State Speed Control, Add 122.43
For Backdraft Damper, Add 190.93
For Damper Motor, Add 285.95
For Interior Wall Grill, Add 234.82

23 34 33 Air Curtains (23 34)

23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)

23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated..... 1,695.22 521.61
 Note: Includes housing, mounting brackets and manual controls.
For Door Limit Switch, Combination Roller And Plunger, Add 139.40
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add 379.48
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø 281.90
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add 433.69
For Flat Side Extension Plates, Add 129.20
For Clearance Adjustable-Angle Mounting Bracket, Add 258.39
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 310.07
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 327.30

23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated..... 1,721.82 521.61
 Note: Includes housing, mounting brackets and manual controls.
For Door Limit Switch, Combination Roller And Plunger, Add 139.40
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add 379.48
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø 281.90
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add 433.69
For Flat Side Extension Plates, Add 129.20
For Clearance Adjustable-Angle Mounting Bracket, Add 258.39
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 310.07
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 327.30

23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated..... 1,750.64 521.61
 Note: Includes housing, mounting brackets and manual controls.
For Door Limit Switch, Combination Roller And Plunger, Add 139.40
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add 379.48
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø 281.90
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add 433.69
For Flat Side Extension Plates, Add 129.20
For Clearance Adjustable-Angle Mounting Bracket, Add 258.39
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 310.07
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add 327.30

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,227.30	521.61
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,514.01	626.21
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,680.29	626.21
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	2,959.29	722.28
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	3,623.28	722.28
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	3,707.52	722.28
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	3,931.44	722.28
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	379.48	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	281.90	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	433.69	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0013		Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	2,136.40	521.61
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	2,170.76	521.61
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	139.40	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	258.39	
		For Flat Side Extension Plates, Add	129.20	
		For Clearance Adjustable-Angle Mounting Bracket, Add	258.39	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.07	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	327.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0016	EA		High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,185.17 139.40 258.39 129.20 258.39 310.07 327.30	521.61
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,212.89 139.40 258.39 129.20 258.39 310.07 327.30	521.61
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,524.96 139.40 258.39 129.20 258.39 310.07 327.30	626.21
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,695.67 139.40 258.39 129.20 258.39 310.07 327.30	626.21
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,911.49 139.40 258.39 129.20 258.39 310.07 327.30	722.28
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,502.32 139.40 258.39 129.20 258.39 310.07 327.30	722.28
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,564.39 139.40 258.39 129.20 258.39 310.07 327.30	722.28
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,806.05 139.40 258.39 129.20 258.39 310.07 327.30	722.28
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,444.34 139.40 129.20 258.39 310.07 327.30	411.31
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,152.66 139.40 129.20 258.39 310.07 327.30	459.35
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,450.49 139.40 129.20 258.39 310.07 327.30	459.35

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 34 33 00-0029	EA 72" Heated Air Curtain With 1- 350 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	3,782.73 139.40 129.20 258.39 310.07 327.30	551.15
23 34 33 00-0030	EA 72" Heated Air Curtain With 2- 250 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	4,140.12 139.40 129.20 258.39 310.07 327.30	551.15
23 34 33 00-0031	EA 96" Heated Air Curtain With 1- 400 MBH Heater <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,043.03 139.40 129.20 258.39 310.07 327.30	734.74
23 34 33 00-0032	EA 96" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	5,519.56 139.40 129.20 258.39 310.07 327.30	734.74
23 34 33 00-0033	EA 117" Heated Air Curtain With 2- 300 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,145.55 139.40 129.20 258.39 310.07 327.30	895.20
23 34 33 00-0034	EA 117" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	6,726.32 139.40 129.20 258.39 310.07 327.30	895.20
23 34 33 00-0035	EA 147" Heated Air Curtain With 2- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	7,721.74 139.40 129.20 258.39 310.07 327.30	1,124.69
23 34 33 00-0036	EA 147" Heated Air Curtain With 3- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	9,166.22 139.40 129.20 258.39 310.07 327.30	1,124.69
23 34 33 00-0037	EA 168" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	8,825.31 139.40 129.20 258.39 310.07 327.30	1,285.52
23 34 33 00-0038	EA 168" Heated Air Curtain With 3- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,475.79 139.40 129.20 258.39 310.07 327.30	1,285.52
23 34 33 00-0039	EA 192" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,083.64 139.40 129.20 258.39 310.07 327.30	1,469.11
23 34 33 00-0040	EA 192" Heated Air Curtain With 4- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	11,969.91 139.40 129.20 258.39 310.07 327.30	1,469.11

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 16 Engine Exhaust Systems (23 35)

23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)

23 35 16 16-0001	Tailpipe Exhaust Equipment <small>(23 35 16 16)</small>		
23 35 16 16-0002	Overhead Tailpipe Exhaust System <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003	Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004	Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
23 35 16 16-0005	EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,546.67	151.57
23 35 16 16-0006	EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,902.88	309.55
23 35 16 16-0007	EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,058.85	375.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 35 16 16-0008			Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009	EA		1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,819.57	309.55
23 35 16 16-0010	EA		2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,988.75	375.02
23 35 16 16-0011	EA		2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,529.65	593.48
23 35 16 16-0012	EA		4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,306.60	765.69
23 35 16 16-0013	EA		7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,460.59	912.28

23 35 16 16-0014			Spiral Exhaust Duct Accessories (23 35 16 16-0002)		
23 35 16 16-0015			Flex Hose x Length (23 35 16 16-0014) Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA		3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	112.77	37.72
23 35 16 16-0017	EA		3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	95.48	37.72
23 35 16 16-0018	EA		4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	172.66	59.78
23 35 16 16-0019	EA		4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	143.77	59.78
23 35 16 16-0020	EA		5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	243.26	94.64
23 35 16 16-0021	EA		5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	232.92	94.64
23 35 16 16-0022	EA		6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	370.81	150.15
23 35 16 16-0023	EA		6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	349.06	150.15

23 35 16 16-0024			Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)		
23 35 16 16-0025	EA		4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	126.56	37.72
23 35 16 16-0026	EA		5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	182.73	59.78
23 35 16 16-0027	EA		4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	106.65	37.72
23 35 16 16-0028	EA		5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	153.18	59.78
23 35 16 16-0029	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,036.11	50.81
23 35 16 16-0030	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	897.92	93.22
23 35 16 16-0031	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	991.56	93.22
23 35 16 16-0032	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	47.42	7.26
23 35 16 16-0033	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	53.17	7.26

23 35 16 16-0034			Flexible Hose (23 35 16 16-0014)		
23 35 16 16-0035	LF		3" Stainless Steel Flexible Tubing.....	24.09	1.78
23 35 16 16-0036	LF		4" Stainless Steel Flexible Tubing.....	30.64	1.99
23 35 16 16-0037	LF		5" Stainless Steel Flexible Tubing.....	36.40	2.06
23 35 16 16-0038	LF		6" Stainless Steel Flexible Tubing.....	42.94	2.20
23 35 16 16-0039	LF		3" Galvanized Flexible Tubing.....	15.00	1.78
23 35 16 16-0040	LF		4" Galvanized Flexible Tubing.....	17.62	1.99
23 35 16 16-0041	LF		5" Galvanized Flexible Tubing.....	20.23	2.06
23 35 16 16-0042	LF		6" Galvanized Flexible Tubing.....	22.59	2.20

23 35 16 16-0043			Accessories (23 35 16 16-0002)		
23 35 16 16-0044	EA		3" Tail Pipe Adapter.....	39.25	5.34
23 35 16 16-0045	EA		4" Tail Pipe Adapter.....	40.39	5.34
23 35 16 16-0046	EA		5" Tail Pipe Adapter.....	42.97	6.05
23 35 16 16-0047	EA		3" Bullnose (Guide).....	21.73	3.56
23 35 16 16-0048	EA		4" Bullnose (Guide).....	23.07	3.91
23 35 16 16-0049	EA		5" Bullnose (Guide).....	24.61	4.27
23 35 16 16-0050	EA		Flex-Hose Winch And Associated Hardware.....	157.62	40.35
23 35 16 16-0051	LF		Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.10	

23 35 19			Fume Exhaust Systems (23 35)		
23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,738.92	284.43
23 35 19 00-0002	EA		Hose Extension Kit 5'.....	269.50	63.19

23 36			Air Terminal Units (23 30)		
23 36 13			Constant-Air-Volume Units (23 36)		
23 36 13 00-0001			Vertical Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,275.09	104.07
23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,537.38	112.07
23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,641.09	116.08
23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,752.81	124.08
23 36 13 00-0006	EA		175 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,980.36	128.08
23 36 13 00-0007			Horizontal Units, With Electric Heating Coils (23 36 13)		
23 36 13 00-0008	EA		60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,078.17	104.07
23 36 13 00-0009	EA		90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,291.11	112.07
23 36 13 00-0010	EA		120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,544.66	118.08
23 36 13 00-0011			Duct Boxes, Constant Volume Control (23 36 13)		
23 36 13 00-0012			Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 36 Air Terminal Units

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0013	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	540.33	29.21
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	597.28	31.52
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	623.79	34.59
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	636.52	36.13
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	651.43	39.98
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	744.10	44.59
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	785.83	49.97
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	844.98	59.97
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	903.84	69.19
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0022			Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	740.28	29.21
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	792.97	31.52
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	830.59	34.59
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	865.36	36.13
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	880.27	39.98
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	1,010.38	45.36
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	1,106.25	49.97
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	1,201.10	59.97
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	1,265.64	69.19
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 16			Variable-Air-Volume Units <small>(23 36)</small>		
23 36 16 00-0001			Variable Volume Terminal Unit <small>(23 36 16)</small>		
			Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
			Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	414.95	35.36
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	463.82	39.98
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	515.82	44.59
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	548.83	49.97
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	759.09	107.55
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	903.49	127.62
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
			Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	897.47	35.36
			<i>For Fan Powered Variable Air Volume Box, Add</i>	971.84	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	968.98	39.98
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,040.56	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,012.27	44.59
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,072.50	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,053.99	49.97
			<i>For Fan Powered Variable Air Volume Box, Add</i>	1,102.32	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,217.21 1,235.83 40.55 67.57 6.30	107.55
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,399.94 1,337.28 40.55 67.57 6.30	127.62

23 36 16 00-0016 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)
 Note: With analog electronic controls.

23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,498.44 40.55 6.30	35.36
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,556.01 40.55 6.30	39.98
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,608.01 40.55 6.30	44.59
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,682.82 40.55 6.30	49.97
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,847.79 40.55 6.30	107.55
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,882.63 40.55 6.30	107.55

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001)
 Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,019.48 6.30	69.88
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,113.68 6.30	79.57
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,190.50 6.30	89.87
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,304.92 6.30	100.25
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,466.04 6.30	115.31
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct <i>For Filters And Frames, Add</i>	1,605.75 6.30	138.38

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)

23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A) <i>For Filters And Frames, Add</i>	403.21 6.30	48.05
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B) <i>For Filters And Frames, Add</i>	437.21 6.30	52.85
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C) <i>For Filters And Frames, Add</i>	472.23 6.30	57.66
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D) <i>For Filters And Frames, Add</i>	508.35 6.30	62.46
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E) <i>For Filters And Frames, Add</i>	545.68 6.30	67.26
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F) <i>For Filters And Frames, Add</i>	584.26 6.30	72.08
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G) <i>For Filters And Frames, Add</i>	627.68 6.30	76.88
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H) <i>For Filters And Frames, Add</i>	669.31 6.30	81.68
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J) <i>For Filters And Frames, Add</i>	712.51 6.30	86.49
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K) <i>For Filters And Frames, Add</i>	757.39 6.30	91.29
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L) <i>For Filters And Frames, Add</i>	804.07 6.30	96.10
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) <i>For Filters And Frames, Add</i>	852.66 6.30	100.91
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N) <i>For Filters And Frames, Add</i>	903.31 6.30	105.71
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P) <i>For Filters And Frames, Add</i>	951.41 6.30	110.51
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R) <i>For Filters And Frames, Add</i>	1,006.28 6.30	115.31

23 37 Air Outlets and Inlets (23 30)

23 37 13 Diffusers, Registers, and Grilles (23 37)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)**

23 37 13 13-0001	Ceiling Diffusers (23 37 13 13)		
23 37 13 13-0002	Ceiling Diffusers With Perforated Face (23 37 13 13-0001)		
	Note: Flush mount, aluminum construction, includes damper.		
23 37 13 13-0003	EA 6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	78.45	10.00
	For Steel Construction, Deduct	-5.84	
	For Surface Mount, Deduct	-4.67	
	For Diffuser Without Damper, Deduct	-7.78	
	For Stainless Steel, Add	97.28	
23 37 13 13-0004	EA 8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	87.09	10.00
	For Steel Construction, Deduct	-7.13	
	For Surface Mount, Deduct	-5.71	
	For Diffuser Without Damper, Deduct	-9.51	
	For Stainless Steel, Add	118.88	
23 37 13 13-0005	EA 9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	87.09	10.00
	For Steel Construction, Deduct	-7.13	
	For Surface Mount, Deduct	-5.71	
	For Diffuser Without Damper, Deduct	-9.51	
	For Stainless Steel, Add	118.88	
23 37 13 13-0006	EA 10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	104.63	12.30
	For Steel Construction, Deduct	-8.54	
	For Surface Mount, Deduct	-6.83	
	For Diffuser Without Damper, Deduct	-11.38	
	For Stainless Steel, Add	142.30	
23 37 13 13-0007	EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	104.63	11.53
	For Steel Construction, Deduct	-8.54	
	For Surface Mount, Deduct	-6.83	
	For Diffuser Without Damper, Deduct	-11.38	
	For Stainless Steel, Add	142.30	
23 37 13 13-0008	EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	120.48	11.53
	For Steel Construction, Deduct	-10.92	
	For Surface Mount, Deduct	-8.73	
	For Diffuser Without Damper, Deduct	-14.55	
	For Stainless Steel, Add	181.93	
23 37 13 13-0009	EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	138.16	15.38
	For Steel Construction, Deduct	-11.74	
	For Surface Mount, Deduct	-9.39	
	For Diffuser Without Damper, Deduct	-15.65	
	For Stainless Steel, Add	195.63	
23 37 13 13-0010	EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	160.60	16.14
	For Steel Construction, Deduct	-14.66	
	For Surface Mount, Deduct	-11.72	
	For Diffuser Without Damper, Deduct	-19.54	
	For Stainless Steel, Add	244.25	
23 37 13 13-0011	EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	181.87	18.45
	For Steel Construction, Deduct	-16.30	
	For Surface Mount, Deduct	-13.04	
	For Lay-In Mount, Deduct	-13.04	
	For Diffuser Without Damper, Deduct	-21.73	
	For Stainless Steel, Add	271.63	
23 37 13 13-0012	Ceiling Diffusers With Louver Face (23 37 13 13-0001)		
	Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	81.33	10.00
	For Steel Construction, Deduct	-6.27	
	For Flush Mount, Add	6.27	
	For Stainless Steel, Add	104.48	
23 37 13 13-0014	EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	92.57	10.00
	For Steel Construction, Deduct	-7.95	
	For Flush Mount, Add	7.95	
	For Stainless Steel, Add	132.58	
23 37 13 13-0015	EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	92.57	10.00
	For Steel Construction, Deduct	-7.95	
	For Flush Mount, Add	7.95	
	For Stainless Steel, Add	132.58	
23 37 13 13-0016	EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	111.11	11.53
	For Steel Construction, Deduct	-9.51	
	For Flush Mount, Add	9.51	
	For Stainless Steel, Add	158.50	
23 37 13 13-0017	EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	111.11	12.30
	For Steel Construction, Deduct	-9.51	
	For Flush Mount, Add	9.51	
	For Stainless Steel, Add	158.50	
23 37 13 13-0018	EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	143.17	15.38
	For Steel Construction, Deduct	-12.45	
	For Flush Mount, Add	12.45	
	For Stainless Steel, Add	207.50	
23 37 13 13-0019	EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	127.90	15.38
	For Steel Construction, Deduct	-10.16	
	For Flush Mount, Add	10.16	
	For Stainless Steel, Add	169.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0020	EA		18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	159.72	18.45
			<i>For Steel Construction, Deduct</i>	-13.03	
			<i>For Flush Mount, Add</i>	13.03	
			<i>For Stainless Steel, Add</i>	217.23	
23 37 13 13-0021	EA		21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	184.87	20.75
			<i>For Steel Construction, Deduct</i>	-16.21	
			<i>For Flush Mount, Add</i>	16.21	
			<i>For Stainless Steel, Add</i>	270.18	
23 37 13 13-0022	EA		24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	202.01	40.67
			<i>For Steel Construction, Deduct</i>	-18.09	
			<i>For Flush Mount, Add</i>	18.09	
			<i>For Lay-In Mount, Add</i>	24.12	
			<i>For Stainless Steel, Add</i>	301.53	
23 37 13 13-0023			Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 13-0001)</small>		
			Note: Aluminum construction.		
23 37 13 13-0024	EA		6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	133.08	10.00
			<i>For Steel Construction, Deduct</i>	-28.06	
			<i>For Stainless Steel, Add</i>	233.85	
23 37 13 13-0025	EA		8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	137.87	10.00
			<i>For Steel Construction, Deduct</i>	-29.50	
			<i>For Stainless Steel, Add</i>	245.83	
23 37 13 13-0026	EA		10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	155.64	12.30
			<i>For Steel Construction, Deduct</i>	-32.38	
			<i>For Stainless Steel, Add</i>	269.83	
23 37 13 13-0027	EA		12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	167.63	11.53
			<i>For Steel Construction, Deduct</i>	-35.98	
			<i>For Stainless Steel, Add</i>	299.80	
23 37 13 13-0028	EA		14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	240.03	13.84
			<i>For Steel Construction, Deduct</i>	-55.40	
			<i>For Stainless Steel, Add</i>	461.68	
23 37 13 13-0029	EA		18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	266.43	15.38
			<i>For Steel Construction, Deduct</i>	-61.88	
			<i>For Stainless Steel, Add</i>	515.65	
23 37 13 13-0030	EA		20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	308.06	15.38
			<i>For Steel Construction, Deduct</i>	-73.55	
			<i>For Stainless Steel, Add</i>	612.90	
23 37 13 13-0031	EA		24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	367.65	17.68
			<i>For Steel Construction, Deduct</i>	-89.54	
			<i>For Stainless Steel, Add</i>	746.15	
23 37 13 13-0032	EA		28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	413.93	18.45
			<i>For Steel Construction, Deduct</i>	-102.33	
			<i>For Stainless Steel, Add</i>	852.75	
23 37 13 13-0033	EA		32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	494.45	20.75
			<i>For Steel Construction, Deduct</i>	-123.92	
			<i>For Stainless Steel, Add</i>	1,032.63	
23 37 13 13-0034			Round Ceiling Diffusers With Adjustable Pattern Dropped Style <small>(23 37 13 13-0001)</small>		
			Note: Aluminum construction.		
23 37 13 13-0035	EA		6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	140.27	10.00
			<i>For Steel Construction, Deduct</i>	-10.07	
			<i>For Flush Mount, Deduct</i>	-5.04	
			<i>For Stainless Steel, Add</i>	251.83	
23 37 13 13-0036	EA		8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	152.66	10.00
			<i>For Steel Construction, Deduct</i>	-11.31	
			<i>For Flush Mount, Deduct</i>	-5.66	
			<i>For Stainless Steel, Add</i>	282.80	
23 37 13 13-0037	EA		10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	172.96	12.30
			<i>For Steel Construction, Deduct</i>	-12.53	
			<i>For Flush Mount, Deduct</i>	-6.26	
			<i>For Stainless Steel, Add</i>	313.13	
23 37 13 13-0038	EA		12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	186.81	12.30
			<i>For Steel Construction, Deduct</i>	-13.91	
			<i>For Flush Mount, Deduct</i>	-6.96	
			<i>For Stainless Steel, Add</i>	347.75	
23 37 13 13-0039	EA		14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	271.21	13.84
			<i>For Steel Construction, Deduct</i>	-21.59	
			<i>For Flush Mount, Deduct</i>	-10.79	
			<i>For Stainless Steel, Add</i>	539.63	
23 37 13 13-0040	EA		18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	305.60	15.38
			<i>For Steel Construction, Deduct</i>	-24.54	
			<i>For Flush Mount, Deduct</i>	-12.27	
			<i>For Stainless Steel, Add</i>	613.58	
23 37 13 13-0041	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	354.70	16.14
			<i>For Steel Construction, Deduct</i>	-29.18	
			<i>For Flush Mount, Deduct</i>	-14.59	
			<i>For Stainless Steel, Add</i>	729.50	
23 37 13 13-0042	EA		24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	400.69	17.68
			<i>For Steel Construction, Deduct</i>	-33.15	
			<i>For Flush Mount, Deduct</i>	-16.58	
			<i>For Stainless Steel, Add</i>	828.75	
23 37 13 13-0043	EA		28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	485.88	18.45
			<i>For Steel Construction, Deduct</i>	-41.31	
			<i>For Flush Mount, Deduct</i>	-20.65	
			<i>For Stainless Steel, Add</i>	1,032.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0044	EA		32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	585.32	20.75
			<i>For Steel Construction, Deduct</i>	-50.39	
			<i>For Flush Mount, Deduct</i>	-25.20	
			<i>For Stainless Steel, Add</i>	1,259.80	
23 37 13 13-0045	EA		36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	648.51	43.29
			<i>For Stainless Steel, Add</i>	1,405.05	
23 37 13 13-0046			Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0047	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	106.65	11.53
			<i>For Stainless Steel, Add</i>	151.30	
23 37 13 13-0048	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	114.88	11.53
			<i>For Stainless Steel, Add</i>	171.88	
23 37 13 13-0049	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	125.01	11.53
			<i>For Stainless Steel, Add</i>	197.20	
23 37 13 13-0050	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	134.87	11.53
			<i>For Stainless Steel, Add</i>	221.85	
23 37 13 13-0051			Wall And Floor Diffusers (23 37 13 13)		
23 37 13 13-0052			Slot Type Linear Diffusers (23 37 13 13-0051)		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0053	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	36.13	3.84
			<i>For 3/4" Border, Add</i>	5.00	
			<i>For Floor Mounted Diffusers, Add</i>	6.00	
			<i>For Stainless Steel, Add</i>	25.99	
23 37 13 13-0054	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	44.32	4.61
			<i>For 3/4" Border, Add</i>	6.66	
			<i>For Floor Mounted Diffusers, Add</i>	8.00	
			<i>For Stainless Steel, Add</i>	34.65	
23 37 13 13-0055	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	61.97	5.38
			<i>For 3/4" Border, Add</i>	10.49	
			<i>For Floor Mounted Diffusers, Add</i>	12.59	
			<i>For Stainless Steel, Add</i>	54.56	
23 37 13 13-0056	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	82.24	5.38
			<i>For 3/4" Border, Add</i>	14.99	
			<i>For Floor Mounted Diffusers, Add</i>	17.99	
			<i>For Stainless Steel, Add</i>	77.95	
23 37 13 13-0057	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	103.34	6.15
			<i>For 3/4" Border, Add</i>	19.49	
			<i>For Floor Mounted Diffusers, Add</i>	23.39	
			<i>For Stainless Steel, Add</i>	101.34	
23 37 13 13-0058	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	121.13	7.68
			<i>For 3/4" Border, Add</i>	22.99	
			<i>For Floor Mounted Diffusers, Add</i>	27.58	
			<i>For Stainless Steel, Add</i>	119.52	
23 37 13 13-0059			Linear Bar Grilles And Registers (23 37 13 13-0051)		
			Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0060	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	114.27	4.61
			<i>For Floor Mount, Add</i>	9.66	
			<i>For Opposed Blade Damper, Add</i>	19.32	
			<i>For Stainless Steel, Add</i>	125.58	
23 37 13 13-0061	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	136.59	5.38
			<i>For Floor Mount, Add</i>	11.66	
			<i>For Opposed Blade Damper, Add</i>	23.32	
			<i>For Stainless Steel, Add</i>	151.57	
23 37 13 13-0062	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	148.86	5.38
			<i>For Floor Mount, Add</i>	12.66	
			<i>For Opposed Blade Damper, Add</i>	25.32	
			<i>For Stainless Steel, Add</i>	164.55	
23 37 13 13-0063	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	182.42	7.68
			<i>For Floor Mount, Add</i>	15.32	
			<i>For Opposed Blade Damper, Add</i>	30.65	
			<i>For Stainless Steel, Add</i>	199.20	
23 37 13 13-0064	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	252.39	10.00
			<i>For Floor Mount, Add</i>	21.32	
			<i>For Opposed Blade Damper, Add</i>	42.64	
			<i>For Stainless Steel, Add</i>	277.15	
23 37 13 13-0065	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	290.87	11.53
			<i>For Floor Mount, Add</i>	24.32	
			<i>For Opposed Blade Damper, Add</i>	48.63	
			<i>For Stainless Steel, Add</i>	316.11	
23 37 13 13-0066			Return/Exhaust Registers And Grilles (23 37 13 13)		
23 37 13 13-0067			Return/Exhaust Registers With Frame (23 37 13 13-0066)		
			Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0068	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	77.49	6.15
			<i>For Steel Construction, Deduct</i>	-10.73	
			<i>For Grilles (No Damper), Deduct</i>	-21.45	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	5.36	
			<i>For Cube Core Lay In, Add</i>	10.73	
			<i>For Stainless Steel, Add</i>	134.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0069	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	89.15	6.15
			<i>For Steel Construction, Deduct</i>	-13.06	
			<i>For Grilles (No Damper), Deduct</i>	-26.12	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.53	
			<i>For Cube Core Lay In, Add</i>	13.06	
			<i>For Stainless Steel, Add</i>	163.23	
23 37 13 13-0070	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	99.96	6.91
			<i>For Steel Construction, Deduct</i>	-14.46	
			<i>For Grilles (No Damper), Deduct</i>	-28.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	7.23	
			<i>For Cube Core Lay In, Add</i>	14.46	
			<i>For Stainless Steel, Add</i>	180.70	
23 37 13 13-0071	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	104.46	7.68
			<i>For Steel Construction, Deduct</i>	-14.46	
			<i>For Grilles (No Damper), Deduct</i>	-28.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	7.23	
			<i>For Cube Core Lay In, Add</i>	14.46	
			<i>For Stainless Steel, Add</i>	180.70	
23 37 13 13-0072	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	99.80	7.68
			<i>For Steel Construction, Deduct</i>	-13.52	
			<i>For Grilles (No Damper), Deduct</i>	-27.05	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.76	
			<i>For Cube Core Lay In, Add</i>	13.52	
			<i>For Stainless Steel, Add</i>	169.05	
23 37 13 13-0073	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	128.15	10.00
			<i>For Steel Construction, Deduct</i>	-17.72	
			<i>For Grilles (No Damper), Deduct</i>	-35.44	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	8.86	
			<i>For Cube Core Lay In, Add</i>	17.72	
			<i>For Stainless Steel, Add</i>	221.53	
23 37 13 13-0074	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	153.50	11.53
			<i>For Steel Construction, Deduct</i>	-21.16	
			<i>For Grilles (No Damper), Deduct</i>	-42.32	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	10.58	
			<i>For Cube Core Lay In, Add</i>	21.16	
			<i>For Stainless Steel, Add</i>	264.48	
23 37 13 13-0075	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	188.26	13.84
			<i>For Steel Construction, Deduct</i>	-26.58	
			<i>For Grilles (No Damper), Deduct</i>	-53.16	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.29	
			<i>For Cube Core Lay In, Add</i>	26.58	
			<i>For Stainless Steel, Add</i>	332.25	
23 37 13 13-0076	EA		20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	221.12	15.38
			<i>For Steel Construction, Deduct</i>	-32.19	
			<i>For Grilles (No Damper), Deduct</i>	-64.38	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.10	
			<i>For Cube Core Lay In, Add</i>	32.19	
			<i>For Stainless Steel, Add</i>	402.38	
23 37 13 13-0077	EA		24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	197.52	15.38
			<i>For Steel Construction, Deduct</i>	-26.92	
			<i>For Grilles (No Damper), Deduct</i>	-53.85	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	13.46	
			<i>For Cube Core Lay In, Add</i>	26.92	
			<i>For Stainless Steel, Add</i>	336.55	
23 37 13 13-0078	EA		24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	226.12	15.38
			<i>For Steel Construction, Deduct</i>	-32.64	
			<i>For Grilles (No Damper), Deduct</i>	-65.29	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.32	
			<i>For Cube Core Lay In, Add</i>	32.64	
			<i>For Stainless Steel, Add</i>	408.05	
23 37 13 13-0079	EA		24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	238.36	17.68
			<i>For Steel Construction, Deduct</i>	-33.83	
			<i>For Grilles (No Damper), Deduct</i>	-67.67	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.92	
			<i>For Cube Core Lay In, Add</i>	33.83	
			<i>For Stainless Steel, Add</i>	422.93	
23 37 13 13-0080	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	252.61	18.45
			<i>For Steel Construction, Deduct</i>	-35.96	
			<i>For Grilles (No Damper), Deduct</i>	-71.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.98	
			<i>For Cube Core Lay In, Add</i>	35.96	
			<i>For Stainless Steel, Add</i>	449.45	
23 37 13 13-0081	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	291.24	20.75
			<i>For Steel Construction, Deduct</i>	-41.97	
			<i>For Grilles (No Damper), Deduct</i>	-83.94	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	20.98	
			<i>For Cube Core Lay In, Add</i>	41.97	
			<i>For Stainless Steel, Add</i>	524.60	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0082	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	325.94	24.61
			<i>For Steel Construction, Deduct</i>	-45.42	
			<i>For Grilles (No Damper), Deduct</i>	-90.84	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.71	
			<i>For Cube Core Lay In, Add</i>	45.42	
			<i>For Stainless Steel, Add</i>	567.73	
23 37 13 13-0083	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	424.67	24.61
			<i>For Steel Construction, Deduct</i>	-65.16	
			<i>For Grilles (No Damper), Deduct</i>	-130.33	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	32.58	
			<i>For Cube Core Lay In, Add</i>	65.16	
			<i>For Stainless Steel, Add</i>	814.55	
23 37 13 13-0084	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	351.78	26.91
			<i>For Steel Construction, Deduct</i>	-49.07	
			<i>For Grilles (No Damper), Deduct</i>	-98.13	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	24.53	
			<i>For Cube Core Lay In, Add</i>	49.07	
			<i>For Stainless Steel, Add</i>	613.33	
23 37 13 13-0085	EA		36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	342.40	26.14
			<i>For Steel Construction, Deduct</i>	-47.19	
			<i>For Grilles (No Damper), Deduct</i>	-94.38	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	23.60	
			<i>For Cube Core Lay In, Add</i>	47.19	
			<i>For Stainless Steel, Add</i>	589.88	
23 37 13 13-0086	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	390.09	29.21
			<i>For Steel Construction, Deduct</i>	-54.96	
			<i>For Grilles (No Damper), Deduct</i>	-109.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	27.48	
			<i>For Cube Core Lay In, Add</i>	54.96	
			<i>For Stainless Steel, Add</i>	686.95	
23 37 13 13-0087	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	530.22	31.52
			<i>For Steel Construction, Deduct</i>	-80.88	
			<i>For Grilles (No Damper), Deduct</i>	-161.76	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	40.44	
			<i>For Cube Core Lay In, Add</i>	80.88	
			<i>For Stainless Steel, Add</i>	1,011.03	
23 37 13 13-0088	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	234.57	17.76
			<i>For Steel Construction, Deduct</i>	-32.72	
			<i>For Grilles (No Damper), Deduct</i>	-65.45	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.36	
			<i>For Cube Core Lay In, Add</i>	32.72	
			<i>For Stainless Steel, Add</i>	409.05	
23 37 13 13-0089	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	424.70	31.44
			<i>For Steel Construction, Deduct</i>	-59.78	
			<i>For Grilles (No Damper), Deduct</i>	-119.56	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	29.89	
			<i>For Cube Core Lay In, Add</i>	59.78	
			<i>For Stainless Steel, Add</i>	747.23	
23 37 13 13-0090	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	458.28	30.75
			<i>For Steel Construction, Deduct</i>	-68.59	
			<i>For Grilles (No Damper), Deduct</i>	-137.19	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	34.30	
			<i>For Cube Core Lay In, Add</i>	68.59	
			<i>For Stainless Steel, Add</i>	857.43	
23 37 13 13-0091			Return/Exhaust Registers Removable-Reversible <small>(23 37 13 13-0066)</small>		
			Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0092	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	71.43	6.15
			<i>For Steel Construction, Deduct</i>	-4.76	
			<i>For Flat Frame, Deduct</i>	-0.48	
			<i>For Grilles (No Damper), Deduct</i>	-9.51	
			<i>For Stainless Steel, Add</i>	118.93	
23 37 13 13-0093	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	71.43	6.15
			<i>For Steel Construction, Deduct</i>	-4.76	
			<i>For Flat Frame, Deduct</i>	-0.48	
			<i>For Grilles (No Damper), Deduct</i>	-9.51	
			<i>For Stainless Steel, Add</i>	118.93	
23 37 13 13-0094	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	87.84	6.91
			<i>For Steel Construction, Deduct</i>	-6.02	
			<i>For Flat Frame, Deduct</i>	-0.60	
			<i>For Grilles (No Damper), Deduct</i>	-12.03	
			<i>For Stainless Steel, Add</i>	150.40	
23 37 13 13-0095	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	100.73	8.46
			<i>For Steel Construction, Deduct</i>	-6.86	
			<i>For Flat Frame, Deduct</i>	-0.69	
			<i>For Grilles (No Damper), Deduct</i>	-13.71	
			<i>For Stainless Steel, Add</i>	171.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0096	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	99.33	7.68
			<i>For Steel Construction, Deduct</i>	-6.72	
			<i>For Flat Frame, Deduct</i>	-0.67	
			<i>For Grilles (No Damper), Deduct</i>	-13.43	
			<i>For Stainless Steel, Add</i>	167.88	
23 37 13 13-0097	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	129.08	10.00
			<i>For Steel Construction, Deduct</i>	-8.95	
			<i>For Flat Frame, Deduct</i>	-0.90	
			<i>For Grilles (No Damper), Deduct</i>	-17.91	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0098	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	209.53	12.30
			<i>For Steel Construction, Deduct</i>	-16.18	
			<i>For Flat Frame, Deduct</i>	-1.62	
			<i>For Grilles (No Damper), Deduct</i>	-32.36	
			<i>For Stainless Steel, Add</i>	404.55	
23 37 13 13-0099	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	252.62	13.84
			<i>For Steel Construction, Deduct</i>	-19.73	
			<i>For Flat Frame, Deduct</i>	-1.97	
			<i>For Grilles (No Damper), Deduct</i>	-39.45	
			<i>For Stainless Steel, Add</i>	493.15	
23 37 13 13-0100	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	285.41	15.38
			<i>For Steel Construction, Deduct</i>	-22.52	
			<i>For Flat Frame, Deduct</i>	-2.25	
			<i>For Grilles (No Damper), Deduct</i>	-45.05	
			<i>For Stainless Steel, Add</i>	563.10	
23 37 13 13-0101	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	236.38	15.38
			<i>For Steel Construction, Deduct</i>	-17.35	
			<i>For Flat Frame, Deduct</i>	-1.73	
			<i>For Grilles (No Damper), Deduct</i>	-34.70	
			<i>For Stainless Steel, Add</i>	433.70	
23 37 13 13-0102	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	320.32	16.14
			<i>For Steel Construction, Deduct</i>	-25.74	
			<i>For Flat Frame, Deduct</i>	-2.57	
			<i>For Grilles (No Damper), Deduct</i>	-51.48	
			<i>For Stainless Steel, Add</i>	643.55	
23 37 13 13-0103	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	374.18	17.68
			<i>For Steel Construction, Deduct</i>	-30.50	
			<i>For Flat Frame, Deduct</i>	-3.05	
			<i>For Grilles (No Damper), Deduct</i>	-61.00	
			<i>For Stainless Steel, Add</i>	762.48	
23 37 13 13-0104	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	285.48	18.45
			<i>For Steel Construction, Deduct</i>	-21.27	
			<i>For Flat Frame, Deduct</i>	-2.13	
			<i>For Grilles (No Damper), Deduct</i>	-42.53	
			<i>For Stainless Steel, Add</i>	531.63	
23 37 13 13-0105	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	394.78	20.75
			<i>For Steel Construction, Deduct</i>	-31.34	
			<i>For Flat Frame, Deduct</i>	-3.13	
			<i>For Grilles (No Damper), Deduct</i>	-62.68	
			<i>For Stainless Steel, Add</i>	783.45	
23 37 13 13-0106	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	475.19	24.61
			<i>For Steel Construction, Deduct</i>	-37.63	
			<i>For Flat Frame, Deduct</i>	-3.76	
			<i>For Grilles (No Damper), Deduct</i>	-75.27	
			<i>For Stainless Steel, Add</i>	940.85	
23 37 13 13-0107	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	545.84	24.61
			<i>For Steel Construction, Deduct</i>	-44.70	
			<i>For Flat Frame, Deduct</i>	-4.47	
			<i>For Grilles (No Damper), Deduct</i>	-89.40	
			<i>For Stainless Steel, Add</i>	1,117.48	
23 37 13 13-0108	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	368.07	26.14
			<i>For Steel Construction, Deduct</i>	-26.16	
			<i>For Flat Frame, Deduct</i>	-2.62	
			<i>For Grilles (No Damper), Deduct</i>	-52.32	
			<i>For Stainless Steel, Add</i>	654.05	
23 37 13 13-0109	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	502.38	26.14
			<i>For Steel Construction, Deduct</i>	-39.59	
			<i>For Flat Frame, Deduct</i>	-3.96	
			<i>For Grilles (No Damper), Deduct</i>	-79.19	
			<i>For Stainless Steel, Add</i>	989.83	
23 37 13 13-0110	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	582.59	29.21
			<i>For Steel Construction, Deduct</i>	-46.73	
			<i>For Flat Frame, Deduct</i>	-4.67	
			<i>For Grilles (No Damper), Deduct</i>	-93.46	
			<i>For Stainless Steel, Add</i>	1,168.20	
23 37 13 13-0111	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	681.92	31.52
			<i>For Steel Construction, Deduct</i>	-55.61	
			<i>For Flat Frame, Deduct</i>	-5.56	
			<i>For Grilles (No Damper), Deduct</i>	-111.22	
			<i>For Stainless Steel, Add</i>	1,390.28	
23 37 13 13-0112	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	721.10	31.52
			<i>For Steel Construction, Deduct</i>	-59.53	
			<i>For Flat Frame, Deduct</i>	-5.95	
			<i>For Grilles (No Damper), Deduct</i>	-119.06	
			<i>For Stainless Steel, Add</i>	1,488.23	
23 37 13 13-0113			Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles <small>(23 37 13 13-0066)</small>		
23 37 13 13-0114	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	38.78	7.55
23 37 13 13-0115	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	38.78	7.55

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 13-0116	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	42.42	7.55
23 37 13 13-0117	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.87	7.55
23 37 13 13-0118	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	42.42	7.55
23 37 13 13-0119	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	43.87	7.55
23 37 13 13-0120	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	52.45	9.89
23 37 13 13-0121	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	53.90	9.89
23 37 13 13-0122	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.99	9.89
23 37 13 13-0123	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	53.90	9.89
23 37 13 13-0124	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	55.36	9.89
23 37 13 13-0125	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.81	9.89
23 37 13 13-0126	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	54.63	9.89
23 37 13 13-0127	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.54	9.89
23 37 13 13-0128	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.00	9.89
23 37 13 13-0129	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.54	9.89
23 37 13 13-0130	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	57.54	9.89
23 37 13 13-0131	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.63	9.89
23 37 13 13-0132	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.54	9.89
23 37 13 13-0133	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.41	14.58
23 37 13 13-0134	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	84.87	14.58
23 37 13 13-0135	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.96	14.58
23 37 13 13-0136	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	100.72	16.93
23 37 13 13-0137	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.50	14.58
23 37 13 13-0138	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	108.00	16.93
23 37 13 13-0139	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.09	9.89
23 37 13 13-0140	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	81.96	14.58
23 37 13 13-0141	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	120.93	19.29
23 37 13 13-0142	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	80.50	14.58
23 37 13 13-0143	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.41	14.58
23 37 13 13-0144	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	96.35	16.93
		<i>For Lay-In Installation, Deduct</i>	-35.65	
23 37 13 13-0145	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	100.72	16.93
23 37 13 13-0146	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	112.20	19.29
23 37 13 13-0147	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	116.56	19.29
23 37 13 13-0148	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	121.66	19.29
23 37 13 13-0149	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	131.11	19.29
		<i>For Lay-In Installation, Deduct</i>	-40.83	
23 37 13 13-0150	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	98.54	16.93
23 37 13 13-0151	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	162.27	21.14
23 37 13 13-0152	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	282.01	25.83
		<i>For Lay-In Installation, Deduct</i>	-58.75	

23 37 13 13-0153 Supply Registers and Grilles (23 37 13 13)

23 37 13 13-0154 Adjustable Curved Blade Register (23 37 13 13-0153)

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0155	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	64.59	6.15
		<i>For Steel Construction, Deduct</i>	-6.12	
		<i>For Lay In Frame, Deduct</i>	-10.19	
		<i>For Three Way Pattern, Deduct</i>	-4.08	
		<i>For Two Way Pattern, Deduct</i>	-3.26	
		<i>For One Way Pattern, Deduct</i>	-3.26	
		<i>For Grille (No Damper), Deduct</i>	-6.12	
		<i>For Stainless Steel, Add</i>	101.93	
23 37 13 13-0156	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	66.99	6.15
		<i>For Steel Construction, Deduct</i>	-6.48	
		<i>For Lay In Frame, Deduct</i>	-10.79	
		<i>For Three Way Pattern, Deduct</i>	-4.32	
		<i>For Two Way Pattern, Deduct</i>	-3.45	
		<i>For One Way Pattern, Deduct</i>	-3.45	
		<i>For Grille (No Damper), Deduct</i>	-6.48	
		<i>For Stainless Steel, Add</i>	107.93	
23 37 13 13-0157	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	73.03	8.46
		<i>For Steel Construction, Deduct</i>	-6.12	
		<i>For Lay In Frame, Deduct</i>	-10.19	
		<i>For Three Way Pattern, Deduct</i>	-4.08	
		<i>For Two Way Pattern, Deduct</i>	-3.26	
		<i>For One Way Pattern, Deduct</i>	-3.26	
		<i>For Grille (No Damper), Deduct</i>	-6.12	
		<i>For Stainless Steel, Add</i>	101.93	
23 37 13 13-0158	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	81.83	7.68
		<i>For Steel Construction, Deduct</i>	-7.44	
		<i>For Lay In Frame, Deduct</i>	-12.39	
		<i>For Three Way Pattern, Deduct</i>	-4.96	
		<i>For Two Way Pattern, Deduct</i>	-3.97	
		<i>For One Way Pattern, Deduct</i>	-3.97	
		<i>For Grille (No Damper), Deduct</i>	-7.44	
		<i>For Stainless Steel, Add</i>	123.93	
23 37 13 13-0159	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	98.36	10.00
		<i>For Steel Construction, Deduct</i>	-8.87	
		<i>For Lay In Frame, Deduct</i>	-14.79	
		<i>For Three Way Pattern, Deduct</i>	-5.92	
		<i>For Two Way Pattern, Deduct</i>	-4.73	
		<i>For One Way Pattern, Deduct</i>	-4.73	
		<i>For Grille (No Damper), Deduct</i>	-8.87	
		<i>For Stainless Steel, Add</i>	147.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0160	EA		14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	121.26	11.53
			<i>For Steel Construction, Deduct</i>	-11.03	
			<i>For Lay In Frame, Deduct</i>	-18.39	
			<i>For Three Way Pattern, Deduct</i>	-7.36	
			<i>For Two Way Pattern, Deduct</i>	-5.88	
			<i>For One Way Pattern, Deduct</i>	-5.88	
			<i>For Grille (No Damper), Deduct</i>	-11.03	
			<i>For Stainless Steel, Add</i>	183.88	
23 37 13 13-0161	EA		16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	121.26	11.53
			<i>For Steel Construction, Deduct</i>	-11.03	
			<i>For Lay In Frame, Deduct</i>	-18.39	
			<i>For Three Way Pattern, Deduct</i>	-7.36	
			<i>For Two Way Pattern, Deduct</i>	-5.88	
			<i>For One Way Pattern, Deduct</i>	-5.88	
			<i>For Grille (No Damper), Deduct</i>	-11.03	
			<i>For Stainless Steel, Add</i>	183.88	
23 37 13 13-0162	EA		18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	149.45	15.38
			<i>For Steel Construction, Deduct</i>	-13.43	
			<i>For Lay In Frame, Deduct</i>	-22.39	
			<i>For Three Way Pattern, Deduct</i>	-8.95	
			<i>For Two Way Pattern, Deduct</i>	-7.16	
			<i>For One Way Pattern, Deduct</i>	-7.16	
			<i>For Grille (No Damper), Deduct</i>	-13.43	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0163	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	198.01	16.14
			<i>For Steel Construction, Deduct</i>	-20.27	
			<i>For Lay In Frame, Deduct</i>	-33.78	
			<i>For Three Way Pattern, Deduct</i>	-13.51	
			<i>For Two Way Pattern, Deduct</i>	-10.81	
			<i>For One Way Pattern, Deduct</i>	-10.81	
			<i>For Grille (No Damper), Deduct</i>	-20.27	
			<i>For Stainless Steel, Add</i>	337.78	
23 37 13 13-0164	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	324.62	32.60
			<i>For Steel Construction, Deduct</i>	-38.91	
			<i>For Lay In Frame, Deduct</i>	-64.86	
			<i>For Three Way Pattern, Deduct</i>	-25.94	
			<i>For Two Way Pattern, Deduct</i>	-20.75	
			<i>For One Way Pattern, Deduct</i>	-20.75	
			<i>For Grille (No Damper), Deduct</i>	-38.91	
			<i>For Stainless Steel, Add</i>	648.55	
23 37 13 13-0165			Removable-Reversible Core Registers <small>(23 37 13 13-0153)</small>		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0166	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	74.98	6.15
			<i>For Steel Construction, Deduct</i>	-5.12	
			<i>For Flat Frame, Deduct</i>	-5.12	
			<i>For Grille (No Damper), Deduct</i>	-15.35	
			<i>For Stainless Steel, Add</i>	127.90	
23 37 13 13-0167	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	95.77	6.15
			<i>For Steel Construction, Deduct</i>	-7.20	
			<i>For Flat Frame, Deduct</i>	-7.20	
			<i>For Grille (No Damper), Deduct</i>	-21.59	
			<i>For Stainless Steel, Add</i>	179.88	
23 37 13 13-0168	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	121.80	8.46
			<i>For Steel Construction, Deduct</i>	-8.95	
			<i>For Flat Frame, Deduct</i>	-8.95	
			<i>For Grille (No Damper), Deduct</i>	-26.86	
			<i>For Stainless Steel, Add</i>	223.85	
23 37 13 13-0169	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	123.40	8.46
			<i>For Steel Construction, Deduct</i>	-9.11	
			<i>For Flat Frame, Deduct</i>	-9.11	
			<i>For Grille (No Damper), Deduct</i>	-27.34	
			<i>For Stainless Steel, Add</i>	227.85	
23 37 13 13-0170	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	157.52	10.00
			<i>For Steel Construction, Deduct</i>	-11.83	
			<i>For Flat Frame, Deduct</i>	-11.83	
			<i>For Grille (No Damper), Deduct</i>	-35.50	
			<i>For Stainless Steel, Add</i>	295.80	
23 37 13 13-0171	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	225.19	12.30
			<i>For Steel Construction, Deduct</i>	-17.75	
			<i>For Flat Frame, Deduct</i>	-17.75	
			<i>For Grille (No Damper), Deduct</i>	-53.24	
			<i>For Stainless Steel, Add</i>	443.70	
23 37 13 13-0172	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	253.97	11.53
			<i>For Steel Construction, Deduct</i>	-20.63	
			<i>For Flat Frame, Deduct</i>	-20.63	
			<i>For Grille (No Damper), Deduct</i>	-61.88	
			<i>For Stainless Steel, Add</i>	515.65	
23 37 13 13-0173	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	306.14	15.38
			<i>For Steel Construction, Deduct</i>	-24.62	
			<i>For Flat Frame, Deduct</i>	-24.62	
			<i>For Grille (No Damper), Deduct</i>	-73.87	
			<i>For Stainless Steel, Add</i>	615.58	
23 37 13 13-0174	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	387.47	15.38
			<i>For Steel Construction, Deduct</i>	-32.46	
			<i>For Flat Frame, Deduct</i>	-32.46	
			<i>For Grille (No Damper), Deduct</i>	-97.37	
			<i>For Stainless Steel, Add</i>	811.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 37 13 13-0175	Adjustable Shutter Blade Registers (23 37 13 13-0153) Note: Double deflection flat frame aluminum construction.				
23 37 13 13-0176	EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	117.09		6.15	
	For Steel Construction, Deduct	-9.33			
	For Single Deflection, Deduct	-18.65			
	For Grille (No Damper), Deduct	-13.99			
	For Stainless Steel, Add	233.18			
23 37 13 13-0177	EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	135.74		6.15	
	For Steel Construction, Deduct	-11.19			
	For Single Deflection, Deduct	-22.38			
	For Grille (No Damper), Deduct	-16.79			
	For Stainless Steel, Add	279.80			
23 37 13 13-0178	EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	144.18		8.46	
	For Steel Construction, Deduct	-11.19			
	For Single Deflection, Deduct	-22.38			
	For Grille (No Damper), Deduct	-16.79			
	For Stainless Steel, Add	279.80			
23 37 13 13-0179	EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	149.51		7.68	
	For Steel Construction, Deduct	-11.73			
	For Single Deflection, Deduct	-23.45			
	For Grille (No Damper), Deduct	-17.59			
	For Stainless Steel, Add	293.13			
23 37 13 13-0180	EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	183.10		10.00	
	For Steel Construction, Deduct	-14.39			
	For Single Deflection, Deduct	-28.78			
	For Grille (No Damper), Deduct	-21.59			
	For Stainless Steel, Add	359.75			
23 37 13 13-0181	EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	244.91		11.53	
	For Steel Construction, Deduct	-19.72			
	For Single Deflection, Deduct	-39.44			
	For Grille (No Damper), Deduct	-29.58			
	For Stainless Steel, Add	493.00			
23 37 13 13-0182	EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	290.21		12.30	
	For Steel Construction, Deduct	-24.25			
	For Single Deflection, Deduct	-48.50			
	For Grille (No Damper), Deduct	-36.38			
	For Stainless Steel, Add	606.25			
23 37 13 13-0183	EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	358.37		15.38	
	For Steel Construction, Deduct	-29.85			
	For Single Deflection, Deduct	-59.69			
	For Grille (No Damper), Deduct	-44.77			
	For Stainless Steel, Add	746.15			
23 37 13 13-0184	EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	497.27		16.14	
	For Steel Construction, Deduct	-43.44			
	For Single Deflection, Deduct	-86.87			
	For Grille (No Damper), Deduct	-65.16			
	For Stainless Steel, Add	1,085.93			
23 37 13 13-0185	Air Conditioning And Ventilation (23 37 13 13-0153)				
23 37 13 13-0186	EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	62.66		16.14	
	For Stainless Steel, Add	76.00			
23 37 13 13-0187	EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	108.84		24.03	
	For Stainless Steel, Add	151.98			
23 37 13 13-0188	EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	168.58		33.63	
	For Stainless Steel, Add	253.30			
23 37 13 13-0189	EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	426.62		46.13	
	For Stainless Steel, Add	835.93			
23 37 13 13-0190	Square Wall Return Air And Exhaust Grilles (23 37 13 13-0153) Note: Egg crate design aluminum construction.				
23 37 13 13-0191	EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	56.87		19.30	
23 37 13 13-0192	EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	62.49		19.30	
23 37 13 13-0193	EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	93.02		28.95	
23 37 13 13-0194	EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	121.13		28.95	
23 37 13 13-0195	EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	203.67		38.60	
23 37 13 13-0196	EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	373.25		38.43	
23 37 13 13-0197	Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0153) Note: Aluminum construction.				
23 37 13 13-0198	EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	166.29		13.89	
23 37 13 13-0199	EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	190.28		13.89	
23 37 13 13-0200	EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	229.63		15.44	
23 37 13 13-0201	EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	272.25		15.44	
23 37 13 13-0202	EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	348.69		48.25	
23 37 13 13-0203	Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0153) Note: Egg crate design, plastic construction.				
23 37 13 13-0204	EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	31.66		9.25	
23 37 13 13-0205	EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	45.94		9.33	
23 37 13 13-0206	Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0153) Note: Painted steel louvers and frame.				
23 37 13 13-0207	EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	92.73		13.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 13 13-0208	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	115.66	13.89
23 37 13 13-0209	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	144.97	14.67
23 37 13 13-0210	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	200.93	17.52
23 37 13 13-0211	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	222.85	32.19

23 37 13 13-0212 Removal And Reinstallation Of Distribution Devices (23 37 13 13)

23 37 13 13-0213	EA		Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	144.14	
23 37 13 13-0214	EA		Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	158.98	
23 37 13 13-0215	EA		Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	23.83	
23 37 13 13-0216	EA		Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	32.27	

23 37 13 43 Security Registers and Grilles (23 37 13)

23 37 13 43-0001 Security Registers And Grilles (23 37 13 43)

23 37 13 43-0002 Maximum Security Steel Supply / Return Registers (23 37 13 43-0001)

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0003	EA		6" x 6" Maximum Security Supply/ Return Register.....	170.37	8.61
23 37 13 43-0004	EA		9" x 9" Maximum Security Supply/ Return Register.....	249.43	10.24
23 37 13 43-0005	EA		12" x 6" Maximum Security Supply/ Return Register.....	230.84	10.76
23 37 13 43-0006	EA		12" x 8" Maximum Security Supply/ Return Register.....	267.34	12.41
23 37 13 43-0007	EA		10" x 10" Maximum Security Supply/ Return Register.....	251.59	10.76
23 37 13 43-0008	EA		14" x 12" Maximum Security Supply/ Return Register.....	349.64	15.13
23 37 13 43-0009	EA		14" x 14" Maximum Security Supply/ Return Register.....	396.52	16.30
23 37 13 43-0010	EA		18" x 18" Maximum Security Supply/ Return Register.....	533.91	19.37
23 37 13 43-0011	EA		24" x 24" Maximum Security Supply/ Return Registers.....	771.10	24.75

23 37 13 43-0012 Staff Security Steel Supply Registers (23 37 13 43-0001)

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0013	EA		6" x 6" Staff Security Supply Register.....	124.73	8.61
23 37 13 43-0014	EA		9" x 9" Staff Security Supply Register.....	162.30	10.24
23 37 13 43-0015	EA		12" x 12" Staff Security Supply Register.....	204.26	13.98
23 37 13 43-0016	EA		15" x 15" Staff Security Supply Register.....	294.94	16.13
23 37 13 43-0017	EA		21" x 21" Staff Security Supply Register.....	424.18	21.52
23 37 13 43-0018	EA		24" x 24" Staff Security Supply Register.....	511.78	24.75

23 37 13 43-0019 Staff Security Steel Return Registers (23 37 13 43-0001)

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0020	EA		10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	162.15	9.31
23 37 13 43-0021	EA		6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	145.47	8.61
23 37 13 43-0022	EA		10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	177.75	9.69
23 37 13 43-0023	EA		12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	179.97	10.47
23 37 13 43-0024	EA		12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	225.85	12.41
23 37 13 43-0025	EA		16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	238.30	12.41
23 37 13 43-0026	EA		16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	266.42	12.88
23 37 13 43-0027	EA		12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	266.50	13.98
23 37 13 43-0028	EA		30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	351.79	15.67
23 37 13 43-0029	EA		14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	297.78	15.13
23 37 13 43-0030	EA		28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	375.77	16.13
23 37 13 43-0031	EA		18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register..... Note: Perforated with square holes.	344.65	15.98

23 37 13 43-0032 Maximum Security Steel Grills (23 37 13 43-0001)

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0033	EA		10" x 4" Maximum Security Grill.....	137.25	9.31
23 37 13 43-0034	EA		6" x 6" Maximum Security Grill.....	124.73	8.61
23 37 13 43-0035	EA		10" x 6" Maximum Security Grill.....	148.70	9.69
23 37 13 43-0036	EA		12" x 5" Maximum Security Grill.....	153.00	10.47
23 37 13 43-0037	EA		12" x 8" Maximum Security Grill.....	182.28	12.41
23 37 13 43-0038	EA		16" x 8" Maximum Security Grill.....	212.48	12.88
23 37 13 43-0039	EA		12" x 12" Maximum Security Grill.....	212.56	13.98
23 37 13 43-0040	EA		14" x 12" Maximum Security Grill.....	231.39	15.13
23 37 13 43-0041	EA		30" x 6" Maximum Security Grill.....	289.56	15.67
23 37 13 43-0042	EA		28" x 8" Maximum Security Grill.....	305.23	16.13
23 37 13 43-0043	EA		18" x 12" Maximum Security Grill.....	276.19	15.98

23 37 23 HVAC Gravity Ventilators (23 37)

23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)

23 Heating, Ventilating, and Air-Conditioning (HVAC)
23 30 HVAC Air Distribution
23 37 Air Outlets and Inlets

Table with columns: MINOR CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Main table listing items under '23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood' with various specifications and costs.

23 38 Ventilation Hoods (23 38)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Stainless Steel Exhaust Hood Material (23 38 13 16)

Table for item 23 38 13 16-0001 SF 16 Gauge, Type 304, Stainless Steel Exhaust Hood Material

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 38 13 16-0003	SF 14 Gauge, Type 304, Stainless Steel Exhaust Hood Material <i>For Type 316 Stainless Steel, Add</i>	39.90	14.25
		1.22	
23 38 13 16-0004	SF 12 Gauge, Type 304, Stainless Steel Exhaust Hood Material <i>For Type 316 Stainless Steel, Add</i>	55.41	19.24
		1.70	
23 38 13 16-0005	SF 10 Gauge, Type 304, Stainless Steel Exhaust Hood Material <i>For Type 316 Stainless Steel, Add</i>	69.41	23.51
		2.19	

23 40 HVAC Air Cleaning Devices ⁽²³⁾

23 41 Particulate Air Filtration ^(23 40)

23 41 13 Panel Air Filters ^(23 41)

23 41 13 00-0001 Disposable Air Filters ^(23 41 13)

23 41 13 00-0002	EA Throwaway Glass Or Paper Media Filter, Residential	10.13	
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23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 13)

23 41 13 00-0004	MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	68.34	
23 41 13 00-0005	MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar.....	66.00	
23 41 13 00-0006	MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	2.85	

23 41 16 Renewable-Media Air Filters ^(23 41)

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 16)

23 41 16 00-0002	MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	117.60	
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23 41 19 Washable Air Filters ^(23 41)

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar ^(23 41 19)

23 41 19 00-0002	MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	44.90	
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23 41 33 High-Efficiency Particulate Filtration ^(23 41)

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters ^(23 41 33)

Note: Includes particle board and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% ^(23 41 33 00-0001)

23 41 33 00-0003	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	110.67	10.81
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.16	
	<i>For >10 To 25, Deduct</i>	-2.77	
	<i>For >25 To 50, Deduct</i>	-5.53	
	<i>For >50 To 100, Deduct</i>	-8.30	
	<i>For >100, Deduct</i>	-11.07	
23 41 33 00-0004	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	149.01	12.35
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.47	
	<i>For >10 To 25, Deduct</i>	-3.73	
	<i>For >25 To 50, Deduct</i>	-7.45	
	<i>For >50 To 100, Deduct</i>	-11.18	
	<i>For >100, Deduct</i>	-14.90	
23 41 33 00-0005	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	174.57	14.29
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.86	
	<i>For >10 To 25, Deduct</i>	-4.36	
	<i>For >25 To 50, Deduct</i>	-8.73	
	<i>For >50 To 100, Deduct</i>	-13.09	
	<i>For >100, Deduct</i>	-17.46	
23 41 33 00-0006	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	200.14	16.22
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.24	
	<i>For >10 To 25, Deduct</i>	-5.00	
	<i>For >25 To 50, Deduct</i>	-10.01	
	<i>For >50 To 100, Deduct</i>	-15.01	
	<i>For >100, Deduct</i>	-20.01	
23 41 33 00-0007	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	136.31	11.58
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.32	
	<i>For >10 To 25, Deduct</i>	-3.41	
	<i>For >25 To 50, Deduct</i>	-6.82	
	<i>For >50 To 100, Deduct</i>	-10.22	
	<i>For >100, Deduct</i>	-13.63	
23 41 33 00-0008	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	184.95	13.51
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.70	
	<i>For >10 To 25, Deduct</i>	-4.62	
	<i>For >25 To 50, Deduct</i>	-9.25	
	<i>For >50 To 100, Deduct</i>	-13.87	
	<i>For >100, Deduct</i>	-18.50	
23 41 33 00-0009	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	221.72	15.44
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.09	
	<i>For >10 To 25, Deduct</i>	-5.54	
	<i>For >25 To 50, Deduct</i>	-11.09	
	<i>For >50 To 100, Deduct</i>	-16.63	
	<i>For >100, Deduct</i>	-22.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 41 33 00-0010	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	262.36	19.30
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.86	
	<i>For >10 To 25, Deduct</i>	-6.56	
	<i>For >25 To 50, Deduct</i>	-13.12	
	<i>For >50 To 100, Deduct</i>	-19.68	
	<i>For >100, Deduct</i>	-26.24	
23 41 33 00-0011	High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012	EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	94.46	9.65
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.93	
	<i>For >10 To 25, Deduct</i>	-2.36	
	<i>For >25 To 50, Deduct</i>	-4.72	
	<i>For >50 To 100, Deduct</i>	-7.08	
	<i>For >100, Deduct</i>	-9.45	
23 41 33 00-0013	EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	132.38	11.58
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.32	
	<i>For >10 To 25, Deduct</i>	-3.31	
	<i>For >25 To 50, Deduct</i>	-6.62	
	<i>For >50 To 100, Deduct</i>	-9.93	
	<i>For >100, Deduct</i>	-13.24	
23 41 33 00-0014	EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	206.47	13.51
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.70	
	<i>For >10 To 25, Deduct</i>	-5.16	
	<i>For >25 To 50, Deduct</i>	-10.32	
	<i>For >50 To 100, Deduct</i>	-15.49	
	<i>For >100, Deduct</i>	-20.65	
23 41 33 00-0015	EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	267.25	15.44
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.09	
	<i>For >10 To 25, Deduct</i>	-6.68	
	<i>For >25 To 50, Deduct</i>	-13.36	
	<i>For >50 To 100, Deduct</i>	-20.04	
	<i>For >100, Deduct</i>	-26.73	
23 41 33 00-0016	EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	90.53	7.72
	<i>For Removal And Replacement In Existing Equipment, Add</i>	1.54	
	<i>For >10 To 25, Deduct</i>	-2.26	
	<i>For >25 To 50, Deduct</i>	-4.53	
	<i>For >50 To 100, Deduct</i>	-6.79	
	<i>For >100, Deduct</i>	-9.05	
23 41 33 00-0017	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	119.80	10.42
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.08	
	<i>For >10 To 25, Deduct</i>	-3.00	
	<i>For >25 To 50, Deduct</i>	-5.99	
	<i>For >50 To 100, Deduct</i>	-8.99	
	<i>For >100, Deduct</i>	-11.98	
23 41 33 00-0018	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	162.83	12.35
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.47	
	<i>For >10 To 25, Deduct</i>	-4.07	
	<i>For >25 To 50, Deduct</i>	-8.14	
	<i>For >50 To 100, Deduct</i>	-12.21	
	<i>For >100, Deduct</i>	-16.28	
23 41 33 00-0019	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	191.18	14.48
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.90	
	<i>For >10 To 25, Deduct</i>	-4.78	
	<i>For >25 To 50, Deduct</i>	-9.56	
	<i>For >50 To 100, Deduct</i>	-14.34	
	<i>For >100, Deduct</i>	-19.12	
23 41 33 00-0020	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	218.77	16.22
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.24	
	<i>For >10 To 25, Deduct</i>	-5.47	
	<i>For >25 To 50, Deduct</i>	-10.94	
	<i>For >50 To 100, Deduct</i>	-16.41	
	<i>For >100, Deduct</i>	-21.88	
23 41 33 00-0021	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	148.88	11.58
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.32	
	<i>For >10 To 25, Deduct</i>	-3.72	
	<i>For >25 To 50, Deduct</i>	-7.44	
	<i>For >50 To 100, Deduct</i>	-11.17	
	<i>For >100, Deduct</i>	-14.89	
23 41 33 00-0022	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	202.50	13.51
	<i>For Removal And Replacement In Existing Equipment, Add</i>	2.70	
	<i>For >10 To 25, Deduct</i>	-5.06	
	<i>For >25 To 50, Deduct</i>	-10.13	
	<i>For >50 To 100, Deduct</i>	-15.19	
	<i>For >100, Deduct</i>	-20.25	
23 41 33 00-0023	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	242.93	15.44
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.09	
	<i>For >10 To 25, Deduct</i>	-6.07	
	<i>For >25 To 50, Deduct</i>	-12.15	
	<i>For >50 To 100, Deduct</i>	-18.22	
	<i>For >100, Deduct</i>	-24.29	
23 41 33 00-0024	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	299.05	19.30
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.86	
	<i>For >10 To 25, Deduct</i>	-7.48	
	<i>For >25 To 50, Deduct</i>	-14.95	
	<i>For >50 To 100, Deduct</i>	-22.43	
	<i>For >100, Deduct</i>	-29.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	242.66	57.64
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	445.24	114.56
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	453.83	114.56
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	459.55	114.56
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	499.62	114.56
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	549.71	114.56
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	856.14	229.85
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	977.79	229.85
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,132.35	229.85
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	266.99	57.64
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	486.74	114.56
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	496.76	114.56
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	503.91	114.56
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	551.14	114.56
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	614.11	114.56
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	956.32	229.85
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,108.02	229.85
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,299.79	229.85

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	192.11	74.71
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	232.16	74.71

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)

23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	187.52	74.71
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	217.06	74.71

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	39.94	5.79
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	40.44	5.79
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	40.74	5.79
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	40.74	5.79
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	44.50	5.79
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	50.67	5.79
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	50.94	6.56
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	51.36	6.56
23 42 13 00-0009	EA		16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	51.72	6.56
23 42 13 00-0010	EA		20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	51.72	6.56
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	55.87	6.56
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	67.43	6.56
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	22.77	5.79
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	24.55	5.79
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	24.62	5.79
23 42 13 00-0016	EA		20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	26.96	5.79
23 42 13 00-0017	EA		24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	29.03	5.79
23 42 13 00-0018	EA		16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	26.44	6.56
23 42 13 00-0019	EA		16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	29.55	6.56
23 42 13 00-0020	EA		20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	30.21	6.56
23 42 13 00-0021	EA		20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	34.07	6.56
23 42 13 00-0022	EA		24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	36.53	6.56
23 42 13 00-0023	EA		24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	62.63	6.95

23 43 Electronic Air Cleaners (23 40)

23 43 23 Self-Contained Electronic Air Cleaners (23 43)

23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)

23 43 23 00-0002	EA		Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	717.82	
23 43 23 00-0003	EA		Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	997.82	
23 43 23 00-0004	EA		Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	2,517.82	
23 43 23 00-0005	EA		Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	566.83	
23 43 23 00-0006	EA		Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,016.83	
23 43 23 00-0007	EA		Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	4,016.83	

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009	EA		Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	1,855.76	
23 43 23 00-0010	EA		Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	2,579.21	
23 43 23 00-0011	EA		Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	2,947.76	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013	EA		2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	2,389.44	
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23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 43 Electronic Air Cleaners**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 50 Central Heating Equipment** ⁽²³⁾**23 51 Breechings, Chimneys, and Stacks** ^(23 50)**23 51 13 Draft Control Devices** ^(23 51)**23 51 13 13 Draft-Induction Fans** ^(23 51 13)

23 51 13 13-0001	Vertical Discharge Fans ^(23 51 13 13)		
	Note: Includes chimney adapter. Excludes wiring.		
23 51 13 13-0002	Axial Vane Vertical Discharge Fans ^(23 51 13 13-0001)		
23 51 13 13-0003	EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,302.69	156.56
23 51 13 13-0004	EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,612.02	170.79
23 51 13 13-0005	EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,139.09	188.58
23 51 13 13-0006	EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,108.63	218.82
23 51 13 13-0007	Centrifugal Impeller Vertical Discharge Fans ^(23 51 13 13-0001)		
23 51 13 13-0008	EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	2,772.02	170.79
23 51 13 13-0009	EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,384.94	188.58
23 51 13 13-0010	EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,400.89	220.60
23 51 13 13-0011	EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,214.98	247.28
23 51 13 13-0012	Accessories For Vertical Discharge Fans ^(23 51 13 13-0001)		
23 51 13 13-0013	EA Modulating Fan Controller And Sensor.....	317.40	53.37

23 51 13 16 Vent Dampers ^(23 51 13)

23 51 13 16-0001	Flue Shutter Draft Control Damper, Parallel Blade ^(23 51 13 16)		
23 51 13 16-0002	EA 3" Round Flue Shutter Draft Control Damper.....	682.62	31.60
23 51 13 16-0003	EA 4" Round Flue Shutter Draft Control Damper.....	749.49	33.52
23 51 13 16-0004	EA 5" Round Flue Shutter Draft Control Damper.....	828.73	35.58
23 51 13 16-0005	EA 6" Round Flue Shutter Draft Control Damper.....	885.47	37.94
23 51 13 16-0006	EA 7" Round Flue Shutter Draft Control Damper.....	967.45	40.65
23 51 13 16-0007	EA 8" Round Flue Shutter Draft Control Damper.....	1,027.22	43.76
23 51 13 16-0008	EA 10" Round Flue Shutter Draft Control Damper.....	1,136.54	47.45
23 51 13 16-0009	EA 12" Round Flue Shutter Draft Control Damper.....	1,248.31	51.74
23 51 13 16-0010	EA 14" Round Flue Shutter Draft Control Damper.....	1,400.69	54.26
23 51 13 16-0011	EA 16" Round Flue Shutter Draft Control Damper.....	1,505.95	56.93
23 51 13 16-0012	EA 18" Round Flue Shutter Draft Control Damper.....	1,647.50	59.78
23 51 13 16-0013	EA 20" Round Flue Shutter Draft Control Damper.....	1,928.86	94.64
23 51 13 16-0014	EA 22" Round Flue Shutter Draft Control Damper.....	2,118.08	100.52
23 51 13 16-0015	EA 24" Round Flue Shutter Draft Control Damper.....	2,297.02	106.75
23 51 13 16-0016	EA 26" Round Flue Shutter Draft Control Damper.....	2,334.67	110.30
23 51 13 16-0017	EA 28" Round Flue Shutter Draft Control Damper.....	2,408.14	113.86
23 51 13 16-0018	EA 30" Round Flue Shutter Draft Control Damper.....	2,472.15	120.98
23 51 13 16-0019	EA 32" Round Flue Shutter Draft Control Damper.....	2,581.23	124.45
23 51 13 16-0020	EA 34" Round Flue Shutter Draft Control Damper.....	2,692.22	131.57
23 51 13 16-0021	EA 36" Round Flue Shutter Draft Control Damper.....	2,817.91	142.32
23 51 13 16-0022	EA 38" Round Flue Shutter Draft Control Damper.....	2,962.39	147.21
23 51 13 16-0023	EA 40" Round Flue Shutter Draft Control Damper.....	3,097.47	149.44
23 51 13 16-0024	EA 42" Round Flue Shutter Draft Control Damper.....	3,249.79	156.56
23 51 13 16-0025	EA 44" Round Flue Shutter Draft Control Damper.....	3,403.03	163.67
23 51 13 16-0026	EA 46" Round Flue Shutter Draft Control Damper.....	3,556.70	170.79
23 51 13 16-0027	EA 48" Round Flue Shutter Draft Control Damper.....	3,709.70	177.90

23 51 13 19 Barometric Dampers ^(23 51 13)

23 51 13 19-0001	Barometric Dampers ^(23 51 13 19)		
23 51 13 19-0002	EA 6" x 6" Barometric Damper.....	320.69	6.15
23 51 13 19-0003	EA 12" x 12" Barometric Damper.....	464.26	8.46
23 51 13 19-0004	EA 18" x 18" Barometric Damper.....	620.92	13.07
23 51 13 19-0005	EA 24" x 24" Barometric Damper.....	737.31	24.61
23 51 13 19-0006	EA 6" Diameter Barometric Damper.....	155.60	6.15
	For Stainless Steel, Add	171.26	
23 51 13 19-0007	EA 7" Diameter Barometric Damper.....	184.19	6.91
	For Stainless Steel, Add	203.46	
23 51 13 19-0008	EA 8" Diameter Barometric Damper.....	213.69	7.68
	For Stainless Steel, Add	235.96	
23 51 13 19-0009	EA 9" Diameter Barometric Damper.....	263.75	7.68
	For Stainless Steel, Add	298.91	
23 51 13 19-0010	EA 10" Diameter Barometric Damper.....	348.73	9.23
	For Stainless Steel, Add	407.23	
23 51 13 19-0011	EA 12" Diameter Barometric Damper.....	443.55	10.00
	For Stainless Steel, Add	525.21	
23 51 13 19-0012	EA 14" Diameter Barometric Damper.....	558.51	10.77
	For Stainless Steel, Add	669.84	
23 51 13 19-0013	EA 15" Diameter Barometric Damper.....	667.01	11.53
	For Stainless Steel, Add	805.09	
23 51 13 19-0014	EA 16" Diameter Barometric Damper.....	774.37	13.07
	For Stainless Steel, Add	940.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0015	EA		18" Diameter Barometric Damper	1,021.47	13.84
			<i>For Stainless Steel, Add</i>	1,255.94	
23 51 13 19-0016	EA		20" Diameter Barometric Damper	1,216.57	15.38
			<i>For Stainless Steel, Add</i>	1,503.32	
23 51 13 19-0017	EA		24" Diameter Barometric Damper	1,468.15	15.38
			<i>For Stainless Steel, Add</i>	1,826.83	
23 51 13 19-0018	EA		30" Diameter Barometric Damper	1,811.11	17.68
			<i>For Stainless Steel, Add</i>	2,264.50	
23 51 13 19-0019	EA		36" Diameter Barometric Damper	2,312.44	18.45
			<i>For Stainless Steel, Add</i>	2,911.49	

23 51 16 Fabricated Breechings and Accessories (23 51)

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	20.26	6.33
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.25	
			<i>For 304 Stainless Steel Liner, Add</i>	0.33	
			<i>For 2" Wall Instead Of 1", Add</i>	2.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.17	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	21.78	6.69
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.30	
			<i>For 304 Stainless Steel Liner, Add</i>	0.41	
			<i>For 2" Wall Instead Of 1", Add</i>	3.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.72	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	24.09	7.12
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.36	
			<i>For 304 Stainless Steel Liner, Add</i>	0.49	
			<i>For 2" Wall Instead Of 1", Add</i>	3.71	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.44	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	26.28	7.62
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.41	
			<i>For 304 Stainless Steel Liner, Add</i>	0.56	
			<i>For 2" Wall Instead Of 1", Add</i>	4.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.14	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	30.97	8.11
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.61	
			<i>For 304 Stainless Steel Liner, Add</i>	0.83	
			<i>For 2" Wall Instead Of 1", Add</i>	5.31	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.96	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.42	8.75
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.68	
			<i>For 304 Stainless Steel Liner, Add</i>	0.92	
			<i>For 2" Wall Instead Of 1", Add</i>	5.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.97	
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	49.94	9.40
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	1.43	
			<i>For 304 Stainless Steel Liner, Add</i>	1.95	
			<i>For 2" Wall Instead Of 1", Add</i>	10.20	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.50	
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	60.85	10.39
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	1.92	
			<i>For 304 Stainless Steel Liner, Add</i>	2.62	
			<i>For 2" Wall Instead Of 1", Add</i>	13.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.91	
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	85.80	10.81
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	3.23	
			<i>For 304 Stainless Steel Liner, Add</i>	4.40	
			<i>For 2" Wall Instead Of 1", Add</i>	20.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	31.83	
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	107.48	11.39
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	4.35	
			<i>For 304 Stainless Steel Liner, Add</i>	5.94	
			<i>For 2" Wall Instead Of 1", Add</i>	26.58	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.28	
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	132.42	11.96
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	5.62	
			<i>For 304 Stainless Steel Liner, Add</i>	7.67	
			<i>For 2" Wall Instead Of 1", Add</i>	33.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	52.04	
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	168.22	19.00
			Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	6.67	
			<i>For 304 Stainless Steel Liner, Add</i>	9.10	
			<i>For 2" Wall Instead Of 1", Add</i>	41.09	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	63.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	203.64	20.07
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	8.42	
		For 304 Stainless Steel Liner, Add	11.48	
		For 2" Wall Instead Of 1", Add	50.96	
		For 3" To 4" Wall Instead Of 1", Add	78.98	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	242.41	21.35
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	10.37	
		For 304 Stainless Steel Liner, Add	14.15	
		For 2" Wall Instead Of 1", Add	61.96	
		For 3" To 4" Wall Instead Of 1", Add	95.63	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	281.94	22.06
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	12.48	
		For 304 Stainless Steel Liner, Add	17.01	
		For 2" Wall Instead Of 1", Add	73.57	
		For 3" To 4" Wall Instead Of 1", Add	113.10	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	295.64	22.77
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	13.13	
		For 304 Stainless Steel Liner, Add	17.90	
		For 2" Wall Instead Of 1", Add	77.31	
		For 3" To 4" Wall Instead Of 1", Add	118.81	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	314.17	24.41
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness		
		For Aluminum Liner, Add	13.93	
		For 304 Stainless Steel Liner, Add	18.99	
		For 2" Wall Instead Of 1", Add	82.07	
		For 3" To 4" Wall Instead Of 1", Add	126.14	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	356.00	25.34
		For Aluminum Liner, Add	16.10	
		For 304 Stainless Steel Liner, Add	21.96	
		For 2" Wall Instead Of 1", Add	94.16	
		For 3" To 4" Wall Instead Of 1", Add	144.40	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	399.31	26.26
		For Aluminum Liner, Add	18.35	
		For 304 Stainless Steel Liner, Add	25.03	
		For 2" Wall Instead Of 1", Add	106.67	
		For 3" To 4" Wall Instead Of 1", Add	163.28	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	420.40	27.33
		For Aluminum Liner, Add	19.37	
		For 304 Stainless Steel Liner, Add	26.41	
		For 2" Wall Instead Of 1", Add	112.47	
		For 3" To 4" Wall Instead Of 1", Add	172.12	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	456.20	28.46
		For Aluminum Liner, Add	21.18	
		For 304 Stainless Steel Liner, Add	28.88	
		For 2" Wall Instead Of 1", Add	122.65	
		For 3" To 4" Wall Instead Of 1", Add	187.52	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	502.88	29.68
		For Aluminum Liner, Add	23.58	
		For 304 Stainless Steel Liner, Add	32.15	
		For 2" Wall Instead Of 1", Add	136.02	
		For 3" To 4" Wall Instead Of 1", Add	207.74	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	526.10	31.03
		For Aluminum Liner, Add	24.66	
		For 304 Stainless Steel Liner, Add	33.63	
		For 2" Wall Instead Of 1", Add	142.30	
		For 3" To 4" Wall Instead Of 1", Add	217.33	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	582.55	32.52
		For Aluminum Liner, Add	27.57	
		For 304 Stainless Steel Liner, Add	37.59	
		For 2" Wall Instead Of 1", Add	158.50	
		For 3" To 4" Wall Instead Of 1", Add	241.81	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	632.76	34.16
		For Aluminum Liner, Add	30.10	
		For 304 Stainless Steel Liner, Add	41.05	
		For 2" Wall Instead Of 1", Add	172.75	
		For 3" To 4" Wall Instead Of 1", Add	263.39	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	696.42	35.94
		For Aluminum Liner, Add	33.37	
		For 304 Stainless Steel Liner, Add	45.50	
		For 2" Wall Instead Of 1", Add	190.98	
		For 3" To 4" Wall Instead Of 1", Add	290.96	
23 51 16 00-0029		90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	51.80	12.66
		For Aluminum Liner, Add	1.12	
		For 304 Stainless Steel Liner, Add	1.53	
		For 2" Wall Instead Of 1", Add	9.27	
		For 3" To 4" Wall Instead Of 1", Add	15.47	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	57.49	13.38
		For Aluminum Liner, Add	1.33	
		For 304 Stainless Steel Liner, Add	1.81	
		For 2" Wall Instead Of 1", Add	10.57	
		For 3" To 4" Wall Instead Of 1", Add	17.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	64.22	14.23
			For Aluminum Liner, Add	1.58	
			For 304 Stainless Steel Liner, Add	2.16	
			For 2" Wall Instead Of 1", Add	12.18	
			For 3" To 4" Wall Instead Of 1", Add	20.04	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	71.11	15.16
			For Aluminum Liner, Add	1.84	
			For 304 Stainless Steel Liner, Add	2.51	
			For 2" Wall Instead Of 1", Add	13.80	
			For 3" To 4" Wall Instead Of 1", Add	22.59	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	85.10	16.22
			For Aluminum Liner, Add	2.46	
			For 304 Stainless Steel Liner, Add	3.36	
			For 2" Wall Instead Of 1", Add	17.46	
			For 3" To 4" Wall Instead Of 1", Add	28.21	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.82	17.51
			For Aluminum Liner, Add	3.08	
			For 304 Stainless Steel Liner, Add	4.20	
			For 2" Wall Instead Of 1", Add	21.19	
			For 3" To 4" Wall Instead Of 1", Add	33.98	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	176.51	19.00
			For Aluminum Liner, Add	7.09	
			For 304 Stainless Steel Liner, Add	9.67	
			For 2" Wall Instead Of 1", Add	43.44	
			For 3" To 4" Wall Instead Of 1", Add	67.53	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	214.29	20.70
			For Aluminum Liner, Add	8.94	
			For 304 Stainless Steel Liner, Add	12.19	
			For 2" Wall Instead Of 1", Add	53.94	
			For 3" To 4" Wall Instead Of 1", Add	83.50	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	279.00	21.71
			For Aluminum Liner, Add	12.36	
			For 304 Stainless Steel Liner, Add	16.86	
			For 2" Wall Instead Of 1", Add	72.86	
			For 3" To 4" Wall Instead Of 1", Add	112.00	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	343.82	22.77
			For Aluminum Liner, Add	15.79	
			For 304 Stainless Steel Liner, Add	21.53	
			For 2" Wall Instead Of 1", Add	91.78	
			For 3" To 4" Wall Instead Of 1", Add	140.51	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	445.64	23.98
			For Aluminum Liner, Add	21.21	
			For 304 Stainless Steel Liner, Add	28.92	
			For 2" Wall Instead Of 1", Add	121.70	
			For 3" To 4" Wall Instead Of 1", Add	185.54	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	627.45	37.93
			For Aluminum Liner, Add	29.29	
			For 304 Stainless Steel Liner, Add	39.94	
			For 2" Wall Instead Of 1", Add	169.25	
			For 3" To 4" Wall Instead Of 1", Add	258.62	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	829.23	40.20
			For Aluminum Liner, Add	40.08	
			For 304 Stainless Steel Liner, Add	54.65	
			For 2" Wall Instead Of 1", Add	228.67	
			For 3" To 4" Wall Instead Of 1", Add	348.03	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	936.47	42.69
			For Aluminum Liner, Add	45.63	
			For 304 Stainless Steel Liner, Add	62.22	
			For 2" Wall Instead Of 1", Add	259.57	
			For 3" To 4" Wall Instead Of 1", Add	394.70	
23 51 16 00-0044			45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	43.37	12.66
			For Aluminum Liner, Add	0.65	
			For 304 Stainless Steel Liner, Add	0.88	
			For 2" Wall Instead Of 1", Add	6.69	
			For 3" To 4" Wall Instead Of 1", Add	11.62	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	47.39	13.38
			For Aluminum Liner, Add	0.76	
			For 304 Stainless Steel Liner, Add	1.04	
			For 2" Wall Instead Of 1", Add	7.51	
			For 3" To 4" Wall Instead Of 1", Add	12.95	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	51.92	14.23
			For Aluminum Liner, Add	0.90	
			For 304 Stainless Steel Liner, Add	1.22	
			For 2" Wall Instead Of 1", Add	8.46	
			For 3" To 4" Wall Instead Of 1", Add	14.47	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	57.49	15.16
			For Aluminum Liner, Add	1.08	
			For 304 Stainless Steel Liner, Add	1.47	
			For 2" Wall Instead Of 1", Add	9.66	
			For 3" To 4" Wall Instead Of 1", Add	16.39	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.68	16.22
			For Aluminum Liner, Add	1.54	
			For 304 Stainless Steel Liner, Add	2.10	
			For 2" Wall Instead Of 1", Add	12.47	
			For 3" To 4" Wall Instead Of 1", Add	20.74	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	75.99	17.51
		For Aluminum Liner, Add	1.77	
		For 304 Stainless Steel Liner, Add	2.42	
		For 2" Wall Instead Of 1", Add	14.05	
		For 3" To 4" Wall Instead Of 1", Add	23.26	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	128.04	19.00
		For Aluminum Liner, Add	4.43	
		For 304 Stainless Steel Liner, Add	6.04	
		For 2" Wall Instead Of 1", Add	28.92	
		For 3" To 4" Wall Instead Of 1", Add	45.75	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	153.34	20.70
		For Aluminum Liner, Add	5.59	
		For 304 Stainless Steel Liner, Add	7.62	
		For 2" Wall Instead Of 1", Add	35.65	
		For 3" To 4" Wall Instead Of 1", Add	56.07	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	197.18	21.71
		For Aluminum Liner, Add	7.86	
		For 304 Stainless Steel Liner, Add	10.72	
		For 2" Wall Instead Of 1", Add	48.31	
		For 3" To 4" Wall Instead Of 1", Add	75.17	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	236.29	22.77
		For Aluminum Liner, Add	9.87	
		For 304 Stainless Steel Liner, Add	13.45	
		For 2" Wall Instead Of 1", Add	59.51	
		For 3" To 4" Wall Instead Of 1", Add	92.10	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	300.96	23.98
		For Aluminum Liner, Add	13.26	
		For 304 Stainless Steel Liner, Add	18.08	
		For 2" Wall Instead Of 1", Add	78.30	
		For 3" To 4" Wall Instead Of 1", Add	120.45	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	366.50	37.86
		For Aluminum Liner, Add	14.95	
		For 304 Stainless Steel Liner, Add	20.39	
		For 2" Wall Instead Of 1", Add	91.02	
		For 3" To 4" Wall Instead Of 1", Add	141.27	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	509.71	40.20
		For Aluminum Liner, Add	22.51	
		For 304 Stainless Steel Liner, Add	30.69	
		For 2" Wall Instead Of 1", Add	132.81	
		For 3" To 4" Wall Instead Of 1", Add	204.24	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	625.18	42.69
		For Aluminum Liner, Add	28.52	
		For 304 Stainless Steel Liner, Add	38.89	
		For 2" Wall Instead Of 1", Add	166.22	
		For 3" To 4" Wall Instead Of 1", Add	254.66	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,133.25	44.12
		For Aluminum Liner, Add	56.27	
		For 304 Stainless Steel Liner, Add	76.73	
		For 2" Wall Instead Of 1", Add	317.93	
		For 3" To 4" Wall Instead Of 1", Add	482.40	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,164.82	45.54
		For Aluminum Liner, Add	57.81	
		For 304 Stainless Steel Liner, Add	78.83	
		For 2" Wall Instead Of 1", Add	326.69	
		For 3" To 4" Wall Instead Of 1", Add	495.72	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,227.99	48.39
		For Aluminum Liner, Add	60.89	
		For 304 Stainless Steel Liner, Add	83.03	
		For 2" Wall Instead Of 1", Add	344.22	
		For 3" To 4" Wall Instead Of 1", Add	522.37	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,371.68	49.81
		For Aluminum Liner, Add	68.60	
		For 304 Stainless Steel Liner, Add	93.54	
		For 2" Wall Instead Of 1", Add	386.61	
		For 3" To 4" Wall Instead Of 1", Add	586.14	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,497.91	52.65
		For Aluminum Liner, Add	75.15	
		For 304 Stainless Steel Liner, Add	102.48	
		For 2" Wall Instead Of 1", Add	423.06	
		For 3" To 4" Wall Instead Of 1", Add	641.17	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,543.61	56.93
		For Aluminum Liner, Add	77.08	
		For 304 Stainless Steel Liner, Add	105.10	
		For 2" Wall Instead Of 1", Add	434.64	
		For 3" To 4" Wall Instead Of 1", Add	659.07	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,653.69	58.93
		For Aluminum Liner, Add	82.86	
		For 304 Stainless Steel Liner, Add	112.99	
		For 2" Wall Instead Of 1", Add	466.67	
		For 3" To 4" Wall Instead Of 1", Add	707.36	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,760.93	59.78
		For Aluminum Liner, Add	88.64	
		For 304 Stainless Steel Liner, Add	120.87	
		For 2" Wall Instead Of 1", Add	498.41	
		For 3" To 4" Wall Instead Of 1", Add	755.08	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,838.11	62.62
		For Aluminum Liner, Add	92.49	
		For 304 Stainless Steel Liner, Add	126.12	
		For 2" Wall Instead Of 1", Add	520.14	
		For 3" To 4" Wall Instead Of 1", Add	788.03	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,950.32	65.47
		For Aluminum Liner, Add	98.27	
		For 304 Stainless Steel Liner, Add	134.01	
		For 2" Wall Instead Of 1", Add	552.38	
		For 3" To 4" Wall Instead Of 1", Add	836.75	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,097.56	68.31
		For Aluminum Liner, Add	105.98	
		For 304 Stainless Steel Liner, Add	144.52	
		For 2" Wall Instead Of 1", Add	595.13	
		For 3" To 4" Wall Instead Of 1", Add	901.23	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,174.74	71.16
		For Aluminum Liner, Add	109.83	
		For 304 Stainless Steel Liner, Add	149.77	
		For 2" Wall Instead Of 1", Add	616.87	
		For 3" To 4" Wall Instead Of 1", Add	934.19	
23 51 16 00-0071		Tees (23 51 16 00-0001)		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	70.96	16.86
		For Aluminum Liner, Add	1.58	
		For 304 Stainless Steel Liner, Add	2.15	
		For 2" Wall Instead Of 1", Add	12.84	
		For 3" To 4" Wall Instead Of 1", Add	21.37	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	73.89	17.51
		For Aluminum Liner, Add	1.66	
		For 304 Stainless Steel Liner, Add	2.26	
		For 2" Wall Instead Of 1", Add	13.42	
		For 3" To 4" Wall Instead Of 1", Add	22.31	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	77.07	18.22
		For Aluminum Liner, Add	1.73	
		For 304 Stainless Steel Liner, Add	2.36	
		For 2" Wall Instead Of 1", Add	14.01	
		For 3" To 4" Wall Instead Of 1", Add	23.30	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	82.50	19.00
		For Aluminum Liner, Add	1.93	
		For 304 Stainless Steel Liner, Add	2.63	
		For 2" Wall Instead Of 1", Add	15.26	
		For 3" To 4" Wall Instead Of 1", Add	25.26	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	97.88	19.78
		For Aluminum Liner, Add	2.66	
		For 304 Stainless Steel Liner, Add	3.63	
		For 2" Wall Instead Of 1", Add	19.46	
		For 3" To 4" Wall Instead Of 1", Add	31.66	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	104.98	20.70
		For Aluminum Liner, Add	2.93	
		For 304 Stainless Steel Liner, Add	3.99	
		For 2" Wall Instead Of 1", Add	21.15	
		For 3" To 4" Wall Instead Of 1", Add	34.31	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	198.56	21.71
		For Aluminum Liner, Add	7.94	
		For 304 Stainless Steel Liner, Add	10.83	
		For 2" Wall Instead Of 1", Add	48.72	
		For 3" To 4" Wall Instead Of 1", Add	75.80	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	230.68	22.77
		For Aluminum Liner, Add	9.56	
		For 304 Stainless Steel Liner, Add	13.03	
		For 2" Wall Instead Of 1", Add	57.82	
		For 3" To 4" Wall Instead Of 1", Add	89.58	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	346.32	25.34
		For Aluminum Liner, Add	15.57	
		For 304 Stainless Steel Liner, Add	21.23	
		For 2" Wall Instead Of 1", Add	91.25	
		For 3" To 4" Wall Instead Of 1", Add	140.03	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	471.92	28.46
		For Aluminum Liner, Add	22.04	
		For 304 Stainless Steel Liner, Add	30.06	
		For 2" Wall Instead Of 1", Add	127.35	
		For 3" To 4" Wall Instead Of 1", Add	194.58	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	585.81	32.52
		For Aluminum Liner, Add	27.75	
		For 304 Stainless Steel Liner, Add	37.84	
		For 2" Wall Instead Of 1", Add	159.48	
		For 3" To 4" Wall Instead Of 1", Add	243.29	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	780.06	40.20
		For Aluminum Liner, Add	37.38	
		For 304 Stainless Steel Liner, Add	50.98	
		For 2" Wall Instead Of 1", Add	213.94	
		For 3" To 4" Wall Instead Of 1", Add	325.93	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	979.12	52.51
		For Aluminum Liner, Add	46.63	
		For 304 Stainless Steel Liner, Add	63.59	
		For 2" Wall Instead Of 1", Add	267.48	
		For 3" To 4" Wall Instead Of 1", Add	407.78	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,126.74	55.51
		For Aluminum Liner, Add	54.34	
		For 304 Stainless Steel Liner, Add	74.10	
		For 2" Wall Instead Of 1", Add	310.27	
		For 3" To 4" Wall Instead Of 1", Add	472.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0086	EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,550.88	59.78
	For Aluminum Liner, Add	77.08	
	For 304 Stainless Steel Liner, Add	105.10	
	For 2" Wall Instead Of 1", Add	435.36	
	For 3" To 4" Wall Instead Of 1", Add	660.52	
23 51 16 00-0087	EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,731.78	62.12
	For Aluminum Liner, Add	86.71	
	For 304 Stainless Steel Liner, Add	118.24	
	For 2" Wall Instead Of 1", Add	488.49	
	For 3" To 4" Wall Instead Of 1", Add	740.49	
23 51 16 00-0088	EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,880.35	65.47
	For Aluminum Liner, Add	94.42	
	For 304 Stainless Steel Liner, Add	128.75	
	For 2" Wall Instead Of 1", Add	531.37	
	For 3" To 4" Wall Instead Of 1", Add	805.24	
23 51 16 00-0089	EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,167.69	68.31
	For Aluminum Liner, Add	109.83	
	For 304 Stainless Steel Liner, Add	149.77	
	For 2" Wall Instead Of 1", Add	616.16	
	For 3" To 4" Wall Instead Of 1", Add	932.78	
23 51 16 00-0090	EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,209.90	71.16
	For Aluminum Liner, Add	111.76	
	For 304 Stainless Steel Liner, Add	152.40	
	For 2" Wall Instead Of 1", Add	627.39	
	For 3" To 4" Wall Instead Of 1", Add	949.98	
23 51 16 00-0091	EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,572.20	75.93
	For Aluminum Liner, Add	131.03	
	For 304 Stainless Steel Liner, Add	178.68	
	For 2" Wall Instead Of 1", Add	733.69	
	For 3" To 4" Wall Instead Of 1", Add	1,110.03	
23 51 16 00-0092	EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,630.95	85.39
	For Aluminum Liner, Add	132.96	
	For 304 Stainless Steel Liner, Add	181.30	
	For 2" Wall Instead Of 1", Add	746.57	
	For 3" To 4" Wall Instead Of 1", Add	1,130.54	
23 51 16 00-0093	EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,871.62	97.63
	For Aluminum Liner, Add	144.52	
	For 304 Stainless Steel Liner, Add	197.07	
	For 2" Wall Instead Of 1", Add	812.68	
	For 3" To 4" Wall Instead Of 1", Add	1,231.22	
23 51 16 00-0094	EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,157.47	113.86
	For Aluminum Liner, Add	158.01	
	For 304 Stainless Steel Liner, Add	215.46	
	For 2" Wall Instead Of 1", Add	890.31	
	For 3" To 4" Wall Instead Of 1", Add	1,349.70	
23 51 16 00-0095	EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,438.03	128.09
	For Aluminum Liner, Add	171.49	
	For 304 Stainless Steel Liner, Add	233.86	
	For 2" Wall Instead Of 1", Add	967.42	
	For 3" To 4" Wall Instead Of 1", Add	1,467.12	
23 51 16 00-0096	EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,764.06	132.36
	For Aluminum Liner, Add	188.84	
	For 304 Stainless Steel Liner, Add	257.50	
	For 2" Wall Instead Of 1", Add	1,063.08	
	For 3" To 4" Wall Instead Of 1", Add	1,611.16	
23 51 16 00-0097	EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,985.05	136.63
	For Aluminum Liner, Add	200.40	
	For 304 Stainless Steel Liner, Add	273.27	
	For 2" Wall Instead Of 1", Add	1,127.22	
	For 3" To 4" Wall Instead Of 1", Add	1,707.91	
23 51 16 00-0098	Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	35.61	9.89
	For Aluminum Liner, Add	0.60	
	For 304 Stainless Steel Liner, Add	0.81	
	For 2" Wall Instead Of 1", Add	5.73	
	For 3" To 4" Wall Instead Of 1", Add	9.84	
23 51 16 00-0100	EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	37.32	10.39
	For Aluminum Liner, Add	0.63	
	For 304 Stainless Steel Liner, Add	0.86	
	For 2" Wall Instead Of 1", Add	6.02	
	For 3" To 4" Wall Instead Of 1", Add	10.32	
23 51 16 00-0101	EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	48.29	11.39
	For Aluminum Liner, Add	1.09	
	For 304 Stainless Steel Liner, Add	1.49	
	For 2" Wall Instead Of 1", Add	8.80	
	For 3" To 4" Wall Instead Of 1", Add	14.62	
23 51 16 00-0102	EA 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	51.43	12.66
	For Aluminum Liner, Add	1.09	
	For 304 Stainless Steel Liner, Add	1.49	
	For 2" Wall Instead Of 1", Add	9.11	
	For 3" To 4" Wall Instead Of 1", Add	15.24	
23 51 16 00-0103	EA 10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	62.67	13.38
	For Aluminum Liner, Add	1.61	
	For 304 Stainless Steel Liner, Add	2.19	
	For 2" Wall Instead Of 1", Add	12.11	
	For 3" To 4" Wall Instead Of 1", Add	19.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	74.12	14.23
			For Aluminum Liner, Add	2.12	
			For 304 Stainless Steel Liner, Add	2.89	
			For 2" Wall Instead Of 1", Add	15.12	
			For 3" To 4" Wall Instead Of 1", Add	24.46	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	175.87	16.22
			For Aluminum Liner, Add	7.44	
			For 304 Stainless Steel Liner, Add	10.14	
			For 2" Wall Instead Of 1", Add	44.63	
			For 3" To 4" Wall Instead Of 1", Add	68.98	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	328.28	20.35
			For Aluminum Liner, Add	15.26	
			For 304 Stainless Steel Liner, Add	20.81	
			For 2" Wall Instead Of 1", Add	88.32	
			For 3" To 4" Wall Instead Of 1", Add	135.02	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	607.53	24.41
			For Aluminum Liner, Add	30.06	
			For 304 Stainless Steel Liner, Add	40.99	
			For 2" Wall Instead Of 1", Add	170.06	
			For 3" To 4" Wall Instead Of 1", Add	258.14	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,010.31	34.16
			For Aluminum Liner, Add	50.87	
			For 304 Stainless Steel Liner, Add	69.37	
			For 2" Wall Instead Of 1", Add	286.01	
			For 3" To 4" Wall Instead Of 1", Add	433.29	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,491.22	35.94
			For Aluminum Liner, Add	77.08	
			For 304 Stainless Steel Liner, Add	105.10	
			For 2" Wall Instead Of 1", Add	429.40	
			For 3" To 4" Wall Instead Of 1", Add	648.59	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,671.43	37.93
			For Aluminum Liner, Add	86.71	
			For 304 Stainless Steel Liner, Add	118.24	
			For 2" Wall Instead Of 1", Add	482.45	
			For 3" To 4" Wall Instead Of 1", Add	728.42	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,887.27	40.20
			For Aluminum Liner, Add	98.27	
			For 304 Stainless Steel Liner, Add	134.01	
			For 2" Wall Instead Of 1", Add	546.08	
			For 3" To 4" Wall Instead Of 1", Add	824.14	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,998.65	42.69
			For Aluminum Liner, Add	104.05	
			For 304 Stainless Steel Liner, Add	141.89	
			For 2" Wall Instead Of 1", Add	578.24	
			For 3" To 4" Wall Instead Of 1", Add	872.70	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,110.86	45.54
			For Aluminum Liner, Add	109.83	
			For 304 Stainless Steel Liner, Add	149.77	
			For 2" Wall Instead Of 1", Add	610.48	
			For 3" To 4" Wall Instead Of 1", Add	921.41	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,259.04	48.81
			For Aluminum Liner, Add	117.54	
			For 304 Stainless Steel Liner, Add	160.28	
			For 2" Wall Instead Of 1", Add	653.32	
			For 3" To 4" Wall Instead Of 1", Add	986.08	
23 51 16 00-0115			Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	14.54	5.34
			For Aluminum Liner, Add	0.07	
			For 304 Stainless Steel Liner, Add	0.09	
			For 2" Wall Instead Of 1", Add	1.70	
			For 3" To 4" Wall Instead Of 1", Add	3.22	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	18.42	6.83
			For Aluminum Liner, Add	0.07	
			For 304 Stainless Steel Liner, Add	0.10	
			For 2" Wall Instead Of 1", Add	2.10	
			For 3" To 4" Wall Instead Of 1", Add	4.00	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	24.53	9.18
			For Aluminum Liner, Add	0.09	
			For 304 Stainless Steel Liner, Add	0.12	
			For 2" Wall Instead Of 1", Add	2.77	
			For 3" To 4" Wall Instead Of 1", Add	5.30	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	30.69	11.39
			For Aluminum Liner, Add	0.12	
			For 304 Stainless Steel Liner, Add	0.17	
			For 2" Wall Instead Of 1", Add	3.52	
			For 3" To 4" Wall Instead Of 1", Add	6.70	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	44.16	15.37
			For Aluminum Liner, Add	0.32	
			For 304 Stainless Steel Liner, Add	0.43	
			For 2" Wall Instead Of 1", Add	5.56	
			For 3" To 4" Wall Instead Of 1", Add	10.27	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	55.81	19.08
			For Aluminum Liner, Add	0.45	
			For 304 Stainless Steel Liner, Add	0.61	
			For 2" Wall Instead Of 1", Add	7.21	
			For 3" To 4" Wall Instead Of 1", Add	13.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	70.71	22.77
		For Aluminum Liner, Add	0.76	
		For 304 Stainless Steel Liner, Add	1.03	
		For 2" Wall Instead Of 1", Add	9.83	
		For 3" To 4" Wall Instead Of 1", Add	17.59	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	92.26	27.05
		For Aluminum Liner, Add	1.36	
		For 304 Stainless Steel Liner, Add	1.85	
		For 2" Wall Instead Of 1", Add	14.16	
		For 3" To 4" Wall Instead Of 1", Add	24.62	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	124.29	29.89
		For Aluminum Liner, Add	2.73	
		For 304 Stainless Steel Liner, Add	3.72	
		For 2" Wall Instead Of 1", Add	22.35	
		For 3" To 4" Wall Instead Of 1", Add	37.25	
23 51 16 00-0125		Adjustable Roof Flashing (23 51 16 00-0001)		
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	39.66	12.66
		For Aluminum Liner, Add	0.44	
		For 304 Stainless Steel Liner, Add	0.60	
		For 2" Wall Instead Of 1", Add	5.58	
		For 3" To 4" Wall Instead Of 1", Add	9.95	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	43.88	13.38
		For Aluminum Liner, Add	0.57	
		For 304 Stainless Steel Liner, Add	0.78	
		For 2" Wall Instead Of 1", Add	6.46	
		For 3" To 4" Wall Instead Of 1", Add	11.37	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	55.31	15.16
		For Aluminum Liner, Add	0.96	
		For 304 Stainless Steel Liner, Add	1.30	
		For 2" Wall Instead Of 1", Add	9.01	
		For 3" To 4" Wall Instead Of 1", Add	15.41	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	67.51	17.51
		For Aluminum Liner, Add	1.31	
		For 304 Stainless Steel Liner, Add	1.78	
		For 2" Wall Instead Of 1", Add	11.50	
		For 3" To 4" Wall Instead Of 1", Add	19.44	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	112.63	19.00
		For Aluminum Liner, Add	3.58	
		For 304 Stainless Steel Liner, Add	4.89	
		For 2" Wall Instead Of 1", Add	24.30	
		For 3" To 4" Wall Instead Of 1", Add	38.82	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	134.41	20.70
		For Aluminum Liner, Add	4.55	
		For 304 Stainless Steel Liner, Add	6.20	
		For 2" Wall Instead Of 1", Add	29.98	
		For 3" To 4" Wall Instead Of 1", Add	47.55	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	158.53	22.77
		For Aluminum Liner, Add	5.59	
		For 304 Stainless Steel Liner, Add	7.62	
		For 2" Wall Instead Of 1", Add	36.17	
		For 3" To 4" Wall Instead Of 1", Add	57.11	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	189.46	25.34
		For Aluminum Liner, Add	6.94	
		For 304 Stainless Steel Liner, Add	9.46	
		For 2" Wall Instead Of 1", Add	44.17	
		For 3" To 4" Wall Instead Of 1", Add	69.42	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	288.40	28.46
		For Aluminum Liner, Add	11.95	
		For 304 Stainless Steel Liner, Add	16.29	
		For 2" Wall Instead Of 1", Add	72.28	
		For 3" To 4" Wall Instead Of 1", Add	111.98	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	316.30	37.93
		For Aluminum Liner, Add	12.18	
		For 304 Stainless Steel Liner, Add	16.61	
		For 2" Wall Instead Of 1", Add	75.91	
		For 3" To 4" Wall Instead Of 1", Add	118.62	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	402.30	48.81
		For Aluminum Liner, Add	15.42	
		For 304 Stainless Steel Liner, Add	21.02	
		For 2" Wall Instead Of 1", Add	96.29	
		For 3" To 4" Wall Instead Of 1", Add	150.53	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	478.65	56.93
		For Aluminum Liner, Add	18.50	
		For 304 Stainless Steel Liner, Add	25.22	
		For 2" Wall Instead Of 1", Add	115.13	
		For 3" To 4" Wall Instead Of 1", Add	179.81	
23 51 16 00-0138		Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	15.63	5.34
		For Aluminum Liner, Add	0.13	
		For 304 Stainless Steel Liner, Add	0.17	
		For 2" Wall Instead Of 1", Add	2.03	
		For 3" To 4" Wall Instead Of 1", Add	3.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall.....	19.75	6.83
			For Aluminum Liner, Add	0.15	
			For 304 Stainless Steel Liner, Add	0.20	
			For 2" Wall Instead Of 1", Add	2.51	
			For 3" To 4" Wall Instead Of 1", Add	4.62	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall.....	23.25	7.97
			For Aluminum Liner, Add	0.18	
			For 304 Stainless Steel Liner, Add	0.25	
			For 2" Wall Instead Of 1", Add	2.99	
			For 3" To 4" Wall Instead Of 1", Add	5.48	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall.....	26.77	9.11
			For Aluminum Liner, Add	0.22	
			For 304 Stainless Steel Liner, Add	0.30	
			For 2" Wall Instead Of 1", Add	3.48	
			For 3" To 4" Wall Instead Of 1", Add	6.35	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall.....	33.78	11.39
			For Aluminum Liner, Add	0.29	
			For 304 Stainless Steel Liner, Add	0.40	
			For 2" Wall Instead Of 1", Add	4.44	
			For 3" To 4" Wall Instead Of 1", Add	8.08	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall.....	46.75	15.37
			For Aluminum Liner, Add	0.46	
			For 304 Stainless Steel Liner, Add	0.62	
			For 2" Wall Instead Of 1", Add	6.34	
			For 3" To 4" Wall Instead Of 1", Add	11.43	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall.....	57.67	19.08
			For Aluminum Liner, Add	0.55	
			For 304 Stainless Steel Liner, Add	0.75	
			For 2" Wall Instead Of 1", Add	7.77	
			For 3" To 4" Wall Instead Of 1", Add	14.03	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall.....	73.88	22.77
			For Aluminum Liner, Add	0.93	
			For 304 Stainless Steel Liner, Add	1.27	
			For 2" Wall Instead Of 1", Add	10.78	
			For 3" To 4" Wall Instead Of 1", Add	19.02	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall.....	98.30	27.05
			For Aluminum Liner, Add	1.69	
			For 304 Stainless Steel Liner, Add	2.30	
			For 2" Wall Instead Of 1", Add	15.97	
			For 3" To 4" Wall Instead Of 1", Add	27.34	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall.....	139.39	29.89
			For Aluminum Liner, Add	3.56	
			For 304 Stainless Steel Liner, Add	4.85	
			For 2" Wall Instead Of 1", Add	26.88	
			For 3" To 4" Wall Instead Of 1", Add	44.05	
23 51 16 00-0149			Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150			Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	26.77	6.69
			For 2" Wall Instead Of 1", Add	4.69	
			For 3" To 4" Wall Instead Of 1", Add	7.87	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	29.59	7.12
			For 2" Wall Instead Of 1", Add	5.35	
			For 3" To 4" Wall Instead Of 1", Add	8.90	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	32.83	7.62
			For 2" Wall Instead Of 1", Add	6.05	
			For 3" To 4" Wall Instead Of 1", Add	10.03	
23 51 16 00-0154			45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	58.78	13.88
			For 2" Wall Instead Of 1", Add	10.69	
			For 3" To 4" Wall Instead Of 1", Add	17.77	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	68.59	16.22
			For 2" Wall Instead Of 1", Add	12.47	
			For 3" To 4" Wall Instead Of 1", Add	20.73	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	81.85	18.36
			For 2" Wall Instead Of 1", Add	15.37	
			For 3" To 4" Wall Instead Of 1", Add	25.36	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	59.99	13.88
			For 2" Wall Instead Of 1", Add	11.06	
			For 3" To 4" Wall Instead Of 1", Add	18.32	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	71.51	16.22
			For 2" Wall Instead Of 1", Add	13.34	
			For 3" To 4" Wall Instead Of 1", Add	22.04	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	83.74	18.36
			For 2" Wall Instead Of 1", Add	15.94	
			For 3" To 4" Wall Instead Of 1", Add	26.21	
23 51 16 00-0161			Tees (23 51 16 00-0149)		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	98.63	21.07
			For 2" Wall Instead Of 1", Add	19.05	
			For 3" To 4" Wall Instead Of 1", Add	31.20	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	100.52	21.07
			For 2" Wall Instead Of 1", Add	19.61	
			For 3" To 4" Wall Instead Of 1", Add	32.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0164	EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	115.51 22.56 36.86	24.19
23 51 16 00-0165	EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	132.26 26.12 42.57	27.12
23 51 16 00-0166	Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	37.95 7.96 12.79	6.83
23 51 16 00-0168	EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	59.50 13.26 21.04	9.18
23 51 16 00-0169	EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	30.55 5.74 9.46	6.83
23 51 16 00-0170	EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	52.54 11.17 17.90	9.18
23 51 16 00-0171	Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA 4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	19.75 2.51 4.62	6.83
23 51 16 00-0173	EA 5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	23.25 2.99 5.48	7.97
23 51 16 00-0174	EA 6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	26.77 3.48 6.35	9.11
23 51 16 00-0175	Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176	Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	84.21 10.43 6.52 13.04	7.62
23 51 16 00-0178	LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.53 12.74 7.96 15.92	8.75
23 51 16 00-0179	LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	112.88 14.27 8.92 17.84	9.47
23 51 16 00-0180	LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	127.53 16.27 10.17 20.33	10.32
23 51 16 00-0181	LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	144.12 18.72 11.70 23.40	10.81
23 51 16 00-0182	LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	152.22 19.79 12.37 24.74	11.39
23 51 16 00-0183	LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	169.06 22.25 13.91 27.81	12.03
23 51 16 00-0184	LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	206.67 25.47 15.92 31.84	19.00
23 51 16 00-0185	LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	258.61 32.84 20.52 41.05	21.35
23 51 16 00-0186	LF 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	292.82 37.75 23.59 47.18	22.77

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	327.88	25.27	
		<i>For 316 Stainless Steel, Add</i>	42.35		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.47		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.94		
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	365.52	27.33	
		<i>For 316 Stainless Steel, Add</i>	47.57		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.73		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.46		
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	417.30	31.10	
		<i>For 316 Stainless Steel, Add</i>	54.32		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	33.95		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90		
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.98	36.01	
		<i>For 316 Stainless Steel, Add</i>	63.83		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.90		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	79.79		
23 51 16 00-0191		90 Degree Elbows <small>(23 51 16 00-0175)</small>			
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	409.47	15.73	
		<i>For 316 Stainless Steel, Add</i>	74.04		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.02		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	74.04		
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	452.29	17.51	
		<i>For 316 Stainless Steel, Add</i>	81.71		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.85		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	81.71		
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	515.49	19.00	
		<i>For 316 Stainless Steel, Add</i>	93.60		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.80		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	93.60		
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	583.03	20.70	
		<i>For 316 Stainless Steel, Add</i>	106.26		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	53.13		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	106.26		
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	677.59	21.71	
		<i>For 316 Stainless Steel, Add</i>	124.67		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	62.34		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	124.67		
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.40	22.77	
		<i>For 316 Stainless Steel, Add</i>	138.10		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	69.05		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.10		
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	865.48	23.98	
		<i>For 316 Stainless Steel, Add</i>	161.11		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.56		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	161.11		
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	996.35	37.93	
		<i>For 316 Stainless Steel, Add</i>	180.29		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	90.15		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	180.29		
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,228.78	42.69	
		<i>For 316 Stainless Steel, Add</i>	224.41		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	112.20		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	224.41		
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,494.83	45.54	
		<i>For 316 Stainless Steel, Add</i>	276.19		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	138.10		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.19		
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,982.43	48.74	
		<i>For 316 Stainless Steel, Add</i>	372.10		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	186.05		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	372.10		
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,252.14	56.93	
		<i>For 316 Stainless Steel, Add</i>	421.96		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	210.98		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	421.96		
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,319.95	62.12	
		<i>For 316 Stainless Steel, Add</i>	632.95		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	316.47		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	632.95		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,150.67	68.31
			<i>For 316 Stainless Steel, Add</i>	795.98	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	397.99	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	795.98	
23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	270.01	15.16
			<i>For 316 Stainless Steel, Add</i>	46.42	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.21	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	46.42	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	308.44	17.51
			<i>For 316 Stainless Steel, Add</i>	52.94	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.47	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.94	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	342.84	19.00
			<i>For 316 Stainless Steel, Add</i>	59.07	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.07	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	391.23	20.70
			<i>For 316 Stainless Steel, Add</i>	67.90	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	33.95	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	441.67	21.71
			<i>For 316 Stainless Steel, Add</i>	77.49	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.49	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	496.14	22.77
			<i>For 316 Stainless Steel, Add</i>	87.85	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.92	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.85	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	556.68	23.98
			<i>For 316 Stainless Steel, Add</i>	99.35	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.68	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	99.35	
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	662.62	37.93
			<i>For 316 Stainless Steel, Add</i>	113.55	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.77	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.55	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	835.60	42.69
			<i>For 316 Stainless Steel, Add</i>	145.77	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	72.89	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	145.77	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	938.61	45.54
			<i>For 316 Stainless Steel, Add</i>	164.95	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	82.48	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	164.95	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,224.81	48.74
			<i>For 316 Stainless Steel, Add</i>	220.57	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	110.29	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	220.57	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,628.78	56.93
			<i>For 316 Stainless Steel, Add</i>	297.29	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	148.65	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	297.29	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,169.14	62.12
			<i>For 316 Stainless Steel, Add</i>	402.78	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	201.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	402.78	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,903.98	68.31
			<i>For 316 Stainless Steel, Add</i>	546.64	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	273.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	546.64	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	291.08	19.00
			<i>For 316 Stainless Steel, Add</i>	53.59	
			<i>For Tee Cap, Add</i>	65.34	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.36	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.72	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	331.77	20.70
		For 316 Stainless Steel, Add	61.61	
		For Tee Cap, Add	74.12	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	28.00	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	56.01	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	382.19	21.71
		For 316 Stainless Steel, Add	72.16	
		For Tee Cap, Add	84.57	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	32.80	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	65.60	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	440.51	22.77
		For 316 Stainless Steel, Add	84.39	
		For Tee Cap, Add	96.64	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	38.36	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	76.72	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	515.90	25.34
		For 316 Stainless Steel, Add	99.58	
		For Tee Cap, Add	112.67	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	45.27	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	90.53	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	579.38	28.46
		For 316 Stainless Steel, Add	111.82	
		For Tee Cap, Add	126.54	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	50.83	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	101.65	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	675.85	32.52
		For 316 Stainless Steel, Add	130.81	
		For Tee Cap, Add	147.36	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	59.46	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	118.92	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	771.76	40.20
		For 316 Stainless Steel, Add	147.69	
		For Tee Cap, Add	169.42	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	67.13	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	134.26	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	976.66	56.93
		For 316 Stainless Steel, Add	183.55	
		For Tee Cap, Add	216.68	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	83.43	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	166.87	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,190.95	62.12
		For 316 Stainless Steel, Add	227.86	
		For Tee Cap, Add	261.47	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	103.57	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	207.15	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,590.11	68.31
		For 316 Stainless Steel, Add	312.25	
		For Tee Cap, Add	343.64	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	141.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	283.87	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,772.23	75.93
		For 316 Stainless Steel, Add	348.12	
		For Tee Cap, Add	382.93	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	158.24	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	316.47	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,826.02	113.86
		For 316 Stainless Steel, Add	559.10	
		For Tee Cap, Add	607.90	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	254.14	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	508.27	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,554.28	136.63
		For 316 Stainless Steel, Add	706.79	
		For Tee Cap, Add	762.10	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	321.27	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	642.54	
23 51 16 00-0236		Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	563.47	15.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	52.55	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	105.11	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	613.40	17.51
		For 2" Insulated Wall Instead Of 1" Thickness, Add	56.97	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	113.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	670.85	19.00
		For 2" Insulated Wall Instead Of 1" Thickness, Add	62.34	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	124.67	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	742.23	20.70
		For 2" Insulated Wall Instead Of 1" Thickness, Add	69.05	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	138.10	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	831.03	21.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	77.68	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	155.36	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	920.02	22.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	86.31	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	172.62	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,028.51	23.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	96.86	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	193.72	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,188.14	37.93
		For 2" Insulated Wall Instead Of 1" Thickness, Add	109.33	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	218.65	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,468.55	42.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	136.18	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	272.36	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,648.29	45.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	153.44	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	306.88	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,886.60	48.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	176.46	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	352.92	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,156.26	56.93
		For 2" Insulated Wall Instead Of 1" Thickness, Add	201.39	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	402.78	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,744.55	62.12
		For 2" Insulated Wall Instead Of 1" Thickness, Add	258.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	517.86	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,335.53	68.31
		For 2" Insulated Wall Instead Of 1" Thickness, Add	316.47	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	632.95	
23 51 16 00-0251		Ventilated Roof Thimbles (23 51 16 00-0175)		
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	369.84	17.51
		For 316 Stainless Steel, Add	32.61	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	400.82	20.70
		For 316 Stainless Steel, Add	34.91	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	438.60	22.77
		For 316 Stainless Steel, Add	38.17	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	473.75	25.34
		For 316 Stainless Steel, Add	41.05	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	605.95	26.82
		For 316 Stainless Steel, Add	53.90	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	539.14	28.46
		For 316 Stainless Steel, Add	46.80	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	580.38	30.38
		For 316 Stainless Steel, Add	50.44	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	647.64	42.69
		For 316 Stainless Steel, Add	54.09	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	726.04	48.74
		For 316 Stainless Steel, Add	60.42	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	831.37	52.51
		For 316 Stainless Steel, Add	70.01	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	928.62	56.86
		For 316 Stainless Steel, Add	78.64	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,033.79	68.24
		For 316 Stainless Steel, Add	86.31	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,330.90	75.86
		For 316 Stainless Steel, Add	114.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i>	1,651.85 143.85	85.32
23 51 16 00-0266 Exit Cones (23 51 16 00-0175)					
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 256.86	256.86	9.89
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 270.71	270.71	10.81
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 291.23	291.23	11.39
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 304.24	304.24	11.96
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 335.72	335.72	12.31
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 367.22	367.22	12.59
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 446.80	446.80	13.03
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 553.93	553.93	24.41
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 698.62	698.62	26.26
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 835.53	835.53	27.33
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,030.18	1,030.18	28.46
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,170.93	1,170.93	31.10
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,481.50	1,481.50	32.52
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,897.93	1,897.93	34.16
23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)					
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 281.73	281.73	9.89
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 326.33	326.33	10.81
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 379.44	379.44	11.39
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 436.56	436.56	11.96
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 510.23	510.23	12.31
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 580.16	580.16	12.66
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 646.30	646.30	13.03
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 770.61	770.61	24.41
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 919.19	919.19	26.26
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 998.52	998.52	27.33
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,135.62	1,135.62	28.46
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,324.29	1,324.29	31.03
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,615.71	1,615.71	32.52
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 1,878.70	1,878.70	34.16
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)					
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 423.33 <i>For 316 Stainless Steel, Add</i> 75.57	423.33 75.57	18.22
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 466.60 <i>For 316 Stainless Steel, Add</i> 82.47	466.60 82.47	21.71
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 512.53 <i>For 316 Stainless Steel, Add</i> 90.53	512.53 90.53	23.98
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 546.43 <i>For 316 Stainless Steel, Add</i> 95.90	546.43 95.90	26.75
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 610.11 <i>For 316 Stainless Steel, Add</i> 107.79	610.11 107.79	28.46
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket 647.49 <i>For 316 Stainless Steel, Add</i> 114.31	647.49 114.31	30.38

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0303	EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	695.17	32.59
	<i>For 316 Stainless Steel, Add</i>	122.75	
23 51 16 00-0304	EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	765.99	45.54
	<i>For 316 Stainless Steel, Add</i>	130.43	
23 51 16 00-0305	EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	860.24	52.58
	<i>For 316 Stainless Steel, Add</i>	145.77	
23 51 16 00-0306	EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	995.84	56.93
	<i>For 316 Stainless Steel, Add</i>	170.70	
23 51 16 00-0307	EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,190.96	62.12
	<i>For 316 Stainless Steel, Add</i>	207.15	
23 51 16 00-0308	EA 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,379.03	75.93
	<i>For 316 Stainless Steel, Add</i>	237.83	
23 51 16 00-0309	EA 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,073.94	85.39
	<i>For 316 Stainless Steel, Add</i>	372.10	
23 51 16 00-0310	EA 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,544.32	97.07
	<i>For 316 Stainless Steel, Add</i>	460.32	
23 51 16 00-0311	Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: With 1" insulation.		
23 51 16 00-0312	Round Stainless Steel Double Wall Flue/Vent Pipe <small>(23 51 16 00-0311)</small> Note: With 1" insulation.		
23 51 16 00-0313	LF 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	72.70	7.62
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	5.37	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	10.74	
23 51 16 00-0314	LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	89.39	8.11
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.91	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.81	
23 51 16 00-0315	LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	102.49	8.75
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.06	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.11	
23 51 16 00-0316	LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	140.66	9.47
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.70	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.40	
23 51 16 00-0317	LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	183.18	10.39
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.73	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	31.46	
23 51 16 00-0318	LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	234.33	10.88
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.72	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.43	
23 51 16 00-0319	90 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	157.84	15.16
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.99	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.98	
23 51 16 00-0321	EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	174.89	16.22
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.43	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	26.85	
23 51 16 00-0322	EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	197.22	17.51
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.34	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	30.69	
23 51 16 00-0323	EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	246.94	19.00
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	19.95	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	39.89	
23 51 16 00-0324	EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	295.33	20.70
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.36	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	48.72	
23 51 16 00-0325	EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	345.73	21.71
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.15	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	58.31	
23 51 16 00-0326	45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	127.87	15.16
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.99	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	17.98	
23 51 16 00-0328	EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	141.33	16.22
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.07	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.14	
23 51 16 00-0329	EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	158.87	17.51
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.51	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.02	
23 51 16 00-0330	EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	197.08	19.00
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.96	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	29.92	
23 51 16 00-0331	EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	234.42	20.70
	<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.27	
	<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	36.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	272.87 21.87 43.73	21.71
23 51 16 00-0333			Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.25 22.63 45.27	15.16
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	336.00 29.54 59.07	16.22
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	377.50 33.37 66.75	17.51
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	517.33 46.99 93.98	19.00
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	713.43 66.17 132.34	20.70
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	917.28 86.31 172.62	21.71
23 51 16 00-0340			Joist Shields (23 51 16 00-0311)		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	106.98	15.16
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	115.43	16.22
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	135.82	17.51
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	171.20	19.00
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	206.13	20.70
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	245.99	21.71
23 51 16 00-0347			Adjustable Roof Flashing (23 51 16 00-0311)		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	129.04	15.16
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	144.20	16.22
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	156.91	17.51
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	192.29	19.00
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	238.79	20.70
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	288.17	21.63
23 51 16 00-0354			Vent Top Caps (23 51 16 00-0311)		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	114.65	15.16
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	145.16	16.22
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	183.78	17.51
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	298.76	19.00
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	410.44	20.70
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	526.03	21.71
23 51 16 00-0361			Roof Support Assemblies (23 51 16 00-0311)		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	175.02	15.16
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	195.03	16.22
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	211.58	17.51
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	268.01	19.00
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	318.34	20.70
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	391.78	21.71
23 51 16 00-0368			Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369			Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination	159.81	28.95
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination	174.38	28.95
23 51 16 00-0372			Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373			Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	27.78	8.80
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	31.99	9.26
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	36.83	10.30
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	46.11	12.11
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	33.66	10.09
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	41.48	11.82
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	51.56	10.60
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	64.15	13.89
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	57.45	13.35
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	68.78	14.05
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	86.54	15.62
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	113.14	18.37

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	85.27	19.70
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	98.48	20.73
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	130.18	23.04
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	170.77	27.12
23 51 16 00-0390		Polypropylene Flue/Vent Elbows <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	34.44	10.69
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	40.97	11.26
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	52.45	11.67
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	61.66	12.15
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	34.44	10.69
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	40.97	11.26
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	52.45	11.67
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	61.66	12.15
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	34.44	10.69
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	40.97	11.26
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	52.45	11.67
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	61.66	12.15
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	34.44	10.69
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	40.97	11.26
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	51.73	11.67
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	63.45	12.15
23 51 16 00-0407		Polypropylene Flue/Vent Tees <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	116.33	16.05
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	147.91	16.89
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	174.80	17.51
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	191.76	18.22
23 51 16 00-0412		Polypropylene Flue/Vent Adaptors <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....	41.50	10.69
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....	61.52	11.26
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....	72.35	11.67
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....	100.56	12.15
23 51 16 00-0417		Polypropylene Flue/Vent Increases <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	46.43	10.98
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	51.13	11.46
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	96.36	11.90
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	64.55	10.98
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	49.65	11.46
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	135.05	11.90
23 51 16 00-0424		Polypropylene Flue/Vent Reducers <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	46.43	10.98
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	51.13	11.46
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	120.48	11.90
23 51 16 00-0428		Polypropylene Flue/Vent Test Ports <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	57.82	16.05
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	65.42	16.89
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	104.34	17.51
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	111.64	18.22
23 51 16 00-0433		Polypropylene Flue/Vent Cascade Components <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	178.05	17.51
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	233.71	21.88
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	144.53	18.22
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	216.22	22.77
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	232.74	11.46
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	270.14	11.90
23 51 16 00-0440		Polypropylene Flue/Vent Condensate Management <small>(23 51 16 00-0372)</small>		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	82.28	16.05
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	100.70	16.89
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	116.26	17.51
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	133.53	18.22
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	149.34	17.51
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	165.19	18.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0447	EA		2" Polypropylene Flue/Vent Tee Cap.....	49.37	5.35
23 51 16 00-0448	EA		3" Polypropylene Flue/Vent Tee Cap.....	64.00	5.63
23 51 16 00-0449	EA		4" Polypropylene Flue/Vent Tee Cap.....	76.48	5.84
23 51 16 00-0450	EA		5" Polypropylene Flue/Vent Tee Cap.....	100.67	6.07
23 51 16 00-0451	EA		2" Polypropylene Flue/Vent Tee Cap With Drain.....	92.86	16.05
23 51 16 00-0452	EA		3" Polypropylene Flue/Vent Tee Cap With Drain.....	115.37	16.89
23 51 16 00-0453	EA		4" Polypropylene Flue/Vent Tee Cap With Drain.....	134.46	17.51
23 51 16 00-0454	EA		5" Polypropylene Flue/Vent Tee Cap With Drain.....	163.45	18.22
23 51 16 00-0455 Polypropylene Flue/Vent Terminations (23 51 16 00-0372)					
23 51 16 00-0456	EA		2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	125.79	10.69
23 51 16 00-0457	EA		3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	110.05	11.26
23 51 16 00-0458	EA		4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	138.94	11.67
23 51 16 00-0459	EA		3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	290.09	11.26
23 51 16 00-0460	EA		4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	309.93	11.67
23 51 16 00-0461	EA		5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	362.53	12.15
23 51 16 00-0462	EA		2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	72.09	10.69
23 51 16 00-0463	EA		2 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	76.63	10.69
23 51 16 00-0464	EA		2 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	81.16	10.69
23 51 16 00-0465	EA		2 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	85.70	10.69
23 51 16 00-0466	EA		3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	78.04	11.26
23 51 16 00-0467	EA		3 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	82.57	11.26
23 51 16 00-0468	EA		3 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	87.11	11.26
23 51 16 00-0469	EA		3 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	91.64	11.26
23 51 16 00-0470	EA		4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	88.14	11.67
23 51 16 00-0471	EA		4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	92.67	11.67
23 51 16 00-0472	EA		4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	97.21	11.67
23 51 16 00-0473	EA		2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	76.58	10.69
23 51 16 00-0474	EA		3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	99.35	11.26
23 51 16 00-0475	EA		2" Polypropylene-UV Black Flue/Vent Termination Tee.....	87.19	16.05
23 51 16 00-0476	EA		3" Polypropylene-UV Black Flue/Vent Termination Tee.....	116.97	16.89
23 51 16 00-0477	EA		4" Polypropylene-UV Black Flue/Vent Termination Tee.....	139.53	17.51
23 51 16 00-0478	EA		5" Polypropylene-UV Black Flue/Vent Termination Tee.....	154.27	18.22
23 51 16 00-0479	EA		2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	29.23	9.26
23 51 16 00-0480	EA		2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	35.38	10.30
23 51 16 00-0481	EA		3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	35.44	10.62
23 51 16 00-0482	EA		3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	45.03	11.80
23 51 16 00-0483	EA		4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	54.51	14.05
23 51 16 00-0484	EA		5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	74.54	20.73
23 51 16 00-0485	EA		5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	91.41	23.04
23 51 16 00-0486	EA		2" x 24" Polypropylene-UV Black Flue/Vent Length.....	32.86	9.26
23 51 16 00-0487	EA		3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	42.98	10.62
23 51 16 00-0488	EA		4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	72.15	14.05
23 51 16 00-0489	EA		2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	35.88	10.69
23 51 16 00-0490	EA		3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	42.78	11.26
23 51 16 00-0491	EA		4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	54.78	11.67
23 51 16 00-0492	EA		2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	35.20	10.69
23 51 16 00-0493	EA		3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	42.33	11.26
23 51 16 00-0494	EA		4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	53.98	11.67
23 51 16 00-0495	EA		2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	23.83	5.35
23 51 16 00-0496	EA		3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	28.09	5.63
23 51 16 00-0497	EA		4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	31.72	5.84
23 51 16 00-0498	EA		3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	65.25	5.63
23 51 16 00-0499	EA		5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	75.19	6.07
23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)					
23 51 16 00-0501	EA		2" Spacer For Polypropylene Flue/Vent.....	12.17	2.68
23 51 16 00-0502	EA		3" Spacer For Polypropylene Flue/Vent.....	11.45	2.82
23 51 16 00-0503	EA		4" Spacer For Polypropylene Flue/Vent.....	11.78	2.91
23 51 16 00-0504	EA		5" Spacer For Polypropylene Flue/Vent.....	19.46	3.03
23 51 16 00-0505	EA		2" Flue Clamp For Polypropylene Flue/Vent.....	23.54	4.02
23 51 16 00-0506	EA		3" Flue Clamp For Polypropylene Flue/Vent.....	27.94	4.22
23 51 16 00-0507	EA		4" Flue Clamp For Polypropylene Flue/Vent.....	32.70	4.38
23 51 16 00-0508	EA		2" Support Clamp For Polypropylene Flue/Vent.....	22.28	4.02
23 51 16 00-0509	EA		4" Support Clamp For Polypropylene Flue/Vent.....	22.02	4.38
23 51 16 00-0510	EA		5" Support Clamp For Polypropylene Flue/Vent.....	27.28	4.55
23 51 16 00-0511	EA		3" Plastic Support Clamp For Polypropylene Flue/Vent.....	16.36	4.22
23 51 16 00-0512	EA		2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	31.31	10.69
23 51 16 00-0513	EA		3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	34.82	11.26
23 51 16 00-0514	EA		4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	37.75	11.67
23 51 16 00-0515	EA		5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	42.65	12.15
23 51 16 00-0516	EA		2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.91	
23 51 16 00-0517	EA		3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.26	
23 51 16 00-0518	EA		4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.41	
23 51 16 00-0519	EA		5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	7.28	
23 51 16 00-0520	EA		2" Connector Ring For Polypropylene Flue/Vent.....	9.81	2.68
23 51 16 00-0521	EA		3" Connector Ring For Polypropylene Flue/Vent.....	11.23	2.82
23 51 16 00-0522	EA		4" Connector Ring For Polypropylene Flue/Vent.....	12.15	2.91
23 51 16 00-0523	EA		5" Connector Ring For Polypropylene Flue/Vent.....	13.55	3.03
23 51 16 00-0524	EA		2 1/4" Polypropylene Flue/Vent Air Intake, White.....	53.91	5.35
23 51 16 00-0525	EA		3 1/5" Polypropylene Flue/Vent Air Intake, White.....	55.19	5.63
23 51 16 00-0526	EA		4 1/6" Polypropylene Flue/Vent Air Intake, White.....	40.05	5.84
23 51 16 00-0527	EA		2" Base Support For Polypropylene Flue/Vent.....	47.23	4.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, and Stacks

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51	16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	48.67	4.22
23 51	16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	66.09	4.38
23 51	16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	113.66	4.55
23 51	16 00-0531		Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)		
23 51	16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	8.40	0.94
23 51	16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe.....	7.19	0.94
23 51	16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	10.34	1.11
23 51	16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe.....	8.83	1.11
23 51	16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	15.07	1.37
23 51	16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe.....	12.74	1.37
23 51	16 00-0538		Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51	16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	56.79	10.69
23 51	16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	64.36	10.69
23 51	16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	137.22	11.26
23 51	16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	255.93	11.67
23 51	16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	66.59	10.69
23 51	16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	164.88	11.26
23 51	16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	437.33	11.67
23 51	16 00-0546		Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51	16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	76.64	10.69
23 51	16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	70.00	11.26
23 51	16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	87.89	11.67
23 51	16 00-0550		Aluminum Flue/Vent Fittings (23 51 16)		
23 51	16 00-0551		Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51	16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	73.37	10.60
23 51	16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	78.14	10.39
23 51	16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	84.96	10.88
23 51	16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	120.99	11.39
23 51	16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	135.39	12.66
23 51	16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	401.24	13.38
23 51	16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	410.88	14.23
23 52	Heating Boilers (23 50)				
23 52 13	Electric Boilers (23 52)				
23 52 13 00-0001	Packaged Electric Steam Boiler (23 52 13)				
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.					
23 52	13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,282.92	442.67
23 52	13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,856.99	516.45
23 52	13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,472.92	553.34
23 52	13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	9,467.85	590.23
23 52	13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,437.71	627.12
23 52	13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,218.22	700.90
23 52	13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	13,998.80	774.68
23 52	13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,529.93	811.57
23 52	13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	15,218.71	848.46
23 52	13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	20,109.19	922.23
23 52	13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	20,974.88	959.12
23 52	13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	22,215.62	1,116.57
23 52	13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,142.84	1,199.27
23 52	13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	24,992.58	1,281.98
23 52	13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	26,930.11	1,406.04
23 52	13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	28,608.34	1,447.40
23 52	13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	30,028.43	1,488.75
23 52	13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,754.02	1,530.10
23 52	13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	33,480.03	1,571.45
23 52	13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	35,829.35	1,654.17
23 52	13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	38,236.57	1,736.87
23 52	13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	40,602.43	1,778.23
23 52	13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	45,175.62	1,819.59
23 52	13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	48,658.25	1,902.29
23 52	13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	49,832.91	1,985.00
23 52	13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	54,967.12	2,109.07
23 52	13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	56,695.23	2,233.12
23 52	13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	58,506.04	2,357.19
23 52	13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	62,284.34	2,481.25
23 52	13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	63,950.86	2,563.96
23 52	13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	66,145.33	2,729.37
23 52	13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	68,411.95	2,894.79
23 52	13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	74,902.08	3,060.21
23 52	13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	79,011.20	3,225.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 13 00-0036

Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA		9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,324.76	405.78
23 52 13 00-0038	EA		12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	6,685.68	442.67
23 52 13 00-0039	EA		18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,046.60	479.56
23 52 13 00-0040	EA		24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,384.05	516.45
23 52 13 00-0041	EA		36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	7,764.61	553.34
23 52 13 00-0042	EA		48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	8,062.37	590.23
23 52 13 00-0043	EA		60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,423.29	627.12
23 52 13 00-0044	EA		72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	8,964.67	664.01
23 52 13 00-0045	EA		84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,396.55	700.90
23 52 13 00-0046	EA		90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	9,685.28	737.79
23 52 13 00-0047	EA		105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	10,387.65	774.68
23 52 13 00-0048	EA		120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	11,035.58	811.57
23 52 13 00-0049	EA		135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	12,195.98	848.46
23 52 13 00-0050	EA		150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	12,920.12	885.35
23 52 13 00-0051	EA		165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,553.16	922.23
23 52 13 00-0052	EA		180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,781.09	959.12
23 52 13 00-0053	EA		195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	16,384.16	1,116.57
23 52 13 00-0054	EA		225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	17,657.91	1,199.27
23 52 13 00-0055	EA		240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	19,023.39	1,281.98
23 52 13 00-0056	EA		270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,379.84	1,406.04
23 52 13 00-0057	EA		300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	21,745.31	1,488.75
23 52 13 00-0058	EA		330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	22,982.21	1,571.45
23 52 13 00-0059	EA		360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,632.65	1,612.82
23 52 13 00-0060	EA		390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	26,270.31	1,654.17
23 52 13 00-0061	EA		420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	27,835.80	1,736.87
23 52 13 00-0062	EA		450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	29,492.11	1,736.87
23 52 13 00-0063	EA		504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	32,362.29	1,778.23
23 52 13 00-0064	EA		612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	33,900.79	1,819.59
23 52 13 00-0065	EA		684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	35,760.96	1,902.29
23 52 13 00-0066	EA		720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	37,242.24	1,943.65
23 52 13 00-0067	EA		750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	38,727.72	1,985.00
23 52 13 00-0068	EA		810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	39,808.68	2,109.07
23 52 13 00-0069	EA		900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	41,801.44	2,233.12
23 52 13 00-0070	EA		1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	48,861.56	2,357.19
23 52 13 00-0071	EA		1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	53,676.61	2,481.25
23 52 13 00-0072	EA		1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	55,844.61	2,563.96
23 52 13 00-0073	EA		1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	58,224.43	2,729.37
23 52 13 00-0074	EA		1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	60,604.24	2,894.79
23 52 13 00-0075	EA		1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	67,348.92	3,060.21
23 52 13 00-0076	EA		1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	71,649.88	3,225.62
23 52 13 00-0077	EA		1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	73,488.31	3,308.34
23 52 13 00-0078	EA		1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	75,326.75	3,391.04
23 52 13 00-0079	EA		1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	75,657.57	3,515.11
23 52 13 00-0080	EA		2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	81,304.46	3,597.82
23 52 13 00-0081	EA		2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	85,064.03	3,721.87
23 52 13 00-0082	EA		2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	91,304.91	3,970.00
23 52 13 00-0083	EA		2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	98,199.94	4,383.54
23 52 13 00-0084	EA		3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	106,034.85	4,879.79
23 52 13 00-0085	EA		3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	112,275.73	5,376.04

23 52 16 **Condensing Boilers** (23 52)

23 52 16 13 **Stainless-Steel Condensing Boilers** (23 52 16)

23 52 16 13-0001

Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	11,601.21	295.12
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	12,162.20	393.09
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	12,940.82	442.60
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	13,720.54	467.24
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	18,206.51	541.02
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	21,119.75	590.16
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	28,669.82	688.50
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	40,071.95	786.93
			Note: Includes vent manifold.		
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	49,134.30	860.70
			Note: Includes vent manifold.		
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	71,237.90	1,008.18
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	78,541.52	1,081.96

23 52 16 13-0013

Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	35,555.80	639.37
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	37,284.84	688.50
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	41,454.23	786.93
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	44,912.31	885.27
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	50,053.80	959.04
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	57,307.25	1,008.18
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	68,511.64	1,081.96

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13) Note: Includes Riello burners.		
23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	73,217.27	1,180.31
23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	84,977.48	1,229.52
23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	98,646.26	1,278.73
23 52 16 13-0025 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0026 EA 165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	9,510.32	442.60
23 52 16 13-0027 EA 226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	12,534.35	491.81
23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0029 EA 324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	16,815.78	565.59
23 52 16 13-0030 EA 406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	20,801.86	590.16
23 52 16 13-0031 EA 493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	24,506.50	639.37
23 52 16 13-0032 EA 574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	28,292.62	663.94
23 52 16 13-0033 EA 654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	32,516.42	713.15
23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0035 EA 941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	44,692.26	860.70
23 52 16 13-0036 EA 1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	50,955.92	934.40
23 52 16 13-0037 EA 1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	54,719.44	1,008.18
23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0039 EA 1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	54,420.36	959.04
23 52 16 13-0040 EA 1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	65,346.26	1,081.96
23 52 16 13-0041 EA 2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	85,365.81	1,131.17
23 52 16 13-0042 EA 2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	94,207.37	1,180.31
23 52 16 13-0043 EA 3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	112,363.93	1,229.52
23 52 16 13-0044 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0045 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	45,193.76	1,008.18
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0046 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	53,777.84	1,081.96
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0047 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	77,775.16	1,204.95
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0048 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	82,969.08	1,204.95
Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0049 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13) Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0050 EA 80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	5,459.05	319.68
23 52 16 13-0051 EA 105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	6,231.90	368.89
23 52 16 13-0052 EA 150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	6,984.39	442.60
23 52 16 13-0053 EA 210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	7,778.37	491.81
23 52 16 13-0054 EA 285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	9,780.73	541.02
23 52 16 13-0055 EA 399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	12,770.69	590.16
23 52 16 13-0056 EA 500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	15,338.25	639.37
23 52 16 13-0057 EA 600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	17,025.81	688.50
23 52 16 13-0058 EA 750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	18,493.36	737.72
23 52 16 13-0059 EA 850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	20,108.47	836.05
23 52 16 13-0060 EA 1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	28,596.20	885.27
23 52 16 13-0061 EA 1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	38,007.04	1,032.82
23 52 16 16 Aluminum Condensing Boilers (23 52 16)		
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0002 EA 80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,208.06	319.68
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003 EA 105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,833.52	368.89
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004 EA 155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	7,692.06	442.60
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005 EA 230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	8,636.12	491.81
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80).....	11,246.95	565.59
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.				

23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)
 Note: Rated by gross rated output.

23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300).....	18,255.75	541.02
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450).....	20,562.98	614.80
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750).....	23,194.42	737.72
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900).....	34,720.08	836.05
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050).....	36,253.09	885.27
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500).....	56,753.14	1,008.18
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000).....	61,469.90	1,081.96
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500).....	71,259.39	1,180.31
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000).....	88,582.84	1,204.95
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000).....	108,401.25	1,278.73

23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)
 Note: Includes standard controls.

23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24).....	7,495.94	295.12
Note: Includes an aluminum heat exchanger and three speed circulating pump.				
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30).....	8,701.32	344.25
Note: Includes an aluminum heat exchanger and three speed circulating pump.				
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45).....	9,976.98	418.03
Note: Includes an aluminum heat exchanger and three speed circulating pump.				
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60).....	10,895.95	467.24
Note: Includes an aluminum heat exchanger and three speed circulating pump.				
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	293.41	73.78
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	414.65	73.78
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265).....	998.04	73.78

23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)
 Note: Includes standard controls.

23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80).....	10,151.13	541.02
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.				
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100).....	12,675.49	565.59
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.				
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2).....	25,116.82	663.94
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2).....	23,407.18	663.94
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2).....	30,165.52	713.15
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2).....	28,455.88	713.15
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3).....	35,060.77	836.05
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3).....	42,560.05	885.27
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4).....	43,709.46	934.40
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4).....	44,394.18	934.40
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4).....	53,585.54	959.04
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)	54,270.26	959.04
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35)	699.40	73.78
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)	20,565.75	541.02
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)	22,628.65	590.16
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)	26,942.52	651.61
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)	31,063.09	713.15
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)	37,329.19	786.93
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)	41,240.65	860.70
Note: Includes an aluminum heat exchanger.		
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	600.94	36.89
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	267.07	36.89
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	402.38	36.89
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	904.94	36.89
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	42,511.72	934.40
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	47,960.78	1,032.82
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	52,547.18	1,081.96
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,754.63	1,131.17
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)		
Note: Rated by gross rated output.		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	14,142.95	467.24
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	20,807.47	590.16
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	34,524.82	688.50
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	45,338.52	885.27
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	60,604.88	1,032.82
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	66,158.88	1,081.96
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	84,422.58	1,180.31
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	92,372.44	1,204.95
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)	13,165.26	2,466.04
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)	14,433.13	2,630.44
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)	15,823.89	2,794.84
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)	17,114.94	2,959.24
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)	18,304.80	3,123.64
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)	19,945.55	3,288.04
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)	21,206.32	3,452.45
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)	22,200.50	3,616.85
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)	23,190.93	3,781.26
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)	24,339.62	3,945.66
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0014 EA 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)	9,751.57	330.83
Note: Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)	10,860.43	330.83
Note: Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)	12,425.12	413.54
Note: Fire tested factory assembled package unit.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package unit.	13,555.77	413.54
23 52 23 00-0018	EA		565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package unit.	14,919.78	496.25
23 52 23 00-0019	EA		654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package unit.	16,415.07	496.25
23 52 23 00-0020	EA		743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package unit.	17,847.89	578.95
23 52 23 00-0021	EA		833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package unit.	19,014.67	661.67
23 52 23 00-0022	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package unit.	19,848.32	661.67
23 52 23 00-0023	EA		1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package unit.	21,167.60	744.37
23 52 23 00-0024			Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	13,813.14	2,466.04
23 52 23 00-0026	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	15,196.84	2,630.44
23 52 23 00-0027	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,517.64	2,794.84
23 52 23 00-0028	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,996.75	2,959.24
23 52 23 00-0029	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,210.69	3,123.64
23 52 23 00-0030	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,998.22	3,288.04
23 52 23 00-0031	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,109.92	3,452.45
23 52 23 00-0032	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,190.10	3,616.85
23 52 23 00-0033	EA		922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,181.68	3,781.26
23 52 23 00-0034	EA		1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,361.32	3,945.66
23 52 23 00-0035			Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0036	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	10,399.46	330.83
23 52 23 00-0037	EA		297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	11,624.14	330.83
23 52 23 00-0038	EA		386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	13,118.88	413.54
23 52 23 00-0039	EA		476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	14,437.58	413.54
23 52 23 00-0040	EA		565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	15,825.67	496.25
23 52 23 00-0041	EA		654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	17,467.74	496.25
23 52 23 00-0042	EA		743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	18,751.49	578.95
23 52 23 00-0043	EA		833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	20,004.27	661.67
23 52 23 00-0044	EA		922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	20,839.07	661.67
23 52 23 00-0045	EA		1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	22,189.31	744.37
23 52 23 00-0046			Weil-McLain Model 88 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047			Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA		629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	21,646.81	3,699.05
23 52 23 00-0049	EA		845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	23,966.91	3,925.10
23 52 23 00-0050	EA		1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	26,848.95	4,151.16
23 52 23 00-0051	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	29,383.17	4,377.21
23 52 23 00-0052	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	31,580.92	4,603.26
23 52 23 00-0053	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	34,785.33	4,829.32
23 52 23 00-0054	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	37,004.23	5,055.37
23 52 23 00-0055	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	38,962.20	5,281.42
23 52 23 00-0056	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	41,590.69	5,507.48
23 52 23 00-0057	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	43,696.37	5,733.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	47,047.49		5,959.58
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	49,048.93		6,185.63
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	51,174.49		6,411.69
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	53,547.71		6,637.74
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	55,470.63		6,863.79
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	17,863.95		578.95
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	20,258.84		661.67
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	23,229.37		744.37
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	25,827.23		827.08
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	27,767.45		827.08
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	31,049.88		909.79
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	33,014.17		909.79
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	35,046.72		992.50
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	37,421.53		992.50
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	39,602.02		1,075.20
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	41,712.52		1,157.92
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	43,460.09		1,157.92
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	45,661.19		1,240.62
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	47,779.14		1,240.62
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	49,801.30		1,323.33
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	22,444.92		3,699.05
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	24,760.43		3,925.10
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	27,848.87		4,151.16
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	30,484.01		4,377.21
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	32,569.38		4,603.26
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	35,711.86		4,829.32
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	38,395.17		5,055.37
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	40,353.15		5,281.42
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	42,954.12		5,507.48
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	45,645.76		5,733.53
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	49,095.50		5,959.58
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	51,786.11		6,185.63
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	53,221.35		6,411.69
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	55,532.65		6,637.74
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	57,477.35		6,863.79
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)					
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	18,662.05		578.95
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	21,052.35		661.67
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	24,217.82		744.37
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	26,928.07		827.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0100	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	28,758.20	827.08
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0101	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	31,976.41	909.79
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.					
23 52 23 00-0102	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	34,405.12	909.79
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0103	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	36,437.66	992.50
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0104	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	38,784.96	992.50
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0105	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	41,557.14	1,075.20
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0106	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	43,760.52	1,157.92
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0107	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	45,050.56	1,157.92
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0108	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	47,708.05	1,240.62
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0109	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	49,764.08	1,240.62
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0110	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888).....	51,785.09	1,323.33
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0111			Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.					
23 52 23 00-0112			Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0113	EA		1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894).....	60,180.13	7,192.60
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0114	EA		1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994).....	65,315.21	7,603.60
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0115	EA		2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094).....	69,996.64	8,014.61
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0116	EA		2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194).....	74,578.58	8,425.62
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0117	EA		2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294).....	79,203.70	8,836.63
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0118	EA		2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394).....	84,992.20	9,247.64
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0119	EA		2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494).....	89,344.75	9,658.63
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0120	EA		3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594).....	93,553.22	10,069.64
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0121	EA		3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694).....	100,462.48	10,480.65
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0122	EA		3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794).....	104,668.51	10,891.66
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0123	EA		3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894).....	108,263.46	11,302.65
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0124	EA		4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994).....	114,928.63	11,713.66
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0125	EA		4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094).....	119,170.44	12,124.67
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0126	EA		4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194).....	125,990.62	12,535.68
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0127	EA		4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294).....	130,461.03	12,946.69
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0128	EA		4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394).....	135,361.22	13,357.69
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0129	EA		5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494).....	139,556.94	13,768.69
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0130	EA		5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594).....	143,876.02	14,179.70
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0131			Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132	EA		1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894).....	55,116.87	1,075.20
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0133	EA		1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994).....	60,122.79	1,157.92
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0134	EA		2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	64,672.33	1,240.62
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0135	EA		2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	69,125.49	1,323.33
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0136	EA		2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	73,288.01	1,323.33
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0137	EA		2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	77,633.53	1,406.04
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0138	EA		2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	81,524.28	1,406.04
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0139	EA		3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	85,602.50	1,488.75
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0140	EA		3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	92,050.39	1,488.75
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0141	EA		3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	96,127.43	1,571.45
Note: Fire tested factory assembled package cast iron unit.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	99,260.22	1,571.45
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	105,797.05	1,654.17
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	109,576.57	1,654.17
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	116,287.70	1,736.87
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	120,274.77	1,736.87
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	125,043.33	1,819.59
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	128,778.14	1,819.59
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	132,966.42	1,902.29

23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	56,758.38	7,192.60
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	61,893.45	7,603.60
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	68,159.63	8,014.61
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	72,327.61	8,425.62
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	76,670.64	8,836.63
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	82,143.80	9,247.64
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	86,709.63	9,658.63
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	90,920.39	10,069.64
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	98,648.40	10,480.65
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	102,855.58	10,891.66
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	107,061.71	11,302.65
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	114,936.65	11,713.66
23 52 23 00-0163	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	119,178.47	12,124.67
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	126,183.26	12,535.68
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	130,652.53	12,946.69
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	135,454.10	13,357.69
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	139,649.82	13,768.69
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	143,975.79	14,179.70

23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	51,509.35	1,075.20
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	56,515.27	1,157.92
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	62,649.55	1,240.62
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	66,688.75	1,323.33
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	70,569.19	1,323.33
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	74,599.36	1,406.04
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	78,703.40	1,406.04
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	82,781.62	1,488.75
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	90,050.55	1,488.75
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	94,126.44	1,571.45
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	97,872.71	1,571.45
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	105,619.31	1,654.17
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	109,398.83	1,654.17
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	116,271.64	1,736.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0184	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	120,280.51	1,736.87
23 52 23 00-0185	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	124,950.45	1,819.59
23 52 23 00-0186	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	128,685.25	1,819.59
23 52 23 00-0187	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	132,880.42	1,902.29
23 52 23 00-0188			Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	61,255.74	7,192.60
23 52 23 00-0190	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	66,391.96	7,603.60
23 52 23 00-0191	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	71,366.95	8,014.61
23 52 23 00-0192	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	76,064.70	8,425.62
23 52 23 00-0193	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	80,663.45	8,836.63
23 52 23 00-0194	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	85,531.15	9,247.64
23 52 23 00-0195	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	91,134.75	9,658.63
23 52 23 00-0196	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	95,625.30	10,069.64
23 52 23 00-0197	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	102,714.60	10,480.65
23 52 23 00-0198	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	106,920.63	10,891.66
23 52 23 00-0199	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	110,595.84	11,302.65
23 52 23 00-0200	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	117,338.99	11,713.66
23 52 23 00-0201	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	122,727.51	12,124.67
23 52 23 00-0202	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	130,162.31	12,535.68
23 52 23 00-0203	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	134,598.32	12,946.69
23 52 23 00-0204	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	139,711.80	13,357.69
23 52 23 00-0205	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	143,908.66	13,768.69
23 52 23 00-0206	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	148,231.19	14,179.70
23 52 23 00-0207			Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	56,276.18	1,075.20
23 52 23 00-0209	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	61,283.25	1,157.92
23 52 23 00-0210	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	66,129.78	1,240.62
23 52 23 00-0211	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	70,696.47	1,323.33
23 52 23 00-0212	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	74,832.62	1,323.33
23 52 23 00-0213	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	78,256.19	1,406.04
23 52 23 00-0214	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	83,397.99	1,406.04
23 52 23 00-0215	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	87,757.15	1,488.75
23 52 23 00-0216	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	94,387.37	1,488.75
23 52 23 00-0217	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	98,462.11	1,571.45
23 52 23 00-0218	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	101,676.31	1,571.45
23 52 23 00-0219	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	108,291.12	1,654.17
23 52 23 00-0220	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	113,218.49	1,654.17
23 52 23 00-0221	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	120,521.31	1,736.87
23 52 23 00-0222	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	124,496.92	1,736.87
23 52 23 00-0223	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	129,477.62	1,819.59
23 52 23 00-0224	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	133,213.57	1,819.59
23 52 23 00-0225	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	137,406.45	1,902.29

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 52 33 Water-Tube Boilers (23 52)****23 52 33 16 Steel Water-Tube Boilers (23 52 33)**

23 52 33 16-0001	Package Oil Fired Water Tube Boiler (23 52 33 16)		
	Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.		
23 52 33 16-0002	EA 200 MBH Oil Fired Water Tube Boiler, Steel Shell.....	13,331.21	661.67
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,401.58	
23 52 33 16-0003	EA 285 MBH Oil Fired Water Tube Boiler, Steel Shell.....	13,714.95	744.37
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,445.24	
23 52 33 16-0004	EA 350 MBH Oil Fired Water Tube Boiler, Steel Shell.....	14,098.69	827.08
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,488.90	
23 52 33 16-0005	EA 430 MBH Oil Fired Water Tube Boiler, Steel Shell.....	14,828.27	909.79
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,601.74	
23 52 33 16-0006	EA 520 MBH Oil Fired Water Tube Boiler, Steel Shell.....	15,564.82	992.50
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,715.96	
23 52 33 16-0007	EA 600 MBH Oil Fired Water Tube Boiler, Steel Shell.....	16,865.52	1,075.20
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,943.02	
23 52 33 16-0008	EA 680 MBH Oil Fired Water Tube Boiler, Steel Shell.....	17,712.36	1,116.57
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	3,095.85	
23 52 33 16-0009	EA 770 MBH Oil Fired Water Tube Boiler, Steel Shell.....	18,559.22	1,157.92
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	3,248.68	
23 52 33 16-0010	EA 860 MBH Oil Fired Water Tube Boiler, Steel Shell.....	20,121.91	1,240.62
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	3,528.13	
23 52 33 16-0011	EA 1,020 MBH Oil Fired Water Tube Boiler, Steel Shell.....	21,684.61	1,323.33
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	3,807.59	
23 52 33 16-0012	EA 1,220 MBH Oil Fired Water Tube Boiler, Steel Shell.....	23,587.38	1,488.75
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	4,121.98	
23 52 33 16-0013	EA 1,440 MBH Oil Fired Water Tube Boiler, Steel Shell.....	25,315.50	1,654.17
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	4,401.43	
23 52 33 16-0014	EA 1,700 MBH Oil Fired Water Tube Boiler, Steel Shell.....	27,926.15	1,736.87
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	4,890.48	
23 52 33 16-0015	EA 2,050 MBH Oil Fired Water Tube Boiler, Steel Shell.....	29,488.84	1,819.59
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	5,169.94	
23 52 33 16-0016	EA 2,200 MBH Oil Fired Water Tube Boiler, Steel Shell.....	31,750.19	1,902.29
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	5,589.12	
23 52 33 16-0017	EA 2,450 MBH Oil Fired Water Tube Boiler, Steel Shell.....	35,408.80	1,985.00
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	6,287.76	
23 52 33 16-0018	EA 2,750 MBH Oil Fired Water Tube Boiler, Steel Shell.....	38,010.22	2,150.42
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	6,741.88	
23 52 33 16-0019	EA 3,100 MBH Oil Fired Water Tube Boiler, Steel Shell.....	40,611.64	2,315.84
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	7,195.99	
23 52 33 16-0020	EA 3,450 MBH Oil Fired Water Tube Boiler, Steel Shell.....	43,387.71	2,481.25
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	7,685.04	
23 52 33 16-0021	EA 4,300 MBH Oil Fired Water Tube Boiler, Steel Shell.....	48,015.18	2,646.67
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	8,544.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0022	EA		5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	49,987.81 8,872.73	2,812.09
23 52 33 16-0023			Package Gas Fired Water Tube Boiler <small>(23 52 33 16)</small> Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.		
23 52 33 16-0024	EA		200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	13,038.33 2,343.00 585.75	661.67
23 52 33 16-0025	EA		285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	13,416.75 2,385.60 596.40	744.37
23 52 33 16-0026	EA		350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	13,795.17 2,428.20 607.05	827.08
23 52 33 16-0027	EA		430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	14,514.39 2,538.96 634.74	909.79
23 52 33 16-0028	EA		520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	15,233.60 2,649.72 662.43	992.50
23 52 33 16-0029	EA		600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	16,506.62 2,871.24 717.81	1,075.20
23 52 33 16-0030	EA		680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	17,334.82 3,020.34 755.09	1,116.57
23 52 33 16-0031	EA		770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	18,163.04 3,169.44 792.36	1,157.92
23 52 33 16-0032	EA		860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	19,691.65 3,442.08 860.52	1,240.62
23 52 33 16-0033	EA		1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	21,220.27 3,714.72 928.68	1,323.33
23 52 33 16-0034	EA		1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	23,084.70 4,021.44 1,005.36	1,488.75
23 52 33 16-0035	EA		1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	24,778.74 4,294.08 1,073.52	1,654.17
23 52 33 16-0036	EA		1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	27,329.75 4,771.20 1,192.80	1,736.87
23 52 33 16-0037	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	28,858.36 5,043.84 1,260.96	1,819.59
23 52 33 16-0038	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	31,068.59 5,452.80 1,363.20	1,902.29
23 52 33 16-0039	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	34,642.00 6,134.40 1,533.60	1,985.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0040	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	37,188.04 6,577.44 1,644.36	2,150.42
23 52 33 16-0041	EA		3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	39,734.08 7,020.48 1,755.12	2,315.84
23 52 33 16-0042	EA		3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	42,450.51 7,497.60 1,874.40	2,481.25
23 52 33 16-0043	EA		4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	45,950.78 8,131.49 2,032.87	2,646.67
23 52 33 16-0044	EA		5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	47,883.37 8,451.84 2,112.96	2,812.09

23 52 36 Fire-Box Boiler (23 52)

23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA		40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	77,361.49	1,985.00
23 52 36 00-0003	EA		46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	80,833.62	2,150.42
23 52 36 00-0004	EA		53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	84,591.28	2,315.84
23 52 36 00-0005	EA		61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,490.22	2,481.25
23 52 36 00-0006	EA		69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,533.41	2,646.67
23 52 36 00-0007	EA		80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	99,505.35	2,812.09
23 52 36 00-0008	EA		100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	110,773.48	2,977.50
23 52 36 00-0009	EA		127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	128,269.49	3,308.34
23 52 36 00-0010	EA		151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	146,065.41	3,639.17
23 52 36 00-0011	EA		183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	160,231.48	4,011.36
23 52 36 00-0012	EA		220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	174,397.65	4,383.54
23 52 36 00-0013	EA		257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	183,025.78	5,127.92
23 52 36 00-0014	EA		294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	223,280.62	5,872.29
23 52 36 00-0015	EA		368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	264,534.94	6,616.67
23 52 36 00-0016	EA		441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	306,168.91	7,443.76
23 52 36 00-0017	EA		514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	346,960.92	8,064.06

23 52 39 Fire-Tube Boilers (23 52)

23 52 39 13 Scotch Marine Boilers (23 52 39)

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003	EA		30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,511.73	909.79
23 52 39 13-0004	EA		40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,196.44	992.50
23 52 39 13-0005	EA		50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,900.02	1,075.20
23 52 39 13-0006	EA		60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,984.27	1,240.62
23 52 39 13-0007	EA		70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,542.98	1,323.33
23 52 39 13-0008	EA		80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,194.91	1,406.04
23 52 39 13-0009	EA		90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,734.13	1,447.40
23 52 39 13-0010	EA		100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,495.66	1,488.75
23 52 39 13-0011	EA		125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,225.84	1,654.17
23 52 39 13-0012	EA		150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,094.75	1,819.59
23 52 39 13-0013	EA		175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,232.98	2,005.68
23 52 39 13-0014	EA		200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,369.52	2,191.77
23 52 39 13-0015	EA		250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	144,588.08	2,563.96
23 52 39 13-0016	EA		300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,063.62	2,936.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0017	EA		350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,441.30	3,308.34
23 52 39 13-0018	EA		400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,496.40	3,680.52
23 52 39 13-0019	EA		500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	273,172.22	4,052.71
23 52 39 13-0020	EA		600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	319,941.96	4,424.90
23 52 39 13-0021	EA		700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	364,721.77	4,797.09
23 52 39 13-0022	EA		800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	407,678.71	5,169.27
23 52 39 13-0023	EA		900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	637,708.29	5,541.46
23 52 39 13-0024	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	693,972.75	5,913.64
23 52 39 13-0025			15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0026	EA		30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,930.47	909.79
23 52 39 13-0027	EA		40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,270.36	992.50
23 52 39 13-0028	EA		50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	66,545.59	1,075.20
23 52 39 13-0029	EA		60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,422.71	1,240.62
23 52 39 13-0030	EA		70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,521.65	1,323.33
23 52 39 13-0031	EA		80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,616.72	1,406.04
23 52 39 13-0032	EA		90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,552.88	1,447.40
23 52 39 13-0033	EA		100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,459.54	1,488.75
23 52 39 13-0034	EA		125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,322.94	1,654.17
23 52 39 13-0035	EA		150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,200.41	1,819.59
23 52 39 13-0036	EA		175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,350.07	2,005.68
23 52 39 13-0037	EA		200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,498.03	2,191.77
23 52 39 13-0038	EA		250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	144,722.30	2,563.96
23 52 39 13-0039	EA		300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,229.25	2,936.15
23 52 39 13-0040	EA		350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,618.36	3,308.34
23 52 39 13-0041	EA		400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	224,707.73	3,680.52
23 52 39 13-0042	EA		500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	273,429.24	4,052.71
23 52 39 13-0043	EA		600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	320,244.67	4,424.90
23 52 39 13-0044	EA		700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	365,067.31	4,797.09
23 52 39 13-0045	EA		800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	408,067.08	5,169.27
23 52 39 13-0046	EA		900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	638,322.15	5,541.46
23 52 39 13-0047	EA		1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	694,644.29	5,913.64
23 52 39 13-0048			15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049	EA		30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	63,516.86	909.79
23 52 39 13-0050	EA		40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,352.49	992.50
23 52 39 13-0051	EA		50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,238.84	1,075.20
23 52 39 13-0052	EA		60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,891.38	1,240.62
23 52 39 13-0053	EA		70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,215.92	1,323.33
23 52 39 13-0054	EA		80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,536.58	1,406.04
23 52 39 13-0055	EA		90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,695.49	1,447.40
23 52 39 13-0056	EA		100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,854.97	1,488.75
23 52 39 13-0057	EA		125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,269.51	1,654.17
23 52 39 13-0058	EA		150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,698.14	1,819.59
23 52 39 13-0059	EA		175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	131,281.86	2,005.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,861.03	2,191.77
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,325.18	2,563.96
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,082.93	2,936.15
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	198,008.91	3,308.34
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,457.59	3,680.52
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	284,146.68	4,052.71
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	332,849.73	4,424.90
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,480.03	4,797.09
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	424,207.50	5,169.27
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	663,997.37	5,541.46
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	722,601.94	5,913.64
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,921.61	992.50
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,877.84	1,075.20
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	87,860.63	1,240.62
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,457.80	1,323.33
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	101,196.74	1,406.04
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,585.94	1,447.40
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,842.85	1,488.75
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,143.34	1,654.17
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,225.09	1,819.59
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,698.95	2,005.68
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	147,610.06	2,191.77
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,793.66	2,563.96
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	208,230.22	2,936.15
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	224,264.22	3,308.34
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	250,240.54	3,680.52
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	303,716.79	4,052.71
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	355,863.81	4,424.90
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	405,792.45	4,797.09
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	453,678.32	5,169.27
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	710,873.59	5,541.46
23 52 39 13-0093	EA	1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	773,647.50	5,913.64
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	67,461.51	992.50
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,732.37	1,075.20
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	84,825.02	1,240.62
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,782.52	1,323.33
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,733.28	1,406.04
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	102,522.28	1,447.40
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,187.05	1,488.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0102	EA		125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,260.42	1,654.17
23 52 39 13-0103	EA		150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,350.74	1,819.59
23 52 39 13-0104	EA		175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,833.17	2,005.68
23 52 39 13-0105	EA		200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	147,749.99	2,191.77
23 52 39 13-0106	EA		250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	178,962.14	2,563.96
23 52 39 13-0107	EA		300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	208,427.27	2,936.15
23 52 39 13-0108	EA		350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	224,475.54	3,308.34
23 52 39 13-0109	EA		400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	250,477.56	3,680.52
23 52 39 13-0110	EA		500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	304,005.22	4,052.71
23 52 39 13-0111	EA		600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	356,203.64	4,424.90
23 52 39 13-0112	EA		700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	406,180.83	4,797.09
23 52 39 13-0113	EA		800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	454,112.39	5,169.27
23 52 39 13-0114	EA		900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	711,561.62	5,541.46
23 52 39 13-0115	EA		1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	774,397.32	5,913.64
23 52 39 13-0116			125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0117	EA		40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,308.98	992.50
23 52 39 13-0118	EA		50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	84,562.20	1,075.20
23 52 39 13-0119	EA		60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,301.74	1,240.62
23 52 39 13-0120	EA		70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,713.30	1,323.33
23 52 39 13-0121	EA		80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,120.97	1,406.04
23 52 39 13-0122	EA		90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,366.89	1,447.40
23 52 39 13-0123	EA		100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,613.39	1,488.75
23 52 39 13-0124	EA		125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,120.83	1,654.17
23 52 39 13-0125	EA		150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,645.21	1,819.59
23 52 39 13-0126	EA		175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,450.33	2,005.68
23 52 39 13-0127	EA		200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	153,541.35	2,191.77
23 52 39 13-0128	EA		250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	185,992.88	2,563.96
23 52 39 13-0129	EA		300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	216,623.13	2,936.15
23 52 39 13-0130	EA		350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	233,276.80	3,308.34
23 52 39 13-0131	EA		400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	260,301.17	3,680.52
23 52 39 13-0132	EA		500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	315,999.16	4,052.71
23 52 39 13-0133	EA		600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	370,307.94	4,424.90
23 52 39 13-0134	EA		700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,306.96	4,797.09
23 52 39 13-0135	EA		800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	472,171.84	5,169.27
23 52 39 13-0136	EA		900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	740,289.68	5,541.46
23 52 39 13-0137	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	805,675.60	5,913.64
23 52 39 13-0138			150 PSI Steam Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139			150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0140	EA		40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,864.15	992.50
23 52 39 13-0141	EA		50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,178.35	1,075.20
23 52 39 13-0142	EA		60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,990.80	1,240.62
23 52 39 13-0143	EA		70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,517.60	1,323.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	105,166.16		1,406.04
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,419.30		1,447.40
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,560.14		1,488.75
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	129,611.50		1,654.17
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	147,438.41		1,819.59
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	161,695.06		2,005.68
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	175,950.03		2,191.77
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,887.72		2,563.96
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	225,361.57		2,936.15
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	243,588.38		3,308.34
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	287,433.18		3,680.52
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	350,267.56		4,052.71
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	410,607.58		4,424.90
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	468,383.68		4,797.09
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	523,780.05		5,169.27
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	822,374.57		5,541.46
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	895,052.71		5,913.64
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	78,458.81		992.50
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,219.01		1,075.20
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	92,658.20		1,240.62
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,591.01		1,323.33
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	100,517.08		1,406.04
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	104,281.39		1,447.40
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	111,910.05		1,488.75
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	129,734.30		1,654.17
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	147,578.34		1,819.59
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	161,849.27		2,005.68
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	176,118.51		2,191.77
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	185,061.92		2,563.96
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	225,575.75		2,936.15
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	243,819.69		3,308.34
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	287,707.32		3,680.52
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	350,601.67		4,052.71
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	411,001.67		4,424.90
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	468,832.03		4,797.09
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	524,282.65		5,169.27
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	823,173.83		5,541.46
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	895,926.13		5,913.64
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,665.59		992.50
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,219.67		1,075.20
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,768.89		1,240.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0187	EA		70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	103,992.98	1,323.33
23 52 39 13-0188	EA		80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	108,210.34	1,406.04
23 52 39 13-0189	EA		90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	112,268.79	1,447.40
23 52 39 13-0190	EA		100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,324.96	1,488.75
23 52 39 13-0191	EA		125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	134,865.99	1,654.17
23 52 39 13-0192	EA		150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,423.96	1,819.59
23 52 39 13-0193	EA		175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	168,257.46	2,005.68
23 52 39 13-0194	EA		200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	183,092.13	2,191.77
23 52 39 13-0195	EA		250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	192,346.81	2,563.96
23 52 39 13-0196	EA		300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	234,485.53	2,936.15
23 52 39 13-0197	EA		350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	253,426.27	3,308.34
23 52 39 13-0198	EA		400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	299,081.58	3,680.52
23 52 39 13-0199	EA		500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	364,537.49	4,052.71
23 52 39 13-0200	EA		600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	427,387.67	4,424.90
23 52 39 13-0201	EA		700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	487,568.28	4,797.09
23 52 39 13-0202	EA		800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	545,266.33	5,169.27
23 52 39 13-0203	EA		900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	856,549.14	5,541.46
23 52 39 13-0204	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	932,267.77	5,913.64

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	4,743.85	921.39
23 53 16 00-0004	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,124.37	1,085.50
23 53 16 00-0005	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,503.18	1,123.52
23 53 16 00-0006	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	5,679.17	1,164.75
23 53 16 00-0007	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	6,009.97	1,244.80
23 53 16 00-0008	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,593.72	1,348.87
23 53 16 00-0009	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	10,821.99	1,440.93
23 53 16 00-0010	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	12,405.89	1,641.05
23 53 16 00-0011	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	13,650.66	1,761.13
23 53 16 00-0012	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,706.65	1,881.21

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA		10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,568.56	785.55
23 53 16 00-0015	EA		20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,846.93	921.39
23 53 16 00-0016	EA		34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,621.35	1,085.50
23 53 16 00-0017	EA		54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,235.32	1,123.52
23 53 16 00-0018	EA		67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,379.70	1,164.75
23 53 16 00-0019	EA		78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,110.24	1,244.80
23 53 16 00-0020	EA		104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,148.18	1,348.87
23 53 16 00-0021	EA		158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,489.20	1,440.93
23 53 16 00-0022	EA		183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,837.61	1,543.08
23 53 16 00-0023	EA		219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,966.25	1,641.05
23 53 16 00-0024	EA		254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,079.98	1,761.13
23 53 16 00-0025	EA		305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,426.25	1,881.21

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA		1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,210.02	1,085.50
23 53 16 00-0028	EA		2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	10,701.29	1,243.60
23 53 16 00-0029	EA		4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,121.27	1,423.31
23 53 16 00-0030	EA		6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,986.99	1,641.86
23 53 16 00-0031	EA		8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,028.58	1,761.13
23 53 16 00-0032	EA		11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,019.65	1,881.21
23 53 16 00-0033	EA		13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,174.83	2,161.48
23 53 16 00-0034	EA		17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,383.08	2,481.76
23 53 16 00-0035	EA		20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	35,549.10	2,867.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	45,004.21	3,291.72
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	57,676.28	3,787.24
23 53 16 00-0038		Duplex Vacuum Condensate Pumps <small>(23 53 16)</small>		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	22,807.64	640.41
		Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	23,319.80	680.44
		Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	23,910.52	720.47
		Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	23,104.18	760.49
		Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	31,377.18	800.52
		Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	33,028.52	840.55
		Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
23 54		Furnaces <small>(23 50)</small>		
		Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13		Electric-Resistance Furnaces <small>(23 54)</small>		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,005.56	71.16
		Note: Excludes cooling equipment.		
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,339.02	88.95
		Note: Excludes cooling equipment.		
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,749.71	106.75
		Note: Excludes cooling equipment.		
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	1,005.56	71.16
		Note: Excludes cooling equipment.		
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,213.32	80.05
		Note: Excludes cooling equipment.		
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,322.92	88.95
		Note: Excludes cooling equipment.		
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,374.59	97.85
		Note: Excludes cooling equipment.		
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,749.71	106.75
		Note: Excludes cooling equipment.		
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace <small>(23 54 13)</small>		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace.....	171.20	20.68
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace.....	197.16	22.74
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace.....	213.48	24.81
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace.....	302.22	26.88
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace.....	326.57	28.94
23 54 16		Fuel-Fired Furnaces <small>(23 54)</small>		
23 54 16 13		Gas-Fired Furnaces <small>(23 54 16)</small>		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces <small>(23 54 16 13)</small>		
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,684.47	62.26
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	1,784.41	71.16
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace.....	2,062.98	80.05
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,402.86	97.85
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace.....	2,559.13	106.75
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace <small>(23 54 16 13-0001)</small>		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	1,890.43	62.26
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,064.41	71.16
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,180.08	80.05
		Note: Blower cooling capacity up to 3 tons.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	2,078.50	88.95
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,565.39	97.85
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,697.53	106.75
23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,648.98	62.26
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,893.77	71.16
23 54 16 13-0018 EA 90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,029.30	88.95
23 54 16 13-0019 EA 90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,161.42	97.85
23 54 16 13-0020 Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021 EA 40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,205.83	62.26
23 54 16 13-0022 EA 60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,312.23	71.16
23 54 16 13-0023 EA 80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,573.09	80.05
23 54 16 13-0024 EA 100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,789.07	97.85
23 54 16 13-0025 EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,985.57	106.75
23 54 16 13-0026 Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,488.13	62.26
23 54 16 13-0028 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,557.51	71.16
23 54 16 13-0029 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,736.31	80.05
23 54 16 13-0030 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,752.40	80.05
23 54 16 13-0031 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,908.67	88.95
23 54 16 13-0032 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,003.78	97.85
23 54 16 13-0033 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,118.21	106.75
23 54 16 13-0034 Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	994.10	62.26
23 54 16 13-0036 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,081.19	71.16
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,239.07	80.05
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,240.68	80.05
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,359.93	88.95
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,382.63	97.85
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,540.51	106.75
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,010.20	62.26
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,086.02	71.16
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,311.48	80.05
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,442.00	88.95
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	1,824.21	53.37
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,094.82	66.74
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,639.15	53.37
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,750.27	57.85
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,724.62	62.26
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,771.45	66.74
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,839.16	66.74

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 54 16 16 Oil-Fired Furnaces (23 54 16)**

23 54 16 16-0001	Oil Fired Forced Air Furnaces (23 54 16 16)		
	Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002	Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003	EA 95 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	2,975.22	71.16
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,117.35	97.85
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,592.42	115.64
	Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006	Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007	EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,416.66	97.85
	Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,410.58	115.64
	Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009	Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010	EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	2,927.46	97.85
	Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace.....	3,476.56	115.64
	Note: Blower cooling capacity up to 5 tons.		

23 54 19 Furnace Accessories (23 54)

23 54 19 00-0001	EA LP Gas Furnace Conversion Kit.....	133.41	17.79
23 54 19 00-0002	EA 1" Furnace External Filter Rack.....	41.30	
23 54 19 00-0003	EA Removal And Reinstallation Of Forced Air Furnace.....	329.45	
	Note: Includes storage and cleaning. Excludes ductwork.		

23 55 Fuel-Fired Heaters (23 50)**23 55 23 Gas-Fired Radiant Heaters (23 55)****23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)**

23 55 23 13-0001	Infrared Heaters-Radiant Energy (23 55 23 13)		
	Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002	Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001)		
	Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	688.13	80.05
23 55 23 13-0004	EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	759.38	88.05
23 55 23 13-0005	EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	812.69	88.05
23 55 23 13-0006	EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,019.64	105.67
23 55 23 13-0007	EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,028.63	105.67
23 55 23 13-0008	Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)		
	Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009	EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	745.87	78.27
	For Stainless Steel Housing, Add	127.17	
23 55 23 13-0010	EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	800.65	78.27
	For Stainless Steel Housing, Add	140.86	
23 55 23 13-0011	EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	863.26	78.27
	For Stainless Steel Housing, Add	156.52	
23 55 23 13-0012	EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	938.53	78.27
	For Stainless Steel Housing, Add	175.33	
23 55 23 13-0013	EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,026.99	85.39
	For Stainless Steel Housing, Add	195.37	
23 55 23 13-0014	EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,098.01	92.50
	For Stainless Steel Housing, Add	210.40	
23 55 23 13-0015	EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,787.76	99.63
	For Stainless Steel Housing, Add	375.71	
23 55 23 13-0016	Gas Fired Tubular Infrared Heater (23 55 23 13-0001)		
	Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017	"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF Up To 75 MBH Input Radiant Heater.....	67.96	4.00
23 55 23 13-0019	LF 76 To 105 MBH Input Radiant Heater.....	78.36	4.80
23 55 23 13-0020	LF 106 To 130 MBH Input Radiant Heater.....	95.95	5.60
23 55 23 13-0021	"S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022	LF Up To 75 MBH Input Radiant Heater.....	55.17	3.20
23 55 23 13-0023	LF 76 To 105 MBH Input Radiant Heater.....	70.36	4.00
23 55 23 13-0024	LF 106 To 130 MBH Input Radiant Heater.....	85.55	4.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 55 23 13-0025 Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units (23 55 23 13)

Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Does not include beam clamps, hanger chain/rod, air intake/exhaust piping. Excludes shipping.

23 55 23 13-0026 Burner Unit Packages (23 55 23 13-0025)

23 55 23 13-0027	EA		20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG) 1,123.98	53.37	
			Note: Includes filter and flexible gas line with shut-off.		
23 55 23 13-0028	EA		40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP) 975.24	53.37	
			Note: Includes filter and flexible gas line with shut-off.		
23 55 23 13-0029	EA		Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P) 171.87	26.68	
23 55 23 13-0030	EA		Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P) 178.95	26.68	
23 55 23 13-0031	EA		Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P) 250.96	26.68	
23 55 23 13-0032	EA		Outside Air Filter Housing (CORAYVAC® 01326801) 61.33	20.01	
			Note: Order one per burner if outside air supply is required.		
23 55 23 13-0033	EA		Outside Air Pressure Switch (CORAYVAC® 90434501) 110.85	40.03	
			Note: For non-pressurized outside air supply.		
23 55 23 13-0034	EA		Outside Air Blower (CORAYVAC® 90707501) 909.66	160.11	
23 55 23 13-0035	EA		Outside Air Blower Mounting Kit (CORAYVAC® 01316000) 132.04	60.04	

23 55 23 13-0036 Radiant Tubing and Fittings (23 55 23 13-0025)

23 55 23 13-0037	LF		4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300) 9.80	3.34	
23 55 23 13-0038	LF		4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408) 13.96	3.34	
23 55 23 13-0039	LF		4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D) 24.47	3.34	
23 55 23 13-0040	LF		6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105) 24.70	3.34	
23 55 23 13-0041	EA		4" Elbow, Aluminized (CORAYVAC® 01335801) 78.62	26.68	
23 55 23 13-0042	EA		4" Elbow, Porcelain Coated (CORAYVAC® 0133580D) 112.84	26.68	
23 55 23 13-0043	EA		6" Elbow, Aluminized (CORAYVAC® T0100320) 202.55	26.68	
23 55 23 13-0044	EA		4" Tee, Hot Rolled (CORAYVAC® 02718600) 215.54	26.68	
23 55 23 13-0045	EA		4" Tee, Aluminized (CORAYVAC® 02718603) 226.16	26.68	
23 55 23 13-0046	EA		6" Tee, Aluminized (CORAYVAC® 01330204) 215.54	26.68	
23 55 23 13-0047	EA		4" Tee, Double Porcelain Coated (CORAYVAC® 02718602) 242.69	26.68	
23 55 23 13-0048	EA		4" Cross, Aluminized (CORAYVAC® 01330903) 229.31	33.36	
23 55 23 13-0049	EA		6" Cross, Aluminized (CORAYVAC® 01330904) 336.71	33.36	
23 55 23 13-0050	EA		4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D) 223.40	33.36	
23 55 23 13-0051	EA		4" Coupling, Plain (CORAYVAC® 01312700) 39.72	6.67	
23 55 23 13-0052	EA		6" Coupling, Plain (CORAYVAC® 01312706) 49.16	6.67	
23 55 23 13-0053	EA		4" Coupling, Lined (CORAYVAC® 01312701) 45.62	6.67	
23 55 23 13-0054	EA		4" Coupling, Damper (CORAYVAC® 01331900) 128.56	40.03	
23 55 23 13-0055	EA		6" Coupling, Damper (CORAYVAC® E0009356) 130.92	40.03	
23 55 23 13-0056	EA		4" To 6" Aluminized Adapter (CORAYVAC® 91418200) 110.14	13.34	
23 55 23 13-0057	EA		4" "U" Tube Assembly, Plain (CORAYVAC® 03011000) 239.15	26.68	
			Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		
23 55 23 13-0058	EA		4" "U" Tube Assembly, Stainless Steel (CORAYVAC® 030110SS) 292.26	26.68	
			Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		

23 55 23 13-0059 Reflectors, Hangers, Shields and Accessories (23 55 23 13-0025)

23 55 23 13-0060	LF		Reflector, Aluminum 8" (CORAYVAC® 02750303) 10.51	1.91	
			Note: Need 1" overlap per reflector.		
23 55 23 13-0061	LF		Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304) 12.30	2.86	
23 55 23 13-0062	LF		Reflector, Stainless Steel 8" (CORAYVAC® 027503SS) 33.78	1.91	
			Note: Need 1" overlap per reflector.		
23 55 23 13-0063	LF		Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH) 42.65	2.86	
23 55 23 13-0064	LF		Reflector Side Extensions, Aluminum, 8" (CORAYVAC® 02712700) 11.50	4.76	
23 55 23 13-0065	LF		Reflector Side Extensions, Stainless Steel, 8" (CORAYVAC® 027127SS) 37.81	4.76	
23 55 23 13-0066	LF		Reflector Side Extension Brackets (CORAYVAC® 01329910) 4.09	1.91	
			Note: Two needed per reflector side extension.		
23 55 23 13-0067	EA		End Cap, Reflector, Aluminum (CORAYVAC® 02750800) 12.57	6.67	
23 55 23 13-0068	EA		End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS) 37.37	6.67	
23 55 23 13-0069	EA		Joint, Reflector, Aluminum (CORAYVAC® 02750900) 58.14	33.36	
			Note: Includes modification to reflector.		
23 55 23 13-0070	EA		Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS) 88.84	33.36	
			Note: Includes modification to reflector.		
23 55 23 13-0071	EA		Reflector Support Strap and Wire Form (CORAYVAC® 03050010) 11.09	4.00	
			Note: One needed per reflector.		
23 55 23 13-0072	EA		Tube And Reflector Hanger (CORAYVAC® 03090100) 28.28	20.01	
			Note: Includes "S" hook and turnbuckle.		
23 55 23 13-0073	EA		Turnbuckle (CORAYVAC® 91903201) 8.72	4.00	
			Note: One needed per tube and reflector hanger and one needed per combustion chamber.		

23 55 23 13-0074 Vacuum Pump and Accessories (23 55 23 13-0025)

23 55 23 13-0075	EA		EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105) 1,406.16	320.21	
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0076	EA		EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305) 1,796.87	320.21	
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0077	EA		EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,923.17	320.21
23 55 23 13-0078	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,715.91	346.88
23 55 23 13-0079	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,748.96	346.88
23 55 23 13-0080	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,962.60	346.88
23 55 23 13-0081	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036) Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,993.30	346.88
23 55 23 13-0082	EA		Contact Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009).....	590.91	26.68
23 55 23 13-0083	EA		Condensate Valve (CORAYVAC® 01327001).....	47.57	13.34
23 55 23 13-0084	EA		Drain Cap 4" (CORAYVAC® 02718851)	45.21	13.34
23 55 23 13-0085	EA		Drain Cap 6" (CORAYVAC® 02718852)	48.76	13.34
23 55 23 13-0086			Controls and Accessories (23 55 23 13-0025)		
23 55 23 13-0087	EA		System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002)..... Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.	1,233.28	80.05
23 55 23 13-0088	EA		Load Relay Package (CORAYVAC® 05023000).....	85.34	13.34
23 55 23 13-0089	EA		Transformer Relay SPST (CORAYVAC® 90417600)..... Note: For basic one zone control without control panel. Thermostats needed for each zone.	66.45	13.34
23 55 23 13-0090	EA		Transformer Relay DPST (CORAYVAC® 90436300)..... Note: For basic two zone control without control panel. Thermostats needed for each zone.	113.67	13.34
23 55 23 13-0091	EA		Thermostat 24 Volt (CORAYVAC® 90423000)..... Note: Marked 1 to 5.	556.61	13.34
23 55 23 13-0092	EA		Thermostat 120 Volt (CORAYVAC® 90439400)..... Note: Marked 1 to 5.	48.76	13.34
23 55 23 13-0093			ULTRAVAC™ Building Management Controls (23 55 23 13-0025)		
			Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA		ULTRAVAC™ Central Control, Model URVCCCL (CORAYVAC®)..... Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.	3,409.69	160.11
23 55 23 13-0095	EA		ULTRAVAC™ Control, Model URVCCM (CORAYVAC®) Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.	2,909.21	160.11
23 55 23 13-0096	EA		ULTRAVAC™ Control, Model URVCCR (CORAYVAC®)..... Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardwire communications to remote PC, modem and one outdoor sensor.	3,056.77	160.11
23 55 23 13-0097	EA		ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC)	2,476.02	160.11
23 55 23 13-0098	EA		Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302)	1,317.21	40.03
23 55 23 13-0099	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115)	2,137.51	60.04
23 55 23 13-0100	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230)	1,948.65	60.04
23 55 23 13-0101	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230).....	1,908.52	60.04
23 55 23 13-0102	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4).....	2,937.81	60.04
23 55 23 13-0103	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4).....	2,254.37	60.04
23 55 23 13-0104	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460)	2,131.61	60.04
23 55 23 13-0105	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4).....	2,509.33	60.04
23 55 23 13-0106	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4).....	2,989.75	60.04
23 55 23 13-0107	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460).....	2,120.99	60.04
23 55 23 13-0108	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4).....	2,995.65	60.04
23 55 23 13-0109	EA		Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500)..... Note: One required per heating zone.	245.87	13.34
23 55 23 13-0110	EA		Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501)..... Note: Can be used for indoor NEMA 4 sensor.	117.87	60.04
23 55 23 13-0111			High Efficiency Modulating Radiant Tube Heaters, Non-Condensing (23 55 23 13-0025)		
			Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, 'S' hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For 'U' tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA		CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A)	2,810.98	485.65
23 55 23 13-0113	EA		CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A)	3,082.49	485.65
23 55 23 13-0114	EA		CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A)	3,051.80	485.65
23 55 23 13-0115	EA		CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A)	3,400.29	580.37
23 55 23 13-0116	EA		CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A)	3,389.67	580.37
23 55 23 13-0117	EA		CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A)	3,797.20	675.10
23 55 23 13-0118	EA		CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A)	3,797.20	675.10
23 55 23 13-0119	EA		CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A)	4,107.13	752.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 55 23 13-0120	EA		U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000).....	239.15	26.68
23 55 23 13-0121	EA		U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002).....	322.14	40.03
23 55 23 13-0122	EA		Elbow Package, Aluminized Steel (CORAYVAC® 02718702).....	147.09	26.68
23 55 23 13-0123	EA		Zone Sensor For CTH3 Systems (CORAYVAC® 10081530).....	113.67	13.34

23 55 33 Fuel-Fired Unit Heaters (23 55)

23 55 33 13 Oil-Fired Unit Heaters (23 55 33)

23 55 33 13-0001 Oil Fired Unit Heater (23 55 33 13)

23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)

23 55 33 13-0003	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,011.26	368.89
23 55 33 13-0004	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,446.58	405.78
23 55 33 13-0005	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,923.11	442.67

23 55 33 16 Gas-Fired Unit Heaters (23 55 33)

23 55 33 16-0001 Gas Fired Unit Heaters (23 55 33 16)

23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)

23 55 33 16-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,495.43	138.33
23 55 33 16-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,634.51	166.00
23 55 33 16-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,660.04	166.00
23 55 33 16-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,811.43	193.67
23 55 33 16-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,991.37	221.34
23 55 33 16-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,137.53	235.17
23 55 33 16-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,201.90	235.17
23 55 33 16-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,146.74	235.17
23 55 33 16-0011	EA		141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,557.49	249.00
23 55 33 16-0012	EA		162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,808.81	249.00
23 55 33 16-0013	EA		202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,017.21	249.00
23 55 33 16-0014	EA		243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,610.00	276.67
23 55 33 16-0015	EA		283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,081.98	276.67
23 55 33 16-0016	EA		324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,378.35	304.34

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA		Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	460.29	
23 55 33 16-0019	EA		Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	620.40	

23 57 Heat Exchangers for HVAC (23 50)

23 57 13 Steam-To-Steam Heat Exchangers (23 57)

23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA		75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	15,095.82	1,280.83
23 57 13 00-0003	EA		300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	20,418.03	1,360.88
23 57 13 00-0004	EA		525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	27,614.98	1,722.23

23 57 16 Steam-To-Water Heat Exchangers (23 57)

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA		8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,759.32	200.13
			For Bronze Head And Tube Sheet, Add	671.62	
			For Copper Nickel Tubes, Add	149.25	
			For Double Wall Tube Bundles, Add	223.87	
23 57 16 00-0003	EA		10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,580.26	200.13
			For Bronze Head And Tube Sheet, Add	1,017.02	
			For Copper Nickel Tubes, Add	226.01	
			For Double Wall Tube Bundles, Add	339.01	
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,896.92	280.19
			For Bronze Head And Tube Sheet, Add	1,573.50	
			For Copper Nickel Tubes, Add	349.67	
			For Double Wall Tube Bundles, Add	524.50	
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,130.82	280.19
			For Bronze Head And Tube Sheet, Add	2,398.64	
			For Copper Nickel Tubes, Add	533.03	
			For Double Wall Tube Bundles, Add	799.55	
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,079.27	329.82
			For Bronze Head And Tube Sheet, Add	3,185.38	
			For Copper Nickel Tubes, Add	707.86	
			For Double Wall Tube Bundles, Add	1,061.79	
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,651.64	426.95
			For Bronze Head And Tube Sheet, Add	4,183.22	
			For Copper Nickel Tubes, Add	929.60	
			For Double Wall Tube Bundles, Add	1,394.41	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	13,147.79	640.83
		<i>For Bronze Head And Tube Sheet, Add</i>	5,123.48	
		<i>For Copper Nickel Tubes, Add</i>	1,138.55	
		<i>For Double Wall Tube Bundles, Add</i>	1,707.83	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	19,942.08	640.83
		<i>For Bronze Head And Tube Sheet, Add</i>	7,982.65	
		<i>For Copper Nickel Tubes, Add</i>	1,773.92	
		<i>For Double Wall Tube Bundles, Add</i>	2,660.88	

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)**23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)****23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)**

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,775.93	200.13
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	3,703.03	200.13
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	4,941.92	240.16
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	6,720.30	260.17
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	7,357.68	260.17
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	9,599.61	280.19
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	10,121.10	280.19
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	12,518.82	320.21
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	15,322.16	360.23
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	15,901.60	360.23
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	19,712.77	432.56
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	23,798.86	475.74
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	27,479.25	518.91

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)**23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,100.46	200.13
		<i>For Copper Nickel Tubes, Add</i>	183.36	
		<i>For Double Wall Tube Bundles, Add</i>	275.04	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,921.39	200.13
		<i>For Copper Nickel Tubes, Add</i>	260.12	
		<i>For Double Wall Tube Bundles, Add</i>	390.18	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,365.99	280.19
		<i>For Copper Nickel Tubes, Add</i>	396.57	
		<i>For Double Wall Tube Bundles, Add</i>	594.86	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,247.76	280.19
		<i>For Copper Nickel Tubes, Add</i>	571.41	
		<i>For Double Wall Tube Bundles, Add</i>	857.11	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	7,732.09	320.21
		<i>For Copper Nickel Tubes, Add</i>	703.60	
		<i>For Double Wall Tube Bundles, Add</i>	1,055.40	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,309.26	320.21
		<i>For Copper Nickel Tubes, Add</i>	946.66	
		<i>For Double Wall Tube Bundles, Add</i>	1,419.99	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,805.94	320.42
		<i>For Copper Nickel Tubes, Add</i>	1,176.93	
		<i>For Double Wall Tube Bundles, Add</i>	1,765.40	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,927.76	320.42
		<i>For Copper Nickel Tubes, Add</i>	1,466.90	
		<i>For Double Wall Tube Bundles, Add</i>	2,200.35	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	20,364.72	320.42
		<i>For Copper Nickel Tubes, Add</i>	1,876.26	
		<i>For Double Wall Tube Bundles, Add</i>	2,814.40	

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)**23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)**

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	2,372.75	160.11
		<i>For Copper Nickel Tubes, Add</i>	205.25	
		<i>For Double Wall Tube Bundles, Add</i>	307.88	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	6,338.61	266.82
		<i>For Copper Nickel Tubes, Add</i>	580.49	
		<i>For Double Wall Tube Bundles, Add</i>	870.74	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	8,542.37	348.07
		<i>For Copper Nickel Tubes, Add</i>	784.75	
		<i>For Double Wall Tube Bundles, Add</i>	1,177.12	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	9,158.66	421.31
		<i>For Copper Nickel Tubes, Add</i>	831.78	
		<i>For Double Wall Tube Bundles, Add</i>	1,247.67	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	11,069.85	508.90
		<i>For Copper Nickel Tubes, Add</i>	1,003.57	
		<i>For Double Wall Tube Bundles, Add</i>	1,505.35	

23 60 Central Cooling Equipment (23)**23 61 Refrigerant Compressors (23 60)****23 61 16 Reciprocating Refrigerant Compressors (23 61)**

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

23 61 16 00-0001

Reciprocating Open Type Refrigerant Compressors (23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	505.90	78.24
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	602.29	78.24
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	818.13	97.76
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,016.94	97.76
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,137.43	97.76
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,152.28	101.72
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,159.30	101.72
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,273.35	109.53
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,369.34	117.36
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,493.42	125.18
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,700.26	125.18
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,908.68	133.00
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,948.44	140.83
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,980.34	144.71
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,894.59	757.54
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,395.46	865.72
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type.....	5,896.45	973.98
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	7,817.51	1,055.07
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type.....	9,738.81	1,136.31
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,686.58	1,363.57
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type.....	14,082.84	1,465.58
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type.....	16,383.71	1,549.52
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type.....	21,501.57	1,748.19
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type.....	25,386.15	1,794.04
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type.....	31,813.81	1,839.81
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type.....	33,419.43	1,862.77
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type.....	34,957.57	1,885.65
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type.....	37,836.33	1,931.43
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type.....	40,449.27	1,977.35
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type.....	43,351.55	2,287.63
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type.....	45,435.81	2,338.82
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type.....	47,222.63	2,368.60
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type.....	48,807.73	2,441.88
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type.....	50,093.40	2,493.08
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type.....	51,404.18	2,561.40
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type.....	52,653.05	2,588.94
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type.....	53,925.74	2,631.78
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type.....	55,410.26	2,809.28
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type.....	56,852.46	2,960.71

23 61 16 00-0041

Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042

Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,055.83	78.24
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,094.10	78.24
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,171.50	97.76
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,209.75	97.76
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,228.88	97.76
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,267.32	101.72
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,309.43	101.72
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,405.43	109.53
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,497.64	117.36
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,628.08	125.18
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,704.63	125.18
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,835.07	133.00
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,195.16	140.83
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,413.45	144.71

23 61 16 00-0057

Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,931.62	389.59
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	5,759.73	486.99
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	9,774.99	592.87
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	12,504.12	681.78
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	13,806.35	757.54
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	15,298.39	852.23
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	19,878.80	973.98
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	25,765.96	973.98
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	31,870.95	1,136.31
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	35,925.10	1,217.48
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	37,965.36	1,275.90
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	39,010.06	1,338.93
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	40,140.97	1,344.12
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	42,168.62	1,407.37
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	44,220.81	1,465.58

23 61 19 Scroll Refrigerant Compressors (23 61)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

23 61 19 00-0001		Scroll Refrigerant Compressors ^(23 61 19)			
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor.....	1,043.56		125.04
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor.....	1,094.00		133.09
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor.....	1,120.35		140.76
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor.....	1,142.13		144.78
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor.....	1,414.66		182.80
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor.....	2,701.05		274.21
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor.....	3,089.84		319.91
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor.....	3,461.10		365.61
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor.....	4,183.21		438.73
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor.....	4,934.75		493.57
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor.....	5,791.09		548.42
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor.....	8,165.71		731.21
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor.....	9,197.02		914.01
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor.....	9,821.73		1,096.82

23 61 23 Rotary-Screw Refrigerant Compressors ^(23 61)

23 61 23 00-0001		Rotary Screw Type Refrigerant Compressors ^(23 61 23)			
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type.....	45,370.06		1,862.77
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type.....	46,777.39		1,885.65
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type.....	49,831.70		1,931.43
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type.....	52,852.04		1,977.35
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type.....	56,949.65		2,287.63
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type.....	60,495.39		2,338.82
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type.....	63,976.45		2,368.60
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type.....	67,551.30		2,441.88
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type.....	71,099.01		2,493.08
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type.....	76,101.52		2,561.40
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type.....	79,600.45		2,588.94
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type.....	81,212.81		2,631.78
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type.....	91,259.22		2,809.28
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type.....	101,200.22		2,960.71

23 62 Packaged Compressor and Condenser Units ^(23 62)**23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units ^(23 62)**

23 62 13 00-0001		Combination Direct-Expansion Liquid Cooler And Compressors ^(23 62 13)			
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.					
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	6,149.54		675.64
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	13,959.33		723.90
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	24,721.02		772.16
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	29,323.20		820.43
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	34,831.19		868.69
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	38,600.67		965.20
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	39,698.30		1,091.79
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	42,769.67		1,309.80
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	45,628.83		1,418.95
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	52,331.11		1,528.09
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	59,176.54		1,691.82
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	62,559.01		1,761.14
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	70,674.54		1,871.21
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	77,272.18		1,981.28

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type ^(23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	5,857.02		675.64
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	12,294.37		723.90
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	19,334.64		772.16
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	20,887.84		820.43
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	22,441.06		868.69
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	26,623.90		965.20
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	30,179.54		1,091.79
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	38,852.13		1,309.80
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	43,592.33		1,418.95
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	47,225.27		1,528.09
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	54,283.84		1,691.82
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	57,511.12		1,761.14
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	63,109.03		1,871.21
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	72,021.75		1,981.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)					
Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.					
23 62 13 00-0032	EA		15 Ton Packaged Chiller With Remote Air Cooled Condensers.....	31,169.71	6,363.91
			<i>For Gas Fired Engine Driven, Add</i>	5,279.84	
23 62 13 00-0033	EA		20 Ton Packaged Chiller With Remote Air Cooled Condensers.....	35,133.51	6,707.90
			<i>For Gas Fired Engine Driven, Add</i>	6,021.03	
23 62 13 00-0034	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers.....	40,722.75	7,299.70
			<i>For Gas Fired Engine Driven, Add</i>	7,050.14	
23 62 13 00-0035	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers.....	45,481.72	7,755.98
			<i>For Gas Fired Engine Driven, Add</i>	7,933.53	
23 62 13 00-0036	EA		40 Ton Packaged Chiller With Remote Air Cooled Condensers.....	56,715.34	8,558.30
			<i>For Gas Fired Engine Driven, Add</i>	10,059.96	
23 62 13 00-0037	EA		50 Ton Packaged Chiller With Remote Air Cooled Condensers.....	62,502.39	8,863.93
			<i>For Gas Fired Engine Driven, Add</i>	11,171.55	
23 62 13 00-0038	EA		60 Ton Packaged Chiller With Remote Air Cooled Condensers.....	67,913.07	9,545.78
			<i>For Gas Fired Engine Driven, Add</i>	12,151.46	
23 62 13 00-0039	EA		70 Ton Packaged Chiller With Remote Air Cooled Condensers.....	82,427.72	10,213.66
			<i>For Gas Fired Engine Driven, Add</i>	14,935.13	
23 62 13 00-0040	EA		75 Ton Packaged Chiller With Remote Air Cooled Condensers.....	83,420.69	10,428.60
			<i>For Gas Fired Engine Driven, Add</i>	15,120.62	
23 62 13 00-0041	EA		80 Ton Packaged Chiller With Remote Air Cooled Condensers.....	84,962.49	10,882.06
			<i>For Gas Fired Engine Driven, Add</i>	15,361.01	
23 62 13 00-0042	EA		90 Ton Packaged Chiller With Remote Air Cooled Condensers.....	94,202.31	11,376.71
			<i>For Gas Fired Engine Driven, Add</i>	17,134.81	
23 62 13 00-0043	EA		100 Ton Packaged Chiller With Remote Air Cooled Condensers.....	104,157.09	11,918.48
			<i>For Gas Fired Engine Driven, Add</i>	19,044.54	
23 62 13 00-0044	EA		110 Ton Packaged Chiller With Remote Air Cooled Condensers.....	115,412.09	12,514.37
			<i>For Gas Fired Engine Driven, Add</i>	21,206.20	
23 62 13 00-0045	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers.....	124,758.48	13,173.05
			<i>For Gas Fired Engine Driven, Add</i>	22,976.73	
23 62 13 00-0046	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers.....	137,610.41	13,904.86
			<i>For Gas Fired Engine Driven, Add</i>	25,437.40	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)					
Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.					
23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	5,596.99	512.76
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,492.45	748.85
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	9,728.71	811.57
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	12,067.70	973.88
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	13,024.96	1,145.79
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	27,770.60	1,753.78
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	34,469.81	2,116.65
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	47,713.95	2,315.94

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)					
Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.					
23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	3,985.78	512.76
			<i>For >10 To 25, Deduct</i>	-96.27	
			<i>For >25 To 50, Deduct</i>	-160.46	
			<i>For >50, Deduct</i>	-256.73	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	611.35	
			<i>For Winter Start Control, Add</i>	206.03	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	4,773.22	608.67
			<i>For >10 To 25, Deduct</i>	-115.53	
			<i>For >25 To 50, Deduct</i>	-192.55	
			<i>For >50, Deduct</i>	-308.08	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	538.64	
			<i>For Winter Start Control, Add</i>	169.24	
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	6,200.79	748.85
			<i>For >10 To 25, Deduct</i>	-151.97	
			<i>For >25 To 50, Deduct</i>	-253.29	
			<i>For >50, Deduct</i>	-405.26	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	638.36	
			<i>For Winter Start Control, Add</i>	214.82	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,654.78	779.10
			<i>For >10 To 25, Deduct</i>	-194.23	
			<i>For >25 To 50, Deduct</i>	-323.72	
			<i>For >50, Deduct</i>	-517.95	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	748.32	
			<i>For Winter Start Control, Add</i>	247.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,112.55	811.57
			<i>For >10 To 25, Deduct</i>	-236.49	
			<i>For >25 To 50, Deduct</i>	-394.15	
			<i>For >50, Deduct</i>	-630.63	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	780.38	
			<i>For Winter Start Control, Add</i>	201.79	
23 63 13 00-0007	EA		20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,736.28	973.88
			<i>For >10 To 25, Deduct</i>	-307.82	
			<i>For >25 To 50, Deduct</i>	-513.04	
			<i>For >50, Deduct</i>	-820.86	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	984.54	
			<i>For Winter Start Control, Add</i>	250.17	
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,345.70	1,047.66
			<i>For >10 To 25, Deduct</i>	-352.79	
			<i>For >25 To 50, Deduct</i>	-587.99	
			<i>For >50, Deduct</i>	-940.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,043.27	
			<i>For Winter Start Control, Add</i>	276.19	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,299.21	1,143.57
			<i>For >10 To 25, Deduct</i>	-407.07	
			<i>For >25 To 50, Deduct</i>	-678.45	
			<i>For >50, Deduct</i>	-1,085.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,111.01	
			<i>For Winter Start Control, Add</i>	308.72	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,083.35	1,395.05
			<i>For >10 To 25, Deduct</i>	-567.96	
			<i>For >25 To 50, Deduct</i>	-946.60	
			<i>For >50, Deduct</i>	-1,514.55	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,484.46	
			<i>For Winter Start Control, Add</i>	404.46	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,610.34	1,753.78
			<i>For >10 To 25, Deduct</i>	-687.17	
			<i>For >25 To 50, Deduct</i>	-1,145.28	
			<i>For >50, Deduct</i>	-1,832.45	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,592.40	
			<i>For Winter Start Control, Add</i>	385.00	
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	29,485.95	1,935.63
			<i>For >10 To 25, Deduct</i>	-797.39	
			<i>For >25 To 50, Deduct</i>	-1,328.98	
			<i>For >50, Deduct</i>	-2,126.37	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,789.77	
			<i>For Winter Start Control, Add</i>	423.53	
23 63 13 00-0013	EA		80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,155.83	2,116.65
			<i>For >10 To 25, Deduct</i>	-1,046.75	
			<i>For >25 To 50, Deduct</i>	-1,744.58	
			<i>For >50, Deduct</i>	-2,791.32	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,211.73	
			<i>For Winter Start Control, Add</i>	500.88	
23 63 13 00-0014	EA		100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	52,598.63	1,905.81
			<i>For >10 To 25, Deduct</i>	-1,461.57	
			<i>For >25 To 50, Deduct</i>	-2,435.95	
			<i>For >50, Deduct</i>	-3,897.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,431.49	
			<i>For Winter Start Control, Add</i>	631.56	
23 63 13 00-0015	EA		120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	64,748.33	1,970.42
			<i>For >10 To 25, Deduct</i>	-1,822.11	
			<i>For >25 To 50, Deduct</i>	-3,036.86	
			<i>For >50, Deduct</i>	-4,858.97	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,824.91	
23 63 13 00-0016 Air Cooled Condensing Units ^(23 63 13)					
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.					
23 63 13 00-0017	EA		1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,542.60	230.64
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-35.90	
			<i>For >25 To 50, Deduct</i>	-59.83	
			<i>For >50, Deduct</i>	-95.73	
			<i>For 15 SEER, Add</i>	287.20	
			<i>For 16 SEER, Add</i>	490.63	
			<i>For 18 SEER, Add</i>	1,029.12	
23 63 13 00-0018	EA		2 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,657.29	256.39
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-38.19	
			<i>For >25 To 50, Deduct</i>	-63.65	
			<i>For >50, Deduct</i>	-101.83	
			<i>For 15 SEER, Add</i>	305.50	
			<i>For 16 SEER, Add</i>	521.89	
			<i>For 18 SEER, Add</i>	1,094.69	
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,756.46	282.03
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For >10 To 25, Deduct</i>	-40.01	
			<i>For >25 To 50, Deduct</i>	-66.68	
			<i>For >50, Deduct</i>	-106.69	
			<i>For 15 SEER, Add</i>	320.07	
			<i>For 16 SEER, Add</i>	546.79	
			<i>For 18 SEER, Add</i>	1,146.92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0020 EA 3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,021.05	307.51
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-46.79	
For >25 To 50, Deduct	-77.99	
For >50, Deduct	-124.78	
For 15 SEER, Add	374.35	
For 16 SEER, Add	639.51	
For 18 SEER, Add	1,341.41	
23 63 13 00-0021 EA 3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,138.31	333.30
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-49.16	
For >25 To 50, Deduct	-81.93	
For >50, Deduct	-131.09	
For 15 SEER, Add	393.27	
For 16 SEER, Add	671.83	
For 18 SEER, Add	1,409.20	
23 63 13 00-0022 EA 4 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,386.11	358.95
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-55.44	
For >25 To 50, Deduct	-92.40	
For >50, Deduct	-147.84	
For 15 SEER, Add	443.51	
For 16 SEER, Add	757.66	
For 18 SEER, Add	1,589.25	
23 63 13 00-0023 EA 5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,697.80	384.39
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-63.64	
For >25 To 50, Deduct	-106.06	
For >50, Deduct	-169.70	
For 15 SEER, Add	509.09	
For 16 SEER, Add	869.70	
For 18 SEER, Add	1,824.25	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025 EA Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit	237.20
23 63 13 00-0026 EA Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	889.51
23 63 13 00-0027 EA Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	1,549.97

23 63 23 Water-Cooled Refrigerant Condensers (23 63)

23 63 23 00-0001 Water Cooled Condensers (23 63 23)

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002 EA 15 Ton Water Cooled Condenser, Shell And Tube Type.....	7,050.02	287.37
For Saddle Legs, Add	525.85	
23 63 23 00-0003 EA 20 Ton Water Cooled Condenser, Shell And Tube Type.....	9,165.84	386.08
For Saddle Legs, Add	682.18	
23 63 23 00-0004 EA 25 Ton Water Cooled Condenser, Shell And Tube Type.....	11,993.58	482.60
For Saddle Legs, Add	895.36	
For Dual Compressor, Add	563.12	
23 63 23 00-0005 EA 30 Ton Water Cooled Condenser, Shell And Tube Type.....	12,592.83	587.16
For Saddle Legs, Add	930.36	
For Dual Compressor, Add	585.13	
23 63 23 00-0006 EA 40 Ton Water Cooled Condenser, Shell And Tube Type.....	15,044.92	750.96
For Saddle Legs, Add	1,105.64	
For Dual Compressor, Add	695.37	
23 63 23 00-0007 EA 50 Ton Water Cooled Condenser, Shell And Tube Type.....	17,186.18	844.56
For Saddle Legs, Add	1,264.57	
For Dual Compressor, Add	795.33	
23 63 23 00-0008 EA 60 Ton Water Cooled Condenser, Shell And Tube Type.....	20,911.71	965.20
For Saddle Legs, Add	1,546.22	
For Dual Compressor, Add	972.46	
23 63 23 00-0009 EA 75 Ton Water Cooled Condenser, Shell And Tube Type.....	25,813.39	1,126.07
For Saddle Legs, Add	1,916.52	
For Dual Compressor, Add	1,205.36	
23 63 23 00-0010 EA 100 Ton Water Cooled Condenser, Shell And Tube Type.....	28,376.85	1,452.93
For Saddle Legs, Add	2,081.02	
For Dual Compressor, Add	1,308.81	
23 63 23 00-0011 EA 150 Ton Water Cooled Condenser, Shell And Tube Type.....	41,023.59	1,732.24
For Saddle Legs, Add	3,052.70	
For Dual Compressor, Add	1,919.94	

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0002	EA		50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	121,865.47 82,070.17	5,079.92
23 64 13 16-0003	EA		100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	155,031.58 104,623.47	6,067.60
23 64 13 16-0004	EA		150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	197,414.61 134,187.63	6,229.37
23 64 13 16-0005	EA		200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	219,096.71 149,288.97	6,347.86
23 64 13 16-0006	EA		250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	245,429.00 167,619.32	6,506.97
23 64 13 16-0007	EA		300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	277,566.91 189,869.19	6,890.88
23 64 13 16-0008	EA		350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	297,893.42 203,990.73	7,057.41
23 64 13 16-0009	EA		400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	355,668.22 244,247.71	7,345.93
23 64 13 16-0010	EA		500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller <i>For Two Stage Unit, Add</i>	398,995.43 274,439.28	7,559.90

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA		180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	137,210.04 5,182.70	4,757.67
23 64 16 16-0003	EA		200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	150,107.34 5,690.75	4,878.16
23 64 16 16-0004	EA		225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	165,704.42 6,306.77	5,002.16
23 64 16 16-0005	EA		250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	180,897.43 6,901.60	5,202.71
23 64 16 16-0006	EA		275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	195,710.77 7,475.26	5,496.48
23 64 16 16-0007	EA		300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	209,981.63 8,027.74	5,782.25
23 64 16 16-0008	EA		325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	223,771.77 8,558.97	6,099.29
23 64 16 16-0009	EA		350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	237,007.90 9,069.09	6,400.07
23 64 16 16-0010	EA		375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	249,670.41 9,557.97	6,674.33
23 64 16 16-0011	EA		400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	261,710.72 10,025.66	6,890.88
23 64 16 16-0012	EA		425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	273,421.99 10,472.18	7,232.27
23 64 16 16-0013	EA		450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	284,503.72 10,897.52	7,511.29
23 64 16 16-0014	EA		475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	295,050.12 11,301.68	7,786.72
23 64 16 16-0015	EA		500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	304,967.32 11,684.66	8,000.02
23 64 16 16-0016	EA		550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	322,982.03 12,387.02	8,283.71
23 64 16 16-0017	EA		600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	338,712.40 13,004.66	8,463.83
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	352,706.03 13,537.53	8,882.18
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	364,591.84 13,985.68	9,306.87
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	374,431.35 14,349.23	9,774.09

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 64 23 Scroll Water Chillers (23 64)

23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)

23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air Cooled Scroll Water Chiller	21,161.86	1,170.38
23 64 23 13-0003	EA	15 Ton Packaged Air Cooled Scroll Water Chiller	31,093.84	1,185.38
23 64 23 13-0004	EA	18 Ton Packaged Air Cooled Scroll Water Chiller	33,940.44	1,267.90
23 64 23 13-0005	EA	22 Ton Packaged Air Cooled Scroll Water Chiller	37,349.24	1,357.94
23 64 23 13-0006	EA	25 Ton Packaged Air Cooled Scroll Water Chiller	37,942.47	1,447.97
23 64 23 13-0007	EA	30 Ton Packaged Air Cooled Scroll Water Chiller	40,029.23	1,553.00
23 64 23 13-0008	EA	40 Ton Packaged Air Cooled Scroll Water Chiller	45,793.60	1,680.54
23 64 23 13-0009	EA	45 Ton Packaged Air Cooled Scroll Water Chiller	49,176.89	1,823.09
23 64 23 13-0010	EA	50 Ton Packaged Air Cooled Scroll Water Chiller	51,940.35	1,875.61
23 64 23 13-0011	EA	55 Ton Packaged Air Cooled Scroll Water Chiller	54,249.04	1,958.13
23 64 23 13-0012	EA	60 Ton Packaged Air Cooled Scroll Water Chiller	56,070.68	2,025.66
23 64 23 13-0013	EA	80 Ton Packaged Air Cooled Scroll Water Chiller	69,634.68	2,498.31
23 64 23 13-0014	EA	90 Ton Packaged Air Cooled Scroll Water Chiller	70,913.79	2,505.81
23 64 23 13-0015	EA	100 Ton Packaged Air Cooled Scroll Water Chiller	75,066.70	2,513.30
23 64 23 13-0016	EA	110 Ton Packaged Air Cooled Scroll Water Chiller	79,110.88	2,520.81
23 64 23 13-0017	EA	120 Ton Packaged Air Cooled Scroll Water Chiller	83,205.36	2,528.31
23 64 23 13-0018	EA	130 Ton Packaged Air Cooled Scroll Water Chiller	87,509.06	2,535.82
23 64 23 13-0019	EA	70 Ton Packaged Air Cooled Scroll Water Chiller	64,702.39	2,280.73

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	40,847.67	1,508.36
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	47,213.05	1,553.93
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	52,398.29	1,705.89
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	64,417.20	2,215.98
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	71,287.40	2,428.49
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	74,764.15	2,683.18

23 64 26 Rotary-Screw Water Chillers (23 64)

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	92,265.69	2,873.43
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,319.39	
		<i>For 208/230 Voltage Motor Rating, Add</i>	3,518.37	
23 64 26 13-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	99,146.35	3,121.01
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,417.09	
		<i>For 208/230 Voltage Motor Rating, Add</i>	3,778.89	
23 64 26 13-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	104,305.14	3,256.05
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,491.32	
		<i>For 208/230 Voltage Motor Rating, Add</i>	3,976.84	
23 64 26 13-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	108,096.41	3,503.63
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,542.67	
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,113.79	
23 64 26 13-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	116,055.37	3,676.18
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,658.23	
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,421.94	
23 64 26 13-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	123,405.67	3,751.21
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,766.68	
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,711.15	
23 64 26 13-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	130,310.61	3,878.75
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,867.44	
		<i>For 208/230 Voltage Motor Rating, Add</i>	4,979.85	
23 64 26 13-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	134,497.81	3,961.27
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,928.34	
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,142.24	
23 64 26 13-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	142,091.74	4,043.80
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,040.33	
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,440.89	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 64 Packaged Water Chillers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	148,345.11 -2,131.32 5,683.52	4,171.35
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	156,461.66 -2,249.36 5,998.28	4,336.39
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	163,605.65 -2,354.60 6,278.94	4,426.42
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	175,498.71 -2,531.20 6,749.86	4,501.45
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	183,407.41 -2,648.93 7,063.81	4,546.46
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	191,316.10 -2,766.66 7,377.76	4,583.97
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	214,997.17 -3,119.85 8,319.60	4,674.00
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	226,897.73 -3,296.44 8,790.52	4,764.03
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	242,715.11 -3,531.90 9,418.41	4,839.06
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	266,381.19 -3,885.09 10,360.25	4,921.58

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	79,627.35	3,752.43
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	86,622.22	3,898.37
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	92,684.67	4,002.59
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	97,896.38	4,171.46
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	103,124.33	4,286.11
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	109,503.03	4,406.44
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	112,309.41	4,529.60
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	121,831.55	4,652.19
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	131,091.32	4,767.35
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	135,521.15	5,005.75
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	162,832.42	5,247.15
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	165,003.14	5,359.48
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	179,640.91	5,476.72
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	190,939.23	5,727.38
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	201,633.14	5,959.19
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	214,111.65	6,195.27
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	235,033.78	6,744.38
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	252,005.40	7,418.14
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	265,040.91	8,160.29

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	16,619.42 8,850.79	1,245.40
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	22,991.38 12,430.89	1,522.99
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	28,766.49 15,414.30	1,913.12
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	33,207.09 17,862.59	2,138.19
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	37,967.40 20,457.69	2,408.28
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	42,694.56 23,014.90	2,700.87
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	47,925.31 25,856.25	3,008.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	52,328.96 28,129.33	3,391.09
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	56,977.69 30,553.94	3,766.21
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	62,247.84 33,054.32	4,456.44
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	67,605.82 35,800.96	4,936.59
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	71,228.02 37,695.19	5,251.69
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	75,470.24 39,920.92	5,559.29
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	79,614.91 42,146.63	5,829.38
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	84,383.49 44,751.20	6,099.47
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	89,414.96 47,450.48	6,429.57
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	95,149.26 50,575.96	6,759.68
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	100,737.13 53,654.09	7,044.77
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower..... <i>For Stainless Steel Cooling Tower, Add</i>	106,332.48 56,732.21	7,329.86
23 65 14 Induced-Draft Cooling Towers (23 65)					
23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)					
23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers <small>(23 65 14 13)</small>					
Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.					
23 65 14 13-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	8,387.45 2,138.11	840.27
23 65 14 13-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	9,984.19 2,565.63	907.79
23 65 14 13-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	11,972.44 3,132.59	1,020.33
23 65 14 13-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	13,290.21 3,480.65	1,125.36
23 65 14 13-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	15,790.70 4,176.78	1,245.40
23 65 14 13-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	18,426.98 4,924.90	1,342.93
23 65 14 13-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	21,168.18 5,668.49	1,522.99
23 65 14 13-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	26,280.32 6,961.30	1,913.12
23 65 14 13-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	28,629.37 7,557.98	2,138.19
23 65 14 13-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	44,182.31 12,093.32	2,408.28
23 65 14 13-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	53,414.64 14,574.92	3,008.47
23 65 14 13-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	68,543.15 18,161.68	4,936.59
23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers <small>(23 65 14 13)</small>					
Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.					
23 65 14 13-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	26,280.32 6,961.30	1,913.12
23 65 14 13-0016	EA		150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	35,086.59 9,364.60	2,408.28
23 65 14 13-0017	EA		200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	44,610.41 11,933.66	3,008.47
23 65 14 13-0018	EA		250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	52,826.16 14,031.51	3,766.21
23 65 14 13-0019	EA		300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	62,530.86 16,377.99	4,936.59
23 65 14 13-0020	EA		350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	69,669.15 18,220.13	5,559.29
23 65 14 13-0021	EA		400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	77,753.68 20,386.66	6,099.47
23 65 14 13-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	88,203.75 23,204.33	6,759.68
23 65 14 13-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	99,623.74 26,353.49	7,329.86
23 65 14 13-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	106,820.14 28,366.11	7,727.48
23 65 14 13-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	114,611.62 30,557.26	7,937.55
23 65 14 13-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Stainless Steel Support Structure, Add</i>	130,553.23 35,303.73	8,207.64

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	143,160.11 38,689.66	9,047.91
23 65 14 13-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	158,175.89 42,762.26	9,963.21
23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)					
23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)					
Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.					
23 65 14 14-0002	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	7,065.47 870.76 1,741.52	840.27
23 65 14 14-0003	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	7,653.50 956.71 1,913.43	855.27
23 65 14 14-0004	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	8,321.65 1,038.93 2,077.86	930.30
23 65 14 14-0005	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,784.38 1,248.21 2,496.42	975.32
23 65 14 14-0006	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,122.53 1,438.81 2,877.61	1,020.33
23 65 14 14-0007	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,425.87 1,621.93 3,243.86	1,072.85
23 65 14 14-0008	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	13,622.05 1,790.10 3,580.20	1,125.36
23 65 14 14-0009	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,950.29 1,976.96 3,953.92	1,185.38
23 65 14 14-0010	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,243.71 2,156.34 4,312.68	1,245.40
23 65 14 14-0011	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	18,802.96 2,518.85 5,037.69	1,342.93
23 65 14 14-0012	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	21,576.52 2,911.25 5,822.50	1,447.97
23 65 14 14-0013	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	22,852.52 3,086.89 6,173.79	1,522.99
23 65 14 14-0014	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	24,218.56 3,262.54 6,525.08	1,650.54
23 65 14 14-0015	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,210.88 3,382.13 6,764.26	1,778.07
23 65 14 14-0016	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,043.64 3,595.15 7,190.30	1,913.12
23 65 14 14-0017	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	28,076.44 3,696.05 7,392.10	2,138.19
23 65 14 14-0018	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,647.38 4,316.42 8,632.84	2,408.28
23 65 14 14-0019	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	36,052.42 4,757.40 9,514.81	2,700.87
23 65 14 14-0020	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	37,868.05 4,955.47 9,910.95	3,008.47
23 65 14 14-0021	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	43,814.93 5,755.23 11,510.45	3,391.09
23 65 14 14-0022	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	48,010.30 6,293.38 12,586.76	3,766.21
23 65 14 14-0023	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	51,131.22 6,596.09 13,192.18	4,456.44
23 65 14 14-0024	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	55,100.51 7,074.44 14,148.89	4,936.59
23 65 14 14-0025	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	63,024.54 8,113.37 16,226.75	5,559.29
23 65 14 14-0026	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	69,493.05 8,954.24 17,908.47	6,099.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0027	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	76,804.41 9,892.26 19,784.53	6,759.68
23 65 14 14-0028	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	83,706.66 10,789.18 21,578.36	7,329.86
23 65 14 14-0029			Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^(23 65 14 14) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		
23 65 14 14-0030	EA		100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	74,410.67 3,566.73	1,913.12
23 65 14 14-0031	EA		125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	84,354.28 4,045.91	2,123.19
23 65 14 14-0032	EA		150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	92,154.45 4,414.16	2,408.28
23 65 14 14-0033	EA		200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	102,283.70 4,872.61	3,008.47
23 65 14 14-0034	EA		250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	115,678.30 5,481.19	3,766.21
23 65 14 14-0035	EA		300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	132,511.80 6,228.71	4,936.59
23 65 14 14-0036	EA		350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	144,280.80 6,767.27	5,559.29
23 65 14 14-0037	EA		400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	155,914.73 7,305.83	6,099.47
23 65 14 14-0038	EA		500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	179,814.91 8,401.81	7,329.86
23 65 14 14-0039	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	203,273.40 9,525.97	7,937.55
23 65 14 14-0040	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	252,210.88 11,897.82	8,627.78
23 65 14 14-0041	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	327,739.68 15,523.08	11,013.55
23 65 14 16			Closed-Circuit, Induced-Draft Counterflow Cooling Towers ^(23 65 14)		
23 65 14 16-0001			Stainless Steel Packaged Propeller Type Cooling Towers ^(23 65 14 16) <small>Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.</small>		
23 65 14 16-0002			Draw-Thru Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		
23 65 14 16-0003	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	31,096.64	1,245.40
23 65 14 16-0004	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	44,312.14	1,522.99
23 65 14 16-0005	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	52,106.44	1,913.12
23 65 14 16-0006	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	59,084.62	2,138.19
23 65 14 16-0007	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	64,785.84	2,408.28
23 65 14 16-0008	EA		200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	77,630.28	3,008.47
23 65 14 16-0009	EA		250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	91,252.71	3,766.21
23 65 14 16-0010	EA		300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	107,948.02	4,936.59
23 65 14 16-0011	EA		350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	118,103.58	5,559.29
23 65 14 16-0012	EA		400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	133,998.92	6,099.47
23 65 14 16-0013	EA		500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	155,206.31	7,329.86
23 65 14 16-0014			Belt Driven Stainless Steel Propeller Type Cooling Towers ^(23 65 14 16-0001) <small>Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		
23 65 14 16-0015	EA		100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	54,313.71	1,913.12
23 65 14 16-0016	EA		125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	58,741.02	2,138.19
23 65 14 16-0017	EA		150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	63,247.10	2,408.28
23 65 14 16-0018	EA		200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	74,720.87	3,008.47
23 65 14 16-0019	EA		250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	82,143.53	3,766.21
23 65 14 16-0020			Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers ^(23 65 14 16) <small>Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.</small>		
23 65 14 16-0021	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,388.95	780.25
23 65 14 16-0022	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,567.60	817.76
23 65 14 16-0023	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,178.95	840.27
23 65 14 16-0024	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,751.56	855.27
23 65 14 16-0025	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,271.55	930.30
23 65 14 16-0026	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,635.67	975.32
23 65 14 16-0027	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	7,521.81	1,020.33
23 65 14 16-0028	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,687.81	1,125.36
23 65 14 16-0029	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,698.34	1,245.40
23 65 14 16-0030	EA		60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	10,884.92	1,342.93
23 65 14 16-0031	EA		70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,584.79	1,447.97
23 65 14 16-0032	EA		80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	13,679.77	1,650.54
23 65 14 16-0033	EA		100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	16,542.18	1,913.12
23 65 14 16-0034	EA		125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	20,520.26	2,138.19
23 65 14 16-0035	EA		150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	23,043.47	2,408.28

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0036	EA		175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,052.53	2,700.87
23 65 14 16-0037	EA		200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,288.28	3,008.47
23 65 14 16-0038	EA		225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	34,561.01	3,391.09
23 65 14 16-0039	EA		250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	37,683.87	3,766.21
23 65 14 16-0040	EA		300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	45,012.55	4,936.59
23 65 14 16-0041	EA		350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	51,171.22	5,559.29
23 65 14 16-0042	EA		400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	56,898.23	6,099.47
23 65 14 16-0043	EA		500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	69,200.55	7,179.81
23 65 14 16-0044	EA		600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	79,192.50	7,937.55
23 65 14 16-0045	EA		700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	84,585.85	6,099.47
23 65 14 16-0046	EA		800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	96,245.99	9,047.91
23 65 14 16-0047	EA		1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	110,730.15	7,539.92

23 65 43 Cooling Tower Basins and Accessories (23 65)

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 43 00-0002	EA		30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	906.44	
			For Anti-Flotation Flanges, Add	115.00	
			For Perforated Basins, Add	80.00	
23 65 43 00-0003	EA		30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,025.61	
			For Anti-Flotation Flanges, Add	115.00	
			For Perforated Basins, Add	80.00	
23 65 43 00-0004	EA		36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,008.17	
			For Anti-Flotation Flanges, Add	253.00	
			For Perforated Basins, Add	80.00	
23 65 43 00-0005	EA		36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,180.91	
			For Anti-Flotation Flanges, Add	253.00	
			For Perforated Basins, Add	80.00	
23 65 43 00-0006	EA		42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,280.01	
			For Anti-Flotation Flanges, Add	276.00	
			For Perforated Basins, Add	100.00	
23 65 43 00-0007	EA		42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,421.26	
			For Anti-Flotation Flanges, Add	276.00	
			For Perforated Basins, Add	100.00	
23 65 43 00-0008	EA		42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,562.50	
			For Anti-Flotation Flanges, Add	276.00	
			For Perforated Basins, Add	100.00	
23 65 43 00-0009	EA		48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,583.19	
			For Anti-Flotation Flanges, Add	294.00	
			For Perforated Basins, Add	140.00	
23 65 43 00-0010	EA		48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,750.51	
			For Anti-Flotation Flanges, Add	294.00	
			For Perforated Basins, Add	140.00	
23 65 43 00-0011	EA		48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,994.88	
			For Anti-Flotation Flanges, Add	294.00	
			For Perforated Basins, Add	140.00	
23 65 43 00-0012	EA		48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,241.25	
			For Anti-Flotation Flanges, Add	294.00	
			For Perforated Basins, Add	140.00	
23 65 43 00-0013	EA		48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,404.57	
			For Anti-Flotation Flanges, Add	294.00	
			For Perforated Basins, Add	140.00	

23 70 Central HVAC Equipment (23)

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002	EA		325 Gallon Nickelshield Storage Tank.....	20,697.01	146.09
23 71 13 23-0003	EA		490 Gallon Nickelshield Storage Tank.....	28,883.30	193.70
23 71 13 23-0004	EA		605 Gallon Nickelshield Storage Tank.....	33,066.19	234.29
23 71 13 23-0005	EA		740 Gallon Nickelshield Storage Tank.....	39,149.67	292.85
23 71 13 23-0006	EA		940 Gallon Nickelshield Storage Tank.....	45,544.41	389.30
23 71 13 23-0007	EA		1,505 Gallon Nickelshield Storage Tank.....	58,839.00	585.78
23 71 13 23-0008	EA		1,615 Gallon Nickelshield Storage Tank.....	66,444.59	659.78
23 71 13 23-0009	EA		2,275 Gallon Nickelshield Storage Tank.....	91,248.61	876.36
23 71 13 23-0010	EA		3,815 Gallon Nickelshield Storage Tank.....	118,077.27	1,018.80

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)

23 72 13 00-0001 Enthalpy Recovery Wheel (23 72 13)

23 72 13 00-0002	EA		Up To 1,000 CFM Enthalpy Recovery Wheel.....	7,298.15	533.54
23 72 13 00-0003	EA		>1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	8,098.99	640.41
23 72 13 00-0004	EA		>2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	10,134.53	800.52
23 72 13 00-0005	EA		>4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	11,852.81	914.59
23 72 13 00-0006	EA		>6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	13,118.01	960.62
23 72 13 00-0007	EA		>8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	15,949.71	1,067.48

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	21,204.41	1,120.72
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	26,422.71	1,200.77
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	32,002.94	1,372.09
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	35,851.34	1,761.13
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	48,069.71	2,001.29
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	57,174.13	2,401.55

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient (23 72 16)

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	13,191.00	400.25
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	20,746.35	533.70
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	30,755.11	800.52

23 73 Indoor Central-Station Air-Handling Units (23 70)

23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units (23 73 13)

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,969.54	405.89
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	167.96	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	318.53	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	474.89	
		<i>For Manual Roll Filter, Add</i>	822.31	
		<i>For Automatic Roll Filter, Add</i>	891.80	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	405.41	
		<i>For Electric Heating Coil, Add</i>	683.35	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	683.35	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	613.86	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	544.38	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	445.90	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	822.31	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	752.83	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	544.38	
		<i>For Variable Air Volume, Add</i>	194.56	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,045.90	
		<i>For 2 Coils, Independent Circuits, Add</i>	224.75	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,153.95	487.07
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	280.63	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	540.41	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	807.13	
		<i>For Manual Roll Filter, Add</i>	1,421.81	
		<i>For Automatic Roll Filter, Add</i>	1,544.74	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	684.20	
		<i>For Electric Heating Coil, Add</i>	1,175.94	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,175.94	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,053.00	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	930.07	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	772.37	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,421.81	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,298.87	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	930.07	
		<i>For Variable Air Volume, Add</i>	344.22	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,126.68	
		<i>For 2 Coils, Independent Circuits, Add</i>	364.57	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,572.84	523.10
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	319.92	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	617.43	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	922.41	
		<i>For Manual Roll Filter, Add</i>	1,628.81	
		<i>For Automatic Roll Filter, Add</i>	1,770.09	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	781.13	
		<i>For Electric Heating Coil, Add</i>	1,346.25	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,346.25	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,204.97	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,063.69	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	885.04	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,628.81	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,487.53	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,063.69	
		<i>For Variable Air Volume, Add</i>	395.59	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,163.06	
		<i>For 2 Coils, Independent Circuits, Add</i>	413.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,038.98	562.09
		For Flat Filter Box And Throwaway Filters, Add	363.74	
		For Medium Capacity Filter Box And Throwaway Filters, Add	703.39	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,051.07	
		For Manual Roll Filter, Add	1,860.04	
		For Automatic Roll Filter, Add	2,021.83	
		For Hot Water Heating Coil, Aluminum Fins, Add	889.28	
		For Electric Heating Coil, Add	1,536.45	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,536.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,374.66	
		For Steam Heating Coil, Aluminum Fins, Add	1,212.87	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,010.92	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,860.04	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,698.25	
		For Hot Water Heating Coil, Copper Fins, Add	1,212.87	
		For Variable Air Volume, Add	453.02	
		For Economizer, Panel, Controls And Damper(s), Add	1,202.18	
		For 2 Coils, Independent Circuits, Add	468.62	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,589.90	604.71
		For Flat Filter Box And Throwaway Filters, Add	415.85	
		For Medium Capacity Filter Box And Throwaway Filters, Add	805.81	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,204.40	
		For Manual Roll Filter, Add	2,136.15	
		For Automatic Roll Filter, Add	2,322.51	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,018.04	
		For Electric Heating Coil, Add	1,763.45	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,763.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,577.10	
		For Steam Heating Coil, Aluminum Fins, Add	1,390.75	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,161.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,136.15	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,949.80	
		For Hot Water Heating Coil, Copper Fins, Add	1,390.75	
		For Variable Air Volume, Add	521.78	
		For Economizer, Panel, Controls And Damper(s), Add	1,244.01	
		For 2 Coils, Independent Circuits, Add	533.53	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,233.22	649.86
		For Flat Filter Box And Throwaway Filters, Add	476.90	
		For Medium Capacity Filter Box And Throwaway Filters, Add	925.96	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,384.30	
		For Manual Roll Filter, Add	2,460.51	
		For Automatic Roll Filter, Add	2,675.76	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,169.05	
		For Electric Heating Coil, Add	2,030.03	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,030.03	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,814.78	
		For Steam Heating Coil, Aluminum Fins, Add	1,599.54	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,337.88	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,460.51	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,245.27	
		For Hot Water Heating Coil, Copper Fins, Add	1,599.54	
		For Variable Air Volume, Add	602.68	
		For Economizer, Panel, Controls And Damper(s), Add	1,289.85	
		For 2 Coils, Independent Circuits, Add	609.42	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,734.19	698.64
		For Flat Filter Box And Throwaway Filters, Add	523.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,017.36	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,521.07	
		For Manual Roll Filter, Add	2,705.63	
		For Automatic Roll Filter, Add	2,942.54	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,284.16	
		For Electric Heating Coil, Add	2,231.80	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,231.80	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,994.89	
		For Steam Heating Coil, Aluminum Fins, Add	1,757.98	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,471.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,705.63	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,468.72	
		For Hot Water Heating Coil, Copper Fins, Add	1,757.98	
		For Variable Air Volume, Add	663.35	
		For Economizer, Panel, Controls And Damper(s), Add	1,337.17	
		For 2 Coils, Independent Circuits, Add	668.18	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,275.89	752.93
		For Flat Filter Box And Throwaway Filters, Add	573.82	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,115.38	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,667.69	
		For Manual Roll Filter, Add	2,967.82	
		For Automatic Roll Filter, Add	3,227.84	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,407.67	
		For Electric Heating Coil, Add	2,447.77	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,447.77	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,187.74	
		For Steam Heating Coil, Aluminum Fins, Add	1,927.72	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,613.92	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,967.82	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,707.79	
		For Hot Water Heating Coil, Copper Fins, Add	1,927.72	
		For Variable Air Volume, Add	728.07	
		For Economizer, Panel, Controls And Damper(s), Add	1,341.46	
		For 2 Coils, Independent Circuits, Add	731.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 6,873.79	807.22	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	629.72	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,224.84	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,831.49	
			<i>For Manual Roll Filter, Add</i>	3,261.63	
			<i>For Automatic Roll Filter, Add</i>	3,547.66	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,545.46	
			<i>For Electric Heating Coil, Add</i>	2,689.58	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,689.58	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,403.55	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,117.52	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,773.83	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,261.63	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,975.60	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,117.52	
			<i>For Variable Air Volume, Add</i>	800.88	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,384.28	
			<i>For 2 Coils, Independent Circuits, Add</i>	801.79	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 7,422.35	867.67	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	680.26	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,323.33	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,978.80	
			<i>For Manual Roll Filter, Add</i>	3,524.51	
			<i>For Automatic Roll Filter, Add</i>	3,833.65	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,669.66	
			<i>For Electric Heating Coil, Add</i>	2,906.23	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,906.23	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,597.08	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,287.94	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,916.83	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,524.51	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,215.37	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,287.94	
			<i>For Variable Air Volume, Add</i>	865.60	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,431.74	
			<i>For 2 Coils, Independent Circuits, Add</i>	865.89	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 8,007.58	933.62	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	734.08	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,428.15	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,135.56	
			<i>For Manual Roll Filter, Add</i>	3,804.05	
			<i>For Automatic Roll Filter, Add</i>	4,137.75	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,801.86	
			<i>For Electric Heating Coil, Add</i>	3,136.65	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,136.65	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,802.96	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,469.26	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,068.88	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,804.05	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,470.35	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,469.26	
			<i>For Variable Air Volume, Add</i>	934.36	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,483.47	
			<i>For 2 Coils, Independent Circuits, Add</i>	934.24	
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 9,315.66	1,080.69	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	854.38	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,662.44	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,485.94	
			<i>For Manual Roll Filter, Add</i>	4,428.91	
			<i>For Automatic Roll Filter, Add</i>	4,817.50	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,097.35	
			<i>For Electric Heating Coil, Add</i>	3,651.72	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,651.72	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,263.13	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,874.53	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,408.75	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,428.91	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,040.31	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,874.53	
			<i>For Variable Air Volume, Add</i>	1,088.06	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,599.08	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,087.00	
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 9,749.23	1,161.36	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	891.95	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,734.10	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,592.86	
			<i>For Manual Roll Filter, Add</i>	4,615.28	
			<i>For Automatic Roll Filter, Add</i>	5,019.76	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,188.38	
			<i>For Electric Heating Coil, Add</i>	3,806.31	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,806.31	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,401.83	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,997.34	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,509.88	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,615.28	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,210.80	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,997.34	
			<i>For Variable Air Volume, Add</i>	1,132.56	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,662.75	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,136.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,190.54	1,248.12
		For Flat Filter Box And Throwaway Filters, Add	929.90	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,806.31	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,700.55	
		For Manual Roll Filter, Add	4,802.42	
		For Automatic Roll Filter, Add	5,222.80	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,280.18	
		For Electric Heating Coil, Add	3,961.68	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,961.68	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,541.30	
		For Steam Heating Coil, Aluminum Fins, Add	3,120.93	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,611.40	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,802.42	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,382.05	
		For Hot Water Heating Coil, Copper Fins, Add	3,120.93	
		For Variable Air Volume, Add	1,177.05	
		For Economizer, Panel, Controls And Damper(s), Add	1,730.68	
		For 2 Coils, Independent Circuits, Add	1,187.20	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,160.01	1,440.91
		For Flat Filter Box And Throwaway Filters, Add	1,013.05	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,964.32	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,936.18	
		For Manual Roll Filter, Add	5,211.40	
		For Automatic Roll Filter, Add	5,666.45	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,481.13	
		For Electric Heating Coil, Add	4,301.31	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,301.31	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,846.27	
		For Steam Heating Coil, Aluminum Fins, Add	3,391.22	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,833.22	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,211.40	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,756.36	
		For Hot Water Heating Coil, Copper Fins, Add	3,391.22	
		For Variable Air Volume, Add	1,274.12	
		For Economizer, Panel, Controls And Damper(s), Add	1,763.65	
		For 2 Coils, Independent Circuits, Add	1,298.02	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,160.01	1,440.91
		For Flat Filter Box And Throwaway Filters, Add	1,013.05	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,964.32	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,936.18	
		For Manual Roll Filter, Add	5,211.40	
		For Automatic Roll Filter, Add	5,666.45	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,481.13	
		For Electric Heating Coil, Add	4,301.31	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,301.31	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,846.27	
		For Steam Heating Coil, Aluminum Fins, Add	3,391.22	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,833.22	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,211.40	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,756.36	
		For Hot Water Heating Coil, Copper Fins, Add	3,391.22	
		For Variable Air Volume, Add	1,274.12	
		For Economizer, Panel, Controls And Damper(s), Add	1,763.65	
		For 2 Coils, Independent Circuits, Add	1,298.02	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,216.87	1,655.02
		For Flat Filter Box And Throwaway Filters, Add	1,103.45	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,135.95	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,192.10	
		For Manual Roll Filter, Add	5,655.12	
		For Automatic Roll Filter, Add	6,147.73	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,699.50	
		For Electric Heating Coil, Add	4,669.92	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,669.92	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,177.31	
		For Steam Heating Coil, Aluminum Fins, Add	3,684.71	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,073.86	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,655.12	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,162.52	
		For Hot Water Heating Coil, Copper Fins, Add	3,684.71	
		For Variable Air Volume, Add	1,379.29	
		For Economizer, Panel, Controls And Damper(s), Add	1,885.92	
		For 2 Coils, Independent Circuits, Add	1,418.73	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,822.25	1,795.57
		For Flat Filter Box And Throwaway Filters, Add	1,153.94	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,230.91	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,333.54	
		For Manual Roll Filter, Add	5,897.68	
		For Automatic Roll Filter, Add	6,410.51	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,820.71	
		For Electric Heating Coil, Add	4,872.02	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,872.02	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,359.19	
		For Steam Heating Coil, Aluminum Fins, Add	3,846.37	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,205.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,897.68	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,384.85	
		For Hot Water Heating Coil, Copper Fins, Add	3,846.37	
		For Variable Air Volume, Add	1,435.92	
		For Economizer, Panel, Controls And Damper(s), Add	1,966.28	
		For 2 Coils, Independent Circuits, Add	1,487.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,416.97 1,203.90 2,325.12 3,473.91 6,139.17 6,672.22 2,940.85 5,073.06 5,073.06 4,540.01 4,006.96 3,336.11 6,139.17 5,606.12 4,006.96 1,492.55 2,042.37 1,554.92	1,929.01
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,014.80 1,254.02 2,419.56 3,614.60 6,380.98 6,934.26 3,061.32 5,274.43 5,274.43 4,721.15 4,167.87 3,467.13 6,380.98 5,827.70 4,167.87 1,549.17 2,119.75 1,622.80	2,064.98
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	14,703.30 1,311.56 2,527.85 3,775.89 6,657.84 7,234.23 3,199.50 5,505.06 5,505.06 4,928.67 4,352.28 3,617.12 6,657.84 6,081.45 4,352.28 1,613.89 2,210.20 1,700.89	2,222.77
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	15,400.93 1,369.55 2,636.77 3,938.11 6,935.62 7,535.13 3,338.60 5,736.62 5,736.62 5,137.11 4,537.61 3,767.56 6,935.62 6,336.12 4,537.61 1,678.61 2,203.26 1,779.89	2,381.57
23 73 13 00-0024	EA		8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,117.60 1,428.50 2,747.03 4,102.23 7,215.31 7,837.93 3,479.61 5,970.08 5,970.08 5,347.46 4,724.84 3,918.96 7,215.31 6,592.69 4,724.84 1,743.33 2,279.58 1,860.81	2,564.66

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA		9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	16,933.08 1,495.27 2,871.73 4,287.78 7,530.88 8,179.50 3,639.17 6,233.64 6,233.64 5,585.02 4,936.40 4,089.75 7,530.88 6,882.26 4,936.40 1,816.13 2,368.21 1,952.76	2,778.33
23 73 13 00-0026	EA		10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,731.08 1,561.18 2,995.19 4,471.59 7,844.70 8,519.32 3,796.97 6,495.46 6,495.46 5,820.84 5,146.22 4,259.66 7,844.70 7,170.08 5,146.22 1,888.94 2,451.60 2,042.96	2,966.35
23 73 13 00-0027	EA		11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	17,841.65 1,579.71 3,036.74 4,534.66 7,972.77 8,660.40 3,847.03 6,597.53 6,597.53 5,909.90 5,222.28 4,330.20 7,972.77 7,285.15 5,222.28 1,925.34 2,406.76 2,059.21	2,872.19
23 73 13 00-0028	EA		12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,563.87 1,628.82 3,121.09 4,658.89 8,162.01 8,862.63 3,958.26 6,760.76 6,760.76 6,060.13 5,359.51 4,431.32 8,162.01 7,461.38 5,359.51 1,961.75 2,545.41 2,136.64	3,186.62
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,564.55 1,720.75 3,300.06 4,926.53 8,639.11 9,381.63 4,184.01 7,154.08 7,154.08 6,411.56 5,669.04 4,690.82 8,639.11 7,896.60 5,669.04 2,079.05 2,342.84 2,253.46	3,314.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	20,610.50 1,814.94 3,482.20 5,198.69 9,120.74 9,905.16 4,414.28 7,551.92 7,551.92 6,767.51 5,983.10 4,952.58 9,120.74 8,336.33 5,983.10 2,196.35 2,384.46 2,374.81	3,442.98
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,729.98 1,918.68 3,684.51 5,501.32 9,661.73 10,493.81 4,669.24 7,997.57 7,997.57 7,165.49 6,333.41 5,246.91 9,661.73 8,829.65 6,333.41 2,329.83 2,417.67 2,505.83	3,575.40
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	22,889.92 2,024.25 3,889.65 5,808.00 10,206.77 11,086.52 4,928.25 8,447.26 8,447.26 7,567.51 6,687.76 5,543.26 10,206.77 9,327.02 6,687.76 2,463.31 2,458.97 2,640.89	3,707.97
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	25,559.80 2,271.87 4,373.26 7,525.36 10,904.53 11,500.86 4,543.73 4,941.28 8,519.23 7,525.36 6,531.48 5,253.49 10,506.98 9,513.11 7,525.36 2,782.85 2,729.40 2,953.53	3,975.21
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	28,389.07 2,531.79 4,879.30 8,400.56 12,182.49 12,849.89 5,063.57 5,508.50 9,512.90 8,400.56 7,288.23 5,868.78 11,737.56 10,625.23 8,400.56 3,114.53 2,809.93 3,283.84	4,284.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	31,496.21 2,821.49 5,446.10 9,383.01 13,621.72 14,369.72 5,642.98 6,141.65 10,629.69 9,383.01 8,136.33 6,561.52 13,123.05 11,876.37 9,383.01 3,490.70 2,883.46 3,648.29	4,590.42
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	38,956.28 3,542.64 6,873.48 11,869.74 17,292.14 18,249.04 7,085.27 7,723.20 13,464.57 11,869.74 10,274.92 8,327.11 16,654.21 15,059.39 11,869.74 4,465.50 2,970.47 4,533.56	4,943.77
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	43,589.51 3,982.32 7,738.66 13,373.17 19,502.84 20,584.54 7,964.64 8,685.78 15,176.01 13,373.17 11,570.33 9,390.85 18,781.70 16,978.86 13,373.17 5,047.96 2,894.90 5,080.09	5,276.74
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	47,781.84 4,372.51 8,501.61 14,695.27 21,438.89 22,628.94 8,745.02 9,538.38 16,678.69 14,695.27 12,711.85 10,322.76 20,645.52 18,662.10 14,695.27 5,553.57 2,982.03 5,571.55	5,682.27
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	52,441.76 4,803.41 9,342.37 16,150.80 23,567.31 24,876.10 9,606.83 10,479.36 18,332.13 16,150.80 13,969.48 11,347.39 22,694.78 20,513.45 16,150.80 6,107.71 3,087.29 6,116.71	7,008.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 56,468.07 For Flat Filter Box And Throwaway Filters, Add 5,179.52 For Medium Capacity Filter Box And Throwaway Filters, Add 10,078.68 For Combination Filter Mixing Box And Throwaway Filters, Add 17,427.41 For Manual Roll Filter, Add 25,438.22 For Automatic Roll Filter, Add 26,851.89 For Hot Water Heating Coil, Aluminum Fins, Add 10,359.05 For Electric Heating Coil, Add 11,301.50 For Chilled Water Cooling Coil, Aluminum Fins, Add 19,783.53 For Direct Expansion Cooling Coil, Aluminum Fins, Add 17,427.41 For Steam Heating Coil, Aluminum Fins, Add 15,071.29 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 12,247.88 For Chilled Water Cooling Coil, Copper Fins, Add 24,495.77 For Direct Expansion Cooling Coil, Copper Fins, Add 22,139.65 For Hot Water Heating Coil, Copper Fins, Add 17,427.41 For Variable Air Volume, Add 6,597.14 For Economizer, Panel, Controls And Damper(s), Add 3,166.85 For 2 Coils, Independent Circuits, Add 6,589.26	56,468.07	6,545.09
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 60,914.15 For Flat Filter Box And Throwaway Filters, Add 5,589.62 For Medium Capacity Filter Box And Throwaway Filters, Add 10,878.17 For Combination Filter Mixing Box And Throwaway Filters, Add 18,811.00 For Manual Roll Filter, Add 27,460.31 For Automatic Roll Filter, Add 28,986.66 For Hot Water Heating Coil, Aluminum Fins, Add 11,179.25 For Electric Heating Coil, Add 12,196.81 For Chilled Water Cooling Coil, Aluminum Fins, Add 21,354.91 For Direct Expansion Cooling Coil, Aluminum Fins, Add 18,811.00 For Steam Heating Coil, Aluminum Fins, Add 16,267.08 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 13,221.37 For Chilled Water Cooling Coil, Copper Fins, Add 26,442.74 For Direct Expansion Cooling Coil, Copper Fins, Add 23,898.83 For Hot Water Heating Coil, Copper Fins, Add 18,811.00 For Variable Air Volume, Add 7,122.96 For Economizer, Panel, Controls And Damper(s), Add 3,084.48 For 2 Coils, Independent Circuits, Add 7,108.98	60,914.15	7,001.64
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 65,752.20 For Flat Filter Box And Throwaway Filters, Add 6,035.21 For Medium Capacity Filter Box And Throwaway Filters, Add 11,746.42 For Combination Filter Mixing Box And Throwaway Filters, Add 20,313.24 For Manual Roll Filter, Add 29,655.09 For Automatic Roll Filter, Add 31,303.65 For Hot Water Heating Coil, Aluminum Fins, Add 12,070.43 For Electric Heating Coil, Add 13,169.47 For Chilled Water Cooling Coil, Aluminum Fins, Add 23,060.84 For Direct Expansion Cooling Coil, Aluminum Fins, Add 20,313.24 For Steam Heating Coil, Aluminum Fins, Add 17,565.63 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 14,278.02 For Chilled Water Cooling Coil, Copper Fins, Add 28,556.04 For Direct Expansion Cooling Coil, Copper Fins, Add 25,808.44 For Hot Water Heating Coil, Copper Fins, Add 20,313.24 For Variable Air Volume, Add 7,693.29 For Economizer, Panel, Controls And Damper(s), Add 3,180.02 For 2 Coils, Independent Circuits, Add 7,674.26	65,752.20	7,559.82
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 68,491.51 For Flat Filter Box And Throwaway Filters, Add 6,284.86 For Medium Capacity Filter Box And Throwaway Filters, Add 12,231.14 For Combination Filter Mixing Box And Throwaway Filters, Add 21,150.55 For Manual Roll Filter, Add 30,875.51 For Automatic Roll Filter, Add 32,591.68 For Hot Water Heating Coil, Aluminum Fins, Add 12,569.71 For Electric Heating Coil, Add 13,713.82 For Chilled Water Cooling Coil, Aluminum Fins, Add 24,010.83 For Direct Expansion Cooling Coil, Aluminum Fins, Add 21,150.55 For Steam Heating Coil, Aluminum Fins, Add 18,290.27 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 14,865.70 For Chilled Water Cooling Coil, Copper Fins, Add 29,731.40 For Direct Expansion Cooling Coil, Copper Fins, Add 26,871.11 For Hot Water Heating Coil, Copper Fins, Add 21,150.55 For Variable Air Volume, Add 8,008.79 For Economizer, Panel, Controls And Damper(s), Add 3,240.74 For 2 Coils, Independent Circuits, Add 7,993.26	68,491.51	7,914.90
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 71,076.13 For Flat Filter Box And Throwaway Filters, Add 6,520.99 For Medium Capacity Filter Box And Throwaway Filters, Add 12,690.00 For Combination Filter Mixing Box And Throwaway Filters, Add 21,943.51 For Manual Roll Filter, Add 32,031.93 For Automatic Roll Filter, Add 33,812.23 For Hot Water Heating Coil, Aluminum Fins, Add 13,041.97 For Electric Heating Coil, Add 14,228.85 For Chilled Water Cooling Coil, Aluminum Fins, Add 24,910.69 For Direct Expansion Cooling Coil, Aluminum Fins, Add 21,943.51 For Steam Heating Coil, Aluminum Fins, Add 18,976.33 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 15,422.53 For Chilled Water Cooling Coil, Copper Fins, Add 30,845.05 For Direct Expansion Cooling Coil, Copper Fins, Add 27,877.87 For Hot Water Heating Coil, Copper Fins, Add 21,943.51 For Variable Air Volume, Add 8,308.10 For Economizer, Panel, Controls And Damper(s), Add 3,296.57 For 2 Coils, Independent Circuits, Add 8,294.49	71,076.13	8,219.32

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	76,655.49 7,038.31 13,700.28 23,693.23 34,592.06 36,515.38 14,076.62 15,358.84 26,898.77 23,693.23 20,487.70 16,654.92 33,309.84 30,104.30 23,693.23 8,975.50 3,398.10 8,947.76	8,777.42
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	83,918.16 7,720.70 15,038.73 26,015.77 38,000.05 40,114.93 15,441.40 16,851.31 29,540.56 26,015.77 22,490.98 18,295.07 36,590.14 33,065.35 26,015.77 9,869.41 3,242.24 9,801.73	9,386.26
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	92,041.54 8,479.35 16,523.81 28,590.50 41,773.21 44,099.58 16,958.69 18,509.60 32,467.77 28,590.50 24,713.23 20,111.15 40,222.31 36,345.04 28,590.50 10,856.35 3,349.62 10,755.06	10,147.31
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	101,073.92 9,319.56 18,166.42 31,436.71 45,940.64 48,500.16 18,639.12 20,345.46 35,702.57 31,436.71 27,170.84 22,117.15 44,234.30 39,968.43 31,436.71 11,944.42 3,475.67 11,813.74	11,009.83
23 73 13 00-0049			Multi-Zone Units <small>(23 73 13)</small> Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	5,926.88 1,552.94 527.48 1,015.83 1,286.09 2,672.89 2,672.89 592.69 685.14 2,210.63 2,210.63 2,672.89 2,672.89 685.14	913.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,383.74	1,143.96
			For Economizer, Panel, Controls And Damper(s), Add	1,784.00	
			For Flat Filter Box And Throwaway Filters, Add	656.66	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,264.29	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,600.79	
			For Manual Roll Filter, Add	3,325.63	
			For Automatic Roll Filter, Add	3,325.63	
			For Hot Water Heating Coil, Aluminum Fins, Add	738.37	
			For Electric Heating Coil, Add	853.36	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,750.68	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,750.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	3,325.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,325.63	
			For 2 Coils, Independent Circuits, Add	853.36	
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,193.25	1,217.53
			For Economizer, Panel, Controls And Damper(s), Add	1,857.43	
			For Flat Filter Box And Throwaway Filters, Add	832.37	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,612.56	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,037.43	
			For Manual Roll Filter, Add	4,273.65	
			For Automatic Roll Filter, Add	4,273.65	
			For Hot Water Heating Coil, Aluminum Fins, Add	919.33	
			For Electric Heating Coil, Add	1,068.41	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,528.25	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,528.25	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,273.65	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,273.65	
			For 2 Coils, Independent Circuits, Add	1,068.41	
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,547.26	1,303.78
			For Economizer, Panel, Controls And Damper(s), Add	1,943.44	
			For Flat Filter Box And Throwaway Filters, Add	861.62	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,667.38	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,107.51	
			For Manual Roll Filter, Add	4,413.07	
			For Automatic Roll Filter, Add	4,413.07	
			For Hot Water Heating Coil, Aluminum Fins, Add	954.73	
			For Electric Heating Coil, Add	1,108.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,644.55	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,644.55	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,413.07	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,413.07	
			For 2 Coils, Independent Circuits, Add	1,108.43	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,213.17	1,397.65
			For Economizer, Panel, Controls And Damper(s), Add	2,037.70	
			For Flat Filter Box And Throwaway Filters, Add	1,021.48	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,983.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,503.79	
			For Manual Roll Filter, Add	5,268.72	
			For Automatic Roll Filter, Add	5,268.72	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,121.32	
			For Electric Heating Coil, Add	1,305.65	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,347.08	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,347.08	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,268.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,268.72	
			For 2 Coils, Independent Circuits, Add	1,305.65	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,816.80	1,496.72
			For Economizer, Panel, Controls And Damper(s), Add	2,136.65	
			For Flat Filter Box And Throwaway Filters, Add	1,074.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,085.41	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,633.49	
			For Manual Roll Filter, Add	5,537.11	
			For Automatic Roll Filter, Add	5,537.11	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,181.68	
			For Electric Heating Coil, Add	1,375.25	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,569.24	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,569.24	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,537.11	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,537.11	
			For 2 Coils, Independent Circuits, Add	1,375.25	
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,452.75	1,598.13
			For Economizer, Panel, Controls And Damper(s), Add	2,238.00	
			For Flat Filter Box And Throwaway Filters, Add	1,131.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,193.78	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,770.76	
			For Manual Roll Filter, Add	5,821.73	
			For Automatic Roll Filter, Add	5,821.73	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,245.28	
			For Electric Heating Coil, Add	1,448.67	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,804.74	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,804.74	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,821.73	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,821.73	
			For 2 Coils, Independent Circuits, Add	1,448.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,914.56	1,714.90
			For Economizer, Panel, Controls And Damper(s), Add	2,094.50	
			For Flat Filter Box And Throwaway Filters, Add	1,269.23	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,465.12	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,111.96	
			For Manual Roll Filter, Add	6,552.96	
			For Automatic Roll Filter, Add	6,552.96	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,391.46	
			For Electric Heating Coil, Add	1,620.86	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,405.96	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,405.96	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,552.96	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,552.96	
			For 2 Coils, Independent Circuits, Add	1,620.86	
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,220.53	1,836.52
			For Economizer, Panel, Controls And Damper(s), Add	2,193.06	
			For Flat Filter Box And Throwaway Filters, Add	1,390.87	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,703.02	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,411.57	
			For Manual Roll Filter, Add	7,190.61	
			For Automatic Roll Filter, Add	7,190.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,522.05	
			For Electric Heating Coil, Add	1,773.99	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,930.93	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,930.93	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,190.61	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,190.61	
			For 2 Coils, Independent Circuits, Add	1,773.99	
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,085.98	1,961.48
			For Economizer, Panel, Controls And Damper(s), Add	2,287.68	
			For Flat Filter Box And Throwaway Filters, Add	1,468.81	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,853.74	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,602.13	
			For Manual Roll Filter, Add	7,589.18	
			For Automatic Roll Filter, Add	7,589.18	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,608.60	
			For Electric Heating Coil, Add	1,874.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,260.16	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,260.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,589.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,589.18	
			For 2 Coils, Independent Circuits, Add	1,874.40	
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,758.75	2,095.57
			For Economizer, Panel, Controls And Damper(s), Add	2,397.29	
			For Flat Filter Box And Throwaway Filters, Add	1,626.12	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,162.39	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,990.43	
			For Manual Roll Filter, Add	8,419.53	
			For Automatic Roll Filter, Add	8,419.53	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,775.88	
			For Electric Heating Coil, Add	2,071.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,943.16	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,943.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,419.53	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,419.53	
			For 2 Coils, Independent Circuits, Add	2,071.15	
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,891.78	2,242.70
			For Economizer, Panel, Controls And Damper(s), Add	2,511.96	
			For Flat Filter Box And Throwaway Filters, Add	1,729.00	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,361.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,242.41	
			For Manual Roll Filter, Add	8,948.87	
			For Automatic Roll Filter, Add	8,948.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,889.18	
			For Electric Heating Coil, Add	2,202.94	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,380.05	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,380.05	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,948.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,948.87	
			For 2 Coils, Independent Circuits, Add	2,202.94	
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	20,724.65	2,435.36
			For Economizer, Panel, Controls And Damper(s), Add	2,661.96	
			For Flat Filter Box And Throwaway Filters, Add	1,898.65	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,693.01	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,659.72	
			For Manual Roll Filter, Add	9,834.23	
			For Automatic Roll Filter, Add	9,834.23	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,072.47	
			For Electric Heating Coil, Add	2,417.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,109.39	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,109.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,834.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,834.23	
			For 2 Coils, Independent Circuits, Add	2,417.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,265.37	2,623.15
			For Economizer, Panel, Controls And Damper(s), Add	2,810.18	
			For Flat Filter Box And Throwaway Filters, Add	2,039.25	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,966.12	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,004.48	
			For Manual Roll Filter, Add	10,560.35	
			For Automatic Roll Filter, Add	10,560.35	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,226.54	
			For Electric Heating Coil, Add	2,596.93	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,708.39	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,708.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,560.35	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,560.35	
			For 2 Coils, Independent Circuits, Add	2,596.93	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,343.23	2,836.18
			For Economizer, Panel, Controls And Damper(s), Add	2,557.42	
			For Flat Filter Box And Throwaway Filters, Add	2,132.15	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,142.98	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,229.27	
			For Manual Roll Filter, Add	11,019.17	
			For Automatic Roll Filter, Add	11,019.17	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,334.32	
			For Electric Heating Coil, Add	2,720.32	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,089.21	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,089.21	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,019.17	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,019.17	
			For 2 Coils, Independent Circuits, Add	2,720.32	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,926.13	3,059.27
			For Economizer, Panel, Controls And Damper(s), Add	2,689.16	
			For Flat Filter Box And Throwaway Filters, Add	2,373.97	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,616.75	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,825.60	
			For Manual Roll Filter, Add	12,291.57	
			For Automatic Roll Filter, Add	12,291.57	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,592.61	
			For Electric Heating Coil, Add	3,023.68	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,136.24	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,136.24	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,291.57	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,291.57	
			For 2 Coils, Independent Circuits, Add	3,023.68	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,278.64	3,297.73
			For Economizer, Panel, Controls And Damper(s), Add	2,825.68	
			For Flat Filter Box And Throwaway Filters, Add	2,492.15	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,842.88	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,112.53	
			For Manual Roll Filter, Add	12,881.86	
			For Automatic Roll Filter, Add	12,881.86	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,727.86	
			For Electric Heating Coil, Add	3,179.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,625.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,625.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,881.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,881.86	
			For 2 Coils, Independent Circuits, Add	3,179.15	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,777.58	3,571.86
			For Economizer, Panel, Controls And Damper(s), Add	2,974.55	
			For Flat Filter Box And Throwaway Filters, Add	2,623.44	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,094.29	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,431.44	
			For Manual Roll Filter, Add	13,538.80	
			For Automatic Roll Filter, Add	13,538.80	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,877.76	
			For Electric Heating Coil, Add	3,351.58	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,169.68	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,169.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,538.80	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,538.80	
			For 2 Coils, Independent Circuits, Add	3,351.58	
23 73 13 00-0068	EA		10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,387.62	3,855.76
			For Economizer, Panel, Controls And Damper(s), Add	2,833.56	
			For Flat Filter Box And Throwaway Filters, Add	2,763.17	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,360.98	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,770.13	
			For Manual Roll Filter, Add	14,232.86	
			For Automatic Roll Filter, Add	14,232.86	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,038.76	
			For Electric Heating Coil, Add	3,536.28	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,745.28	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,745.28	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,232.86	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,232.86	
			For 2 Coils, Independent Circuits, Add	3,536.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,229.17	4,003.12
		For Economizer, Panel, Controls And Damper(s), Add	2,899.67	
		For Flat Filter Box And Throwaway Filters, Add	2,836.31	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,500.65	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,947.46	
		For Manual Roll Filter, Add	14,596.54	
		For Automatic Roll Filter, Add	14,596.54	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,122.92	
		For Electric Heating Coil, Add	3,632.86	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,046.85	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,046.85	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,596.54	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,596.54	
		For 2 Coils, Independent Circuits, Add	3,632.86	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,037.60	4,145.97
		For Economizer, Panel, Controls And Damper(s), Add	2,955.84	
		For Flat Filter Box And Throwaway Filters, Add	2,907.79	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,637.99	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,121.48	
		For Manual Roll Filter, Add	14,956.91	
		For Automatic Roll Filter, Add	14,956.91	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,203.76	
		For Electric Heating Coil, Add	3,726.12	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	12,345.10	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,345.10	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,956.91	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,956.91	
		For 2 Coils, Independent Circuits, Add	3,726.12	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,340.30	4,312.61
		For Economizer, Panel, Controls And Damper(s), Add	2,635.47	
		For Flat Filter Box And Throwaway Filters, Add	3,325.16	
		For Medium Capacity Filter Box And Throwaway Filters, Add	6,465.01	
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,158.47	
		For Manual Roll Filter, Add	17,207.36	
		For Automatic Roll Filter, Add	17,207.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,634.03	
		For Electric Heating Coil, Add	4,237.29	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	14,191.07	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,191.07	
		For Chilled Water Cooling Coil, Copper Fins, Add	17,207.36	
		For Direct Expansion Cooling Coil, Copper Fins, Add	17,207.36	
		For 2 Coils, Independent Circuits, Add	4,237.29	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,615.72	4,483.44
		For Economizer, Panel, Controls And Damper(s), Add	2,856.39	
		For Flat Filter Box And Throwaway Filters, Add	3,741.18	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,290.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,192.74	
		For Manual Roll Filter, Add	19,455.08	
		For Automatic Roll Filter, Add	19,455.08	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,061.57	
		For Electric Heating Coil, Add	4,745.73	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	16,034.30	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,034.30	
		For Chilled Water Cooling Coil, Copper Fins, Add	19,455.08	
		For Direct Expansion Cooling Coil, Copper Fins, Add	19,455.08	
		For 2 Coils, Independent Circuits, Add	4,745.73	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,874.56	4,652.54
		For Economizer, Panel, Controls And Damper(s), Add	2,897.50	
		For Flat Filter Box And Throwaway Filters, Add	4,355.31	
		For Medium Capacity Filter Box And Throwaway Filters, Add	8,511.34	
		For Combination Filter Mixing Box And Throwaway Filters, Add	10,722.21	
		For Manual Roll Filter, Add	22,791.73	
		For Automatic Roll Filter, Add	22,791.73	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,687.46	
		For Electric Heating Coil, Add	5,492.09	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	18,768.56	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,768.56	
		For Chilled Water Cooling Coil, Copper Fins, Add	22,791.73	
		For Direct Expansion Cooling Coil, Copper Fins, Add	22,791.73	
		For 2 Coils, Independent Circuits, Add	5,492.09	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	53,136.73	4,819.97
		For Economizer, Panel, Controls And Damper(s), Add	2,939.19	
		For Flat Filter Box And Throwaway Filters, Add	4,969.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	9,732.81	
		For Combination Filter Mixing Box And Throwaway Filters, Add	12,252.02	
		For Manual Roll Filter, Add	26,128.72	
		For Automatic Roll Filter, Add	26,128.72	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,313.67	
		For Electric Heating Coil, Add	6,238.79	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	21,503.15	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,503.15	
		For Chilled Water Cooling Coil, Copper Fins, Add	26,128.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	26,128.72	
		For 2 Coils, Independent Circuits, Add	6,238.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	59,728.84	5,225.87
			For Economizer, Panel, Controls And Damper(s), Add	3,041.15	
			For Flat Filter Box And Throwaway Filters, Add	5,599.70	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,362.23	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,812.65	
			For Manual Roll Filter, Add	21,652.42	
			For Automatic Roll Filter, Add	26,878.94	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,972.88	
			For Electric Heating Coil, Add	7,018.19	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,652.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,652.42	
			For Steam Heating Coil, Aluminum Fins, Add	11,199.40	
			For Chilled Water Cooling Coil, Copper Fins, Add	26,878.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,878.94	
			For 2 Coils, Independent Circuits, Add	7,018.19	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	64,412.20	5,682.50
			For Economizer, Panel, Controls And Damper(s), Add	2,976.00	
			For Flat Filter Box And Throwaway Filters, Add	6,037.55	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,015.96	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,892.05	
			For Manual Roll Filter, Add	23,342.88	
			For Automatic Roll Filter, Add	28,976.76	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,441.22	
			For Electric Heating Coil, Add	7,568.00	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	23,342.88	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,342.88	
			For Steam Heating Coil, Aluminum Fins, Add	12,075.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	28,976.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	28,976.76	
			For 2 Coils, Independent Circuits, Add	7,568.00	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	77,067.89	6,138.90
			For Economizer, Panel, Controls And Damper(s), Add	3,080.18	
			For Flat Filter Box And Throwaway Filters, Add	7,268.40	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,858.75	
			For Combination Filter Mixing Box And Throwaway Filters, Add	17,951.79	
			For Manual Roll Filter, Add	28,196.80	
			For Automatic Roll Filter, Add	35,026.80	
			For Hot Water Heating Coil, Aluminum Fins, Add	7,706.79	
			For Electric Heating Coil, Add	9,072.79	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	28,196.80	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	28,196.80	
			For Steam Heating Coil, Aluminum Fins, Add	14,536.79	
			For Chilled Water Cooling Coil, Copper Fins, Add	35,026.80	
			For Direct Expansion Cooling Coil, Copper Fins, Add	35,026.80	
			For 2 Coils, Independent Circuits, Add	9,072.79	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	87,229.13	6,646.49
			For Economizer, Panel, Controls And Damper(s), Add	3,187.23	
			For Flat Filter Box And Throwaway Filters, Add	8,248.84	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,325.85	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,385.06	
			For Manual Roll Filter, Add	32,047.20	
			For Automatic Roll Filter, Add	39,821.97	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,722.91	
			For Electric Heating Coil, Add	10,277.87	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,047.20	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,047.20	
			For Steam Heating Coil, Aluminum Fins, Add	16,497.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	39,821.97	
			For Direct Expansion Cooling Coil, Copper Fins, Add	39,821.97	
			For 2 Coils, Independent Circuits, Add	10,277.87	
23 73 13 00-0079	EA		30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	94,559.51	7,154.07
			For Economizer, Panel, Controls And Damper(s), Add	3,298.69	
			For Flat Filter Box And Throwaway Filters, Add	8,944.72	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,365.96	
			For Combination Filter Mixing Box And Throwaway Filters, Add	22,106.19	
			For Manual Roll Filter, Add	34,756.43	
			For Automatic Roll Filter, Add	43,189.93	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,455.95	
			For Electric Heating Coil, Add	11,142.65	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	34,756.43	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,756.43	
			For Steam Heating Coil, Aluminum Fins, Add	17,889.45	
			For Chilled Water Cooling Coil, Copper Fins, Add	43,189.93	
			For Direct Expansion Cooling Coil, Copper Fins, Add	43,189.93	
			For 2 Coils, Independent Circuits, Add	11,142.65	
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	105,556.55	8,371.31
			For Economizer, Panel, Controls And Damper(s), Add	3,323.42	
			For Flat Filter Box And Throwaway Filters, Add	9,958.29	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,877.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,597.03	
			For Manual Roll Filter, Add	38,638.41	
			For Automatic Roll Filter, Add	47,999.33	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,555.66	
			For Electric Heating Coil, Add	12,427.84	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	38,638.41	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,638.41	
			For Steam Heating Coil, Aluminum Fins, Add	19,916.57	
			For Chilled Water Cooling Coil, Copper Fins, Add	47,999.33	
			For Direct Expansion Cooling Coil, Copper Fins, Add	47,999.33	
			For 2 Coils, Independent Circuits, Add	12,427.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	106,003.40	8,675.95
		For Economizer, Panel, Controls And Damper(s), Add	3,379.28	
		For Flat Filter Box And Throwaway Filters, Add	9,980.63	
		For Medium Capacity Filter Box And Throwaway Filters, Add	14,908.97	
		For Combination Filter Mixing Box And Throwaway Filters, Add	24,641.72	
		For Manual Roll Filter, Add	38,683.09	
		For Automatic Roll Filter, Add	48,044.01	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,600.34	
		For Electric Heating Coil, Add	12,472.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	38,683.09	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,683.09	
		For Steam Heating Coil, Aluminum Fins, Add	19,961.26	
		For Chilled Water Cooling Coil, Copper Fins, Add	48,044.01	
		For Direct Expansion Cooling Coil, Copper Fins, Add	48,044.01	
		For 2 Coils, Independent Circuits, Add	12,472.52	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	110,899.57	8,980.07
		For Economizer, Panel, Controls And Damper(s), Add	3,435.13	
		For Flat Filter Box And Throwaway Filters, Add	10,447.90	
		For Medium Capacity Filter Box And Throwaway Filters, Add	15,607.65	
		For Combination Filter Mixing Box And Throwaway Filters, Add	25,798.73	
		For Manual Roll Filter, Add	40,507.51	
		For Automatic Roll Filter, Add	50,313.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,089.96	
		For Electric Heating Coil, Add	13,051.13	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	40,507.51	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	40,507.51	
		For Steam Heating Coil, Aluminum Fins, Add	20,895.81	
		For Chilled Water Cooling Coil, Copper Fins, Add	50,313.36	
		For Direct Expansion Cooling Coil, Copper Fins, Add	50,313.36	
		For 2 Coils, Independent Circuits, Add	13,051.13	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	115,952.17	9,639.95
		For Economizer, Panel, Controls And Damper(s), Add	3,550.27	
		For Flat Filter Box And Throwaway Filters, Add	10,907.11	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,291.85	
		For Combination Filter Mixing Box And Throwaway Filters, Add	26,923.72	
		For Manual Roll Filter, Add	42,252.22	
		For Automatic Roll Filter, Add	52,471.23	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,595.22	
		For Electric Heating Coil, Add	13,639.02	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	42,252.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	42,252.22	
		For Steam Heating Coil, Aluminum Fins, Add	21,814.22	
		For Chilled Water Cooling Coil, Copper Fins, Add	52,471.23	
		For Direct Expansion Cooling Coil, Copper Fins, Add	52,471.23	
		For 2 Coils, Independent Circuits, Add	13,639.02	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	125,058.42	10,147.31
		For Economizer, Panel, Controls And Damper(s), Add	3,634.00	
		For Flat Filter Box And Throwaway Filters, Add	11,784.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	17,604.20	
		For Combination Filter Mixing Box And Throwaway Filters, Add	29,099.80	
		For Manual Roll Filter, Add	45,693.77	
		For Automatic Roll Filter, Add	56,756.41	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,505.84	
		For Electric Heating Coil, Add	14,718.37	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	45,693.77	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	45,693.77	
		For Steam Heating Coil, Aluminum Fins, Add	23,568.48	
		For Chilled Water Cooling Coil, Copper Fins, Add	56,756.41	
		For Direct Expansion Cooling Coil, Copper Fins, Add	56,756.41	
		For 2 Coils, Independent Circuits, Add	14,718.37	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	134,491.23	10,705.42
		For Economizer, Panel, Controls And Damper(s), Add	3,431.29	
		For Flat Filter Box And Throwaway Filters, Add	12,683.48	
		For Medium Capacity Filter Box And Throwaway Filters, Add	18,948.65	
		For Combination Filter Mixing Box And Throwaway Filters, Add	31,325.88	
		For Manual Roll Filter, Add	49,202.63	
		For Automatic Roll Filter, Add	61,120.47	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,449.12	
		For Electric Heating Coil, Add	15,832.69	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	49,202.63	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	49,202.63	
		For Steam Heating Coil, Aluminum Fins, Add	25,366.96	
		For Chilled Water Cooling Coil, Copper Fins, Add	61,120.47	
		For Direct Expansion Cooling Coil, Copper Fins, Add	61,120.47	
		For 2 Coils, Independent Circuits, Add	15,832.69	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	144,939.70	11,364.98
		For Economizer, Panel, Controls And Damper(s), Add	3,522.71	
		For Flat Filter Box And Throwaway Filters, Add	13,682.62	
		For Medium Capacity Filter Box And Throwaway Filters, Add	20,442.79	
		For Combination Filter Mixing Box And Throwaway Filters, Add	33,800.86	
		For Manual Roll Filter, Add	53,107.76	
		For Automatic Roll Filter, Add	65,979.02	
		For Hot Water Heating Coil, Aluminum Fins, Add	14,493.97	
		For Electric Heating Coil, Add	17,068.22	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	53,107.76	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	53,107.76	
		For Steam Heating Coil, Aluminum Fins, Add	27,365.23	
		For Chilled Water Cooling Coil, Copper Fins, Add	65,979.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	65,979.02	
		For 2 Coils, Independent Circuits, Add	17,068.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	155,667.98	11,669.41
			For Economizer, Panel, Controls And Damper(s), Add	3,564.10	
			For Flat Filter Box And Throwaway Filters, Add	14,734.75	
			For Medium Capacity Filter Box And Throwaway Filters, Add	22,018.92	
			For Combination Filter Mixing Box And Throwaway Filters, Add	36,420.84	
			For Manual Roll Filter, Add	57,274.89	
			For Automatic Roll Filter, Add	71,177.59	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,566.80	
			For Electric Heating Coil, Add	18,347.34	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	57,274.89	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	57,274.89	
			For Steam Heating Coil, Aluminum Fins, Add	29,469.50	
			For Chilled Water Cooling Coil, Copper Fins, Add	71,177.59	
			For Direct Expansion Cooling Coil, Copper Fins, Add	71,177.59	
			For 2 Coils, Independent Circuits, Add	18,347.34	

23 73 13 00-0088 Return/Supply Air Fan (23 73 13)

Note: Includes vibration mounts.

23 73 13 00-0089	EA		300 CFM Return Air Fan.....	2,558.13	405.82
23 73 13 00-0090	EA		500 CFM Return Air Fan.....	3,331.65	487.00
23 73 13 00-0091	EA		750 CFM Return Air Fan.....	3,480.58	507.29
23 73 13 00-0092	EA		1,000 CFM Return Air Fan.....	3,988.03	537.74
23 73 13 00-0093	EA		1,250 CFM Return Air Fan.....	4,106.12	563.10
23 73 13 00-0094	EA		1,500 CFM Return Air Fan.....	4,196.86	588.47
23 73 13 00-0095	EA		1,750 CFM Return Air Fan.....	4,404.16	618.91
23 73 13 00-0096	EA		2,000 CFM Return Air Fan.....	4,911.61	649.35
23 73 13 00-0097	EA		2,250 CFM Return Air Fan.....	5,146.12	679.80
23 73 13 00-0098	EA		2,500 CFM Return Air Fan.....	5,271.49	710.24
23 73 13 00-0099	EA		3,000 CFM Return Air Fan.....	5,571.02	786.34
23 73 13 00-0100	EA		3,500 CFM Return Air Fan.....	5,711.01	826.93
23 73 13 00-0101	EA		4,000 CFM Return Air Fan.....	5,843.58	862.45
23 73 13 00-0102	EA		4,500 CFM Return Air Fan.....	6,010.86	903.11
23 73 13 00-0103	EA		5,000 CFM Return Air Fan.....	6,157.86	948.78
23 73 13 00-0104	EA		5,500 CFM Return Air Fan.....	6,426.34	1,060.40
23 73 13 00-0105	EA		6,000 CFM Return Air Fan.....	7,282.02	1,258.27
23 73 13 00-0106	EA		6,500 CFM Return Air Fan.....	7,475.19	1,278.56
23 73 13 00-0107	EA		7,000 CFM Return Air Fan.....	7,563.99	1,283.63
23 73 13 00-0108	EA		8,000 CFM Return Air Fan.....	7,975.46	1,303.93
23 73 13 00-0109	EA		9,000 CFM Return Air Fan.....	8,158.54	1,319.15
23 73 13 00-0110	EA		10,000 CFM Return Air Fan.....	8,588.27	1,370.10
23 73 13 00-0111	EA		12,500 CFM Return Air Fan.....	9,168.98	1,395.18
23 73 13 00-0112	EA		15,000 CFM Return Air Fan.....	10,400.08	1,434.82
23 73 13 00-0113	EA		17,500 CFM Return Air Fan.....	11,355.97	1,511.88
23 73 13 00-0114	EA		20,000 CFM Return Air Fan.....	13,578.41	1,577.69
23 73 13 00-0115	EA		22,500 CFM Return Air Fan.....	14,235.06	1,632.71
23 73 13 00-0116	EA		25,000 CFM Return Air Fan.....	14,893.34	1,679.38
23 73 13 00-0117	EA		27,500 CFM Return Air Fan.....	15,762.93	1,846.81
23 73 13 00-0118	EA		30,000 CFM Return Air Fan.....	16,862.27	1,948.13
23 73 13 00-0119	EA		35,000 CFM Return Air Fan.....	19,080.20	2,029.24
23 73 13 00-0120	EA		40,000 CFM Return Air Fan.....	22,535.69	2,232.19
23 73 13 00-0121	EA		45,000 CFM Return Air Fan.....	27,799.99	2,536.61
23 73 13 00-0122	EA		50,000 CFM Return Air Fan.....	33,989.06	2,628.15
23 73 13 00-0123	EA		55,000 CFM Return Air Fan.....	35,594.85	2,704.04
23 73 13 00-0124	EA		60,000 CFM Return Air Fan.....	36,409.92	2,775.07
23 73 13 00-0125	EA		65,000 CFM Return Air Fan.....	38,189.56	2,896.77
23 73 13 00-0126	EA		70,000 CFM Return Air Fan.....	40,112.93	3,039.41
23 73 13 00-0127	EA		75,000 CFM Return Air Fan.....	43,169.12	3,188.50
23 73 13 00-0128	EA		80,000 CFM Return Air Fan.....	45,075.12	3,357.53
23 73 13 00-0129	EA		90,000 CFM Return Air Fan.....	46,516.98	3,548.73
23 73 13 00-0130	EA		100,000 CFM Return Air Fan.....	50,050.31	3,711.16
23 73 13 00-0131	EA		115,000 CFM Return Air Fan.....	53,878.70	3,888.66
23 73 13 00-0132	EA		130,000 CFM Return Air Fan.....	58,032.78	4,084.58
23 73 13 00-0133	EA		150,000 CFM Return Air Fan.....	63,553.50	4,302.16

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	1,858.48	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	2,521.07	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	3,136.19	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit	5,722.17	

23 74 Packaged Outdoor HVAC Equipment (23 70)

23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	4,128.06	1,237.90
			<i>For Unit Without Heat, Deduct</i>	-288.93	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,441.33	1,294.16
			<i>For Unit Without Heat, Deduct</i>	-358.34	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,400.96	1,350.44
			<i>For Unit Without Heat, Deduct</i>	-410.08	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,663.60	1,434.83
			<i>For Unit Without Heat, Deduct</i>	-478.84	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0006	EA		6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,358.78	1,519.24
			<i>For Unit Without Heat, Deduct</i>	-519.22	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0007	EA		7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,382.81	1,631.77
			<i>For Unit Without Heat, Deduct</i>	-577.93	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0008	EA		8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,077.98	1,716.18
			<i>For Unit Without Heat, Deduct</i>	-618.31	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0009	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,102.00	1,828.72
			<i>For Unit Without Heat, Deduct</i>	-677.01	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-795.67	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0010	EA		12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	13,502.86	1,976.14
			<i>For Unit Without Heat, Deduct</i>	-806.90	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-859.32	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,903.73	2,124.12
			<i>For Unit Without Heat, Deduct</i>	-936.79	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,228.60	2,271.73
			<i>For Unit Without Heat, Deduct</i>	-1,062.89	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,553.47	2,419.53
			<i>For Unit Without Heat, Deduct</i>	-1,188.98	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,060.28	2,665.61
			<i>For Unit Without Heat, Deduct</i>	-1,330.73	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	25,567.12	2,911.88
			<i>For Unit Without Heat, Deduct</i>	-1,472.48	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,162.12	3,186.28
			<i>For Unit Without Heat, Deduct</i>	-1,620.52	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,757.13	3,460.49
			<i>For Unit Without Heat, Deduct</i>	-1,768.56	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,832.64	4,037.23
			<i>For Unit Without Heat, Deduct</i>	-2,060.78	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	40,908.17	4,613.99
			<i>For Unit Without Heat, Deduct</i>	-2,353.01	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0020	EA		45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	44,938.48	5,204.80
			<i>For Unit Without Heat, Deduct</i>	-2,593.91	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	48,968.79	5,795.61
			<i>For Unit Without Heat, Deduct</i>	-2,834.81	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	53,924.23	6,358.30
			<i>For Unit Without Heat, Deduct</i>	-3,120.10	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,760.63	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	58,879.67	6,920.98
			<i>For Unit Without Heat, Deduct</i>	-3,405.38	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,760.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	63,683.11	7,483.66
			<i>For Unit Without Heat, Deduct</i>	-3,683.07	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,049.40	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	68,486.56	8,046.34
			<i>For Unit Without Heat, Deduct</i>	-3,960.75	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,049.40	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	73,365.02	8,665.29
			<i>For Unit Without Heat, Deduct</i>	-4,245.94	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,283.25	
23 74 16 13-0027			Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,225.35	1,125.36
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,812.32	1,294.16
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,979.64	1,491.11
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,901.38	1,603.64
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,762.04	1,730.25
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-762.28	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,513.22	1,814.64
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,270.77	1,505.18
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-778.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,998.94	2,025.66
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-795.67	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	14,208.58	2,194.46
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-859.32	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,307.53	2,363.26
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,277.68	2,532.07
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	28,508.12	2,700.87
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	34,950.32	2,982.21
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,392.52	3,226.04
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	42,565.94	3,544.89
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	43,739.36	3,826.23
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	48,912.96	4,473.32
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	54,086.55	5,120.39
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	58,195.75	5,767.48
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	62,304.95	6,414.57
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	68,223.63	7,061.65
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,760.63	
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	74,142.31	7,708.73
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,760.63	
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	79,496.55	8,032.27
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,624.37	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,049.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	84,832.03 -1,624.37 -2,049.40	8,341.75
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	90,186.27 -1,624.37 -2,283.25	8,665.29
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	95,559.26 -1,624.37 -2,283.25	9,002.90
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	130,656.34 -1,624.37 -2,283.25	10,578.41
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	150,230.53 -1,624.37 -2,283.25	12,885.40
23 74 16 13-0056			Heat Pump, Packaged Rooftop Heat Pump Units (23 74 16 13) See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057			Packaged Rooftop Heat Pump Units (23 74 16 13-0056) Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0058	EA		2 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	5,404.31 1,526.53 202.69 -564.69	1,012.83
23 74 16 13-0059	EA		2.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	5,683.79 1,614.59 211.60 -564.69	1,088.83
23 74 16 13-0060	EA		3 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	6,007.81 1,712.01 222.74 -564.69	1,164.75
23 74 16 13-0061	EA		3.5 Ton Packaged Rooftop Heat Pump <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	6,445.98 238.74 -564.69 1,647.30	1,253.35
23 74 16 13-0062	EA		4 Ton Packaged Rooftop Heat Pump <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	6,884.36 254.75 -564.69 1,760.82	1,342.03
23 74 16 13-0063	EA		5 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	7,377.25 -564.69 1,889.17 218.12	1,443.32
23 74 16 13-0064	EA		6 Ton Packaged Rooftop Heat Pump <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	8,319.16 187.29 -564.69 2,099.43	1,557.20
23 74 16 13-0065	EA		7.5 Ton Packaged Rooftop Heat Pump <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	10,805.01 258.82 -677.63 2,124.08	1,633.20
23 74 16 13-0066	EA		8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	12,105.07 2,246.65 292.76 -677.63	1,759.77
23 74 16 13-0067	EA		10 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	13,035.29 -677.63 2,275.84 212.09	1,823.09
23 74 16 13-0068	EA		12.5 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	15,162.49 -677.63 2,569.59 250.58	1,975.01
23 74 16 13-0069	EA		15 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	17,289.70 -677.63 2,863.34 289.08	2,126.93
23 74 16 13-0070	EA		17.5 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	19,394.07 -677.63 3,154.80 327.11	2,278.86
23 74 16 13-0071	EA		20 Ton Packaged Rooftop Heat Pump <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	21,498.44 -677.63 3,446.26 365.15	2,430.78
23 74 16 13-0072			Heating Only Packaged Rooftop Units (23 74 16 13-0056) Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0073	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit <i>For Gas Heat, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	4,661.50 299.30 -564.69	1,012.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0074	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	5,476.10	1,164.75
			<i>For Gas Heat, Add</i>	352.27	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0075	EA		45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,488.36	1,342.03
			<i>For Gas Heat, Add</i>	488.40	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0076	EA		60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,446.15	1,443.32
			<i>For Gas Heat, Add</i>	552.74	
			<i>For Unit Without Roof Curb, Deduct</i>	-564.69	
23 74 16 13-0077	EA		95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	9,923.44	1,633.20
			<i>For Gas Heat, Add</i>	651.09	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0078	EA		112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,175.86	1,759.77
			<i>For Gas Heat, Add</i>	735.38	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0079	EA		140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,218.80	1,823.09
			<i>For Gas Heat, Add</i>	876.70	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0080	EA		170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,163.76	2,126.93
			<i>For Gas Heat, Add</i>	1,144.74	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0081	EA		200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	22,653.97	2,278.86
			<i>For Gas Heat, Add</i>	1,525.01	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0082	EA		230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,438.49	2,430.78
			<i>For Gas Heat, Add</i>	1,785.87	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0083	EA		270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	34,365.44	2,683.99
			<i>For Gas Heat, Add</i>	2,334.01	
			<i>For Unit Without Roof Curb, Deduct</i>	-677.63	
23 74 16 13-0084	EA		330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	42,973.15	3,415.48
			<i>For Gas Heat, Add</i>	2,923.04	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0085	EA		360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	52,862.65	3,443.61
			<i>For Gas Heat, Add</i>	3,608.56	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0086	EA		450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	64,385.03	4,026.02
			<i>For Gas Heat, Add</i>	4,399.59	
			<i>For Unit Without Roof Curb, Deduct</i>	-932.04	
23 74 16 13-0087	EA		540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	83,506.69	5,190.77
			<i>For Gas Heat, Add</i>	5,707.05	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,416.04	
23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)					
23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)					
23 74 23 13-0001	Make-Up Air Units (23 74 23 13) Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.				
23 74 23 13-0002	Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.				
23 74 23 13-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	5,421.72	337.61
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,457.71	
			<i>For Equipment Base Roof Curb, Add</i>	660.83	
23 74 23 13-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	7,017.48	382.62
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,912.06	
			<i>For Equipment Base Roof Curb, Add</i>	857.87	
23 74 23 13-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	9,781.73	450.15
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,709.45	
			<i>For Equipment Base Roof Curb, Add</i>	1,200.21	
23 74 23 13-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	9,856.54	480.16
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,715.01	
			<i>For Equipment Base Roof Curb, Add</i>	1,207.87	
23 74 23 13-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	13,493.62	540.18
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,778.00	
			<i>For Equipment Base Roof Curb, Add</i>	1,659.69	
23 74 23 13-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,488.22	675.22
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,808.86	
			<i>For Equipment Base Roof Curb, Add</i>	2,527.27	
23 74 23 13-0009	Electric Make-Up Air Units (23 74 23 13-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.				
23 74 23 13-0010	EA		33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	11,266.29	337.61
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,211.08	
			<i>For Equipment Base Roof Curb, Add</i>	1,391.41	
23 74 23 13-0011	EA		100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	16,138.91	382.62
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,648.49	
			<i>For Equipment Base Roof Curb, Add</i>	1,998.05	
23 74 23 13-0012	EA		150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	20,004.15	450.15
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,776.17	
			<i>For Equipment Base Roof Curb, Add</i>	2,478.01	
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	25,891.88	540.18
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	7,497.48	
			<i>For Equipment Base Roof Curb, Add</i>	3,209.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	41,925.04	675.22
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	12,239.90	
		<i>For Equipment Base Roof Curb, Add</i>	5,206.87	

23 80 Decentralized Unitary HVAC Equipment ⁽²³⁾**23 81 Decentralized Unitary HVAC Equipment** ^(23 80)**23 81 13 Packaged Terminal Air-Conditioners** ^(23 81)**23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units** ^(23 81 13)**23 81 13 11-0001 Packaged Terminal Air-Conditioners** ^(23 81 13 11)**23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners** ^(23 81 13 11-0001)

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,375.39	133.43
		<i>For >35 To 70, Deduct</i>	-33.26	
		<i>For >70 To 100, Deduct</i>	-55.43	
		<i>For >100, Deduct</i>	-77.60	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,468.07	170.51
		<i>For >35 To 70, Deduct</i>	-33.82	
		<i>For >70 To 100, Deduct</i>	-56.37	
		<i>For >100, Deduct</i>	-78.92	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,553.77	181.71
		<i>For >35 To 70, Deduct</i>	-35.70	
		<i>For >70 To 100, Deduct</i>	-59.50	
		<i>For >100, Deduct</i>	-83.29	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	1,679.18	195.33
		<i>For >35 To 70, Deduct</i>	-38.66	
		<i>For >70 To 100, Deduct</i>	-64.43	
		<i>For >100, Deduct</i>	-90.21	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners ^(23 81 13 11-0001)

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,487.50	151.30
		<i>For >35 To 70, Deduct</i>	-35.56	
		<i>For >70 To 100, Deduct</i>	-59.27	
		<i>For >100, Deduct</i>	-82.98	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,568.32	170.51
		<i>For >35 To 70, Deduct</i>	-36.83	
		<i>For >70 To 100, Deduct</i>	-61.38	
		<i>For >100, Deduct</i>	-85.94	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,626.41	181.71
		<i>For >35 To 70, Deduct</i>	-37.88	
		<i>For >70 To 100, Deduct</i>	-63.13	
		<i>For >100, Deduct</i>	-88.38	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,775.07	195.33
		<i>For >35 To 70, Deduct</i>	-41.54	
		<i>For >70 To 100, Deduct</i>	-69.23	
		<i>For >100, Deduct</i>	-96.92	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve ^(23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	75.31	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	85.49	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	95.66	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units ^(23 81 13 11)

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	142.32	
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23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units ^(23 81 13)**23 81 13 13-0001 Single Package Vertical Wall Cooling Unit** ^(23 81 13 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	3,434.79	161.44
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,816.70	169.13
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,628.78	176.82
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,778.78	192.19
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,019.88	222.94
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,804.95	276.76
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	13,067.03	307.51
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,388.02	345.95
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,175.82	415.14
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	20,919.30	515.08
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,917.56	691.91

Heating, Ventilating, and Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,996.76	845.66
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	40,304.41	1,007.10
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	48,208.47	1,130.11

23 81 16 Room Air-Conditioners (23 81)

23 81 16 00-0001			Window Unit, Room Air-Conditioners (23 81 16)		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	428.30	74.71
			For >10 To 50, Deduct	-13.94	
			For >50 To 75, Deduct	-19.52	
			For >75 To 100, Deduct	-27.89	
			For >100, Deduct	-33.46	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	456.32	74.71
			For >10 To 50, Deduct	-15.34	
			For >50 To 75, Deduct	-21.48	
			For >75 To 100, Deduct	-30.69	
			For >100, Deduct	-36.83	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	526.39	74.71
			For >10 To 50, Deduct	-18.85	
			For >50 To 75, Deduct	-26.39	
			For >75 To 100, Deduct	-37.70	
			For >100, Deduct	-45.23	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	589.36	74.71
			For >10 To 50, Deduct	-22.00	
			For >50 To 75, Deduct	-30.79	
			For >75 To 100, Deduct	-43.99	
			For >100, Deduct	-52.79	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	750.60	74.71
			For >10 To 50, Deduct	-30.06	
			For >50 To 75, Deduct	-42.08	
			For >75 To 100, Deduct	-60.12	
			For >100, Deduct	-72.14	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	890.73	74.71
			For >10 To 50, Deduct	-37.06	
			For >50 To 75, Deduct	-51.89	
			For >75 To 100, Deduct	-74.13	
			For >100, Deduct	-88.95	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	834.68	74.71
			For >10 To 50, Deduct	-34.26	
			For >50 To 75, Deduct	-47.97	
			For >75 To 100, Deduct	-68.52	
			For >100, Deduct	-82.23	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	904.74	74.71
			For >10 To 50, Deduct	-37.77	
			For >50 To 75, Deduct	-52.87	
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.64	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	960.79	74.71
			For >10 To 50, Deduct	-40.57	
			For >50 To 75, Deduct	-56.79	
			For >75 To 100, Deduct	-81.14	
			For >100, Deduct	-97.36	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,016.84	74.71
			For >10 To 50, Deduct	-43.37	
			For >50 To 75, Deduct	-60.72	
			For >75 To 100, Deduct	-86.74	
			For >100, Deduct	-104.09	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,128.95	74.71
			For >10 To 50, Deduct	-48.98	
			For >50 To 75, Deduct	-68.57	
			For >75 To 100, Deduct	-97.95	
			For >100, Deduct	-117.54	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,142.96	74.71
			For >10 To 50, Deduct	-49.68	
			For >50 To 75, Deduct	-69.55	
			For >75 To 100, Deduct	-99.35	
			For >100, Deduct	-119.22	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,306.23	74.71
			For >10 To 50, Deduct	-57.84	
			For >50 To 75, Deduct	-80.98	
			For >75 To 100, Deduct	-115.68	
			For >100, Deduct	-138.81	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,386.88	74.71
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,524.51	74.71
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,587.07	74.71
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,612.09	74.71
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	1,837.31	74.71
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,400.35	74.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,588.03	74.71
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,838.27	74.71
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	960.79	74.71
			<i>For >10 To 50, Deduct</i>	-40.57	
			<i>For >50 To 75, Deduct</i>	-56.79	
			<i>For >75 To 100, Deduct</i>	-81.14	
			<i>For >100, Deduct</i>	-97.36	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,114.94	74.71
			<i>For >10 To 50, Deduct</i>	-48.28	
			<i>For >50 To 75, Deduct</i>	-67.59	
			<i>For >75 To 100, Deduct</i>	-96.55	
			<i>For >100, Deduct</i>	-115.86	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,199.01	74.71
			<i>For >10 To 50, Deduct</i>	-52.48	
			<i>For >50 To 75, Deduct</i>	-73.47	
			<i>For >75 To 100, Deduct</i>	-104.96	
			<i>For >100, Deduct</i>	-125.95	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,507.30	74.71
			<i>For >10 To 50, Deduct</i>	-67.89	
			<i>For >50 To 75, Deduct</i>	-95.05	
			<i>For >75 To 100, Deduct</i>	-135.79	
			<i>For >100, Deduct</i>	-162.94	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0026)</small>		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,674.65	74.71
23 81 16 00-0034			Accessories <small>(23 81 16 00-0001)</small>		
23 81 16 00-0035	EA		Epoxy Coated Steel, Heavy Duty Window Air Conditioning Unit Support.....	119.58	30.01
23 81 16 00-0036	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Lower Sash (Ritter).....	416.13	44.03
23 81 16 00-0037	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Upper Sash (Ritter).....	482.07	78.45
23 81 16 00-0038	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly With Ducts Installed In The Lower Sash (Ritter).....	654.98	68.04
23 81 16 00-0039			Removal And Reinstallation Of Room Air-Conditioners <small>(23 81 16)</small>		
			Note: Includes storage and cleaning.		
23 81 16 00-0040	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	88.95	
23 81 16 00-0041	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	200.10	
23 81 16 00-0042			Through-The-Wall, Room Air-Conditioners <small>(23 81 16)</small>		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0043			Cooling Only, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0042)</small>		
23 81 16 00-0044			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0043)</small>		
23 81 16 00-0045	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,043.90	53.37
			<i>For >10 To 50, Deduct</i>	-46.86	
			<i>For >50 To 75, Deduct</i>	-65.60	
			<i>For >75 To 100, Deduct</i>	-93.72	
			<i>For >100, Deduct</i>	-112.46	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	
23 81 16 00-0046	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,131.48	53.37
			<i>For >10 To 50, Deduct</i>	-51.24	
			<i>For >50 To 75, Deduct</i>	-71.73	
			<i>For >75 To 100, Deduct</i>	-102.47	
			<i>For >100, Deduct</i>	-122.97	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	
23 81 16 00-0047	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,294.14	53.37
			<i>For >10 To 50, Deduct</i>	-59.37	
			<i>For >50 To 75, Deduct</i>	-83.12	
			<i>For >75 To 100, Deduct</i>	-118.74	
			<i>For >100, Deduct</i>	-142.49	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	
23 81 16 00-0048	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,131.48	53.37
			<i>For >10 To 50, Deduct</i>	-51.24	
			<i>For >50 To 75, Deduct</i>	-71.73	
			<i>For >75 To 100, Deduct</i>	-102.47	
			<i>For >100, Deduct</i>	-122.97	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 16 00-0049	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,294.14	53.37
		<i>For >10 To 50, Deduct</i>	-59.37	
		<i>For >50 To 75, Deduct</i>	-83.12	
		<i>For >75 To 100, Deduct</i>	-118.74	
		<i>For >100, Deduct</i>	-142.49	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	

23 81 16 00-0050 Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0042)

23 81 16 00-0051 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0050)

23 81 16 00-0052	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,331.67	53.37
		<i>For >10 To 50, Deduct</i>	-61.25	
		<i>For >50 To 75, Deduct</i>	-85.74	
		<i>For >75 To 100, Deduct</i>	-122.49	
		<i>For >100, Deduct</i>	-146.99	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	

23 81 16 00-0053	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,431.77	53.37
		<i>For >10 To 50, Deduct</i>	-66.25	
		<i>For >50 To 75, Deduct</i>	-92.75	
		<i>For >75 To 100, Deduct</i>	-132.50	
		<i>For >100, Deduct</i>	-159.00	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	

23 81 23 Computer-Room Air-Conditioners (23 81)

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)

23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12)

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	33,962.83	1,518.86
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	3,960.26	
23 81 23 12-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	37,491.82	1,661.25
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	4,373.27	
23 81 23 12-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	52,270.79	1,898.58
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	6,180.87	
23 81 23 12-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	57,267.61	2,017.24
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	6,783.41	
23 81 23 12-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	62,264.43	2,135.90
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	7,385.95	
23 81 23 12-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	69,582.70	2,563.07
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	8,214.41	
23 81 23 12-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	78,697.81	2,847.86
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	9,307.76	
23 81 23 12-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	82,357.39	2,941.79
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	9,744.96	
23 81 23 12-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	89,798.31	3,037.71
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	10,654.59	
23 81 23 12-0011	EA	30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	97,038.49	3,417.43
		Note: Includes interior unit and remote condenser. Excludes piping.		
		<i>For Liebert Unit, Add</i>	11,494.45	

23 81 23 12-0012 Floor Mounted Chilled Water Type (23 81 23 12)

Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	23,041.90	1,040.73
		<i>For Liebert Unit, Add</i>	2,706.78	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	24,733.36	1,152.80
		<i>For Liebert Unit, Add</i>	2,899.54	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	30,322.88	1,755.89
		<i>For Liebert Unit, Add</i>	3,497.71	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	31,749.01	1,779.03
		<i>For Liebert Unit, Add</i>	3,672.15	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	32,961.21	1,850.18
		<i>For Liebert Unit, Add</i>	3,810.60	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	33,631.95	2,028.09
		<i>For Liebert Unit, Add</i>	3,865.98	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,635.32	2,205.99
		<i>For Liebert Unit, Add</i>	4,087.49	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0020			Floor Mounted Water Source <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	17,633.70	949.28
			<i>For Liebert Unit, Add</i>	2,026.88	
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	19,451.23	996.75
			<i>For Liebert Unit, Add</i>	2,245.16	
23 81 23 12-0023	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	25,446.54	1,044.22
			<i>For Liebert Unit, Add</i>	2,985.75	
23 81 23 12-0024	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	27,405.19	1,139.15
			<i>For Liebert Unit, Add</i>	3,211.82	
23 81 23 12-0025	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	30,291.82	1,234.07
			<i>For Liebert Unit, Add</i>	3,554.83	
23 81 23 12-0026	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	31,435.42	1,329.00
			<i>For Liebert Unit, Add</i>	3,679.57	
23 81 23 12-0027	EA		15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	32,801.71	1,423.93
			<i>For Liebert Unit, Add</i>	3,835.48	
23 81 23 12-0028	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	33,684.14	1,518.86
			<i>For Liebert Unit, Add</i>	3,929.03	
23 81 23 12-0029	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	38,451.71	1,803.64
			<i>For Liebert Unit, Add</i>	4,469.53	
23 81 23 12-0030			Floor Mounted Glycol System Type <small>(23 81 23 12)</small> Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031	EA		3 Ton Computer Room Air Conditioner, Glycol System Type.....	33,609.81	1,040.73
			<i>For Liebert Unit, Add</i>	4,027.77	
23 81 23 12-0032	EA		5 Ton Computer Room Air Conditioner, Glycol System Type.....	36,156.85	1,152.80
			<i>For Liebert Unit, Add</i>	4,327.47	
23 81 23 12-0033	EA		6 Ton Computer Room Air Conditioner, Glycol System Type.....	56,104.81	1,291.57
			<i>For Liebert Unit, Add</i>	6,797.84	
23 81 23 12-0034	EA		9 Ton Computer Room Air Conditioner, Glycol System Type.....	57,828.16	1,430.34
			<i>For Liebert Unit, Add</i>	6,990.13	
23 81 23 12-0035	EA		10 Ton Computer Room Air Conditioner, Glycol System Type.....	61,866.00	1,569.09
			<i>For Liebert Unit, Add</i>	7,471.73	
23 81 23 12-0036	EA		16 Ton Computer Room Air Conditioner, Glycol System Type.....	74,104.21	1,779.03
			<i>For Liebert Unit, Add</i>	8,965.04	
23 81 23 12-0037	EA		20 Ton Computer Room Air Conditioner, Glycol System Type.....	81,320.25	1,850.18
			<i>For Liebert Unit, Add</i>	9,855.48	
23 81 23 12-0038	EA		22 Ton Computer Room Air Conditioner, Glycol System Type.....	84,264.35	2,028.09
			<i>For Liebert Unit, Add</i>	10,195.03	
23 81 23 12-0039	EA		30 Ton Computer Room Air Conditioner, Glycol System Type.....	102,817.20	2,205.99
			<i>For Liebert Unit, Add</i>	12,485.23	
23 81 23 12-0040			Removal And Reinstallation Of Computer Room Unit <small>(23 81 23 12)</small> Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041	EA		Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	1,423.22	
23 81 23 12-0042	EA		Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit.....	1,186.02	
23 81 23 13			Computer-Room Air-Conditioners, Ceiling Mounted Units <small>(23 81 23)</small>		
23 81 23 13-0001			Ceiling Mounted Packaged Computer Room Air Conditioner <small>(23 81 23 13)</small> Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002	EA		1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	13,585.20	451.16
			<i>For Liebert Unit, Add</i>	1,613.60	
23 81 23 13-0003	EA		1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	14,989.46	541.82
			<i>For Liebert Unit, Add</i>	1,772.14	
23 81 23 13-0004	EA		2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	17,076.74	678.09
			<i>For Liebert Unit, Add</i>	2,007.52	
23 81 23 13-0005	EA		3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	21,012.30	791.10
			<i>For Liebert Unit, Add</i>	2,478.29	
23 81 23 13-0006	EA		5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System.....	28,647.65	859.83
			<i>For Liebert Unit, Add</i>	3,419.81	
23 81 26			Split-System Air-Conditioners <small>(23 81)</small>		
23 81 26 13			Small-Capacity Split-System Air-Conditioners <small>(23 81 26)</small>		
23 81 26 13-0001			Split System A/C Unit <small>(23 81 26 13)</small> See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.		
23 81 26 13-0002			Ductless Split System Air Conditioners <small>(23 81 26 13-0001)</small> Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003			Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>		
23 81 26 13-0004	EA		9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners.....	1,848.00	234.83
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0005	EA		11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner.....	1,994.78	256.18
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0006	EA		17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,520.97	284.65
23 81 26 13-0007	EA		24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,798.65	313.11
23 81 26 13-0008	EA		25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,440.28	341.57
23 81 26 13-0009	EA		29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,207.96	355.81
23 81 26 13-0010	EA		31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,724.07	379.28
23 81 26 13-0011			Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA		7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	785.70	113.86
23 81 26 13-0013	EA		9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	828.34	120.98
23 81 26 13-0014	EA		11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	871.84	128.09
23 81 26 13-0015	EA		17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	993.33	135.21
23 81 26 13-0016	EA		24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,063.39	142.32
23 81 26 13-0017	EA		19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,293.11	170.79
23 81 26 13-0018	EA		25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,538.64	185.02
23 81 26 13-0019	EA		30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,103.84	199.25
23 81 26 13-0020			Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA		24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,777.33	341.57
23 81 26 13-0022	EA		31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,821.14	407.76
23 81 26 13-0023	EA		39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,171.70	426.96
23 81 26 13-0024			Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA		11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,868.02	284.65
23 81 26 13-0026	EA		17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,356.51	313.11
23 81 26 13-0027	EA		24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,719.95	370.04
23 81 26 13-0028	EA		32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,478.36	407.76
23 81 26 13-0029	EA		39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,000.31	426.96
23 81 26 13-0030			Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF		3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 9.31	9.31	1.02
23 81 26 13-0032	LF		4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 12.10	12.10	1.12
23 81 26 13-0033	LF		6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 15.19	15.19	1.23
23 81 26 13-0034	EA		3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 15.48	15.48	1.91
23 81 26 13-0035	EA		4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 27.39	27.39	2.10
23 81 26 13-0036	EA		6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers 31.27	31.27	2.31
23 81 26 13-0037	EA		3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 39.07	39.07	3.82
23 81 26 13-0038	EA		4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 66.12	66.12	4.20
23 81 26 13-0039	EA		6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 73.86	73.86	4.63
23 81 26 13-0040	EA		3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 52.79	52.79	4.07
23 81 26 13-0041	EA		4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 62.12	62.12	4.49
23 81 26 13-0042	EA		6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 97.45	97.45	4.93
23 81 26 13-0043	EA		3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 39.07	39.07	3.82
23 81 26 13-0044	EA		4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 66.12	66.12	4.20
23 81 26 13-0045	EA		6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers 73.86	73.86	4.63
23 81 26 13-0046	EA		3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 50.03	50.03	6.37
23 81 26 13-0047	EA		4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 74.61	74.61	7.00
23 81 26 13-0048	EA		6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers 89.68	89.68	7.71
23 81 26 13-0049	EA		2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers 29.73	29.73	1.27
23 81 26 13-0050	EA		3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 30.98	30.98	3.82
23 81 26 13-0051	EA		4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 51.56	51.56	4.20
23 81 26 13-0052	EA		3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 27.74	27.74	3.82
23 81 26 13-0053	EA		4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 38.61	38.61	4.20
23 81 26 13-0054	EA		6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers 41.50	41.50	4.63
23 81 26 13-0055	EA		4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 143.25	143.25	5.09
23 81 26 13-0056	EA		6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers 162.59	162.59	5.61
23 81 26 13-0057	EA		14" Condensing Unit Mounting Blocks With End Caps 80.53	80.53	19.11
23 81 26 13-0058	EA		17" Condensing Unit Mounting Blocks With End Caps 89.24	89.24	20.38
23 81 26 13-0059	EA		36" Condensing Unit Mounting Blocks With End Caps 125.46	125.46	21.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 81 26 13-0060	EA	End Cap, Set of 4.....		16.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity.....		172.52	38.21
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity.....		183.01	40.76
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line.....		2.11	0.10
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line.....		2.18	0.10
23 81 26 13-0065		Cased A/C Evaporator Coils (23 81 26 13-0001)			
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)			
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil.....		487.22	80.05
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil.....		508.38	86.05
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil.....		604.13	92.05
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil.....		688.11	98.07
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil.....		795.56	102.07
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil.....		887.30	106.07
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil.....		953.04	114.08
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil.....		959.83	120.08
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)			
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		595.90	82.05
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		684.89	86.66
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		783.91	92.05
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		812.28	95.38
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		850.44	100.07
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		860.95	105.26
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....		871.26	110.47
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)			
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....		521.32	82.05
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....		625.58	92.05
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....		722.21	100.07
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil.....		869.95	110.47
23 81 26 16		Large-Capacity Split-System Air-Conditioners (23 81 26)			
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)			
23 81 26 16-0002		Outdoor Units (23 81 26 16-0001)			
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....		13,853.75	373.59
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....		14,991.18	444.75
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....		16,853.12	533.71
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....		20,826.61	551.50
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....		27,827.97	569.29
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YKMU-A).....		28,858.67	587.08
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YKMU-A).....		29,889.36	604.87
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YKMU-A).....		31,644.56	640.44
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YKMU-A).....		33,399.75	676.03
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YKMU-A).....		37,408.84	711.61
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YKMU-A).....		41,417.92	747.19
23 81 26 16-0014		Indoor Units (23 81 26 16-0001)			
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....		1,379.48	115.64
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....		1,448.30	124.53
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....		1,508.61	133.43
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....		1,581.70	142.32
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....		1,703.11	169.01
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....		1,890.78	204.59
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....		2,047.99	222.38
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....		2,027.74	127.20
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....		2,094.08	136.99
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....		2,207.22	146.77
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....		2,396.89	156.56
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....		2,515.14	185.91
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....		2,746.50	225.04
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....		2,889.41	234.83
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....		3,049.30	244.61
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....		3,383.16	269.08
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....		3,751.66	295.98
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....		4,057.51	325.59
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....		5,181.52	358.14
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....		5,891.05	393.95
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....		2,303.33	146.77
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....		2,427.51	156.56
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....		2,548.31	185.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 26 16-0038	EA		24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	2,845.16	225.04
23 81 26 16-0039	EA		30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,063.76	244.61
23 81 26 16-0040	EA		36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	3,770.15	269.08
23 81 26 16-0041	EA		6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,074.52	127.20
23 81 26 16-0042	EA		8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,179.13	136.99
23 81 26 16-0043	EA		12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,343.30	146.77
23 81 26 16-0044	EA		15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,464.93	156.56
23 81 26 16-0045	EA		8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	1,906.96	136.99
23 81 26 16-0046	EA		12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,003.09	146.77
23 81 26 16-0047	EA		15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,103.46	156.56

23 81 26 16-0048 **Controllers For Outdoor Units** (23 81 26 16-0001)

23 81 26 16-0049	EA		8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	7,570.50	106.75
23 81 26 16-0050	EA		10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	8,754.29	124.53
23 81 26 16-0051	EA		13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	9,670.17	142.32
23 81 26 16-0052	EA		16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	11,483.34	160.11
23 81 26 16-0053	EA		4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	4,212.07	71.16
23 81 26 16-0054	EA		8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	6,490.34	106.75
23 81 26 16-0055	EA		16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	9,922.63	160.11

23 81 26 16-0056 **Energy Recovery Units** (23 81 26 16-0001)

23 81 26 16-0057	EA		36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NNU-E2-AU).....	5,333.63	106.75
23 81 26 16-0058	EA		39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NNU-E-BU).....	10,164.60	106.75
23 81 26 16-0059	EA		112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	10,297.99	124.53
23 81 26 16-0060	EA		Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,091.58	88.95
23 81 26 16-0061	EA		Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,681.30	92.50
23 81 26 16-0062	EA		Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	3,207.23	96.07
23 81 26 16-0063	EA		Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	5,899.22	106.75

23 81 26 16-0064 **Piping Specialties** (23 81 26 16-0001)

23 81 26 16-0065	EA		Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	756.97	
23 81 26 16-0066	EA		Branch Joint (Mitsubishi CMY-Y102SS-G2).....	187.58	30.40
23 81 26 16-0067	EA		Branch Joint (Mitsubishi CMY-Y102LS-G2).....	187.58	30.40
23 81 26 16-0068	EA		Branch Joint (Mitsubishi CMY-Y202S-G2).....	208.59	32.01
23 81 26 16-0069	EA		Branch Joint (Mitsubishi CMY-Y302S-G2).....	263.37	36.01
23 81 26 16-0070	EA		Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	342.16	52.00
23 81 26 16-0071	EA		Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	573.73	104.01
23 81 26 16-0072	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	106.40	12.80
23 81 26 16-0073	EA		Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	118.55	17.60

23 81 43 **Air-Source Unitary Heat Pumps** (23 81)

23 81 43 00-0001 **Single Package Thru-Wall Heat Pumps** (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,778.43	115.31
			<i>For Unit Economizer, Add</i>	240.06	
			<i>For >35 To 70, Deduct</i>	-46.66	
			<i>For >70 To 100, Deduct</i>	-77.77	
			<i>For >100, Deduct</i>	-108.88	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	195.73	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,966.64	123.01
			<i>For Unit Economizer, Add</i>	265.80	
			<i>For >35 To 70, Deduct</i>	-51.85	
			<i>For >70 To 100, Deduct</i>	-86.42	
			<i>For >100, Deduct</i>	-120.98	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	215.13	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,418.44	123.01
			<i>For Unit Economizer, Add</i>	469.05	
			<i>For >35 To 70, Deduct</i>	-95.40	
			<i>For >70 To 100, Deduct</i>	-159.01	
			<i>For >100, Deduct</i>	-222.61	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	345.79	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,744.90	123.01
			<i>For Unit Economizer, Add</i>	514.14	
			<i>For >35 To 70, Deduct</i>	-104.74	
			<i>For >70 To 100, Deduct</i>	-174.56	
			<i>For >100, Deduct</i>	-244.38	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	168.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0006	EA		2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,244.21	130.69
			<i>For Unit Economizer, Add</i>	583.43	
			<i>For >35 To 70, Deduct</i>	-119.25	
			<i>For >70 To 100, Deduct</i>	-198.76	
			<i>For >100, Deduct</i>	-278.26	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	186.52	
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,451.61	138.38
			<i>For Unit Economizer, Add</i>	612.46	
			<i>For >35 To 70, Deduct</i>	-125.48	
			<i>For >70 To 100, Deduct</i>	-209.13	
			<i>For >100, Deduct</i>	-292.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	611.00	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,020.06	138.38
			<i>For Unit Economizer, Add</i>	691.43	
			<i>For >35 To 70, Deduct</i>	-142.07	
			<i>For >70 To 100, Deduct</i>	-236.78	
			<i>For >100, Deduct</i>	-331.49	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	686.74	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,546.24	146.06
			<i>For Unit Economizer, Add</i>	764.79	
			<i>For >35 To 70, Deduct</i>	-157.62	
			<i>For >70 To 100, Deduct</i>	-262.71	
			<i>For >100, Deduct</i>	-367.79	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	756.07	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,387.39	169.13
			<i>For Unit Economizer, Add</i>	880.70	
			<i>For >35 To 70, Deduct</i>	-181.47	
			<i>For >70 To 100, Deduct</i>	-302.46	
			<i>For >100, Deduct</i>	-423.44	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	870.95	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,779.82	199.88
			<i>For Unit Economizer, Add</i>	1,632.88	
			<i>For >35 To 70, Deduct</i>	-341.17	
			<i>For >70 To 100, Deduct</i>	-568.62	
			<i>For >100, Deduct</i>	-796.07	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,580.27	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,171.26	253.69
			<i>For Unit Economizer, Add</i>	2,103.37	
			<i>For >35 To 70, Deduct</i>	-439.69	
			<i>For >70 To 100, Deduct</i>	-732.81	
			<i>For >100, Deduct</i>	-1,025.93	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	275.33	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	18,543.47	284.45
			<i>For Unit Economizer, Add</i>	2,573.33	
			<i>For >35 To 70, Deduct</i>	-539.24	
			<i>For >70 To 100, Deduct</i>	-898.73	
			<i>For >100, Deduct</i>	-1,258.22	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	321.97	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,898.90	322.89
			<i>For Unit Economizer, Add</i>	3,180.32	
			<i>For >35 To 70, Deduct</i>	-667.82	
			<i>For >70 To 100, Deduct</i>	-1,113.04	
			<i>For >100, Deduct</i>	-1,558.26	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	382.13	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	30,557.34	345.95
			<i>For Unit Economizer, Add</i>	4,250.35	
			<i>For >35 To 70, Deduct</i>	-895.96	
			<i>For >70 To 100, Deduct</i>	-1,493.27	
			<i>For >100, Deduct</i>	-2,090.58	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	471.63	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	36,840.81	376.70
			<i>For Unit Economizer, Add</i>	5,127.58	
			<i>For >35 To 70, Deduct</i>	-1,082.62	
			<i>For >70 To 100, Deduct</i>	-1,804.37	
			<i>For >100, Deduct</i>	-2,526.12	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	549.23	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,739.51	153.76
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,342.70	169.13
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,350.86	176.82
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,995.56	192.19
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,258.84	222.94
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,678.40	253.69
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,243.99	284.45
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,154.57	315.20
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,178.92	376.70

23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,712.19	74.71
		<i>For >10 To 50, Deduct</i>	-78.14	
		<i>For >50 To 75, Deduct</i>	-109.39	
		<i>For >75 To 100, Deduct</i>	-156.28	
		<i>For >100, Deduct</i>	-187.53	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	1,937.40	74.71
		<i>For >10 To 50, Deduct</i>	-89.40	
		<i>For >50 To 75, Deduct</i>	-125.16	
		<i>For >75 To 100, Deduct</i>	-178.80	
		<i>For >100, Deduct</i>	-214.56	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	2,275.23	74.71
		<i>For >10 To 50, Deduct</i>	-106.29	
		<i>For >50 To 75, Deduct</i>	-148.81	
		<i>For >75 To 100, Deduct</i>	-212.58	
		<i>For >100, Deduct</i>	-255.09	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,650.59	74.71
		<i>For >10 To 50, Deduct</i>	-125.06	
		<i>For >50 To 75, Deduct</i>	-175.08	
		<i>For >75 To 100, Deduct</i>	-250.12	
		<i>For >100, Deduct</i>	-300.14	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)
 Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,732.06	53.37
		<i>For >10 To 50, Deduct</i>	-81.27	
		<i>For >50 To 75, Deduct</i>	-113.77	
		<i>For >75 To 100, Deduct</i>	-162.53	
		<i>For >100, Deduct</i>	-195.04	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	1,732.06	53.37
		<i>For >10 To 50, Deduct</i>	-81.27	
		<i>For >50 To 75, Deduct</i>	-113.77	
		<i>For >75 To 100, Deduct</i>	-162.53	
		<i>For >100, Deduct</i>	-195.04	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	241.88	

23 81 46 Water-Source Unitary Heat Pumps (23 81)

23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)
 Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,379.19	160.11
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,454.83	160.11
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,838.13	176.12
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,989.49	192.12
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,206.40	208.13
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,776.27	224.15
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,858.72	240.16
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,210.09	256.16
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,494.23	272.17
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	4,568.27	288.19

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,165.84	228.33
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	565.87	
		<i>For Winterstart Control, Add</i>	147.39	
		<i>For 15 SEER, Add</i>	507.58	
		<i>For 16 SEER, Add</i>	817.77	
		<i>For 18 SEER, Add</i>	1,240.75	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	3,259.24	253.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	584.82	
		<i>For Winterstart Control, Add</i>	153.43	
		<i>For 15 SEER, Add</i>	517.47	
		<i>For 16 SEER, Add</i>	833.71	
		<i>For 18 SEER, Add</i>	1,264.93	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	3,555.73	294.44
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		<i>For Low Ambient Protection, 0 Degree F, Add</i>	640.15	
		<i>For Winterstart Control, Add</i>	168.98	
		<i>For 15 SEER, Add</i>	559.77	
		<i>For 16 SEER, Add</i>	901.85	
		<i>For 18 SEER, Add</i>	1,368.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,876.33	338.26
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	531.79	
			For Winterstart Control, Add	185.81	
			For 15 SEER, Add	605.48	
			For 16 SEER, Add	975.50	
			For 18 SEER, Add	1,480.06	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,998.34	351.34
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	548.99	
			For Winterstart Control, Add	191.87	
			For 15 SEER, Add	623.90	
			For 16 SEER, Add	1,005.17	
			For 18 SEER, Add	1,525.09	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,444.46	403.61
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	608.29	
			For Winterstart Control, Add	212.37	
			For 15 SEER, Add	696.22	
			For 16 SEER, Add	1,121.69	
			For 18 SEER, Add	1,701.87	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,064.96	443.97
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	380.10	
			For Winterstart Control, Add	107.73	
			For 15 SEER, Add	797.53	
			For 16 SEER, Add	1,284.91	
			For 18 SEER, Add	1,949.52	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	6,061.10	498.13
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	445.38	
			For Winterstart Control, Add	124.66	
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	8,428.36	597.75
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	294.43	
			For Winterstart Control, Add	161.26	
23 81 49 00-0011	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	11,130.85	697.38
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	329.07	
			For Winterstart Control, Add	200.76	
23 81 49 00-0012	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	20,246.46	747.19
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	347.40	
			For Winterstart Control, Add	298.51	
23 81 49 00-0013			Indoor Section, Horizontal Upflow <small>(23 81 49)</small>		
			Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,038.28	76.14
			For Additional 5 KW Electric Heat, Add	96.18	
23 81 49 00-0015	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,137.57	94.86
			For Additional 5 KW Electric Heat, Add	104.27	
23 81 49 00-0016	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,177.36	114.56
			For Additional 5 KW Electric Heat, Add	106.26	
23 81 49 00-0017	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,600.40	134.14
			For Additional 5 KW Electric Heat, Add	146.61	
23 81 49 00-0018	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,634.68	151.22
			For Additional 5 KW Electric Heat, Add	148.33	
23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,809.54	173.63
			For Additional 5 KW Electric Heat, Add	163.60	
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	3,917.93	284.65
			For Additional 5 KW Electric Heat, Add	363.33	
23 81 49 00-0021	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat.....	5,842.08	320.23
			For Additional 5 KW Electric Heat, Add	552.19	
23 81 49 00-0022	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15kW Electric Heat.....	8,257.59	355.81
			For Additional 5 KW Electric Heat, Add	790.18	
23 81 49 00-0023	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat.....	9,370.36	426.96
			For Additional 5 KW Electric Heat, Add	894.33	
23 81 49 00-0024			Ductless Split System Heat Pumps <small>(23 81 49)</small>		
			Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025			Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
23 81 49 00-0026	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,019.39	234.83
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,229.57	256.18
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA		15,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,740.34	284.65
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	3,162.84	313.11
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	4,576.81	341.57
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,338.21	355.81
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,865.46	379.28
			Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 49 00-0033	Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0034)</small>		
	Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	823.41	113.86
	Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035	EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	866.91	120.98
	Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036	EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	911.26	128.09
	Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037	EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,045.60	135.21
	Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038	EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,114.81	142.32
	Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039	EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,610.18	170.79
	Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040	EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	3,108.50	185.02
	Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041	EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	5,138.16	199.25
	Note: Includes outdoor unit and refrigerant charge.		

23 81 49 00-0042	Suspended Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
	Note: Excludes hangers.		
23 81 49 00-0043	EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	4,914.44	341.57
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0044	EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	5,962.53	407.76
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045	EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	7,257.39	426.96
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 81 49 00-0046	Recessed Ceiling Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		
	Note: Excludes hangers.		
23 81 49 00-0047	EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,210.79	284.65
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048	EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,645.29	313.11
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049	EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,857.06	370.04
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050	EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,619.76	407.76
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051	EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	7,086.01	426.96
	Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

23 82 Convection Heating and Cooling Units (23 80)

23 82 16 Air Coils (23 82)

23 82 16 11 Hydronic Air Coils (23 82 16)

23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0003	EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	675.13	40.03
23 82 16 11-0004	EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,104.74	54.43
23 82 16 11-0005	EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,503.60	85.66
23 82 16 11-0006	EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,844.12	122.48
23 82 16 11-0007	EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,985.98	150.50
23 82 16 11-0008	EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,241.03	182.52
23 82 16 11-0009	EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,423.72	211.33
23 82 16 11-0010	EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,647.06	373.36
23 82 16 11-0011	EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,555.24	141.93
23 82 16 11-0012	EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,053.19	241.67
23 82 16 11-0013	EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,306.00	300.20
23 82 16 11-0014	EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,582.47	362.56
23 82 16 11-0015	EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,845.15	422.19

23 82 16 11-0016 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0017	EA		12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	846.07	83.25
23 82 16 11-0018	EA		12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,348.46	120.08
23 82 16 11-0019	EA		24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,872.04	200.13
23 82 16 11-0020	EA		24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,336.47	296.99
23 82 16 11-0021	EA		30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,720.33	364.24
23 82 16 11-0022	EA		30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,244.32	445.08
23 82 16 11-0023	EA		30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,648.64	533.94
23 82 16 11-0024	EA		30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,657.47	621.52
23 82 16 11-0025	EA		34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,189.33	268.25
23 82 16 11-0026	EA		34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,847.72	403.46
23 82 16 11-0027	EA		34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,187.56	500.32
23 82 16 11-0028	EA		34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,620.17	602.79
23 82 16 11-0029	EA		34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,010.30	704.69
23 82 16 11-0030			6 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031	EA		12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,184.31	105.67
23 82 16 11-0032	EA		12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,423.43	156.90
23 82 16 11-0033	EA		24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,982.83	267.37
23 82 16 11-0034	EA		24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,725.17	400.25
23 82 16 11-0035	EA		30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,559.29	500.32
23 82 16 11-0036	EA		30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,084.57	615.60
23 82 16 11-0037	EA		30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,761.35	727.67
23 82 16 11-0038	EA		30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,667.65	847.98
23 82 16 11-0039	EA		34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,767.26	366.56
23 82 16 11-0040	EA		34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,611.27	549.79
23 82 16 11-0041	EA		34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,126.88	688.44
23 82 16 11-0042	EA		34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,625.73	827.02
23 82 16 11-0043	EA		34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,125.46	962.14
23 82 16 11-0044			8 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045	EA		12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,476.85	127.28
23 82 16 11-0046	EA		12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,839.64	195.33
23 82 16 11-0047	EA		24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,790.57	348.23
23 82 16 11-0048	EA		24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,761.86	533.94
23 82 16 11-0049	EA		30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,538.16	667.64
23 82 16 11-0050	EA		30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,291.84	800.52
23 82 16 11-0051	EA		30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,058.44	889.38
23 82 16 11-0052	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,406.28	1,031.63
23 82 16 11-0053	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,181.91	446.69
23 82 16 11-0054	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,168.77	671.56
23 82 16 11-0055	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,768.16	836.53
23 82 16 11-0056	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,344.53	1,000.64
23 82 16 11-0057	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,955.77	1,177.23
23 82 16 11-0058			Hot Water Heating Coils <small>(23 82 16 11)</small>		
			Note: Flanged construction.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 11-0059 1 Row Hot Water Heating Coils <small>(23 82 16 11-0058)</small>			
23 82 16 11-0060	EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	714.50	108.07
	For 10 Fins Per Inch, Add	9.96	
	For 12 Fins Per Inch, Add	24.91	
	For 230 PSIG Heavy Duty, Add	164.54	
23 82 16 11-0061	EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,045.90	138.49
	For 10 Fins Per Inch, Add	15.40	
	For 12 Fins Per Inch, Add	38.49	
	For 230 PSIG Heavy Duty, Add	236.78	
23 82 16 11-0062	EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,286.91	190.53
	For 10 Fins Per Inch, Add	18.11	
	For 12 Fins Per Inch, Add	45.29	
	For 230 PSIG Heavy Duty, Add	295.50	
23 82 16 11-0063	EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,552.61	267.37
	For 10 Fins Per Inch, Add	20.38	
	For 12 Fins Per Inch, Add	50.95	
	For 230 PSIG Heavy Duty, Add	363.89	
23 82 16 11-0064	EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,772.56	320.21
	For 10 Fins Per Inch, Add	22.64	
	For 12 Fins Per Inch, Add	56.61	
	For 230 PSIG Heavy Duty, Add	418.55	
23 82 16 11-0065	EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,091.17	400.25
	For 10 Fins Per Inch, Add	25.81	
	For 12 Fins Per Inch, Add	64.53	
	For 230 PSIG Heavy Duty, Add	498.29	
23 82 16 11-0066	EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,338.61	444.29
	For 10 Fins Per Inch, Add	28.98	
	For 12 Fins Per Inch, Add	72.46	
	For 230 PSIG Heavy Duty, Add	556.67	
23 82 16 11-0067	EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,873.79	516.57
	For 10 Fins Per Inch, Add	36.74	
	For 12 Fins Per Inch, Add	91.84	
	For 230 PSIG Heavy Duty, Add	678.45	
23 82 16 11-0068	EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,240.79	223.83
	For 10 Fins Per Inch, Add	15.86	
	For 12 Fins Per Inch, Add	39.65	
	For 230 PSIG Heavy Duty, Add	292.93	
23 82 16 11-0069	EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,861.17	335.82
	For 10 Fins Per Inch, Add	23.79	
	For 12 Fins Per Inch, Add	59.48	
	For 230 PSIG Heavy Duty, Add	439.39	
23 82 16 11-0070	EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,800.27	507.93
	For 10 Fins Per Inch, Add	35.69	
	For 12 Fins Per Inch, Add	89.22	
	For 230 PSIG Heavy Duty, Add	661.64	
23 82 16 11-0071	EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,259.00	588.62
	For 10 Fins Per Inch, Add	41.64	
	For 12 Fins Per Inch, Add	104.09	
	For 230 PSIG Heavy Duty, Add	769.52	
23 82 16 11-0072	SF >15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	150.40	29.62
	For 10 Fins Per Inch, Add	1.82	
	For 12 Fins Per Inch, Add	4.56	
	For 230 PSIG Heavy Duty, Add	36.00	
23 82 16 11-0073 2 Row Hot Water Heating Coils <small>(23 82 16 11-0058)</small>			
23 82 16 11-0074	EA 12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,127.27	133.69
	For 10 Fins Per Inch, Add	17.21	
	For 12 Fins Per Inch, Add	43.02	
	For 230 PSIG Heavy Duty, Add	252.14	
23 82 16 11-0075	EA 12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,238.86	177.71
	For 10 Fins Per Inch, Add	17.66	
	For 12 Fins Per Inch, Add	44.15	
	For 230 PSIG Heavy Duty, Add	283.35	
23 82 16 11-0076	EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,688.47	267.37
	For 10 Fins Per Inch, Add	23.10	
	For 12 Fins Per Inch, Add	57.74	
	For 230 PSIG Heavy Duty, Add	391.06	
23 82 16 11-0077	EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,075.69	381.04
	For 10 Fins Per Inch, Add	26.27	
	For 12 Fins Per Inch, Add	65.66	
	For 230 PSIG Heavy Duty, Add	491.38	
23 82 16 11-0078	EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,413.58	470.70
	For 10 Fins Per Inch, Add	29.44	
	For 12 Fins Per Inch, Add	73.59	
	For 230 PSIG Heavy Duty, Add	576.90	
23 82 16 11-0079	EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,615.38	571.57
	For 10 Fins Per Inch, Add	29.44	
	For 12 Fins Per Inch, Add	73.59	
	For 230 PSIG Heavy Duty, Add	637.44	
23 82 16 11-0080	EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,964.48	667.64
	For 10 Fins Per Inch, Add	32.61	
	For 12 Fins Per Inch, Add	81.51	
	For 230 PSIG Heavy Duty, Add	726.32	
23 82 16 11-0081	EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,617.86	775.70
	For 10 Fins Per Inch, Add	41.33	
	For 12 Fins Per Inch, Add	103.32	
	For 230 PSIG Heavy Duty, Add	878.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 16 11-0082	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,561.52	334.70
		<i>For 10 Fins Per Inch, Add</i>	17.84	
		<i>For 12 Fins Per Inch, Add</i>	44.61	
		<i>For 230 PSIG Heavy Duty, Add</i>	379.24	
23 82 16 11-0083	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,343.96	502.81
		<i>For 10 Fins Per Inch, Add</i>	26.77	
		<i>For 12 Fins Per Inch, Add</i>	66.91	
		<i>For 230 PSIG Heavy Duty, Add</i>	569.36	
23 82 16 11-0084	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,523.55	758.09
		<i>For 10 Fins Per Inch, Add</i>	40.15	
		<i>For 12 Fins Per Inch, Add</i>	100.37	
		<i>For 230 PSIG Heavy Duty, Add</i>	856.32	
23 82 16 11-0085	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,113.07	885.53
		<i>For 10 Fins Per Inch, Add</i>	46.84	
		<i>For 12 Fins Per Inch, Add</i>	117.10	
		<i>For 230 PSIG Heavy Duty, Add</i>	999.72	

23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	911.38	101.67
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,146.87	100.87
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,396.06	108.07
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,616.67	117.67
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,627.53	123.28
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,956.46	129.68
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,034.60	145.70
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,251.39	163.30
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,541.57	195.33
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,765.38	204.93
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,512.15	216.94
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,487.55	296.99
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,632.21	364.24
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,531.71	381.04
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	7,671.01	444.29

23 82 16 12 Steam Air Coils (23 82 16)**23 82 16 12-0001 Steam Heating Coils (23 82 16 12)**

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	783.63	75.25
		<i>For 2 Row Coil, Add</i>	265.02	
		<i>For 4 Row Coil, Add</i>	691.24	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	887.22	104.07
		<i>For 2 Row Coil, Add</i>	307.75	
		<i>For 4 Row Coil, Add</i>	799.19	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,210.12	186.52
		<i>For 2 Row Coil, Add</i>	437.50	
		<i>For 4 Row Coil, Add</i>	1,128.20	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,552.61	267.37
		<i>For 2 Row Coil, Add</i>	572.52	
		<i>For 4 Row Coil, Add</i>	1,471.57	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,749.91	320.21
		<i>For 2 Row Coil, Add</i>	653.06	
		<i>For 4 Row Coil, Add</i>	1,675.30	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	2,000.59	400.25
		<i>For 2 Row Coil, Add</i>	760.28	
		<i>For 4 Row Coil, Add</i>	1,944.70	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,202.75	444.29
		<i>For 2 Row Coil, Add</i>	838.72	
		<i>For 4 Row Coil, Add</i>	2,144.67	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	2,701.57	518.49
		<i>For 2 Row Coil, Add</i>	1,017.86	
		<i>For 4 Row Coil, Add</i>	2,607.14	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,166.43	223.83
		<i>For 2 Row Coil, Add</i>	439.47	
		<i>For 4 Row Coil, Add</i>	1,125.66	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,749.64	335.82
		<i>For 2 Row Coil, Add</i>	659.21	
		<i>For 4 Row Coil, Add</i>	1,688.49	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,622.77	502.81
		<i>For 2 Row Coil, Add</i>	987.97	
		<i>For 4 Row Coil, Add</i>	2,530.66	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,063.84	588.62
		<i>For 2 Row Coil, Add</i>	1,154.60	
		<i>For 4 Row Coil, Add</i>	2,957.28	

23 82 16 13 Refrigerant Air Coils (23 82 16)**23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)**

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	577.77	60.04
		<i>For 10 Fins Per Inch, Add</i>	9.15	
		<i>For 12 Fins Per Inch, Add</i>	22.87	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 13-0004	EA	12"	x 24"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,079.83	82.45
				<i>For 10 Fins Per Inch, Add</i>	18.30	
				<i>For 12 Fins Per Inch, Add</i>	45.74	
23 82 16 13-0005	EA	24"	x 30"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,503.60	129.68
				<i>For 10 Fins Per Inch, Add</i>	24.91	
				<i>For 12 Fins Per Inch, Add</i>	62.27	
23 82 16 13-0006	EA	24"	x 48"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,844.12	186.52
				<i>For 10 Fins Per Inch, Add</i>	29.44	
				<i>For 12 Fins Per Inch, Add</i>	73.59	
23 82 16 13-0007	EA	30"	x 48"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,155.65	228.15
				<i>For 10 Fins Per Inch, Add</i>	33.96	
				<i>For 12 Fins Per Inch, Add</i>	84.91	
23 82 16 13-0008	EA	30"	x 60"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,431.44	276.17
				<i>For 10 Fins Per Inch, Add</i>	37.59	
				<i>For 12 Fins Per Inch, Add</i>	93.97	
23 82 16 13-0009	EA	30"	x 72"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,791.49	320.21
				<i>For 10 Fins Per Inch, Add</i>	43.02	
				<i>For 12 Fins Per Inch, Add</i>	107.55	
23 82 16 13-0010	EA	30"	x 84"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,473.34	373.36
				<i>For 10 Fins Per Inch, Add</i>	54.53	
				<i>For 12 Fins Per Inch, Add</i>	136.33	
23 82 16 13-0011	EA	34"	x 32"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,332.13	141.93
				<i>For 10 Fins Per Inch, Add</i>	20.97	
				<i>For 12 Fins Per Inch, Add</i>	52.41	
23 82 16 13-0012	EA	34"	x 48"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,777.70	241.67
				<i>For 10 Fins Per Inch, Add</i>	25.89	
				<i>For 12 Fins Per Inch, Add</i>	64.72	
23 82 16 13-0013	EA	34"	x 72"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,256.52	362.56
				<i>For 10 Fins Per Inch, Add</i>	30.63	
				<i>For 12 Fins Per Inch, Add</i>	76.57	
23 82 16 13-0014	EA	34"	x 84"	Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,494.00	422.19
				<i>For 10 Fins Per Inch, Add</i>	32.99	
				<i>For 12 Fins Per Inch, Add</i>	82.48	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0016	EA	12"	x 12"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	943.43	83.25
				<i>For 10 Fins Per Inch, Add</i>	15.53	
				<i>For 12 Fins Per Inch, Add</i>	38.83	
23 82 16 13-0017	EA	12"	x 24"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,348.46	120.08
				<i>For 10 Fins Per Inch, Add</i>	22.19	
				<i>For 12 Fins Per Inch, Add</i>	55.48	
23 82 16 13-0018	EA	24"	x 30"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,872.04	200.13
				<i>For 10 Fins Per Inch, Add</i>	29.44	
				<i>For 12 Fins Per Inch, Add</i>	73.59	
23 82 16 13-0019	EA	24"	x 48"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,336.47	296.99
				<i>For 10 Fins Per Inch, Add</i>	34.87	
				<i>For 12 Fins Per Inch, Add</i>	87.18	
23 82 16 13-0020	EA	30"	x 48"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,720.33	364.24
				<i>For 10 Fins Per Inch, Add</i>	39.85	
				<i>For 12 Fins Per Inch, Add</i>	99.63	
23 82 16 13-0021	EA	30"	x 60"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,244.32	445.08
				<i>For 10 Fins Per Inch, Add</i>	47.10	
				<i>For 12 Fins Per Inch, Add</i>	117.74	
23 82 16 13-0022	EA	30"	x 72"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,648.64	533.94
				<i>For 10 Fins Per Inch, Add</i>	51.63	
				<i>For 12 Fins Per Inch, Add</i>	129.06	
23 82 16 13-0023	EA	30"	x 84"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,657.47	621.52
				<i>For 10 Fins Per Inch, Add</i>	48.29	
				<i>For 12 Fins Per Inch, Add</i>	120.72	
23 82 16 13-0024	EA	34"	x 32"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,189.33	268.25
				<i>For 10 Fins Per Inch, Add</i>	33.06	
				<i>For 12 Fins Per Inch, Add</i>	82.64	
23 82 16 13-0025	EA	34"	x 48"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,847.72	403.46
				<i>For 10 Fins Per Inch, Add</i>	40.81	
				<i>For 12 Fins Per Inch, Add</i>	102.04	
23 82 16 13-0026	EA	34"	x 72"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,393.11	709.66
				<i>For 10 Fins Per Inch, Add</i>	59.48	
				<i>For 12 Fins Per Inch, Add</i>	148.69	
23 82 16 13-0027	EA	34"	x 84"	Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,043.30	827.02
				<i>For 10 Fins Per Inch, Add</i>	67.79	
				<i>For 12 Fins Per Inch, Add</i>	169.47	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)

23 82 16 13-0029	EA	12"	x 12"	Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,206.95	104.87
				<i>For 10 Fins Per Inch, Add</i>	19.93	
				<i>For 12 Fins Per Inch, Add</i>	49.81	
23 82 16 13-0030	EA	12"	x 24"	Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,423.43	156.90
				<i>For 10 Fins Per Inch, Add</i>	22.19	
				<i>For 12 Fins Per Inch, Add</i>	55.48	
23 82 16 13-0031	EA	24"	x 30"	Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,096.04	267.37
				<i>For 10 Fins Per Inch, Add</i>	31.25	
				<i>For 12 Fins Per Inch, Add</i>	78.12	
23 82 16 13-0032	EA	24"	x 48"	Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,725.17	400.25
				<i>For 10 Fins Per Inch, Add</i>	38.49	
				<i>For 12 Fins Per Inch, Add</i>	96.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 16 13-0033	EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,559.29 51.17 127.93	500.32
23 82 16 13-0034	EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,084.57 57.06 142.65	615.60
23 82 16 13-0035	EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,761.35 66.12 165.29	727.67
23 82 16 13-0036	EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,667.65 59.43 148.58	847.98
23 82 16 13-0037	EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,767.26 40.68 101.71	366.56
23 82 16 13-0038	EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,611.27 50.23 125.58	549.79
23 82 16 13-0039	EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,612.17 59.44 148.59	820.21
23 82 16 13-0040	EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,125.46 64.02 160.06	962.14
23 82 16 13-0041	8 Row Direct Expansion Cooling Coils <small>(23 82 16 13-0001)</small>		
23 82 16 13-0042	EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,499.49 24.91 62.27	126.49
23 82 16 13-0043	EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,839.64 28.98 72.46	195.33
23 82 16 13-0044	EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,790.57 41.89 104.72	348.23
23 82 16 13-0045	EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,761.86 53.89 134.73	533.94
23 82 16 13-0046	EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,538.16 64.08 160.20	667.64
23 82 16 13-0047	EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,291.84 73.82 184.54	800.52
23 82 16 13-0048	EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	6,058.44 85.59 213.98	889.38
23 82 16 13-0049	EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,406.28 66.86 167.15	1,031.63
23 82 16 13-0050	EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,181.91 45.77 114.42	446.69
23 82 16 13-0051	EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,168.77 56.51 141.28	671.56
23 82 16 13-0052	EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,364.75 66.86 167.16	1,010.73
23 82 16 13-0053	EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	5,955.77 72.03 180.07	1,177.23
23 82 16 14	Electric-Resistance Air Coils <small>(23 82 16)</small>		
23 82 16 14-0001	Standard Electric Slip-In Blast Coil Heater <small>(23 82 16 14)</small>		
23 82 16 14-0002	Electric Slip-In Blast Coil Heater With Open Coil Element <small>(23 82 16 14-0001)</small>		
23 82 16 14-0003	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	277.35	54.80
23 82 16 14-0004	EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	286.47	59.07
23 82 16 14-0005	EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	297.25	64.75
23 82 16 14-0006	EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	300.88	66.90
23 82 16 14-0007	EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	310.19	71.16
23 82 16 14-0008	EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	320.91	76.86
23 82 16 14-0009	EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	368.47	86.10
23 82 16 14-0010	EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	377.14	90.37
23 82 16 14-0011	EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	384.26	93.22
23 82 16 14-0012	EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	394.66	98.92
23 82 16 14-0013	EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	430.26	104.60
23 82 16 14-0014	EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	450.52	114.56
23 82 16 14-0015	EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	470.66	124.53
23 82 16 14-0016	EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	491.21	134.49
23 82 16 14-0017	EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	654.64	187.86
23 82 16 14-0018	EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,123.31	199.96
23 82 16 14-0019	EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,237.85	229.14
23 82 16 14-0020	EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,456.95	254.04
23 82 16 14-0021	EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,532.01	276.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,678.72	303.14
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,046.10	323.78
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,245.18	347.98
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,710.46	375.73
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,047.73	408.46

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)

23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	714.70	78.27
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	746.04	85.39
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	763.17	85.39
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	796.66	93.93
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,082.72	93.93
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,110.13	93.93
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,125.95	104.60
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,145.71	117.42
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,161.12	117.42
23 82 16 14-0037	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,349.27	134.49
23 82 16 14-0038	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,616.49	134.49
23 82 16 14-0039	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,758.28	156.56
23 82 16 14-0040	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,390.36	156.56

23 82 19 Fan Coil Units (23 82)

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)

23 82 19 00-0003	EA		200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,729.49	129.68
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-47.91	
23 82 19 00-0004	EA		300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,898.08	151.30
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.10	
23 82 19 00-0005	EA		400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,099.75	170.51
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.03	
23 82 19 00-0006	EA		600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,437.45	195.33
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.52	
23 82 19 00-0007	EA		800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,745.33	204.93
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-95.79	
23 82 19 00-0008	EA		1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,791.00	216.94
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.45	
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,628.77	235.36
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-100.32	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)

23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	905.91	129.68
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-47.91	
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,108.08	151.30
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.10	
23 82 19 00-0013	EA		400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,322.55	170.51
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.03	
23 82 19 00-0014	EA		600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,629.35	195.33
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.52	
23 82 19 00-0015	EA		800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,969.21	205.74
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-95.79	
23 82 19 00-0016	EA		1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,110.83	216.94
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.45	
23 82 19 00-0017	EA		1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,236.46	235.36
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-100.32	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)

23 82 19 00-0020	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,665.52	128.88
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-224.00	
			<i>For Thru-Wall Sleeve, Add</i>	106.65	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-47.91	
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,901.27	151.30
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-254.98	
			<i>For Thru-Wall Sleeve, Add</i>	115.42	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.10	
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,259.67	170.51
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-304.89	
			<i>For Thru-Wall Sleeve, Add</i>	123.13	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.03	
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,597.36	195.33
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-350.56	
			<i>For Thru-Wall Sleeve, Add</i>	133.10	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-54.52	
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,937.23	205.74
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-399.53	
			<i>For Thru-Wall Sleeve, Add</i>	137.10	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-95.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 19 00-0025	EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,791.00 -525.38 141.54 -97.45	216.94
23 82 19 00-0026	EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,468.85 -623.24 149.18 -100.32	235.36
23 82 19 00-0027	Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0018)		
23 82 19 00-0028	EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	1,857.42 -252.79 106.65 -47.91	128.88
23 82 19 00-0029	EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,093.18 -283.77 115.42 -50.10	151.30
23 82 19 00-0030	EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,579.51 -352.86 123.13 -52.03	170.51
23 82 19 00-0031	EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	2,949.18 -403.33 133.10 -54.52	195.33
23 82 19 00-0032	EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,289.05 -452.31 137.10 -95.79	205.74
23 82 19 00-0033	EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,950.91 -549.37 141.54 -97.45	216.94
23 82 19 00-0034	EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,628.77 -647.23 149.18 -100.32	235.36
23 82 19 00-0035	Removal And Reinstallation Of Fan Coil Units (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	340.36	
23 82 29	Radiators (23 82)		
23 82 29 00-0001	Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002	LF Demolish Cast Iron Radiator.....	24.00	
23 82 29 00-0003	EA Cap Radiator.....	38.81	
23 82 29 00-0004	Cast Iron Radiator (23 82 29)		
23 82 29 00-0005	EA 19" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	45.44 24.82	
23 82 29 00-0006	EA 25" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	65.97 25.87	
23 82 29 00-0007	EA 30" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	77.28 26.57	
23 82 29 00-0008	EA 36" High Cast Iron Radiator Section, Free Standing..... <i>For Wall Support Bracket, Add</i>	98.30 27.62	
23 82 29 00-0009	Radiator Covers (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0010	SF 14 Gauge Stainless Steel Radiator Cover	90.74	3.86
23 82 29 00-0011	SF Primed And Painted, Galvanized Steel Radiator Cover	56.15	3.86
23 82 29 00-0012	Radiator Shields (23 82 29)		
23 82 29 00-0013	SF Stainless Steel Radiator Shield.....	51.30	3.86
23 82 29 00-0014	SF Primed And Painted, Galvanized Steel Radiator Shield.....	40.90	3.86
23 82 29 00-0015	Removal And Reinstallation Of Radiator (23 82 29) Note: Includes storage and cleaning.		
23 82 29 00-0016	LF Removal And Reinstallation Of Cast Iron Radiator	60.04	
23 82 29 00-0017	LF Removal And Reinstallation Of Electric Radiator.....	40.03	
23 82 29 00-0018	Security Radiator Enclosures (23 82 29) Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.		
23 82 29 00-0019	12 Gage Security Radiator Enclosures (23 82 29 00-0018) Note: Excludes finned tube.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 29 00-0020	LF	12"	12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	175.36	34.59
23 82 29 00-0021	LF	18"	18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	194.98	38.43

23 82 29 00-0022 14 Gage Security Radiator Enclosures (23 82 29 00-0018)
 Note: Excludes finned tube.

23 82 29 00-0023	LF	12"	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front.....	151.50	34.59
23 82 29 00-0024	LF	12"	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front.....	151.50	34.59
23 82 29 00-0025	LF	12"	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front.....	163.43	34.59
23 82 29 00-0026	LF	12"	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front.....	163.43	34.59

23 82 29 00-0027 Finned Tube Element (23 82 29 00-0018)
 Note: As manufactured by Vulcan.

23 82 29 00-0028	LF	Vulcan	Vulcan Fin Tube Element With Hangers.....	76.21	23.07
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Note: 1" or 1-1/4" x 4-1/4" x 48"/.020 as manufactured by Vulcan Radiator Company.

23 82 33 Convectors (23 82)

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)
 Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0003	EA	20"	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	421.20	88.05
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	46.03	
			<i>For Snap-On Inlet Grille, Add</i>	36.68	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	100.72	
23 82 33 00-0004	EA	20"	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	497.27	96.07
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	49.66	
			<i>For Snap-On Inlet Grille, Add</i>	39.11	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	123.11	
23 82 33 00-0005	EA	20"	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	571.77	113.67
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	57.62	
			<i>For Snap-On Inlet Grille, Add</i>	44.42	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	139.89	
23 82 33 00-0006	EA	20"	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	685.16	132.08
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	66.03	
			<i>For Snap-On Inlet Grille, Add</i>	50.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	169.77	
23 82 33 00-0007	EA	20"	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	816.93	158.50
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	78.03	
			<i>For Snap-On Inlet Grille, Add</i>	58.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	201.89	
23 82 33 00-0008	EA	20"	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	919.57	174.36
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	85.23	
			<i>For Snap-On Inlet Grille, Add</i>	62.82	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	229.41	
23 82 33 00-0009	EA	20"	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,067.34	211.33
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	102.03	
			<i>For Snap-On Inlet Grille, Add</i>	74.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	261.53	
23 82 33 00-0010	EA	20"	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,166.01	224.54
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	108.04	
			<i>For Snap-On Inlet Grille, Add</i>	78.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	289.06	
23 82 33 00-0011	EA	20"	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,271.55	250.96
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	120.03	
			<i>For Snap-On Inlet Grille, Add</i>	86.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	312.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 33 00-0012	EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,403.38 15.00 132.05 94.03 15.00 18.00 344.12	277.38
23 82 33 00-0013	EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,508.92 15.00 144.05 102.03 15.00 18.00 367.06	303.79
23 82 33 00-0014	26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015	EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	493.48 15.00 58.12 44.74 15.00 18.00 111.92	115.83
23 82 33 00-0016	EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	579.64 15.00 66.52 50.35 15.00 18.00 132.27	134.57
23 82 33 00-0017	EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	701.94 15.00 77.05 57.37 15.00 18.00 162.79	158.03
23 82 33 00-0018	EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	824.05 15.00 85.21 62.81 15.00 18.00 196.01	176.20
23 82 33 00-0019	EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	962.90 15.00 95.08 69.39 15.00 18.00 233.09	198.13
23 82 33 00-0020	EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,078.53 15.00 102.53 74.35 15.00 18.00 264.87	214.62
23 82 33 00-0021	EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,229.94 15.00 116.16 83.44 15.00 18.00 301.96	244.56
23 82 33 00-0022	EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,342.90 15.00 122.81 87.87 15.00 18.00 333.74	259.53
23 82 33 00-0023	EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,453.22 15.00 133.20 94.80 15.00 18.00 360.23	282.98
23 82 33 00-0024	EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,594.18 15.00 143.70 101.80 15.00 18.00 397.31	305.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 33 00-0025	EA	26"	High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,701.36	327.01
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	153.15	
			<i>For Snap-On Inlet Grille, Add</i>	108.10	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	423.80	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0027	EA	32"	High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	565.09	140.89
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	70.01	
			<i>For Snap-On Inlet Grille, Add</i>	52.67	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	123.11	
23 82 33 00-0028	EA	32"	High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	673.92	170.51
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	83.47	
			<i>For Snap-On Inlet Grille, Add</i>	61.65	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	145.49	
23 82 33 00-0029	EA	32"	High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	813.46	199.33
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	96.56	
			<i>For Snap-On Inlet Grille, Add</i>	70.37	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	179.06	
23 82 33 00-0030	EA	32"	High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	944.20	216.62
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	104.46	
			<i>For Snap-On Inlet Grille, Add</i>	75.64	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	215.60	
23 82 33 00-0031	EA	32"	High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,086.89	234.07
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	112.30	
			<i>For Snap-On Inlet Grille, Add</i>	80.87	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	256.40	
23 82 33 00-0032	EA	32"	High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,212.56	250.96
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	120.03	
			<i>For Snap-On Inlet Grille, Add</i>	86.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	291.36	
23 82 33 00-0033	EA	32"	High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,361.29	272.09
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	129.69	
			<i>For Snap-On Inlet Grille, Add</i>	92.46	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	332.15	
23 82 33 00-0034	EA	32"	High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,487.77	289.54
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	137.66	
			<i>For Snap-On Inlet Grille, Add</i>	97.78	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	367.11	
23 82 33 00-0035	EA	32"	High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,599.83	309.08
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	146.31	
			<i>For Snap-On Inlet Grille, Add</i>	103.54	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	396.25	
23 82 33 00-0036	EA	32"	High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,745.14	327.57
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	154.94	
			<i>For Snap-On Inlet Grille, Add</i>	109.29	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	437.03	
23 82 33 00-0037	EA	32"	High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,852.01	343.42
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	162.03	
			<i>For Snap-On Inlet Grille, Add</i>	114.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	466.17	

23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0039		4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	432.04	76.11
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	479.91	76.11
23 82 33 00-0042		6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	502.01	76.11
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	575.67	76.11
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	640.12	76.11
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	741.40	76.11
23 82 36		Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001		Electric Baseboard Heating (23 82 36) Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002		Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	94.05	42.29
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	96.26	42.29
23 82 36 00-0005		Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	116.14	42.29
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	121.67	42.29
23 82 36 00-0008		Finned Tube Baseboard Units (23 82 36) Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009	LF	3/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... For Copper Tube With Aluminum Fins, Add	53.66 1.53	8.00
23 82 36 00-0010	LF	1" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... For Copper Tube With Aluminum Fins, Add	68.25 2.19	8.80
23 82 36 00-0011	LF	1-1/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... For Copper Tube With Aluminum Fins, Add	83.00 2.85	9.61
23 82 39		Unit Heaters (23 82)		
23 82 39 13		Cabinet Unit Heaters (23 82 39)		
23 82 39 13-0001		Electric Cabinet Unit Heaters (23 82 39 13) Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002		Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,204.95	96.10
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,222.61	96.10
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,240.28	96.10
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,257.93	96.10
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,275.60	96.10
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,293.26	96.10
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,311.63	96.10
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	128.38	63.81
23 82 39 13-0011		Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,338.77	115.31
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,374.10	115.31
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,409.42	115.31
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,444.75	115.31
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,480.07	115.31
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,515.40	115.31
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,550.71	115.31
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	153.76	76.88
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,933.50	153.76
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,968.81	153.76
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,004.14	153.76

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,039.46	153.76
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,074.79	153.76
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,110.11	153.76
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add	192.19	96.10
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,457.59	192.19
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,510.57	192.19
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,563.55	192.19
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,616.53	192.19
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,669.53	192.19
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,722.51	192.19
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	3,775.49	192.19
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add	256.78	128.38
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,052.31	230.64
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,122.96	230.64
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,193.60	230.64
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,264.25	230.64
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,334.90	230.64
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,405.55	230.64
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	4,476.20	230.64
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add	307.51	153.76
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	220.14	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	380.25	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	453.90	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	613.99	
23 82 39 16 Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	720.46	80.05
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	721.99	80.05
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	809.84	80.05
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	981.33	120.08
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,026.28	120.08
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,093.21	120.08
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,305.03	160.11
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,439.88	160.11
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,525.69	160.11
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,595.16	160.11
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,791.66	200.13
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,815.17	200.13
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,837.64	200.13
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,945.24	240.16
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,120.95	240.16
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,416.68	280.19
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,053.12	280.19
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,237.30	320.21
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,891.12	320.21
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	195.81	20.01
Note: Required only for unit heaters located within 7' of a working surface.		
23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,041.62	80.05
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,090.14	120.08
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,178.51	120.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating and Cooling Units

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0027	EA		101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,442.95	160.11
23 82 39 16-0028	EA		124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,529.78	160.11
23 82 39 16-0029	EA		152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,787.91	240.16
23 82 39 16-0030	EA		173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,920.72	240.16
23 82 39 16-0031	EA		210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,032.08	240.16
23 82 39 16-0032	EA		249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,264.45	280.19
23 82 39 16-0033	EA		283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,396.25	280.19
23 82 39 16-0034	EA		333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,662.87	280.19
23 82 39 16-0035	EA		386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,066.05	360.23
23 82 39 16-0036	EA		496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,952.79	360.23
23 82 39 16-0037	EA		585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,224.54	360.23
23 82 39 16-0038	EA		705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,813.34	400.25
23 82 39 16-0039	EA		Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	271.41	20.01

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA		Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	480.31	
23 82 39 16-0042	EA		Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	640.41	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)

23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA		3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	625.24	76.88
23 82 39 19-0003	EA		5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	625.24	76.88
23 82 39 19-0004	EA		7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	841.16	96.10
23 82 39 19-0005	EA		10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	962.96	115.31
23 82 39 19-0006	EA		15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,410.26	153.76
23 82 39 19-0007	EA		20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,065.60	192.19
23 82 39 19-0008	EA		30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	2,863.40	230.64
23 82 39 19-0009	EA		50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,209.79	269.07
23 82 39 19-0010	EA		3 KW, 350 CFM Electric Unit Heater - 480 Volt	778.51	76.88
23 82 39 19-0011	EA		5 KW, 350 CFM Electric Unit Heater - 480 Volt	748.59	76.88
23 82 39 19-0012	EA		7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	884.97	96.10
23 82 39 19-0013	EA		10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,019.95	115.31
23 82 39 19-0014	EA		15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,524.24	153.76

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA		1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	316.38	48.05
23 82 39 19-0017	EA		1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	372.05	53.82
23 82 39 19-0018	EA		3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	605.68	53.82
23 82 39 19-0019	EA		1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater.....	364.36	48.05
23 82 39 19-0020	EA		1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	447.78	53.82
23 82 39 19-0021	EA		3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	694.63	53.82
23 82 39 19-0022	EA		1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	479.02	63.42
23 82 39 19-0023	EA		3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	932.86	67.26
23 82 39 19-0024	EA		4,800/3,600 Watt Recessed Electric Ceiling Heater	1,056.33	67.26
23 82 39 19-0025	EA		4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,231.62	71.12
23 82 39 19-0026	EA		5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,340.03	71.12
23 82 39 19-0027	EA		1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	543.15	63.42
23 82 39 19-0028	EA		3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,033.88	67.26
23 82 39 19-0029	EA		4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,157.35	67.26
23 82 39 19-0030	EA		Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	444.38	48.05

23 82 39 19-0031 Vandal Resistant Security Electric Unit Heaters (23 82 39 19)

Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.

23 82 39 19-0032	EA		8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	840.09	41.15
23 82 39 19-0033	EA		10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	909.36	44.64

23 82 39 19-0034 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0035	EA		Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	288.20	
23 82 39 19-0036	EA		Removal And Reinstallation Of >15 KW Electric Unit Heater.....	592.45	

23 83 Radiant Heating Units (23 80)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0002	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	7.93	0.58
23 83 13 13-0003	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	8.50	0.58
23 83 13 13-0004	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	8.90	0.58
23 83 13 13-0005	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	7.93	0.58
23 83 13 13-0006	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	9.46	0.58
23 83 13 13-0007	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.03	0.58
23 83 13 13-0008	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	10.02	0.58
23 83 13 13-0009	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.28	0.58
23 83 13 13-0010	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.55	0.58
23 83 13 13-0011	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.02	0.58
23 83 13 13-0012	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	10.28	0.58
23 83 13 13-0013	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	10.55	0.58
23 83 13 13-0014	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	12.65	0.58
23 83 13 13-0015	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.17	0.58
23 83 13 13-0016	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.43	0.58
23 83 13 13-0017	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	12.65	0.58
23 83 13 13-0018	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F	13.17	0.58
23 83 13 13-0019	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.43	0.58
23 83 13 13-0020	EA		Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	222.60	45.49
23 83 13 13-0021	EA		Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	222.60	45.49
23 83 13 13-0022	EA		End Seal Kit For Self Regulating Low Temperature Heating Cable.....	148.17	8.27
23 83 13 13-0023	EA		Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	401.88	20.68
23 83 13 13-0024	EA		Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable.....	442.83	20.68

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001			Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16) Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 16-0002	EA		1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,964.66	329.82
23 84 13 16-0003	EA		20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	11,373.88	330.61

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001			Steam Type Pneumatically Controlled (23 84 13 23) Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,435.13	211.33
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	441.21	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,435.13	211.33
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	441.21	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	2,069.00	211.33
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	631.37	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	2,149.04	264.17
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	658.05	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	3,111.26	211.33
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	944.05	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	3,191.30	264.17
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	970.73	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 84 13 23-0008	EA	220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	4,819.83		264.17
		<i>For Electrically Controlled Unit, Add</i>	700.00		
		<i>For Each Additional Manifold, Add</i>	1,459.29		
23 84 13 23-0009	EA	220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	4,919.90		330.61
		<i>For Electrically Controlled Unit, Add</i>	700.00		
		<i>For Each Additional Manifold, Add</i>	1,492.65		
23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)					
23 84 13 29-0001		Residential Humidifiers (23 84 13 29)			
		Note: Includes solenoid valve and flow through water supply.			
23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type.....	410.65		40.03
23 84 16 Mechanical Dehumidification Units (23 84)					
23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)					
23 84 16 16-0001		Mechanical Dehumidification Units (23 84 16 16)			
		Note: Sized by moisture removal per 24 hours.			
23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,584.51		38.43
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	1,995.34		44.84
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	2,679.14		51.25
23 84 16 33 Portable Dehumidifiers (23 84 16)					
23 84 16 33-0001		Self Contained Free Standing Unit (23 84 16 33)			
		Note: Sized by moisture removal per 24 hours.			
23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier.....	347.19		83.38
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier.....	421.22		83.38
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	465.64		83.38

END OF SECTION 23

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91) Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	376.09	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	81.21	
	For >20 To 50, Add	64.96	
	For >50 To 100, Add	32.48	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	492.52	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	110.31	
	For >20 To 50, Add	88.25	
	For >50 To 100, Add	44.13	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	748.65	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	174.35	
	For >20 To 50, Add	139.48	
	For >50 To 100, Add	69.74	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	372.77	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	80.38	
	For >20 To 50, Add	64.30	
	For >50 To 100, Add	32.15	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	374.82	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	80.89	
	For >20 To 50, Add	64.71	
	For >50 To 100, Add	32.36	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	483.04	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	107.94	
	For >20 To 50, Add	86.35	
	For >50 To 100, Add	43.18	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	727.60	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	169.08	
	For >20 To 50, Add	135.27	
	For >50 To 100, Add	67.63	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	292.27	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	60.25	
	For >20 To 50, Add	48.20	
	For >50 To 100, Add	24.10	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	418.01	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	91.69	
	For >20 To 50, Add	73.35	
	For >50 To 100, Add	36.67	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	601.37	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	137.53	
	For >20 To 50, Add	110.02	
	For >50 To 100, Add	55.01	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	546.97	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	123.93	
	For >20 To 50, Add	99.14	
	For >50 To 100, Add	49.57	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	757.33	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	176.52	
	For >20 To 50, Add	141.21	
	For >50 To 100, Add	70.61	
26 01 10 91-0014	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,399.86	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	337.15	
	For >20 To 50, Add	269.72	
	For >50 To 100, Add	134.86	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	630.58
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	144.83
		<i>For >20 To 50, Add</i>	115.86
		<i>For >50 To 100, Add</i>	57.93
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	935.18
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	220.98
		<i>For >20 To 50, Add</i>	176.78
		<i>For >50 To 100, Add</i>	88.39

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	29.77
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	29.77
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out/Tag Out Padlock Device	8.27
26 01 20 91-0005	EA	Lock Out/Tag Out Tags.....	2.76
26 01 20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>	
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	17.19
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	17.19

26 01 50 Operation and Maintenance of Lighting (26 01)**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0366 for disposal of hazardous lamps.	
26 01 50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	39.12
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	50.70
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	76.05
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	17.70
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	17.70
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp.....	20.49
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	22.22
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp.....	21.78
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp.....	23.10
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp.....	23.38
26 01 50 51-0013		Incandescent Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp	4.78
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.37
26 01 50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp	6.09
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.37
26 01 50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp	7.56
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.37
26 01 50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp	9.41
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.37
26 01 50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	6.91
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.37
26 01 50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp	11.16
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.64
26 01 50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp.....	13.75
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.64
26 01 50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp.....	12.72
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.64
26 01 50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp.....	22.53
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.64
26 01 50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp.....	47.13
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.92
26 01 50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp.....	54.33
		<i>For Multiple Lamps In Fixture, Deduct</i>	-1.92
26 01 50 51-0025		Exit Light Lamps <small>(26 01 50 51-0001)</small>	
26 01 50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps	80.80
		<i>For Green LED Lamps, Add</i>	25.00
26 01 50 51-0027	EA	Fluorescent Lamp For Exit Light.....	23.10
		<i>For Multiple Lamps In Fixture, Deduct</i>	-5.48

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign <i>For Multiple Lamps In Fixture, Deduct</i>	31.79	-2.74
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26 01 50 51-0029 Fluorescent Lamps (26 01 50 51-0001)

26 01 50 51-0030	EA	18", 15 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.76	-2.19
26 01 50 51-0031	EA	2", 17 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.59	-2.19
26 01 50 51-0032	EA	3", 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	12.17	-2.47
26 01 50 51-0033	EA	4", 32 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.95	-2.47
26 01 50 51-0034	EA	4", 30 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	15.32	-2.47
26 01 50 51-0035	EA	4", 28 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.40	-2.47
26 01 50 51-0036	EA	4", 25 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.32	-2.47
26 01 50 51-0037	EA	4", 44 Watt, T8HO Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	21.59	-2.47
26 01 50 51-0038	EA	8", 59 Watt, T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	16.40	-2.47
26 01 50 51-0039	EA	18", 15 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.36	-2.19
26 01 50 51-0040	EA	2", 20 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.06	-2.19
26 01 50 51-0041	EA	3", 30 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.30	-2.47
26 01 50 51-0042	EA	4", 34 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.36	-2.47
26 01 50 51-0043	EA	4", 40 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.12	-2.47
26 01 50 51-0044	EA	8", 60 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	16.82	-2.47
26 01 50 51-0045	EA	8", 75 Watt, T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	14.16	-2.47
26 01 50 51-0046	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.53	-2.19
26 01 50 51-0047	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.08	-2.19
26 01 50 51-0048	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.71	-2.19
26 01 50 51-0049	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.88	-2.19
26 01 50 51-0050	EA	6", 4 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.75	-2.19
26 01 50 51-0051	EA	9", 6 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.58	-2.19
26 01 50 51-0052	EA	12", 8 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	9.90	-2.19
26 01 50 51-0053	EA	21", 13 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	10.36	-2.19
26 01 50 51-0054	EA	24", 14 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	11.98	-2.19
26 01 50 51-0055	EA	34", 21 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.02	-2.47
26 01 50 51-0056	EA	46", 28 Watt, T5 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	12.60	-2.47
26 01 50 51-0057	EA	46", 54 Watt, T5HO Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	13.82	-2.47
26 01 50 51-0058	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	7.75	-1.37
26 01 50 51-0059	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	8.59	-1.37
26 01 50 51-0060	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	17.85	-1.37
26 01 50 51-0061	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	19.74	-2.74
26 01 50 51-0062	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp <i>For Multiple Lamps In Fixture, Deduct</i>	19.01	-2.74
26 01 50 51-0063	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	7.08	
26 01 50 51-0064	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	6.24	
26 01 50 51-0065	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	6.24	
26 01 50 51-0066	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	24.04	
26 01 50 51-0067	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	26.15	
26 01 50 51-0068	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	49.00	
26 01 50 51-0069	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	58.52	
26 01 50 51-0070	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	60.46	
26 01 50 51-0071	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	22.66	
26 01 50 51-0072	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	23.59	
26 01 50 51-0073	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	27.08	

26 01 50 51-0074 Mercury Vapor Lamps (26 01 50 51-0001)

26 01 50 51-0075	EA	100 Watt, Mercury Vapor Lamp	33.44	
26 01 50 51-0076	EA	175 Watt, Mercury Vapor Lamp	30.23	
26 01 50 51-0077	EA	250 Watt, Mercury Vapor Lamp	28.64	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01	50 51-0078	EA	400 Watt, Mercury Vapor Lamp	35.42	
26 01	50 51-0079	EA	1,000 Watt, Mercury Vapor Lamp	62.72	
26 01 50 51-0080	Metal Halide Lamps <small>(26 01 50 51-0001)</small>				
26 01	50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp	34.11	
26 01	50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp	32.62	
26 01	50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp	37.35	
26 01	50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp	36.28	
26 01	50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	35.97	
26 01	50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp	36.18	
26 01	50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp	43.73	
26 01	50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp	50.96	
26 01	50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp	50.66	
26 01 50 51-0090	High Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>				
26 01	50 51-0091	EA	35 Watt, High Pressure Sodium Lamp	28.01	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0092	EA	50 Watt, High Pressure Sodium Lamp	28.01	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0093	EA	70 Watt, High Pressure Sodium Lamp	28.65	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0094	EA	100 Watt, High Pressure Sodium Lamp	29.88	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0095	EA	150 Watt, High Pressure Sodium Lamp	28.65	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0096	EA	250 Watt, High Pressure Sodium Lamp	28.65	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0097	EA	400 Watt, High Pressure Sodium Lamp	26.82	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	2.10	
26 01	50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp	63.09	
26 01 50 51-0099	Low Pressure Sodium Lamps <small>(26 01 50 51-0001)</small>				
26 01	50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp	72.40	
26 01	50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp	80.88	
26 01	50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp	82.79	
26 01	50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp	84.70	
26 01	50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp	92.34	
26 01	50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp	126.72	
26 01 50 51-0106	LED Lamps <small>(26 01 50 51-0001)</small>				
26 01 50 51-0107	LED Lamps, Candelabra Base, CA10 <small>(26 01 50 51-0106)</small>				
26 01	50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	9.84	
26 01 50 51-0109	LED Lamps, Medium Base, A19 Or A21 <small>(26 01 50 51-0106)</small>				
26 01	50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.74	
26 01	50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	12.74	
26 01	50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	20.52	
26 01	50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	14.70	
26 01	50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	25.39	
26 01 50 51-0115	LED Lamps, Medium Base, BR30 Or BR40 <small>(26 01 50 51-0106)</small>				
26 01	50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	17.38	
26 01	50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	15.73	
26 01	50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	20.10	
26 01	50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.19	
26 01	50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	22.05	
26 01	50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	17.19	
26 01 50 51-0122	LED Lamps, Medium Base, PAR <small>(26 01 50 51-0106)</small>				
26 01	50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	18.94	
26 01	50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	24.98	
26 01	50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.98	
26 01	50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	24.01	
26 01	50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	23.03	
26 01	50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	23.03	
26 01	50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	42.69	
26 01	50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.98	
26 01	50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.01	
26 01	50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	24.98	
26 01	50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	24.98	
26 01 50 51-0134	LED Lamps, GU Base, MR16 <small>(26 01 50 51-0106)</small>				
26 01	50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	13.79	
26 01	50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	17.38	
26 01	50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	18.94	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0138

LED Lamps, PL Series (26 01 50 51-0106)

26 01 50 51-0139	EA 3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	17.00	
26 01 50 51-0140	EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR).....	21.85	
26 01 50 51-0141	EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR).....	17.72	
26 01 50 51-0142	EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR).....	20.30	
26 01 50 51-0143	EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR).....	20.30	
26 01 50 51-0144	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR).....	24.94	
26 01 50 51-0145	EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR).....	20.30	
26 01 50 51-0146	EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR).....	20.30	
26 01 50 51-0147	EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR).....	20.30	
26 01 50 51-0148	EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR).....	20.30	
26 01 50 51-0149	EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR).....	23.39	
26 01 50 51-0150	EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR).....	23.39	
26 01 50 51-0151	EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR).....	23.39	
26 01 50 51-0152	EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR).....	23.39	
26 01 50 51-0153	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR).....	21.85	
26 01 50 51-0154	EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR).....	21.85	
26 01 50 51-0155	EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR).....	21.85	
26 01 50 51-0156	EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR).....	22.88	
26 01 50 51-0157	EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR).....	22.88	
26 01 50 51-0158	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	23.10	
26 01 50 51-0159	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	23.10	
26 01 50 51-0160	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	23.10	
26 01 50 51-0161	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	23.10	
26 01 50 51-0162	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	23.91	
26 01 50 51-0163	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	23.91	
26 01 50 51-0164	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	23.91	
26 01 50 51-0165	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	23.91	
26 01 50 51-0166	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	23.91	
26 01 50 51-0167	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	23.91	
26 01 50 51-0168	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	23.91	
26 01 50 51-0169	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	23.91	
26 01 50 51-0170	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	31.96	
26 01 50 51-0171	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	31.96	
26 01 50 51-0172	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	31.96	
26 01 50 51-0173	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	30.10	
26 01 50 51-0174	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	30.10	
26 01 50 51-0175	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	30.10	
26 01 50 51-0176	EA 4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	18.09	

26 01 50 51-0177

HID LED Lamps, Medium Base E26 (26 01 50 51-0106)

26 01 50 51-0178	EA 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	65.65	
26 01 50 51-0179	EA 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	65.65	
26 01 50 51-0180	EA 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	84.71	
26 01 50 51-0181	EA 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	84.71	
26 01 50 51-0182	EA 10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	52.39	
26 01 50 51-0183	EA 10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	52.39	
26 01 50 51-0184	EA 10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	52.39	
26 01 50 51-0185	EA 10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	52.39	
26 01 50 51-0186	EA 15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	54.45	
26 01 50 51-0187	EA 15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	54.45	
26 01 50 51-0188	EA 15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	54.45	
26 01 50 51-0189	EA 15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	54.45	
26 01 50 51-0190	EA 20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	62.69	
26 01 50 51-0191	EA 20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	62.69	
26 01 50 51-0192	EA 20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	62.69	
26 01 50 51-0193	EA 20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	62.69	
26 01 50 51-0194	EA 25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	73.00	
26 01 50 51-0195	EA 25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	73.00	
26 01 50 51-0196	EA 25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	73.00	
26 01 50 51-0197	EA 25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	73.00	
26 01 50 51-0198	EA 30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	95.67	
26 01 50 51-0199	EA 30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	95.67	
26 01 50 51-0200	EA 30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	95.67	
26 01 50 51-0201	EA 30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	95.67	
26 01 50 51-0202	EA 40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	115.25	
26 01 50 51-0203	EA 40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	115.25	
26 01 50 51-0204	EA 40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	115.25	
26 01 50 51-0205	EA 40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	115.25	
26 01 50 51-0206	EA 60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	128.65	
26 01 50 51-0207	EA 60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	128.65	
26 01 50 51-0208	EA 60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	128.65	
26 01 50 51-0209	EA 60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	128.65	
26 01 50 51-0210	EA 80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	177.08	
26 01 50 51-0211	EA 80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	177.08	
26 01 50 51-0212	EA 80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	177.08	
26 01 50 51-0213	EA 80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	177.08	
26 01 50 51-0214	EA 100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	183.26	
26 01 50 51-0215	EA 100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	183.26	
26 01 50 51-0216	EA 100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	183.26	
26 01 50 51-0217	EA 100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	183.26	
26 01 50 51-0218	EA 120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	219.33	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0219	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	219.33
26 01 50 51-0220	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	219.33
26 01 50 51-0221	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	219.33
26 01 50 51-0222	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	262.61
26 01 50 51-0223	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	262.61
26 01 50 51-0224	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	262.61
26 01 50 51-0225	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	262.61
26 01 50 51-0226	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	82.62
26 01 50 51-0227	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	89.83
26 01 50 51-0228	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	89.83
26 01 50 51-0229	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	82.62
26 01 50 51-0230	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	105.29
26 01 50 51-0231	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	96.01
26 01 50 51-0232	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	116.62
26 01 50 51-0233	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	115.41
26 01 50 51-0234	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	118.17
26 01 50 51-0235	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	118.17
26 01 50 51-0236	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	69.25
26 01 50 51-0237	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	69.25
26 01 50 51-0238	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	78.78
26 01 50 51-0239	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	78.78
26 01 50 51-0240	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	85.12
26 01 50 51-0241	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	85.12
26 01 50 51-0242	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	94.64
26 01 50 51-0243	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	94.64
26 01 50 51-0244	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	95.14
26 01 50 51-0245	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	103.59
26 01 50 51-0246	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	130.28
26 01 50 51-0247	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	144.08
26 01 50 51-0248	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	53.09
26 01 50 51-0249	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	60.51
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	64.22
26 01 50 51-0251	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	71.12
26 01 50 51-0252	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	86.71
26 01 50 51-0253	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	102.57
26 01 50 51-0254	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	142.20
26 01 50 51-0255	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	150.12
26 01 50 51-0256	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	162.81
26 01 50 51-0257	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	170.73
26 01 50 51-0258	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	248.42
26 01 50 51-0259	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-10D-20W-E26-50K)	61.20

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0106)

26 01 50 51-0261	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	235.35
26 01 50 51-0262	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	235.35
26 01 50 51-0263	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	235.35
26 01 50 51-0264	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	65.65
26 01 50 51-0265	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	65.65
26 01 50 51-0266	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	65.65
26 01 50 51-0267	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	84.71
26 01 50 51-0268	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	84.71
26 01 50 51-0269	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	84.71
26 01 50 51-0270	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	161.99
26 01 50 51-0271	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	177.08
26 01 50 51-0272	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	177.08
26 01 50 51-0273	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	177.08
26 01 50 51-0274	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	177.08
26 01 50 51-0275	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	183.26
26 01 50 51-0276	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	183.26
26 01 50 51-0277	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	183.26
26 01 50 51-0278	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	183.26
26 01 50 51-0279	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	219.33
26 01 50 51-0280	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	219.33
26 01 50 51-0281	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	219.33
26 01 50 51-0282	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	219.33
26 01 50 51-0283	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	262.61
26 01 50 51-0284	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	262.61
26 01 50 51-0285	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	262.61
26 01 50 51-0286	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	262.61
26 01 50 51-0287	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	89.83
26 01 50 51-0288	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	89.83
26 01 50 51-0289	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	105.29
26 01 50 51-0290	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	103.86
26 01 50 51-0291	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	116.62
26 01 50 51-0292	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	115.41
26 01 50 51-0293	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	118.17
26 01 50 51-0294	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	114.58
26 01 50 51-0295	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	254.71
26 01 50 51-0296	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	89.80
26 01 50 51-0297	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	89.80
26 01 50 51-0298	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	102.62
26 01 50 51-0299	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	102.62
26 01 50 51-0300	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	110.33

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0301	EA 40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	110.33	
26 01 50 51-0302	EA 27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	69.13	
26 01 50 51-0303	EA 27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	69.13	
26 01 50 51-0304	EA 36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	78.78	
26 01 50 51-0305	EA 36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	78.78	
26 01 50 51-0306	EA 45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	85.12	
26 01 50 51-0307	EA 45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	85.12	
26 01 50 51-0308	EA 54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	94.64	
26 01 50 51-0309	EA 54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	94.64	
26 01 50 51-0310	EA 65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	174.90	
26 01 50 51-0311	EA 80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	203.13	
26 01 50 51-0312	EA 100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	243.32	
26 01 50 51-0313	EA 120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	479.99	
26 01 50 51-0314	EA 150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	452.96	
26 01 50 51-0315	EA 200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	479.99	
26 01 50 51-0316	EA 250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	482.09	
26 01 50 51-0317	EA 24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	68.65	
26 01 50 51-0318	EA 24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	68.65	
26 01 50 51-0319	EA 24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	68.65	
26 01 50 51-0320	EA 100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	208.92	
26 01 50 51-0321	EA 115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	283.22	
26 01 50 51-0322	EA 40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	173.15	
26 01 50 51-0323	EA 100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	205.15	
26 01 50 51-0324	EA 45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	86.79	
26 01 50 51-0325	EA 40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	197.09	
26 01 50 51-0326	LED Lamps, 2G11 Base <small>(26 01 50 51-0106)</small>		
26 01 50 51-0327	EA 19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	33.11	
26 01 50 51-0328	LED Lamps, GX23 Or G23 Base <small>(26 01 50 51-0106)</small>		
26 01 50 51-0329	EA 5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	16.23	
26 01 50 51-0330	LED Lamps, G24 Base <small>(26 01 50 51-0106)</small>		
26 01 50 51-0331	EA 5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	21.12	
26 01 50 51-0332	LED Tubes (Fluorescent Lamp Replacement) <small>(26 01 50 51-0106)</small>		
26 01 50 51-0333	EA 2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	28.98	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.19	
26 01 50 51-0334	EA 2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	37.77	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.19	
26 01 50 51-0335	EA 3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	31.24	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.33	
26 01 50 51-0336	EA 4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	34.21	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.47	
26 01 50 51-0337	EA 4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	37.51	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.47	
26 01 50 51-0338	EA 4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	23.50	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.47	
26 01 50 51-0339	EA 2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	22.67	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.19	
26 01 50 51-0340	EA 2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	20.63	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.19	
26 01 50 51-0341	EA 3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	20.98	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.33	
26 01 50 51-0342	EA 4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	20.96	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.47	
26 01 50 51-0343	EA 4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	21.74	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.47	
26 01 50 51-0344	Filament LED Lamps <small>(26 01 50 51-0106)</small>		
26 01 50 51-0345	EA 7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	19.40	
26 01 50 51-0346	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	19.40	
26 01 50 51-0347	EA 4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	18.37	
26 01 50 51-0348	EA 4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	18.37	
26 01 50 51-0349	EA 4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	20.02	
26 01 50 51-0350	EA 4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	20.02	
26 01 50 51-0351	EA 3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	16.31	
26 01 50 51-0352	EA 3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	16.31	
26 01 50 51-0353	EA 3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	16.92	
26 01 50 51-0354	EA 3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	21.46	
26 01 50 51-0355	EA 4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	15.73	
26 01 50 51-0356	Other Lamps <small>(26 01 50 51-0106)</small>		
26 01 50 51-0357	EA 8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	18.20	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0358	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	18.20	
26 01 50 51-0359	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	18.20	
26 01 50 51-0360	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	19.23	
26 01 50 51-0361	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	19.23	
26 01 50 51-0362	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	19.23	
26 01 50 51-0363		LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0106)		
26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	37.92	
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	21.63	
26 01 50 51-0366		Recycle Hazardous Lamps (26 01 50 51)		
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0367	EA	Recycle 2' Length Linear Fluorescent Lamps	0.32	
26 01 50 51-0368	EA	Recycle 3' Length Linear Fluorescent Lamps	0.49	
26 01 50 51-0369	EA	Recycle 4' Length Linear Fluorescent Lamps	0.65	
26 01 50 51-0370	EA	Recycle 6' Length Linear Fluorescent Lamps	0.97	
26 01 50 51-0371	EA	Recycle 8' Length Linear Fluorescent Lamps	1.29	
26 01 50 51-0372	EA	Recycle Compact Fluorescent Lamps	0.58	
26 01 50 51-0373	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.58	
26 01 50 51-0374	EA	Recycle High Intensity Discharge (HID) Lamps	2.02	
26 01 50 52		Ballasts Replacement (26 01 50)		
26 01 50 52-0001		Lighting Ballasts (26 01 50 52)		
		Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002		Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0003		T5 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0004		T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005		14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	84.97	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	89.11	20.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0008		21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	84.97	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	89.11	20.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0011		28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	84.97	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	89.11	20.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
		For High Ballast Factor, Add	4.80	
26 01 50 52-0014		35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	84.97	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	89.11	20.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	84.87	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	89.01	20.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	121.87	24.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.47	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	126.02	29.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003)		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	71.34	16.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0025	EA		2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.48 6.23	20.75
26 01 50 52-0026			24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027	EA		1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.13 4.98	16.61
26 01 50 52-0028	EA		2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.27 6.23	20.75
26 01 50 52-0029			39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030	EA		1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.13 4.98	16.61
26 01 50 52-0031	EA		2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.27 6.23	20.75
26 01 50 52-0032			54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033	EA		1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.34 4.98	16.61
26 01 50 52-0034	EA		2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.48 6.23	20.75
26 01 50 52-0035			Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
26 01 50 52-0036			Step Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037			28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038	EA		2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.62 6.23	20.75
26 01 50 52-0039			Dimming To 5%, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040			54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041	EA		1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.60 4.98	16.61
26 01 50 52-0042	EA		2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.50 6.23	20.75
26 01 50 52-0043			T8 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0044			T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045			17 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0046	EA		1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	37.48 4.98 11.68	16.61
26 01 50 52-0047	EA		1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	65.58 4.98 7.68	16.61
26 01 50 52-0048	EA		2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	41.62 6.23 11.68	20.75
26 01 50 52-0049	EA		2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	69.72 6.23 7.68	20.75
26 01 50 52-0050	EA		3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	50.71 7.47 11.37	24.90
26 01 50 52-0051	EA		3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	78.19 7.47 6.53	24.90
26 01 50 52-0052	EA		4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	58.06 8.72 28.78	29.05
26 01 50 52-0053	EA		4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	85.70 8.72 16.80	29.05
26 01 50 52-0054			25 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0055	EA		1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	37.48 4.98 11.68	16.61
26 01 50 52-0056	EA		1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	65.58 4.98 7.68	16.61
26 01 50 52-0057	EA		2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	41.62 6.23 11.68	20.75

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	69.72	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.71	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	11.37		
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	78.19	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	6.53		
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	58.06	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	28.78		
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	85.70	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	16.80		
26 01 50 52-0063		28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	37.48	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	11.68		
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	65.58	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	41.62	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	11.68		
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	69.72	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.71	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	11.37		
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	78.19	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	6.53		
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	58.06	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	28.78		
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	85.70	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	16.80		
26 01 50 52-0072		32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	37.48	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	11.68		
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	65.58	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	41.62	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	11.68		
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	69.72	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.71	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	11.37		
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	78.19	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	6.53		
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	58.06	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	28.78		
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	85.70	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72		
		<i>For High Ballast Factor, Add</i>	16.80		
26 01 50 52-0081		40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)			
26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	59.62	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	4.99		
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	65.58	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	63.76	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	4.99		
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	69.72	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
		<i>For High Ballast Factor, Add</i>	7.68		
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	79.63	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		
		<i>For High Ballast Factor, Add</i>	3.07		
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	78.19	24.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.47		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0088 EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	83.78	29.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
For High Ballast Factor, Add	3.07	
26 01 50 52-0089 EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	85.70	29.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0091 EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	71.34	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
For High Ballast Factor, Add	10.70	
26 01 50 52-0092 EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	75.48	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
For High Ballast Factor, Add	10.70	
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	86.41	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	112.45	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	90.55	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.59	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	86.41	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0101 EA 1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	112.45	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0102 EA 2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	90.55	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0103 EA 2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.59	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0105 EA 1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	86.41	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0106 EA 1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	112.45	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0107 EA 2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	90.55	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0108 EA 2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.59	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0110 EA 1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	86.41	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0111 EA 1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	112.45	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0112 EA 2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	90.55	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0113 EA 2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	116.59	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0114 Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
26 01 50 52-0115 Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114)		
Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116 17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0117 EA 1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	47.52	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 01 50 52-0118 EA 2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	51.66	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 01 50 52-0119 EA 3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	59.48	24.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.47	
26 01 50 52-0120 EA 4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	71.77	29.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 01 50 52-0121 EA 5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	108.38	33.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.96	
26 01 50 52-0122 EA 6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	112.54	37.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.21	
26 01 50 52-0123 25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0124 EA 1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	47.52	16.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0165	EA		6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.35 11.21	37.36
26 01 50 52-0166			28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0167	EA		1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.52 4.98	16.61
26 01 50 52-0168	EA		2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.66 6.23	20.75
26 01 50 52-0169	EA		3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.85 7.47	24.90
26 01 50 52-0170	EA		4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.77 8.72	29.05
26 01 50 52-0171	EA		5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.19 9.96	33.20
26 01 50 52-0172	EA		6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.35 11.21	37.36
26 01 50 52-0173			32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0174	EA		1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.52 4.98	16.61
26 01 50 52-0175	EA		2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.66 6.23	20.75
26 01 50 52-0176	EA		3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.85 7.47	24.90
26 01 50 52-0177	EA		4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.77 8.72	29.05
26 01 50 52-0178	EA		5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.19 9.96	33.20
26 01 50 52-0179	EA		6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.35 11.21	37.36
26 01 50 52-0180			40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)		
26 01 50 52-0181	EA		1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.52 4.98	16.61
26 01 50 52-0182	EA		2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.66 6.23	20.75
26 01 50 52-0183	EA		3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.85 7.47	24.90
26 01 50 52-0184	EA		4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.77 8.72	29.05
26 01 50 52-0185	EA		5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.19 9.96	33.20
26 01 50 52-0186	EA		6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.35 11.21	37.36
26 01 50 52-0187			Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188			17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0189	EA		1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.38 4.98	16.61
26 01 50 52-0190	EA		2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.52 6.23	20.75
26 01 50 52-0191	EA		3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.05 7.47	24.90
26 01 50 52-0192	EA		4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.20 8.72	29.05
26 01 50 52-0193			25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0194	EA		1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.38 4.98	16.61
26 01 50 52-0195	EA		2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.52 6.23	20.75
26 01 50 52-0196	EA		3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.05 7.47	24.90
26 01 50 52-0197	EA		4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.20 8.72	29.05
26 01 50 52-0198			28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		
26 01 50 52-0199	EA		1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.38 4.98	16.61
26 01 50 52-0200	EA		2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.52 6.23	20.75
26 01 50 52-0201	EA		3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.05 7.47	24.90
26 01 50 52-0202	EA		4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.20 8.72	29.05
26 01 50 52-0203			32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 01 50 52-0204	EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.38 4.98	16.61
26 01 50 52-0205	EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.52 6.23	20.75
26 01 50 52-0206	EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.05 7.47	24.90
26 01 50 52-0207	EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.20 8.72	29.05
26 01 50 52-0208	T10 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0209	T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0208)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210	40 Watt, T10 Fluorescent Electronic Ballasts <small>(26 01 50 52-0209)</small>		
26 01 50 52-0211	EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.90 4.98	16.61
26 01 50 52-0212	EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04 6.23	20.75
26 01 50 52-0213	EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.93 7.47	24.90
26 01 50 52-0214	T12 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0215	T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216	25 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0217	EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.48 4.98	16.61
26 01 50 52-0218	EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.90 4.98	16.61
26 01 50 52-0219	EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.62 6.23	20.75
26 01 50 52-0220	EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04 6.23	20.75
26 01 50 52-0221	EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.71 7.47	24.90
26 01 50 52-0222	EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.06 8.72	29.05
26 01 50 52-0223	30 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0224	EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.90 4.98	16.61
26 01 50 52-0225	EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04 6.23	20.75
26 01 50 52-0226	EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.93 7.47	24.90
26 01 50 52-0227	34 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0228	EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.90 4.98	16.61
26 01 50 52-0229	EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04 6.23	20.75
26 01 50 52-0230	EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.93 7.47	24.90
26 01 50 52-0231	40 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232	EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.90 4.98	16.61
26 01 50 52-0233	EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04 6.23	20.75
26 01 50 52-0234	EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.93 7.47	24.90
26 01 50 52-0235	96 Watt, T12 Fluorescent Electronic Ballasts <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236	EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.25 4.98	16.61
26 01 50 52-0237	EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.48 6.23	20.75
26 01 50 52-0238	High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239	48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240	EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.70 4.98	16.61
26 01 50 52-0241	EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.84 6.23	20.75

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 52-0242		60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-02 38)</small>		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	86.70	16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	90.84	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
26 01 50 52-0245		72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-02 38)</small>		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	86.70	16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	90.84	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
26 01 50 52-0248		96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-02 38)</small>		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	86.70	16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	90.84	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
26 01 50 52-0251		Emergency Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	135.78	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	224.26	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	279.01	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	205.96	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	971.33	24.90
		<i>For Factory Installation In New Fixtures, Deduct</i>	-36.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.96	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	283.10	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	475.37	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG).....	260.98	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	356.47	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	276.11	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	311.98	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	337.73	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	284.02	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	288.44	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	251.20	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	260.98	20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	255.22	16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	467.88		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46		
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	585.35		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46		
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,096.28		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46		
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	761.20		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46		
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	386.56		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-34.87		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.46		
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	501.51		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	2,810.73		20.75
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0276		LED Emergency Ballasts <small>(26 01 50 52-0001)</small>			
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	153.91		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	179.12		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	209.31		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	198.49		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	354.49		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	335.11		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	318.46		16.61
		<i>For Factory Installation In New Fixtures, Deduct</i>	-33.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96		
26 01 50 52-0284		Compact Fluorescent Ballasts <small>(26 01 50 52-0001)</small>			
26 01 50 52-0285		Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0284)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0286		18 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	80.36		16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	84.50		20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
26 01 50 52-0289		26 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	80.36		16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	84.50		20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
26 01 50 52-0292		32 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	99.66		16.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98		
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	103.80		20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23		
26 01 50 52-0295		40 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0296	EA	1	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.06 4.98	16.61
26 01 50 52-0297	EA	1	Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.66 4.98	16.61
26 01 50 52-0298	EA	2	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.03 6.23	20.75
26 01 50 52-0299	EA	2	Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.80 6.23	20.75
26 01 50 52-0300	EA	3	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.76 7.47	24.90
26 01 50 52-0301			42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0302	EA	1	Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.66 4.98	16.61
26 01 50 52-0303	EA	2	Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.80 6.23	20.75
26 01 50 52-0304			55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0305	EA	1	Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.66 4.98	16.61
26 01 50 52-0306	EA	2	Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.80 6.23	20.75
26 01 50 52-0307			Dimming, Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)		
26 01 50 52-0308			Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0307) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309			18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0310	EA	1	Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.01 4.98	16.61
26 01 50 52-0311	EA	2	Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.15 6.23	20.75
26 01 50 52-0312			26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0313	EA	1	Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.01 4.98	16.61
26 01 50 52-0314	EA	2	Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.15 6.23	20.75
26 01 50 52-0315			32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0316	EA	1	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.01 4.98	16.61
26 01 50 52-0317	EA	2	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.81 6.23	20.75
26 01 50 52-0318			40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0319	EA	2	Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.81 6.23	20.75
26 01 50 52-0320			42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0321	EA	1	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.01 4.98	16.61
26 01 50 52-0322	EA	2	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.81 6.23	20.75
26 01 50 52-0323			55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0324	EA	1	Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.30 4.98	16.61
26 01 50 52-0325	EA	2	Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.50 6.23	20.75
26 01 50 52-0326			High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)		
26 01 50 52-0327			Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)		
26 01 50 52-0328			Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0329			Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)		
26 01 50 52-0330	EA	1	Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.89 8.72	20.75
26 01 50 52-0331	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.57 8.72	20.75
26 01 50 52-0332	EA	1	Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.57 8.72	20.75

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0333	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	106.94	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0334	EA		1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	106.94	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0335	EA		1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	158.06	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0336	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	158.06	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0337	EA		1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	203.07	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0338	EA		1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	226.04	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0339			High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340	EA		1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	101.30	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0341	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	107.29	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0342	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	104.71	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0343	EA		1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	122.71	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0344	EA		1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	120.14	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0345	EA		1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	136.85	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0346	EA		1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	136.85	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0347	EA		1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	164.63	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0348	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	164.63	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0349	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	262.13	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0350	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	262.13	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0351			Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352	EA		Single Mounting Bracket For Core And Coil Type	13.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.49	
26 01 50 52-0353	EA		Double Mounting Bracket For Core And Coil Type	22.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.74	
26 01 50 52-0354			F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0355			Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	141.40	20.75
			<i>For Pulse Start Ballast, Add</i>	11.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0357	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	148.83	20.75
			<i>For Pulse Start Ballast, Add</i>	11.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0358	EA		1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	135.77	20.75
			<i>For Pulse Start Ballast, Add</i>	10.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0359	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	157.23	20.75
			<i>For Pulse Start Ballast, Add</i>	12.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0360	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	217.36	20.75
			<i>For Pulse Start Ballast, Add</i>	18.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0361			High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	169.56	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0363	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	181.14	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0364			Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0365			Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366	EA		1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	280.60	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0367			High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368	EA		1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	430.94	20.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0369	EA	1	Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	480.32 8.68	20.68
26 01 50 52-0370	EA	1	Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	463.24 8.68	20.68
26 01 50 52-0371			Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0372			Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0373	EA	1	Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	344.93 8.72	20.75
26 01 50 52-0374	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	391.17 8.72	20.75
26 01 50 52-0375	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	515.87 8.72	20.75
26 01 50 52-0376	EA	1	Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	513.18 8.72	20.75
26 01 50 52-0377	EA	2	Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.18 9.22	22.41
26 01 50 52-0378	EA	2	Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	718.18 9.22	22.41
26 01 50 52-0379	EA	1	Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.83 8.72	20.75
26 01 50 52-0380	EA	1	Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	581.74 8.72	20.75
26 01 50 52-0381			High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0382	EA	1	Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.50 8.72	20.75
26 01 50 52-0383	EA	1	Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.88 8.72	20.75
26 01 50 52-0384	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.53 8.72	20.75
26 01 50 52-0385	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.53 8.72	20.75
26 01 50 52-0386			Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0387			Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)		
26 01 50 52-0388	EA	1	Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	387.30 8.72	20.75
26 01 50 52-0389	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	418.16 8.72	20.75
26 01 50 52-0390	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.12 8.72	20.75
26 01 50 52-0391	EA	1	Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	435.80 8.72	20.75
26 01 50 52-0392	EA	2	Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	691.22 9.22	22.41
26 01 50 52-0393	EA	2	Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	849.10 9.22	22.41
26 01 50 52-0394	EA	1	Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.10 8.72	20.75
26 01 50 52-0395	EA	1	Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.53 8.72	20.75
26 01 50 52-0396			High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)		
26 01 50 52-0397	EA	1	Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.28 8.72	20.75
26 01 50 52-0398	EA	1	Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	538.21 8.72	20.75
26 01 50 52-0399	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	802.50 8.72	20.75
26 01 50 52-0400	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	690.84 8.72	20.75
26 01 50 52-0401			Electronic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)		
26 01 50 52-0402			Electronic Low Frequency High Intensity Discharge (HID) Ballasts (26 01 50 52-0401)		
26 01 50 52-0403	EA	1	Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.20 8.72	20.75
26 01 50 52-0404	EA	1	Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.20 8.72	20.75
26 01 50 52-0405	EA	1	Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.71 8.72	20.75
26 01 50 52-0406	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	449.11 8.72	20.75

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	449.11	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	449.11	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	449.11	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	449.11	20.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	

26 01 50 52-0411 Owner Supplied Ballasts (26 01 50 52-0001)

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	16.61	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	20.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	24.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.22	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	25.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	29.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	30.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.22	

26 01 50 53 Lens and Accessory Replacement (26 01 50)**26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)**

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver.....	80.88	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures.....	156.42	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole.....	195.54	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	73.25	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	23.76	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	24.92	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	29.94	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder.....	10.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder.....	10.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder.....	11.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	14.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	15.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in.....	11.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes.....	49.45	

26 01 50 81 Luminaire Replacement (26 01 50)**26 01 50 81-0001 Retrofit Lighting Fixtures (26 01 50 81)****26 01 50 81-0002 Retrofit Existing (T12) Fluorescent Fixtures (26 01 50 81-0001)**

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0366 for hazardous lamp recycling.

26 01 50 81-0003 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector (26 01 50 81-0002)

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0004	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	73.20	
		<i>For Specular Ballast Cover, Add</i>	8.85	
26 01 50 81-0005	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	78.09	
		<i>For Specular Ballast Cover, Add</i>	9.83	
26 01 50 81-0006	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	106.67	
		<i>For Specular Ballast Cover, Add</i>	15.55	
26 01 50 81-0007	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	122.92	
		<i>For Specular Ballast Cover, Add</i>	18.80	

26 01 50 81-0008 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector (26 01 50 81-0002)

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0009	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	77.40	
		<i>For Specular Reflector, Add</i>	9.69	
26 01 50 81-0010	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	82.80	
		<i>For Specular Reflector, Add</i>	10.77	
26 01 50 81-0011	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	112.55	
		<i>For Specular Reflector, Add</i>	16.72	
26 01 50 81-0012	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	143.64	
		<i>For Specular Reflector, Add</i>	22.94	

26 01 50 81-0013 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures (26 01 50 81-0002)

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 81-0014	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps <i>For Specular Reflector, Add</i>	96.61	11.88
26 01 50 81-0015	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	101.50	12.86
26 01 50 81-0016	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps <i>For Specular Reflector, Add</i>	102.96	13.15
26 01 50 81-0017	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps <i>For Specular Reflector, Add</i>	115.21	15.60
26 01 50 81-0018	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps <i>For Specular Reflector, Add</i>	139.72	20.50
26 01 50 81-0019	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	106.54	13.86
26 01 50 81-0020	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps <i>For Specular Reflector, Add</i>	117.22	16.00
26 01 50 81-0021	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps <i>For Specular Reflector, Add</i>	126.16	17.79

26 01 50 81-0022 **Retrofit Existing Recessed Lay-In/Troffer Fixtures** (26 01 50 81-0001)

26 01 50 81-0023 **Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)** (26 01 50 81-0022)

Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 81-0024	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.11	
26 01 50 81-0025	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.11	
26 01 50 81-0026	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.11	
26 01 50 81-0027	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.15	
26 01 50 81-0028	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.11	
26 01 50 81-0029	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.11	
26 01 50 81-0030	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.11	
26 01 50 81-0031	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.15	
26 01 50 81-0032	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.64	
26 01 50 81-0033	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.64	
26 01 50 81-0034	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	136.64	
26 01 50 81-0035	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	149.67	
26 01 50 81-0036	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.64	
26 01 50 81-0037	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.64	
26 01 50 81-0038	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	136.64	
26 01 50 81-0039	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	149.67	

26 01 50 81-0040 **LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)** (26 01 50 81-0022)

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 81-0041	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	196.79	
26 01 50 81-0042	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	205.66	

26 01 50 81-0043 **LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)** (26 01 50 81-0022)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 81-0044	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	242.34	
26 01 50 81-0045	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	248.20	
26 01 50 81-0046	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	242.34	
26 01 50 81-0047	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	248.20	
26 01 50 81-0048	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	277.51	
26 01 50 81-0049	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	286.30	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 81-0050	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	306.81
26 01 50 81-0051		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 81-0022)</small>	
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.	
26 01 50 81-0052	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	224.41
26 01 50 81-0053	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	232.59
26 01 50 81-0054	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	235.03
26 01 50 81-0055	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	243.21
26 01 50 81-0056	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	169.23
26 01 50 81-0057	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	173.11
26 01 50 81-0058	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	179.33
26 01 50 81-0059	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	183.21
26 01 50 81-0060	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	226.70
26 01 50 81-0061	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	270.18
26 01 50 81-0062		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 81-0022)</small>	
		Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.	
26 01 50 81-0063	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	200.57
26 01 50 81-0064	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	148.28
26 01 50 81-0065	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	205.23
26 01 50 81-0066	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	152.81
26 01 50 81-0067	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	214.29
26 01 50 81-0068	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	165.95
26 01 50 81-0069	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	237.26
26 01 50 81-0070	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	184.81
26 01 50 81-0071	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	241.68
26 01 50 81-0072	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	189.18
26 01 50 81-0073	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	250.74
26 01 50 81-0074	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	202.33
26 01 50 81-0075		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 81-0022)</small>	
		Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.	
26 01 50 81-0076	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	448.02
26 01 50 81-0077	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	497.94
26 01 50 81-0078		Retrofit Existing HID Fixtures <small>(26 01 50 81-0001)</small>	
26 01 50 81-0079	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,016.21

26 05 Common Work Results for Electrical (26)**26 05 13 Medium-Voltage Cables** (26 05)**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** (26 05 13)**26 05 13 16-0001 Wire And Cable** (26 05 13 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0002	5 KV Cable <small>(26 05 13 16-0001)</small>		
26 05 13 16-0003	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0004	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,187.45	676.75
26 05 13 16-0005	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,869.30	738.94
26 05 13 16-0006	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,690.86	834.90
26 05 13 16-0007	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,172.23	1,028.62
26 05 13 16-0008	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,050.52	1,158.32
26 05 13 16-0009	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,864.76	1,285.70
26 05 13 16-0010	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,982.20	1,444.62
26 05 13 16-0011	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,017.16	1,607.21
26 05 13 16-0012	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,937.92	1,918.96
26 05 13 16-0013	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,826.38	2,255.70
26 05 13 16-0014	MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,653.42	2,658.59
26 05 13 16-0015	MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	37,484.66	3,061.27
26 05 13 16-0016	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small>		
	Note: Excludes excavation.		
26 05 13 16-0017	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,102.87	
26 05 13 16-0018	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,629.14	
26 05 13 16-0019	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,210.81	
26 05 13 16-0020	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,366.88	
26 05 13 16-0021	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,920.85	
26 05 13 16-0022	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,575.17	
26 05 13 16-0023	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,295.33	
26 05 13 16-0024	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,086.47	
26 05 13 16-0025	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,312.24	
26 05 13 16-0026	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,434.97	
26 05 13 16-0027	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0002)</small>		
26 05 13 16-0028	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,602.20	419.67
26 05 13 16-0029	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,208.57	449.98
26 05 13 16-0030	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,103.97	569.04
26 05 13 16-0031	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,422.16	690.80
26 05 13 16-0032	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,292.88	810.94
26 05 13 16-0033	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,095.73	927.38
26 05 13 16-0034	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,207.75	1,076.03
26 05 13 16-0035	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,568.59	1,353.72
26 05 13 16-0036	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,656.71	1,712.87
26 05 13 16-0037	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,861.55	2,152.06
26 05 13 16-0038	5 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0002)</small>		
26 05 13 16-0039	MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,109.97	1,348.67
26 05 13 16-0040	MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,466.88	1,368.06
26 05 13 16-0041	MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,823.79	1,387.44
26 05 13 16-0042	MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,274.13	1,418.10
26 05 13 16-0043	MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,626.12	1,472.20
26 05 13 16-0044	MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,810.33	1,542.89
26 05 13 16-0045	MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,743.37	1,928.60
26 05 13 16-0046	MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	33,842.73	2,571.51
26 05 13 16-0047	Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0048	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,456.68	676.75
26 05 13 16-0049	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,233.25	738.94
26 05 13 16-0050	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,159.51	834.90
26 05 13 16-0051	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,989.82	931.71
26 05 13 16-0052	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,820.37	1,028.62
26 05 13 16-0053	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,798.37	1,158.32
26 05 13 16-0054	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,881.84	1,285.70
26 05 13 16-0055	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,128.90	1,444.62
26 05 13 16-0056	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,457.02	1,607.21
26 05 13 16-0057	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,583.19	1,918.96
26 05 13 16-0058	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,020.07	2,255.70
26 05 13 16-0059	MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	31,435.11	2,658.59
26 05 13 16-0060	MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	42,854.33	3,061.27
26 05 13 16-0061	Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small>		
	Note: Excludes excavation.		
26 05 13 16-0062	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,372.09	
26 05 13 16-0063	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,993.09	
26 05 13 16-0064	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,679.46	
26 05 13 16-0065	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,347.61	
26 05 13 16-0066	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,015.01	

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,668.70	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,592.25	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,442.03	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,526.33	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,957.52	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,628.67	

26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0073)

26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,871.43	419.67
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,572.52	449.98
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,572.62	569.04
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,320.33	629.46
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,070.30	690.80
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,040.73	810.94
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,112.81	927.38
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,354.45	1,076.03
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,008.45	1,353.72
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,301.99	1,712.87
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	20,055.24	2,152.06

26 05 13 16-0085 15 KV Cable (26 05 13 16-0001)**26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** (26 05 13 16-0085)**26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** (26 05 13 16-0086)

26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	6,970.14	1,348.67
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,702.16	1,348.67
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,981.39	1,348.67
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,891.00	1,348.67
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,754.35	1,348.67
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,351.21	1,407.78
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,690.39	1,407.78
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,701.63	1,472.20
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,776.70	1,506.72
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	19,690.82	1,697.17

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0086)

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,530.62	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,440.22	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,303.58	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,919.09	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,258.26	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,348.71	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,426.68	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,147.95	

26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0086)

26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,190.41	599.52
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,340.70	690.80
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,520.82	810.94
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	10,277.17	927.38
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,008.20	1,076.03
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,324.07	1,252.64
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,858.58	1,459.64
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,918.61	1,695.52

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0085)**26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** (26 05 13 16-0116)

26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,617.86	1,348.67
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,481.65	1,348.67
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,811.13	1,348.67
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,884.47	1,348.67
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,903.23	1,348.67
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,760.95	1,407.78
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,161.18	1,407.78
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,505.42	1,472.20
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	17,938.47	1,506.72
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	22,471.44	1,697.17

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0128	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0116)</small>		
	Note: Excludes excavation.		
26 05 13 16-0129	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,360.37	
26 05 13 16-0130	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,433.70	
26 05 13 16-0131	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,452.46	
26 05 13 16-0132	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,328.83	
26 05 13 16-0133	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,729.04	
26 05 13 16-0134	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,147.25	
26 05 13 16-0135	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,582.41	
26 05 13 16-0136	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,928.57	
26 05 13 16-0137	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0116)</small>		
26 05 13 16-0138	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,020.16	599.52
26 05 13 16-0139	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,334.18	690.80
26 05 13 16-0140	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,669.70	810.94
26 05 13 16-0141	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,686.91	927.38
26 05 13 16-0142	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,478.98	1,076.03
26 05 13 16-0143	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,127.87	1,252.64
26 05 13 16-0144	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,020.36	1,459.64
26 05 13 16-0145	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	22,699.23	1,695.52
26 05 13 16-0146	15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0085)</small>		
26 05 13 16-0147	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,874.26	1,353.40
26 05 13 16-0148	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,082.43	1,385.75
26 05 13 16-0149	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,642.62	1,418.10
26 05 13 16-0150	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	20,780.01	1,512.60
26 05 13 16-0151	Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 16-0085)</small>		
	Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152	Galvanized Steel Interlocked Armor Cable <small>(26 05 13 16-0151)</small>		
26 05 13 16-0153	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	45.87	10.32
26 05 13 16-0154	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	56.74	10.99
26 05 13 16-0155	Aluminum Interlocked Armor Cable <small>(26 05 13 16-0151)</small>		
26 05 13 16-0156	LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	45.87	10.32
26 05 13 16-0157	LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	56.74	10.99
26 05 13 16-0158	Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 16-0085)</small>		
	Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,437.08	676.75
26 05 13 16-0160	MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,206.75	738.94
26 05 13 16-0161	MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,125.39	834.90
26 05 13 16-0162	MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,766.34	1,025.83
26 05 13 16-0163	MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,735.26	1,154.85
26 05 13 16-0164	MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,807.79	1,285.70
26 05 13 16-0165	MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	11,031.94	1,439.22
26 05 13 16-0166	15 KV, URD Copper Cable, Direct Burial <small>(26 05 13 16-0085)</small>		
26 05 13 16-0167	MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	20,433.49	
26 05 13 16-0168	Wire Connections <small>(26 05 13 16-0001)</small>		
26 05 13 16-0169	Medium Voltage Up To 5 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0170	Shielded One Conductor Cable Splice <small>(26 05 13 16-0169)</small>		
26 05 13 16-0171	EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	227.53	82.51
26 05 13 16-0172	EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	286.15	82.51
26 05 13 16-0173	EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	286.15	82.51
26 05 13 16-0174	EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	310.71	99.00
26 05 13 16-0175	EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	310.71	99.00
26 05 13 16-0176	EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	310.71	99.00
26 05 13 16-0177	EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	343.44	115.51
26 05 13 16-0178	EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	343.44	115.51
26 05 13 16-0179	EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	343.44	115.51
26 05 13 16-0180	Cable Termination Without Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0181	EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	320.86	99.00
26 05 13 16-0182	EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	371.07	115.51
26 05 13 16-0183	Cable Termination With Stress Cone <small>(26 05 13 16-0169)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	896.64		198.00
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	1,235.65		272.26
26 05 13 16-0186		Connect To Pothead, Pothead Included <small>(26 05 13 16-0186)</small>			
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	932.05		198.00
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,179.40		226.89
26 05 13 16-0189		Two Conductor Pothead <small>(26 05 13 16-0189)</small>			
Note: Includes 5 KV pothead.					
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	763.30		272.26
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,007.44		346.52
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,456.68		392.88
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,258.58		458.39
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	4,058.80		687.49
26 05 13 16-0195		Three Conductor Pothead <small>(26 05 13 16-0195)</small>			
Note: Includes 5 KV pothead.					
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,654.34		396.02
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,923.71		462.02
26 05 13 16-0198		Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0198)</small>			
Note: For bare wire.					
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire.....	55.44		
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire.....	61.04		
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire.....	71.17		
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire.....	80.81		
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire.....	91.16		
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	101.23		
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	111.17		
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	121.60		
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	131.74		
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire.....	142.10		
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire.....	152.72		
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire.....	162.69		
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire.....	183.77		
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire.....	205.50		
26 05 13 16-0213		Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0213)</small>			
Note: For bare wire.					
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	56.70		
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	61.73		
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	83.12		
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	97.02		
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	106.76		
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	116.45		
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	127.73		
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	138.22		
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	148.43		
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	158.91		
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	169.19		
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	193.07		
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	217.11		
26 05 13 16-0227		15 KV <small>(26 05 13 16-0227)</small>			
26 05 13 16-0228		Single Conductor Pothead On Racks <small>(26 05 13 16-0228)</small>			
Note: Includes pothead.					
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks.....	933.48		346.52
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	1,185.42		429.01
26 05 13 16-0231		Two Conductor Pothead On Rack <small>(26 05 13 16-0231)</small>			
Note: Includes pothead.					
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....	1,389.44		528.01
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....	1,663.96		627.03
26 05 13 16-0234		Three Conductor Pothead On Rack <small>(26 05 13 16-0234)</small>			
Note: Includes pothead.					
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks.....	1,781.80		684.77
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	2,221.55		858.03
26 05 13 16-0237		Stress Relief Cone On Rack <small>(26 05 13 16-0237)</small>			
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	890.70		346.52
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack.....	1,137.32		429.01
26 05 13 16-0240		Grounded, Shielded Cable Splice <small>(26 05 13 16-0240)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV		625.79	255.76
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....		803.26	330.01
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way		3,431.56	907.53
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way		4,295.75	990.04

26 05 13 16-0245 Cable Termination (26 05 13 16-0227)

26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV		399.17	144.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		86.63	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV		506.36	185.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		111.38	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV		625.68	226.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		136.13	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV		248.30	82.51
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		49.50	

26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)

26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....		461.01	107.26
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....		522.68	118.54
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....		613.75	129.73
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....		778.41	149.47

26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)

26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....		922.04	214.87
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....		1,045.46	237.08
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....		1,217.88	254.64
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....		1,556.82	298.92

26 05 13 16-0260 35 KV (26 05 13 16-0168)

26 05 13 16-0261 35 KV One Conductor Splice (26 05 13 16-0260)

26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing.....		1,559.64	
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26 05 13 16-0263 Cable Termination (26 05 13 16-0260)

26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV		331.37	99.08
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination.....		461.94	149.50
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV		527.26	159.89
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV		265.52	82.51

26 05 13 16-0268 70 KV (26 05 13 16-0168)

26 05 13 16-0269 Cable Splice (26 05 13 16-0268)

26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing.....		6,662.31	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing.....		1,602.91	

26 05 19 Low-Voltage Electrical Power Conductors and Cables (26 05)

26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001 Under Carpet Power System (26 05 19 13)

Note: Includes laying out, floor prep, taping, testing, drill floor, folds.

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield		4.84	0.38
26 05 19 13-0003	LF	Steel, Top Shield		8.69	0.38
26 05 19 13-0004	EA	3-Conductor, Splice		26.01	6.40
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor		7.11	3.01
26 05 19 13-0006	EA	3-Conductor, Tap.....		32.59	7.53
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End.....		52.64	6.40
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly		34.48	3.76
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box.....		103.76	12.05
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box.....		173.35	18.83
26 05 19 13-0011	EA	Floor Mounted Box With Cover.....		174.01	15.07
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield		7.78	0.38
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable		7.72	0.38
26 05 19 13-0014	EA	5-Conductor, Splice		26.39	6.40
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly		46.03	3.76
26 05 19 13-0016	EA	Box, Wall, Flush With Cover		75.26	15.07
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box.....		48.75	12.43
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover		64.86	14.31
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45		28.08	5.65
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire.....		1.61	0.38
26 05 19 13-0021	EA	BNC, Coax Plug, Connector		21.38	7.53
26 05 19 13-0022	EA	TNC, Coax Plug, Connector		21.38	7.53
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm		113.03	37.66

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)

26 05 19 16-0001 Cable Installation Methods (26 05 19 16)

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 05 19 16-0002		Pull Cord <small>(26 05 19 16-0001)</small>				
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.				
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit.....		0.26		
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits.....		0.13		
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....		0.45		
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....		0.28		
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>				
		Note: For installation under roads, driveways or other structures up to 20'.				
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand.....		2.56		
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand.....		3.26		
26 05 19 16-0010		Wire and Cable <small>(26 05 19 16)</small>				
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.				
26 05 19 16-0011		600 Volt Wire <small>(26 05 19 16-0010)</small>				
26 05 19 16-0012		Single Solid Conductor, Copper <small>(26 05 19 16-0011)</small>				
26 05 19 16-0013	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		507.45		182.78
26 05 19 16-0014	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		648.44		215.02
26 05 19 16-0015	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		824.00		262.92
26 05 19 16-0016	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		676.18		182.78
26 05 19 16-0017	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		830.74		215.02
26 05 19 16-0018	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....		1,017.91		262.92
26 05 19 16-0019		Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0011)</small>				
26 05 19 16-0020		Power Cable, Stranded, Single Conductor, XHHW-2 <small>(26 05 19 16-0019)</small>				
26 05 19 16-0021	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		551.40		150.62
26 05 19 16-0022	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		645.19		180.75
26 05 19 16-0023	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		817.01		210.88
26 05 19 16-0024	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		1,041.51		241.00
26 05 19 16-0025	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....		1,427.40		301.25
26 05 19 16-0026	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		2,018.57		361.50
26 05 19 16-0027	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		2,848.83		451.88
26 05 19 16-0028	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		3,415.31		512.13
26 05 19 16-0029	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		4,111.49		572.38
26 05 19 16-0030	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		5,249.59		632.63
26 05 19 16-0031	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		6,369.80		723.01
26 05 19 16-0032	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		7,735.10		813.39
26 05 19 16-0033	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		9,397.22		903.75
26 05 19 16-0034	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		11,437.54		994.13
26 05 19 16-0035	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		12,059.60		1,084.51
26 05 19 16-0036	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		14,520.12		1,174.89
26 05 19 16-0037	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		15,465.97		1,265.26
26 05 19 16-0038	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		17,418.15		1,355.64
26 05 19 16-0039	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		20,414.97		1,446.01
26 05 19 16-0040	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		23,706.98		1,566.52
26 05 19 16-0041	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		37,295.15		1,747.26
26 05 19 16-0042	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....		53,430.94		2,048.52
26 05 19 16-0043		Power Cable, Stranded, Multi Conductor, XHHW-2 <small>(26 05 19 16-0019)</small>				
26 05 19 16-0044	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		1,290.36		361.43
26 05 19 16-0045	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		1,634.31		421.83
26 05 19 16-0046	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,053.63		512.13
26 05 19 16-0047	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,552.53		557.09
26 05 19 16-0048	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,821.59		587.36
26 05 19 16-0049	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		3,358.56		647.55
26 05 19 16-0050	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		1,880.62		674.96
26 05 19 16-0051	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		4,164.87		738.07
26 05 19 16-0052	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		4,664.76		783.41
26 05 19 16-0053	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		7,124.88		994.21
26 05 19 16-0054	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		10,842.73		1,476.14
26 05 19 16-0055	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		1,634.21		421.83
26 05 19 16-0056	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,149.86		512.13
26 05 19 16-0057	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,665.53		602.51
26 05 19 16-0058	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,233.06		542.03
26 05 19 16-0059	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,972.47		662.15
26 05 19 16-0060	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		3,865.15		843.66
26 05 19 16-0061	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		5,346.22		1,084.89
26 05 19 16-0062	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		7,415.57		1,385.83
26 05 19 16-0063	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		2,892.47		617.57
26 05 19 16-0064	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		3,830.33		723.01
26 05 19 16-0065	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		4,994.14		918.82
26 05 19 16-0066	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		3,961.92		692.88
26 05 19 16-0067	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		5,490.87		858.57
26 05 19 16-0068	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		7,106.52		1,058.90
26 05 19 16-0069	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....		5,539.82		840.65

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0070	MLF	3	Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,561.23		961.52
26 05 19 16-0071	MLF	4	Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,876.18		1,199.89
26 05 19 16-0072	MLF	2	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,920.95		1,023.96
26 05 19 16-0073	MLF	3	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,904.25		1,145.07
26 05 19 16-0074	MLF	4	Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,487.80		1,506.26
26 05 19 16-0075	MLF	3	Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	14,618.44		1,445.79
26 05 19 16-0076	MLF	4	Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	19,188.88		1,806.77
26 05 19 16-0077	MLF	3	Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,603.84		1,566.82
26 05 19 16-0078	MLF	3	Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	21,621.81		1,806.77
26 05 19 16-0079	MLF	3	Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	26,683.14		2,107.87
26 05 19 16-0080	MLF	4	Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	35,326.57		2,710.15
26 05 19 16-0081	MLF	3	Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,886.83		2,412.06
26 05 19 16-0082	MLF	3	Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	34,820.24		2,710.15
26 05 19 16-0083	MLF	3	Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	44,439.74		3,012.53
26 05 19 16-0084	MLF	3	Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	58,677.12		3,310.92

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)
 Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	792.35		
26 05 19 16-0087	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	935.32		
26 05 19 16-0088	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,207.82		
26 05 19 16-0089	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,613.10		
26 05 19 16-0090	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,348.71		
26 05 19 16-0091	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,130.61		
26 05 19 16-0092	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,646.57		
26 05 19 16-0093	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,898.18		
26 05 19 16-0094	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,313.40		
26 05 19 16-0095	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,954.47		
26 05 19 16-0096	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,908.08		
26 05 19 16-0097	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,362.04		
26 05 19 16-0098	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,375.27		
26 05 19 16-0099	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,195.67		
26 05 19 16-0100	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,178.92		
26 05 19 16-0101	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,521.38		
26 05 19 16-0102	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,541.38		
26 05 19 16-0103	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	29,149.03		
26 05 19 16-0104	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	47,497.08		
26 05 19 16-0105	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	637.36		
26 05 19 16-0106	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	775.45		
26 05 19 16-0107	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	950.79		
26 05 19 16-0108	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,155.28		
26 05 19 16-0109	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,536.33		
26 05 19 16-0110	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,099.06		
26 05 19 16-0111	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,929.86		
26 05 19 16-0112	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,553.23		
26 05 19 16-0113	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,008.70		
26 05 19 16-0114	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,520.94		
26 05 19 16-0115	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,334.15		
26 05 19 16-0116	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,354.04		
26 05 19 16-0117	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,291.08		
26 05 19 16-0118	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,289.11		
26 05 19 16-0119	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,387.32		
26 05 19 16-0120	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,529.20		
26 05 19 16-0121	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,521.55		
26 05 19 16-0122	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,244.17		
26 05 19 16-0123	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	531.01		
26 05 19 16-0124	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	672.84		
26 05 19 16-0125	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	859.12		
26 05 19 16-0126	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,255.61		
26 05 19 16-0127	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,783.75		
26 05 19 16-0128	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,451.37		
26 05 19 16-0129	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,597.30		
26 05 19 16-0130	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,361.09		
26 05 19 16-0131	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,079.80		
26 05 19 16-0132	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,824.29		
26 05 19 16-0133	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,060.78		
26 05 19 16-0134	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,533.99		
26 05 19 16-0135	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,142.73		
26 05 19 16-0136	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,826.57		
26 05 19 16-0137	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,650.15		
26 05 19 16-0138	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,403.23		
26 05 19 16-0139	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,575.16		

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0140	MLF		600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,567.48	
26 05 19 16-0141	MLF		750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	37,087.84	
26 05 19 16-0142	MLF		#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,925.12	
26 05 19 16-0143	MLF		1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,714.24	
26 05 19 16-0144	MLF		2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,652.87	
26 05 19 16-0145	MLF		3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,006.39	
26 05 19 16-0146	MLF		4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,254.00	
26 05 19 16-0147	MLF		250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,178.07	
26 05 19 16-0148	MLF		350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,504.64	
26 05 19 16-0149	MLF		400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,245.97	
26 05 19 16-0150	MLF		500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	24,441.24	
26 05 19 16-0151			600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0011)		
26 05 19 16-0152			ACTHH, Solid (26 05 19 16-0151)		
26 05 19 16-0153	MLF		1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	1,948.14	495.02
26 05 19 16-0154	MLF		1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	2,255.26	561.02
26 05 19 16-0155	MLF		1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	2,621.33	594.02
26 05 19 16-0156	MLF		2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	2,715.09	825.03
26 05 19 16-0157	MLF		2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	2,875.09	923.87
26 05 19 16-0158	MLF		2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	3,764.08	1,023.61
26 05 19 16-0159	MLF		2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	5,102.72	1,122.46
26 05 19 16-0160	MLF		3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,345.73	923.87
26 05 19 16-0161	MLF		3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,457.74	1,023.61
26 05 19 16-0162	MLF		3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	4,551.83	1,155.53
26 05 19 16-0163	MLF		3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	6,122.71	1,253.88
26 05 19 16-0164	MLF		4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,055.78	1,023.61
26 05 19 16-0165	MLF		4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	4,415.53	1,155.53
26 05 19 16-0166	MLF		4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,774.17	1,287.13
26 05 19 16-0167	MLF		4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,730.52	1,386.62
26 05 19 16-0168			ACTHH, Stranded (26 05 19 16-0151)		
26 05 19 16-0169	MLF		2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	5,268.51	1,188.78
26 05 19 16-0170	MLF		2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	6,509.32	1,352.47
26 05 19 16-0171	MLF		3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	6,288.22	1,320.05
26 05 19 16-0172	MLF		3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	8,036.40	1,483.90
26 05 19 16-0173	MLF		3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	10,369.41	1,650.06
26 05 19 16-0174	MLF		3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	11,995.17	1,813.25
26 05 19 16-0175	MLF		3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	13,832.33	1,978.50
26 05 19 16-0176	MLF		4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	8,222.89	1,583.56
26 05 19 16-0177	MLF		4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	10,104.29	1,747.91
26 05 19 16-0178	MLF		4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	13,292.69	1,914.24
26 05 19 16-0179	MLF		4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	14,584.96	2,078.17
26 05 19 16-0180	MLF		4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	17,501.83	2,241.93
26 05 19 16-0181			HCFC, Solid (26 05 19 16-0151)		
26 05 19 16-0182	MLF		2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	3,124.96	825.03
26 05 19 16-0183	MLF		2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	3,400.76	927.00
26 05 19 16-0184	MLF		2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	3,816.67	1,018.58
26 05 19 16-0185	MLF		3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	3,852.43	927.00
26 05 19 16-0186	MLF		3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,112.22	1,018.58
26 05 19 16-0187	MLF		3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	5,527.78	1,162.05
26 05 19 16-0188	MLF		4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,839.26	1,018.58
26 05 19 16-0189	MLF		4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	5,244.25	1,162.05
26 05 19 16-0190	MLF		4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	7,432.27	1,289.11
26 05 19 16-0191			MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0151)		
26 05 19 16-0192	MLF		2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	2,566.48	825.03
26 05 19 16-0193	MLF		2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	2,865.55	927.00
26 05 19 16-0194	MLF		2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,462.81	1,018.58
26 05 19 16-0195	MLF		2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,469.26	1,088.46
26 05 19 16-0196	MLF		3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,603.07	1,153.89
26 05 19 16-0197	MLF		3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	2,969.20	927.00
26 05 19 16-0198	MLF		3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,355.31	1,018.58
26 05 19 16-0199	MLF		3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,289.06	1,162.05
26 05 19 16-0200	MLF		3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,623.18	1,253.88
26 05 19 16-0201	MLF		3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,598.14	1,352.47
26 05 19 16-0202	MLF		3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,208.00	1,452.55
26 05 19 16-0203	MLF		3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	11,443.32	1,550.81
26 05 19 16-0204	MLF		4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,453.40	1,018.58
26 05 19 16-0205	MLF		4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,957.16	1,162.05
26 05 19 16-0206	MLF		4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,071.88	1,289.11
26 05 19 16-0207	MLF		4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	8,301.05	1,420.04
26 05 19 16-0208	MLF		4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,188.83	1,519.37
26 05 19 16-0209	MLF		4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	13,523.24	1,617.71
26 05 19 16-0210	MLF		4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	17,546.78	1,715.24
26 05 19 16-0211			MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0151)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0212	MLF	2	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	2,544.17	825.03
26 05 19 16-0213	MLF	2	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	2,807.71	927.00
26 05 19 16-0214	MLF	2	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	3,411.65	1,018.58
26 05 19 16-0215	MLF	3	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	3,062.36	927.00
26 05 19 16-0216	MLF	3	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	3,303.92	1,018.58
26 05 19 16-0217	MLF	3	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	4,248.42	1,162.05
26 05 19 16-0218	MLF	4	Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	3,896.29	1,018.58
26 05 19 16-0219	MLF	4	Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	4,278.16	1,162.05
26 05 19 16-0220	MLF	4	Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable.....	6,071.88	1,289.11
26 05 19 16-0221			FPLP Solid TFN Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0222	MLF	#18/2	With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,739.95	627.03
26 05 19 16-0223	MLF	#18/4	With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,106.25	726.03
26 05 19 16-0224	MLF	#18/6	With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,878.82	825.03
26 05 19 16-0225	MLF	#18/8	With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,457.38	924.03
26 05 19 16-0226	MLF	#16/2	With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,113.98	726.03
26 05 19 16-0227	MLF	#16/4	With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,693.26	825.03
26 05 19 16-0228	MLF	#16/6	With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,680.19	924.03
26 05 19 16-0229	MLF	#16/8	With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,334.67	1,023.03
26 05 19 16-0230			FPLP Solid THHN Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0231	MLF	#14/2	With #14 Ground Type THHN FPLP Red Armored Cable.....	3,452.17	825.03
26 05 19 16-0232	MLF	#14/4	With #14 Ground Type THHN FPLP Red Armored Cable.....	4,324.53	924.03
26 05 19 16-0233	MLF	#14/6	With #14 Ground Type THHN FPLP Red Armored Cable.....	5,831.61	1,023.03
26 05 19 16-0234	MLF	#14/8	With #14 Ground Type THHN FPLP Red Armored Cable.....	6,785.51	1,122.04
26 05 19 16-0235	MLF	#12/2	With #12 Ground Type THHN FPLP Red Armored Cable.....	4,399.04	924.03
26 05 19 16-0236	MLF	#12/4	With #12 Ground Type THHN FPLP Red Armored Cable.....	5,423.23	1,023.03
26 05 19 16-0237			FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0238	MLF	#18/2	With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,992.99	627.03
26 05 19 16-0239	MLF	#18/2	With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,826.39	924.03
26 05 19 16-0240	MLF	#16/2	With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,698.08	726.03
26 05 19 16-0241	MLF	#16/4	With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	4,380.68	825.03
26 05 19 16-0242	MLF	#16/2	With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,138.76	1,023.03
26 05 19 16-0243	MLF	#14/2	With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,328.93	858.03
26 05 19 16-0244	MLF	#14/4	With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,374.47	990.04
26 05 19 16-0245			Armored Cable Connectors (26 05 19 16-0151)		
26 05 19 16-0246	EA	3/4"	Armored Cable Connector.....	5.04	1.81
			For Work In Restricted Working Space, Add	1.36	
			For Elevated Installation >10' To 15', Add	0.45	
			For Elevated Installation >15' To 20', Add	0.90	
			For Elevated Installation >20' To 25', Add	1.13	
			For Elevated Installation >25' To 30', Add	1.58	
			For Elevated Installation >30' To 35', Add	1.81	
			For Elevated Installation >35' To 40', Add	2.26	
			For Elevated Installation >40', Add	2.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.36	
26 05 19 16-0247	EA	1"	Armored Cable Connector.....	6.73	2.41
			For Work In Restricted Working Space, Add	1.81	
			For Elevated Installation >10' To 15', Add	0.60	
			For Elevated Installation >15' To 20', Add	1.20	
			For Elevated Installation >20' To 25', Add	1.51	
			For Elevated Installation >25' To 30', Add	2.11	
			For Elevated Installation >30' To 35', Add	2.41	
			For Elevated Installation >35' To 40', Add	3.01	
			For Elevated Installation >40', Add	3.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 19 16-0248	EA	1-1/4"	Armored Cable Connector.....	8.46	3.01
			For Work In Restricted Working Space, Add	2.26	
			For Elevated Installation >10' To 15', Add	0.75	
			For Elevated Installation >15' To 20', Add	1.51	
			For Elevated Installation >20' To 25', Add	1.88	
			For Elevated Installation >25' To 30', Add	2.64	
			For Elevated Installation >30' To 35', Add	3.01	
			For Elevated Installation >35' To 40', Add	3.77	
			For Elevated Installation >40', Add	4.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 19 16-0249			600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0011)		
26 05 19 16-0250	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	765.34	120.73	
			For EPR Insulation, Add	47.02	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	109.71	
26 05 19 16-0251	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	846.73	133.68	
			For EPR Insulation, Add	47.93	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	111.84	
26 05 19 16-0252	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,069.03	167.12	
			For EPR Insulation, Add	69.98	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	163.28	

26 Electrical
26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0253	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,520.08	265.85	
		<i>For EPR Insulation, Add</i>	115.04		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	268.43		
26 05 19 16-0254	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,192.53	319.03	
		<i>For EPR Insulation, Add</i>	193.32		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	451.07		
26 05 19 16-0255	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,079.46	370.39	
		<i>For EPR Insulation, Add</i>	292.46		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	682.42		
26 05 19 16-0256	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,521.07	423.94	
		<i>For EPR Insulation, Add</i>	336.11		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	784.26		
26 05 19 16-0257	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,597.61	477.48	
		<i>For EPR Insulation, Add</i>	475.00		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,108.33		
26 05 19 16-0258	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,860.26	531.79	
		<i>For EPR Insulation, Add</i>	641.80		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,497.54		
26 05 19 16-0259	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,151.30	599.94	
		<i>For EPR Insulation, Add</i>	801.57		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,870.33		
26 05 19 16-0260	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,750.71	665.31	
		<i>For EPR Insulation, Add</i>	1,007.59		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,351.04		
26 05 19 16-0261	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,653.43	742.74	
		<i>For EPR Insulation, Add</i>	1,259.10		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,937.91		
26 05 19 16-0262	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,071.29	825.81	
		<i>For EPR Insulation, Add</i>	1,437.89		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,355.08		
26 05 19 16-0263	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,799.37	905.71	
		<i>For EPR Insulation, Add</i>	1,513.22		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,530.84		
26 05 19 16-0264	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,328.80	995.64	
		<i>For EPR Insulation, Add</i>	1,858.74		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,337.05		
26 05 19 16-0265	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,197.16	1,055.51	
		<i>For EPR Insulation, Add</i>	2,105.10		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,911.90		
26 05 19 16-0266	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,401.20	1,179.71	
		<i>For EPR Insulation, Add</i>	2,401.82		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,604.24		
26 05 19 16-0267	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,390.78	1,312.03	
		<i>For EPR Insulation, Add</i>	2,816.36		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	6,571.51		
26 05 19 16-0268	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,488.29	1,365.05	
		<i>For EPR Insulation, Add</i>	3,385.80		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	7,900.20		
26 05 19 16-0269	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	44,677.06	1,417.99	
		<i>For EPR Insulation, Add</i>	6,046.33		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	14,108.11		
26 05 19 16-0270	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	56,968.77	1,515.15	
		<i>For EPR Insulation, Add</i>	7,844.90		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	18,304.77		
26 05 19 16-0271	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,370.37	270.98	
26 05 19 16-0272	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,781.85	301.25	
26 05 19 16-0273	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,266.34	361.80	
26 05 19 16-0274	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,699.23	421.60	
26 05 19 16-0275	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,339.92	451.43	
26 05 19 16-0276	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	384.26	150.62	
26 05 19 16-0277	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	478.73	165.69	
26 05 19 16-0278	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	523.66	120.80	
26 05 19 16-0279	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	662.32	144.00	
26 05 19 16-0280	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	843.35	181.13	
26 05 19 16-0281	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,228.10	238.74	
26 05 19 16-0282	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,738.26	288.30	
26 05 19 16-0283	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,381.26	340.71	
26 05 19 16-0284	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,875.22	385.68	
26 05 19 16-0285	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,486.97	431.92	
26 05 19 16-0286	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,221.56	487.43	
26 05 19 16-0287	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,916.81	533.74	
26 05 19 16-0288	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,633.01	589.85	
26 05 19 16-0289	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,817.80	623.90	
26 05 19 16-0290	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,231.62	701.92	
26 05 19 16-0291	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,774.51	746.73	
26 05 19 16-0292	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,388.92	845.69	
26 05 19 16-0293	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,136.43	935.91	
26 05 19 16-0294	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,816.79	961.52	
26 05 19 16-0295	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,848.43	1,017.26	
26 05 19 16-0296	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,492.17	1,197.10	
26 05 19 16-0297	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	35,515.40	1,417.99	
26 05 19 16-0298	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	42,696.84	1,712.02	
26 05 19 16-0299	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,579.53	361.80	
26 05 19 16-0300	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,770.61	421.60	
26 05 19 16-0301	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,046.65	482.38	
26 05 19 16-0302	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,596.20	542.03	
26 05 19 16-0303	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,932.91	602.51	
26 05 19 16-0304	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,660.78	662.15	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0305

600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0011)

26 05 19 16-0306	MLF #6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	796.17	239.09
26 05 19 16-0307	MLF #4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	939.63	278.01
26 05 19 16-0308	MLF #2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,224.16	356.87
26 05 19 16-0309	MLF #1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,482.48	398.51
26 05 19 16-0310	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,706.01	448.98
26 05 19 16-0311	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,928.43	495.55
26 05 19 16-0312	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,254.81	559.25
26 05 19 16-0313	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,494.42	617.00
26 05 19 16-0314	MLF 250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,857.79	678.29
26 05 19 16-0315	MLF 300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,449.21	737.63
26 05 19 16-0316	MLF 350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,624.10	796.95
26 05 19 16-0317	MLF 400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,123.75	886.42
26 05 19 16-0318	MLF 500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,543.89	975.87
26 05 19 16-0319	MLF 600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,507.95	1,136.78
26 05 19 16-0320	MLF 700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,193.30	1,246.23
26 05 19 16-0321	MLF 750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,340.07	1,292.43
26 05 19 16-0322	MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,548.33	1,567.79
26 05 19 16-0323	MLF #8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	845.97	267.44
26 05 19 16-0324	MLF #6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	951.86	301.25
26 05 19 16-0325	MLF #4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,171.46	370.61
26 05 19 16-0326	MLF #2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,468.30	454.29
26 05 19 16-0327	MLF #1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,823.96	534.80
26 05 19 16-0328	MLF 1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,091.27	602.73
26 05 19 16-0329	MLF 2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,364.24	669.46
26 05 19 16-0330	MLF 3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,683.86	730.39
26 05 19 16-0331	MLF 4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,896.58	777.31
26 05 19 16-0332	MLF 250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,242.95	831.69
26 05 19 16-0333	MLF 300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,835.80	891.33
26 05 19 16-0334	MLF 350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,041.18	962.88
26 05 19 16-0335	MLF 400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,535.48	1,050.02
26 05 19 16-0336	MLF 500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,119.79	1,205.01
26 05 19 16-0337	MLF 600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,840.34	1,268.13
26 05 19 16-0338	MLF 700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,424.64	1,336.96
26 05 19 16-0339	MLF 750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,665.88	1,420.86
26 05 19 16-0340	MLF 1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,613.71	1,991.29
26 05 19 16-0341	MLF #6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	998.86	301.25
26 05 19 16-0342	MLF #4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,242.19	370.54
26 05 19 16-0343	MLF #2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,544.47	454.89
26 05 19 16-0344	MLF #1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,912.11	531.79
26 05 19 16-0345	MLF 1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,159.78	599.94
26 05 19 16-0346	MLF 2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,435.59	665.31
26 05 19 16-0347	MLF 3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,794.87	730.39
26 05 19 16-0348	MLF 4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,038.53	777.31
26 05 19 16-0349	MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,411.85	831.15
26 05 19 16-0350	MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,056.54	892.46
26 05 19 16-0351	MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,306.04	964.16
26 05 19 16-0352	MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,753.40	1,047.61
26 05 19 16-0353	MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,469.79	1,205.01
26 05 19 16-0354	MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,180.71	1,264.73
26 05 19 16-0355	MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,810.71	1,336.96
26 05 19 16-0356	MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,093.96	1,416.57

26 05 19 16-0357

Non-Metallic Sheathed Cable (26 05 19 16-0011)

26 05 19 16-0358

Indoor Installation (26 05 19 16-0357)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF 2 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	1,690.88	572.31
26 05 19 16-0360	MLF 3 Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,085.63	692.88
26 05 19 16-0361	MLF 2 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	1,854.53	650.71
26 05 19 16-0362	MLF 3 Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,325.74	722.86
26 05 19 16-0363	MLF 2 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,362.66	723.23
26 05 19 16-0364	MLF 3 Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	2,913.28	843.66
26 05 19 16-0365	MLF 2 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,047.56	866.10
26 05 19 16-0366	MLF 3 Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,981.98	1,046.85
26 05 19 16-0367	MLF 2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	3,686.45	986.60
26 05 19 16-0368	MLF 3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	4,778.24	1,189.95
26 05 19 16-0369	MLF 3 Conductors With Ground Cable, #4 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	6,275.43	1,310.45
26 05 19 16-0370	MLF 3 Conductors With Ground Cable, #3 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable.....	8,864.63	1,423.42

26 05 19 16-0371

Direct Burial Cable (26 05 19 16-0357)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0372	MLF # 14-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,214.45	
26 05 19 16-0373	MLF # 14-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,855.49	
26 05 19 16-0374	MLF # 12-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,884.32	
26 05 19 16-0375	MLF # 12-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,513.52	
26 05 19 16-0376	MLF # 10-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,517.09	
26 05 19 16-0377	MLF # 10-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,480.66	
26 05 19 16-0378	MLF # 8-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	5,289.83	
26 05 19 16-0379	MLF # 8-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	6,899.95	
26 05 19 16-0380	MLF # 6-2 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	7,237.97	
26 05 19 16-0381	MLF # 6-3 With Ground Cable, Type UF Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	8,681.28	

26 Electrical
26 05 Common Work Results for Electrical
26 05 19 Low-Voltage Electrical Power Conductors and Cables

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0382 SEU Cable Copper, 3 Conductor (26 05 19 16-0357)					
26 05 19 16-0383	MLF		12-12-12 Cable SEU Copper.....	2,752.63	726.27
26 05 19 16-0384	MLF		10-10-10 Cable SEU Copper.....	3,737.58	825.03
26 05 19 16-0385	MLF		8-8-8 Cable SEU Copper.....	4,987.04	923.87
26 05 19 16-0386	MLF		6-6-8 Cable SEU Copper.....	6,433.72	990.45
26 05 19 16-0387	MLF		6-6-6 Cable SEU Copper.....	7,058.15	1,023.61
26 05 19 16-0388	MLF		4-4-6 Cable SEU Copper.....	9,015.83	1,122.46
26 05 19 16-0389	MLF		4-4-4 Cable SEU Copper.....	9,892.19	1,155.53
26 05 19 16-0390	MLF		3-3-5 Cable SEU Copper.....	11,819.20	1,253.88
26 05 19 16-0391	MLF		3-3-3 Cable SEU Copper.....	12,592.73	1,320.05
26 05 19 16-0392	MLF		2-2-4 Cable SEU Copper.....	13,530.11	1,386.62
26 05 19 16-0393	MLF		2-2-2 Cable SEU Copper.....	14,564.40	1,452.55
26 05 19 16-0394	MLF		1-1-1 Cable SEU Copper.....	18,249.93	1,650.06
26 05 19 16-0395	MLF		1/0-1/0-1/0 Cable SEU Copper.....	22,095.14	1,849.88
26 05 19 16-0396	MLF		2/0-2/0-2/0 Cable SEU Copper.....	27,083.60	2,083.45
26 05 19 16-0397	MLF		3/0-3/0-3/0 Cable SEU Copper.....	33,210.47	2,317.51
26 05 19 16-0398	MLF		4/0-4/0-4/0 Cable SEU Copper.....	37,126.53	2,586.30
26 05 19 16-0399 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0357)					
26 05 19 16-0400	MLF		8-8-8 Cable SEU Aluminum.....	2,758.73	927.00
26 05 19 16-0401	MLF		6-6-6 Cable SEU Aluminum.....	3,113.68	1,018.58
26 05 19 16-0402	MLF		4-4-6 Cable SEU Aluminum.....	3,473.15	1,114.94
26 05 19 16-0403	MLF		4-4-4 Cable SEU Aluminum.....	3,632.36	1,162.05
26 05 19 16-0404	MLF		2-2-4 Cable SEU Aluminum.....	4,333.56	1,375.08
26 05 19 16-0405	MLF		2-2-2 Cable SEU Aluminum.....	4,590.23	1,447.43
26 05 19 16-0406	MLF		1-1-1 Cable SEU Aluminum.....	5,441.91	1,650.06
26 05 19 16-0407	MLF		1/0-1/0-2 Cable SEU Aluminum.....	5,752.62	1,736.93
26 05 19 16-0408	MLF		1/0-1/0-1/0 Cable SEU Aluminum.....	6,766.74	1,833.38
26 05 19 16-0409	MLF		2/0-2/0-1 Cable SEU Aluminum.....	6,497.72	1,964.40
26 05 19 16-0410	MLF		2/0-2/0-2/0 Cable SEU Aluminum.....	6,854.00	2,062.58
26 05 19 16-0411	MLF		3/0-3/0-1/0 Cable SEU Aluminum.....	7,395.84	2,159.76
26 05 19 16-0412	MLF		3/0-3/0-3/0 Cable SEU Aluminum.....	7,897.06	2,291.76
26 05 19 16-0413	MLF		4/0-4/0-2/0 Cable SEU Aluminum.....	8,384.47	2,477.57
26 05 19 16-0414	MLF		4/0-4/0-4/0 Cable SEU Aluminum.....	8,824.00	2,578.21
26 05 19 16-0415 SER Cable Copper, 4 Conductor (26 05 19 16-0357)					
26 05 19 16-0416	MLF		6-6-6-6 Cable SER Copper.....	11,500.77	1,188.78
26 05 19 16-0417	MLF		4-4-4-6 Cable SER Copper.....	15,510.00	1,287.13
26 05 19 16-0418	MLF		3-3-3-5 Cable SER Copper.....	18,372.82	1,452.55
26 05 19 16-0419	MLF		2-2-2-4 Cable SER Copper.....	21,756.71	1,583.56
26 05 19 16-0420	MLF		1-1-1-3 Cable SER Copper.....	26,819.16	1,813.25
26 05 19 16-0421	MLF		1/0-1/0-1/0-2 Cable SER Copper.....	34,747.65	2,078.17
26 05 19 16-0422	MLF		2/0-2/0-2/0-1 Cable SER Copper.....	42,165.77	2,241.93
26 05 19 16-0423	MLF		3/0-3/0-3/0-1/0 Cable SER Copper.....	51,404.34	2,507.67
26 05 19 16-0424 Control Tray Cable, Low Voltage (26 05 19 16-0010)					
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0425	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	807.61	365.34
			<i>For Work In Restricted Working Space, Add</i>	182.67	
26 05 19 16-0426	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	936.61	408.68
			<i>For Work In Restricted Working Space, Add</i>	204.34	
26 05 19 16-0427	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	988.66	408.65
			<i>For Work In Restricted Working Space, Add</i>	204.34	
26 05 19 16-0428	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,237.51	512.56
			<i>For Work In Restricted Working Space, Add</i>	256.28	
26 05 19 16-0429	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,566.18	624.61
			<i>For Work In Restricted Working Space, Add</i>	312.31	
26 05 19 16-0430	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,797.67	686.85
			<i>For Work In Restricted Working Space, Add</i>	343.43	
26 05 19 16-0431	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,152.36	780.44
			<i>For Work In Restricted Working Space, Add</i>	390.22	
26 05 19 16-0432	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,734.82	953.92
			<i>For Work In Restricted Working Space, Add</i>	476.96	
26 05 19 16-0433	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,144.37	1,040.68
			<i>For Work In Restricted Working Space, Add</i>	520.34	
26 05 19 16-0434	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,785.26	1,073.22
			<i>For Work In Restricted Working Space, Add</i>	536.61	
26 05 19 16-0435	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,633.26	1,340.73
			<i>For Work In Restricted Working Space, Add</i>	670.36	
26 05 19 16-0436	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,573.21	1,566.89
			<i>For Work In Restricted Working Space, Add</i>	783.44	
26 05 19 16-0437	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	889.30	384.85
			<i>For Work In Restricted Working Space, Add</i>	192.27	
26 05 19 16-0438	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,036.34	430.19
			<i>For Work In Restricted Working Space, Add</i>	215.09	
26 05 19 16-0439	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,209.84	495.26
			<i>For Work In Restricted Working Space, Add</i>	247.63	
26 05 19 16-0440	MLF		5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,378.27	539.54
			<i>For Work In Restricted Working Space, Add</i>	269.77	
26 05 19 16-0441	MLF		7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,752.26	657.49
			<i>For Work In Restricted Working Space, Add</i>	328.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0442		MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,021.14 361.50	723.01
26 05 19 16-0443		MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,433.71 410.76	821.52
26 05 19 16-0444		MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,104.65 502.04	1,004.08
26 05 19 16-0445		MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,587.97 547.68	1,095.36
26 05 19 16-0446		MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,378.54 564.85	1,129.70
26 05 19 16-0447		MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,350.43 705.61	1,411.22
26 05 19 16-0448		MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,451.09 824.68	1,649.36
26 05 19 16-0449		MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	971.14 200.86	401.72
26 05 19 16-0450		MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,173.02 225.94	451.88
26 05 19 16-0451		MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,381.26 258.25	516.50
26 05 19 16-0452		MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,565.81 278.13	556.27
26 05 19 16-0453		MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,112.28 340.94	681.89
26 05 19 16-0454		MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,450.10 376.64	753.13
26 05 19 16-0455		MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,044.92 420.25	840.50
26 05 19 16-0456		MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,636.91 502.04	1,003.93
26 05 19 16-0457		MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,391.17 583.15	1,166.61
26 05 19 16-0458		MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,514.58 682.11	1,363.92
26 05 19 16-0459		MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,438.24 762.10	1,524.19
26 05 19 16-0460		MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,781.66 890.66	1,781.31
26 05 19 16-0461		MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,148.70 215.09	430.19
26 05 19 16-0462		MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,390.36 237.92	475.98
26 05 19 16-0463		MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,705.28 273.84	547.68
26 05 19 16-0464		MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,947.35 291.46	582.93
26 05 19 16-0465		MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,601.34 347.50	695.00
26 05 19 16-0466		MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,226.19 410.76	821.52
26 05 19 16-0467		MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,957.59 463.40	926.80
26 05 19 16-0468		MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,729.12 531.64	1,063.27
26 05 19 16-0469		MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,616.14 602.58	1,205.16
26 05 19 16-0470		MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,256.14 704.26	1,408.51
26 05 19 16-0471		MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,395.64 823.10	1,646.20
26 05 19 16-0472		MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,185.41 962.05	1,924.10
26 05 19 16-0473		MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,397.76 225.94	451.88
26 05 19 16-0474		MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,777.58 247.63	495.56
26 05 19 16-0475		MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,183.36 282.43	564.85
26 05 19 16-0476		MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,558.88 306.37	612.75
26 05 19 16-0477		MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,493.67 384.55	769.10
26 05 19 16-0478		MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,166.99 430.42	860.83
26 05 19 16-0479		MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,855.19 502.04	1,004.08
26 05 19 16-0480		MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,757.81 574.11	1,148.23
26 05 19 16-0481		MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,858.82 650.71	1,301.41
26 05 19 16-0482		MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,916.26 760.52	1,521.03
26 05 19 16-0483		MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,310.39 888.85	1,777.70
26 05 19 16-0484		MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,535.80 1,039.10	2,078.19

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 19 16-0485		ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0010) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.			
26 05 19 16-0486		ACSR Cable (26 05 19 16-0485)			
26 05 19 16-0487	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,126.23		389.19
26 05 19 16-0488	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,185.96		404.12
26 05 19 16-0489	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,261.90		419.67
26 05 19 16-0490	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,322.09		434.87
26 05 19 16-0491	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,433.17		449.62
26 05 19 16-0492	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,653.72		509.69
26 05 19 16-0493	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,888.63		568.41
26 05 19 16-0494	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,142.85		627.94
26 05 19 16-0495	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	2,591.48		806.98
26 05 19 16-0496	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	2,956.54		925.68
26 05 19 16-0497		All Aluminum Conductors (26 05 19 16-0485)			
26 05 19 16-0498	MLF	795.0 ACSR Conductor Aluminum	21,770.02		7,714.42
26 05 19 16-0499		Single Conductor Installed On Poles (26 05 19 16-0010)			
26 05 19 16-0500		Bare Stranded Conductor (26 05 19 16-0499)			
26 05 19 16-0501	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,047.74		329.75
26 05 19 16-0502	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,263.01		359.43
26 05 19 16-0503	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,479.24		389.47
26 05 19 16-0504	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,887.79		419.67
26 05 19 16-0505	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,374.52		449.98
26 05 19 16-0506	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,538.56		539.73
26 05 19 16-0507	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,093.62		599.52
26 05 19 16-0508	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,705.49		658.24
26 05 19 16-0509	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,444.77		780.72
26 05 19 16-0510	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,886.11		897.62
26 05 19 16-0511	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,393.58		1,017.31
26 05 19 16-0512	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,741.27		1,198.95
26 05 19 16-0513	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,940.79		1,262.08
26 05 19 16-0514	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,993.58		1,321.70
26 05 19 16-0515	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	15,575.61		1,375.92
26 05 19 16-0516	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	18,380.63		1,434.65
26 05 19 16-0517		Insulated Stranded Conductor (26 05 19 16-0499)			
26 05 19 16-0518	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,167.99		329.75
26 05 19 16-0519	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,418.17		359.43
26 05 19 16-0520	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,785.55		389.47
26 05 19 16-0521	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,945.77		419.67
26 05 19 16-0522	MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,462.98		449.98
26 05 19 16-0523	MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,410.82		539.73
26 05 19 16-0524	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,080.87		599.52
26 05 19 16-0525	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,883.36		658.24
26 05 19 16-0526	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,898.56		780.72
26 05 19 16-0527	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,124.74		897.62
26 05 19 16-0528	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,452.98		1,017.31
26 05 19 16-0529	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,377.86		1,198.95
26 05 19 16-0530	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,902.73		1,262.08
26 05 19 16-0531	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,135.49		1,321.70
26 05 19 16-0532	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	14,864.14		1,375.92
26 05 19 16-0533	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,867.35		1,434.65
26 05 19 16-0534		Bare Solid Conductor (26 05 19 16-0499)			
26 05 19 16-0535	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,047.74		329.75
26 05 19 16-0536	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,479.24		389.47
26 05 19 16-0537	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,887.79		419.67
26 05 19 16-0538	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,337.97		449.98
26 05 19 16-0539		Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0010)			
26 05 19 16-0540		Multi-Conductor Cords (26 05 19 16-0539) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.			
26 05 19 16-0541		Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0540) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0542		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0541)			
26 05 19 16-0543		#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)			
26 05 19 16-0544	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.03		0.33
26 05 19 16-0545	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.09		0.33
26 05 19 16-0546	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.28		0.33
26 05 19 16-0547		#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0548	LF		2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.19	0.33
26 05 19 16-0549	LF		3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.31	0.33
26 05 19 16-0550	LF		4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.48	0.33
26 05 19 16-0551			#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0552	LF		2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.41	0.33
26 05 19 16-0553	LF		3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.60	0.33
26 05 19 16-0554	LF		4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.95	0.33
26 05 19 16-0555			#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0556	LF		2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.72	0.33
26 05 19 16-0557	LF		3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.94	0.33
26 05 19 16-0558	LF		4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.25	0.33
26 05 19 16-0559			#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0560	LF		2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.35	0.41
26 05 19 16-0561	LF		3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.50	0.41
26 05 19 16-0562	LF		4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.73	0.41
26 05 19 16-0563			600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0541)		
26 05 19 16-0564			#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0563)		
26 05 19 16-0565	LF		2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.09	0.33
26 05 19 16-0566	LF		3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.22	0.33
26 05 19 16-0567	LF		4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.40	0.33
26 05 19 16-0568	LF		5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.66	0.44
26 05 19 16-0569	LF		6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.94	0.46
26 05 19 16-0570	LF		7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.15	0.47
26 05 19 16-0571	LF		8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.50	0.48
26 05 19 16-0572	LF		10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.09	0.51
26 05 19 16-0573	LF		12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.75	0.52
26 05 19 16-0574	LF		14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.48	0.53
26 05 19 16-0575	LF		16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.59	0.54
26 05 19 16-0576	LF		18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.79	0.56
26 05 19 16-0577	LF		20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.62	0.57
26 05 19 16-0578	LF		24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.80	0.58
26 05 19 16-0579	LF		30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.20	0.62
26 05 19 16-0580			#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0563)		
26 05 19 16-0581	LF		2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.31	0.33
26 05 19 16-0582	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.42	0.33
26 05 19 16-0583	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.65	0.33
26 05 19 16-0584	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.81	0.44
26 05 19 16-0585	LF		6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.14	0.46
26 05 19 16-0586	LF		7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.47	0.47
26 05 19 16-0587	LF		8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.90	0.48
26 05 19 16-0588	LF		9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.06	0.49
26 05 19 16-0589	LF		10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.57	0.51
26 05 19 16-0590	LF		12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.44	0.52
26 05 19 16-0591	LF		14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.88	0.53
26 05 19 16-0592	LF		16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.72	0.54
26 05 19 16-0593	LF		18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.87	0.56
26 05 19 16-0594	LF		20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.91	0.57
26 05 19 16-0595	LF		24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.91	0.58
26 05 19 16-0596	LF		26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.06	0.59
26 05 19 16-0597	LF		30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.15	0.62
26 05 19 16-0598			#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0563)		
26 05 19 16-0599	LF		2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.63	0.33
26 05 19 16-0600	LF		3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.76	0.33

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 19 16-0601	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.08	0.33
26 05 19 16-0602	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.83	0.44
26 05 19 16-0603	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.69	0.46
26 05 19 16-0604	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.97	0.47
26 05 19 16-0605	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.67	0.48
26 05 19 16-0606	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.13	0.49
26 05 19 16-0607	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.90	0.51
26 05 19 16-0608	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.65	0.52
26 05 19 16-0609	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.50	0.53
26 05 19 16-0610	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.36	0.54
26 05 19 16-0611	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.69	0.57
26 05 19 16-0612	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.91	0.58
26 05 19 16-0613	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.55	0.62

26 05 19 16-0614 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0614)

26 05 19 16-0615	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.95	0.33
26 05 19 16-0616	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.20	0.33
26 05 19 16-0617	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.45	0.33
26 05 19 16-0618	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.47	0.44
26 05 19 16-0619	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.27	0.46
26 05 19 16-0620	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.08	0.47
26 05 19 16-0621	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.97	0.48
26 05 19 16-0622	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.59	0.49
26 05 19 16-0623	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.68	0.51
26 05 19 16-0624	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.96	0.52
26 05 19 16-0625	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.15	0.53
26 05 19 16-0626	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.34	0.54
26 05 19 16-0627	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.91	0.56
26 05 19 16-0628	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.98	0.57
26 05 19 16-0629	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	17.11	0.58
26 05 19 16-0630	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.25	0.59
26 05 19 16-0631	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	19.92	0.60
26 05 19 16-0632	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	20.66	0.62

26 05 19 16-0633 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0633)

26 05 19 16-0634	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.28	0.41
26 05 19 16-0635	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.49	0.41
26 05 19 16-0636	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.72	0.41
26 05 19 16-0637	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.79	0.44
26 05 19 16-0638	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.59	0.46
26 05 19 16-0639	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.85	0.47
26 05 19 16-0640	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.25	0.51
26 05 19 16-0641	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.83	0.52
26 05 19 16-0642	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.25	0.54
26 05 19 16-0643	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	22.52	0.57

26 05 19 16-0644 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0644)

26 05 19 16-0645	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.93	0.49
26 05 19 16-0646	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.42	0.58
26 05 19 16-0647	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.64	0.58

26 05 19 16-0648 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0648)

26 05 19 16-0649	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.36	0.58
26 05 19 16-0650	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.93	0.66
26 05 19 16-0651	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.72	0.82

26 05 19 16-0652 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0652)

26 05 19 16-0653	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.95	0.82
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0654 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.17	0.90
26 05 19 16-0655 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	16.02	0.99
26 05 19 16-0656 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0656)</small>		
26 05 19 16-0657 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.26	1.65
26 05 19 16-0658 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	22.03	2.07
26 05 19 16-0659 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	26.25	2.72
26 05 19 16-0660 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0660)</small>		
26 05 19 16-0661 #18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0661)</small>		
26 05 19 16-0662 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.48	0.33
26 05 19 16-0663 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.68	0.33
26 05 19 16-0664 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.08	0.33
26 05 19 16-0665 #16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0665)</small>		
26 05 19 16-0666 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.61	0.33
26 05 19 16-0667 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.94	0.33
26 05 19 16-0668 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.09	0.33
26 05 19 16-0669 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0669)</small>		
26 05 19 16-0670 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.43	0.33
26 05 19 16-0671 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.76	0.33
26 05 19 16-0672 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.91	0.41
26 05 19 16-0673 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0674 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0674)</small>		
26 05 19 16-0675 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.32	0.33
26 05 19 16-0676 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.88	0.33
26 05 19 16-0677 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.47	0.33
26 05 19 16-0678 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0678)</small>		
26 05 19 16-0679 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.52	0.33
26 05 19 16-0680 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.09	0.33
26 05 19 16-0681 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.00	0.33
26 05 19 16-0682 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.32	0.41
26 05 19 16-0683 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0683)</small>		
26 05 19 16-0684 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.23	0.33
26 05 19 16-0685 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.97	0.33
26 05 19 16-0686 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.45	0.41
26 05 19 16-0687 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0687)</small>		
26 05 19 16-0688 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.93	0.33
26 05 19 16-0689 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.58	0.33
26 05 19 16-0690 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.12	0.41
26 05 19 16-0691 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0691)</small>		
26 05 19 16-0692 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.52	0.41
26 05 19 16-0693 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.11	0.41
26 05 19 16-0694 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	5.65	0.41

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 19 16-0695		Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0540)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.			
26 05 19 16-0696		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0695)</small>			
26 05 19 16-0697		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>			
26 05 19 16-0698	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.63		0.33
26 05 19 16-0699	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.85		0.33
26 05 19 16-0700	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.04		0.41
26 05 19 16-0701		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>			
26 05 19 16-0702	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.31		0.33
26 05 19 16-0703	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.74		0.33
26 05 19 16-0704	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.11		0.41
26 05 19 16-0705		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>			
26 05 19 16-0706	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.01		0.33
26 05 19 16-0707	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.56		0.33
26 05 19 16-0708	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.57		0.41
26 05 19 16-0709		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>			
26 05 19 16-0710	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.90		0.41
26 05 19 16-0711	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.57		0.41
26 05 19 16-0712	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.91		0.41
26 05 19 16-0713		Multi-Conductor Type W Cord <small>(26 05 19 16-0540)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0714		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0713)</small>			
26 05 19 16-0715		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>			
26 05 19 16-0716	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.49		0.49
26 05 19 16-0717	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.94		0.58
26 05 19 16-0718	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.11		0.58
26 05 19 16-0719		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>			
26 05 19 16-0720	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.86		0.58
26 05 19 16-0721	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.02		0.66
26 05 19 16-0722	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.78		0.82
26 05 19 16-0723		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>			
26 05 19 16-0724	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.31		0.58
26 05 19 16-0725	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.84		0.66
26 05 19 16-0726	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	12.74		0.82
26 05 19 16-0727		Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0539)</small>			
26 05 19 16-0728		Cord Grips <small>(26 05 19 16-0727)</small>			
26 05 19 16-0729	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	52.53		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00		
26 05 19 16-0730	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	52.81		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00		
26 05 19 16-0731		Cable Reels <small>(26 05 19 16-0727)</small> Note: Includes handling, mounting, electrical connections and installing cord.			
26 05 19 16-0732	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	673.42		41.25
26 05 19 16-0733	EA	50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,943.03		41.25
26 05 19 16-0734	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,441.17		41.25
26 05 19 16-0735		Extension Cords For Cable Reel <small>(26 05 19 16-0727)</small>			
26 05 19 16-0736	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	141.82		
26 05 19 16-0737	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	202.12		
26 05 19 16-0738		Plugs And Connector Bodies <small>(26 05 19 16-0727)</small> Note: Up to 277 volt			
26 05 19 16-0739		NEMA Twist-Lock Plugs <small>(26 05 19 16-0738)</small>			
26 05 19 16-0740	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	65.09		
26 05 19 16-0741	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	66.92		
26 05 19 16-0742	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	59.20		
26 05 19 16-0743	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	64.86		

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST.

Table listing electrical components such as NEMA Twist-Lock Plugs with their descriptions, quantities, and costs.

26 05 19 16-0751 NEMA Twist-Lock Connector Bodies (26 05 19 16-0738)

Table listing NEMA Twist-Lock Connector Bodies with descriptions, quantities, and costs.

26 05 19 16-0763 Watertight Pin And Sleeve Plug (26 05 19 16-0738)

Table listing Watertight Pin And Sleeve Plugs with descriptions, quantities, and costs.

26 05 19 16-0787 Watertight Pin And Sleeve Connector (26 05 19 16-0738)

Table listing Watertight Pin And Sleeve Connectors with descriptions, quantities, and costs.

26 05 19 16-0811 Accessories (26 05 19 16-0727)

Table listing accessories such as steel and nylon cord connectors with descriptions and costs.

26 Electrical

26 05 Common Work Results for Electrical

26 05 19 Low-Voltage Electrical Power Conductors and Cables

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0816	EA		1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	48.33	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0817	EA		1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	84.29	12.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 19 16-0818	EA		1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	30.17	8.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 19 16-0819	EA		1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	51.39	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0820	EA		3/4" Straight Steel Cord Connector.....	44.74	8.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 19 16-0821	EA		3/4" Straight Nylon Cord Connector.....	26.50	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 19 16-0822	EA		3/4" 90 Degree Steel Cord Connector.....	54.78	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0823	EA		3/4" 90 Degree Nylon Cord Connector.....	33.58	8.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 19 16-0824	EA		3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	54.40	12.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 19 16-0825	EA		3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	64.73	14.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 19 16-0826	EA		3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	36.25	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0827	EA		3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	43.79	12.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 19 16-0828	EA		1" Straight Steel Cord Connector.....	56.65	8.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 19 16-0829	EA		1" Straight Nylon Cord Connector.....	32.45	6.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 19 16-0830	EA		1" 90 Degree Steel Cord Connector.....	62.65	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0831	EA		1" 90 Degree Nylon Cord Connector.....	37.51	8.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 19 16-0832	EA		1" Straight Steel Cord Connector With Strain Relief Mesh.....	66.91	12.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 19 16-0833	EA		1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	72.99	14.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 19 16-0834	EA		1" Straight Nylon Cord Connector With Strain Relief Mesh.....	42.60	10.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 19 16-0835	EA		1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	49.16	12.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	

26 05 23 Control-Voltage Electrical Power Cables (26 05)

- 26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)
- 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)
Note: For surface or conduit installation.

26 05 23 00-0003	MLF		#20/2 Conductor, Low Volt Thermostat Cable.....	372.26	96.03
26 05 23 00-0004	MLF		#20/3 Conductor, Low Volt Thermostat Cable.....	436.13	101.15
26 05 23 00-0005	MLF		#20/4 Conductor, Low Volt Thermostat Cable.....	476.27	106.95
26 05 23 00-0006	MLF		#20/5 Conductor, Low Volt Thermostat Cable.....	594.07	111.47
26 05 23 00-0007	MLF		#20/6 Conductor, Low Volt Thermostat Cable.....	625.09	116.74
26 05 23 00-0008	MLF		#20/7 Conductor, Low Volt Thermostat Cable.....	694.93	121.59
26 05 23 00-0009	MLF		#20/8 Conductor, Low Volt Thermostat Cable.....	754.51	126.45
26 05 23 00-0010	MLF		#20/9 Conductor, Low Volt Thermostat Cable.....	826.85	131.50
26 05 23 00-0011	MLF		#20/10 Conductor, Low Volt Thermostat Cable.....	897.56	135.45
26 05 23 00-0012	MLF		#18/2 Conductor, Low Volt Thermostat Cable.....	415.24	96.03
26 05 23 00-0013	MLF		#18/3 Conductor, Low Volt Thermostat Cable.....	512.80	101.15
26 05 23 00-0014	MLF		#18/4 Conductor, Low Volt Thermostat Cable.....	597.91	106.95
26 05 23 00-0015	MLF		#18/5 Conductor, Low Volt Thermostat Cable.....	644.28	111.47
26 05 23 00-0016	MLF		#18/6 Conductor, Low Volt Thermostat Cable.....	725.96	116.74
26 05 23 00-0017	MLF		#18/7 Conductor, Low Volt Thermostat Cable.....	741.25	121.59
26 05 23 00-0018	MLF		#18/8 Conductor, Low Volt Thermostat Cable.....	825.19	126.45
26 05 23 00-0019	MLF		#18/9 Conductor, Low Volt Thermostat Cable.....	996.43	131.50
26 05 23 00-0020	MLF		#18/10 Conductor, Low Volt Thermostat Cable.....	1,106.72	135.45

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

- 26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)
- 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)
- 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF		12 AWG Copper Bare Single Stranded Conductor.....	517.16	161.84
26 05 26 00-0005	MLF		10 AWG Copper Bare Single Stranded Conductor.....	720.34	161.84
26 05 26 00-0006	MLF		8 AWG Copper Bare Single Stranded Conductor.....	924.19	194.96
26 05 26 00-0007	MLF		6 AWG Copper Bare Single Stranded Conductor.....	1,344.87	194.96
26 05 26 00-0008	MLF		4 AWG Copper Bare Single Stranded Conductor.....	1,870.11	235.41
26 05 26 00-0009	MLF		2 AWG Copper Bare Single Stranded Conductor.....	3,056.05	235.41
26 05 26 00-0010	MLF		1 AWG Copper Bare Single Stranded Conductor.....	3,566.97	283.23
26 05 26 00-0011	MLF		1/0 AWG Copper Bare Single Stranded Conductor.....	4,194.37	283.23
26 05 26 00-0012	MLF		2/0 AWG Copper Bare Single Stranded Conductor.....	5,981.99	356.80
26 05 26 00-0013	MLF		3/0 AWG Copper Bare Single Stranded Conductor.....	7,426.88	356.80
26 05 26 00-0014	MLF		4/0 AWG Copper Bare Single Stranded Conductor.....	7,812.22	474.51
26 05 26 00-0015	MLF		250 MCM Copper Bare Single Stranded Conductor.....	10,146.17	474.51
26 05 26 00-0016	MLF		300 MCM Copper Bare Single Stranded Conductor.....	10,133.62	548.08

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple sections of conductor data including Copper Insulated Single Stranded Conductors, Copper Bare Single Solid Conductors, Copper Smooth Woven Conductors, Aluminum Bare Single Stranded Conductors, Aluminum Bare Single Solid Conductors, and Aluminum Smooth Woven Conductors.

26 Electrical

26 05 Common Work Results for Electrical

26 05 26 Grounding and Bonding for Electrical Systems

MINOR CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

Table with columns: Item Code, Description, Unit Cost, Demolition Unit Cost. Section: Copper Flexible Braid Connector Jumper Strap. Includes sub-items for 100, 225, and 400 Ampere jumper straps in 12", 18", and 24" lengths.

Table with columns: Item Code, Description, Unit Cost, Demolition Unit Cost. Section: Bonding Jumper For Metallic Conduit. Includes sub-items for 1/2", 1-1/4", 2-1/2", and 5" to 6" conductors.

Table with columns: Item Code, Description, Unit Cost, Demolition Unit Cost. Section: Ground Rods and Copper-Clad Ground Rods. Includes sub-items for 1/2", 5/8", 3/4", and 10" diameters.

Table with columns: Item Code, Description, Unit Cost, Demolition Unit Cost. Section: Ground Access Wells and Precast Ground Access Wells. Includes sub-items for 8", 10", 12", and 18" diameters.

Table with columns: Item Code, Description, Unit Cost, Demolition Unit Cost. Section: Polyvinyl Chloride (PVC) Ground Access Well. Includes sub-items for various diameters (8" to 12") and configurations (Belled Hub, Slotted, Plastic Cover).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0132	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	558.52	
26 05 26 00-0133	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	680.34	
26 05 26 00-0134	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	298.23	
26 05 26 00-0135	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	525.39	
26 05 26 00-0136	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	565.87	
26 05 26 00-0137			Polymer Concrete Ground Access Well (26 05 26 00-0110)		
26 05 26 00-0138	EA		12" x 12" x 12" Polymer Concrete Ground Access Well.....	379.69	
26 05 26 00-0139	EA		12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	416.40	
26 05 26 00-0140	EA		12" x 12" x 18" Polymer Concrete Ground Access Well.....	418.29	
26 05 26 00-0141	EA		12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	458.67	
26 05 26 00-0142	EA		12" x 12" x 24" Polymer Concrete Ground Access Well.....	458.37	
26 05 26 00-0143	EA		12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	502.77	
26 05 26 00-0144	EA		13" x 24" x 18" Polymer Concrete Ground Access Well.....	611.06	
26 05 26 00-0145	EA		13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	671.59	
26 05 26 00-0146			High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0110)		
26 05 26 00-0147	EA		9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	139.12	
26 05 26 00-0148	EA		14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	193.72	
26 05 26 00-0149			Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0150			Bronze Ground Rod Clamp (26 05 26 00-0149)		
26 05 26 00-0151	EA		1/2" Bronze Ground Rod Clamp.....	18.51	9.32
26 05 26 00-0152	EA		5/8" Bronze Ground Rod Clamp.....	19.61	9.32
26 05 26 00-0153	EA		3/4" Bronze Ground Rod Clamp.....	21.17	9.32
26 05 26 00-0154			Bronze Pipe Clamps (26 05 26 00-0149)		
26 05 26 00-0155	EA		1/2" To 1" Bronze Pipe Ground Clamps.....	22.85	15.51
26 05 26 00-0156	EA		1-1/4" To 2" Bronze Ground Clamps For Pipe.....	29.67	18.56
26 05 26 00-0157	EA		2-1/2" To 3" Bronze Ground Clamps For Pipe.....	47.32	21.70
26 05 26 00-0158	EA		2-1/2" To 4" Bronze Ground Clamps For Pipe.....	57.16	27.89
26 05 26 00-0159	EA		4" To 6" Bronze Ground Clamps For Pipe.....	88.78	40.26
26 05 26 00-0160			Grounding Fittings (26 05 26 00-0149)		
26 05 26 00-0161			Embedded Fittings (26 05 26 00-0160)		
26 05 26 00-0162	EA		Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	125.04	
26 05 26 00-0163	EA		Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	134.94	
26 05 26 00-0164	EA		Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	152.52	
26 05 26 00-0165	EA		#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	111.73	
26 05 26 00-0166	EA		1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	133.80	
26 05 26 00-0167	EA		4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	157.30	
26 05 26 00-0168	EA		350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	178.10	
26 05 26 00-0169			Ground Rod Receptacle (26 05 26 00-0160)		
26 05 26 00-0170	EA		1/2" Ground Rod Receptacle.....	272.46	85.80
26 05 26 00-0171	EA		5/8" Ground Rod Receptacle.....	286.16	88.22
26 05 26 00-0172	EA		3/4" Ground Rod Receptacle.....	300.12	90.62
26 05 26 00-0173			Ground Kits For Circuit Breaker Panels (26 05 26 00-0160)		
26 05 26 00-0174	EA		14-8 AWG Copper Ground Kit.....	59.91	20.63
26 05 26 00-0175	EA		12-8 AWG Aluminum Ground Kit.....	56.33	20.63
26 05 26 00-0176	EA		14-4 AWG Copper Ground Kit.....	68.24	20.63
26 05 26 00-0177	EA		12-4 AWG Aluminum Ground Kit.....	66.88	20.63
26 05 26 00-0178			Insulated Grounding Bars (26 05 26 00-0149)		
26 05 26 00-0179	EA		1/2" x 4" x 10" Insulated Ground Bar..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.30 37.13	20.71
26 05 26 00-0180	EA		Insulated Ground Bar SK 9560 1/2" x 4" x 20"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.39 37.13	20.71
26 05 26 00-0181			Ground Conductor Bonding (26 05 26)		
26 05 26 00-0182			Ground Conductor Bonding (26 05 26 00-0181)		
26 05 26 00-0183			Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0182)		
26 05 26 00-0184	EA		Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	96.21	

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....		104.45	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....		112.70	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel		162.20	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0188		Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0182)</small>			
26 05 26 00-0189	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....		108.58	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0190	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross		125.07	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0191	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross		153.96	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0192	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....		186.95	
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0193		Grounding Equipment <small>(26 05 26)</small>			
26 05 26 00-0194		Special Grounding Equipment <small>(26 05 26 00-0193)</small>			
26 05 26 00-0195		Ground Reels And Ground Bus <small>(26 05 26 00-0194)</small>			
26 05 26 00-0196	EA	Ground Reel With 50' Of Galvanized Steel Cable.....		698.06	
26 05 26 00-0197		Copper Bars <small>(26 05 26 00-0194)</small>			
26 05 26 00-0198	LF	1/4" x 2" Copper Bar		39.23	
26 05 26 00-0199		Phenolic Insulators <small>(26 05 26 00-0194)</small>			
26 05 26 00-0200	EA	2" x 2" x 1" Long Phenolic Insulators		23.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.95	
26 05 26 00-0201		Grounding Studs <small>(26 05 26 00-0194)</small>			
26 05 26 00-0202	EA	Ball Grounding Stud.....		34.39	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.39	
26 05 26 00-0203		Equipment Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0204	EA	Switch Rating 30 Ground Bar Kit		27.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.95	
26 05 26 00-0205	EA	Switch Rating 60 Ground Bar Kit		36.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.45	
26 05 26 00-0206	EA	Switch Rating 100 Ground Bar Kit		42.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.19	
26 05 26 00-0207	EA	Switch Rating 200 Ground Bar Kit		78.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.43	
26 05 26 00-0208		Panelboard Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0209	EA	Panelboard Ground Bar Kit.....		120.55	6.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.19	
26 05 26 00-0210		Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0211	EA	3 Circuit, Ground Bar Kit.....		23.58	3.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.71	
26 05 26 00-0212	EA	4 Circuit, Ground Bar Kit.....		23.06	3.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.71	
26 05 26 00-0213	EA	7 Circuit, Ground Bar Kit.....		23.92	3.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.71	
26 05 26 00-0214	EA	12 Circuit, Ground Bar Kit.....		27.12	4.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.21	
26 05 26 00-0215	EA	20 Circuit, Ground Bar Kit.....		31.00	4.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.70	
26 05 26 00-0216	EA	24 Circuit, Ground Bar Kit.....		34.21	5.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.20	
26 05 26 00-0217	EA	30 Circuit, Ground Bar Kit.....		38.06	5.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.94	
26 05 26 00-0218	EA	54 Circuit, Ground Bar Kit.....		43.96	6.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.93	
26 05 26 00-0219	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug		51.61	5.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.20	
26 05 26 00-0220	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug		56.84	5.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.94	
26 05 26 00-0221	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug		62.91	6.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.93	
26 05 29 Hangers and Supports for Electrical Systems <small>(26 05)</small>					
26 05 29 00-0001		Metal Framing Channel And Fittings <small>(26 05 29)</small>			

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
26 05 29 00-0002		Metal Framing Channel <small>(26 05 29 00-0001)</small> Note: Excludes fasteners and accessories.			
26 05 29 00-0003		14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>			
26 05 29 00-0004		14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel		15.56	4.52
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel		18.32	4.52
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel		8.42	1.70
26 05 29 00-0008		14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		31.08	4.52
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		34.85	4.52
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		49.35	4.52
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		56.89	4.52
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		23.93	1.71
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		27.70	1.71
26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>			
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel		47.35	4.52
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel		81.91	4.52
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel		40.20	1.71
26 05 29 00-0019		12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>			
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>			
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel		16.78	4.52
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel		16.37	4.52
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel		16.10	4.52
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel		20.77	4.52
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel		19.94	4.52
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel		19.40	4.52
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel		9.64	1.70
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel		9.23	1.70
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel		8.96	1.70
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>			
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		36.10	4.52
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		42.60	4.52
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		59.39	4.52
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		72.40	4.52
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		28.96	1.70
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		35.46	1.70
26 05 29 00-0037		Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>			
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>			
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>			
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings		5.00	0.41
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings		9.92	4.13
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>			
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel		18.00	4.13
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>			
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>			
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting		4.90	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting		4.86	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting		5.95	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>			
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting		17.51	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting		26.35	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting		33.84	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>			
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>			
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting		4.73	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting		3.94	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting		6.90	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting		6.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0059 Stainless Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.76	
26 05 29 00-0061 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.35	
26 05 29 00-0062 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.38	
26 05 29 00-0063 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.01	
26 05 29 00-0064 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.66	
26 05 29 00-0065 EA 3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	25.74	
26 05 29 00-0066 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.40	
26 05 29 00-0067 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.16	
26 05 29 00-0068 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0069 Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	9.92	
26 05 29 00-0071 U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072 Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	3.43	
26 05 29 00-0074 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	3.84	
26 05 29 00-0075 Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	21.01	
26 05 29 00-0077 Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078 Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079 EA 3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	10.18	
26 05 29 00-0080 Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081 EA 3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	41.45	
26 05 29 00-0082 Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0083 Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0084 EA 1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.64	1.24
26 05 29 00-0085 EA 3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.66	1.24
26 05 29 00-0086 EA 1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	3.75	1.24
26 05 29 00-0087 EA 1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.71	1.65
26 05 29 00-0088 EA 1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.18	1.65
26 05 29 00-0089 EA 2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.23	1.65
26 05 29 00-0090 EA 2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	6.39	2.07
26 05 29 00-0091 EA 3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.81	2.07
26 05 29 00-0092 EA 3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.21	2.07
26 05 29 00-0093 EA 4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.36	2.07
26 05 29 00-0094 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0095 EA 1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.23	1.24
26 05 29 00-0096 EA 3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.21	1.24
26 05 29 00-0097 EA 1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.20	1.24
26 05 29 00-0098 EA 1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.33	1.65
26 05 29 00-0099 EA 1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	14.07	1.65
26 05 29 00-0100 EA 2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	14.79	1.65
26 05 29 00-0101 EA 2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.66	2.07
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.10	2.07
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.15	2.07
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	25.02	2.07
26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	7.83	1.24
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.22	1.24
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.62	1.24
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.52	1.65
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.31	1.65
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.55	1.65
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.51	2.07
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.75	2.07
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.58	2.07
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	34.98	2.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	UNIT COST	UNIT COST		
26 05 29 00-0116			Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)						
26 05 29 00-0117			Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)						
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting	27.27				7.53	
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	17.87				7.53	
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	26.32				7.53	
26 05 29 00-0121			304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)						
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	44.27				7.53	
26 05 29 00-0123			Square Washers For Unistrut Channel (26 05 29 00-0037)						
26 05 29 00-0124			Steel Square Washers For Unistrut Channel (26 05 29 00-0123)						
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	3.44					
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)						
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	4.63					
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	5.97					
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)						
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel	28.17					
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)						
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel	34.94					
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037) Note: Includes hex bolt.						
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133) Note: Includes hex bolt.						
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel	5.75					
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.32					
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel	6.75					
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel	9.07					
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133) Note: Includes hex bolt.						
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	13.55					
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.47					
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	20.78					
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	36.06					
26 05 29 00-0144			Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037) Note: Includes hex bolt.						
26 05 29 00-0145			Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.						
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	5.77					
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	6.40					
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	6.78					
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	9.74					
26 05 29 00-0150			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.						
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.50					
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.61					
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.71					
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	35.11					
26 05 29 00-0155			Mounting Assemblies (26 05 29)						
26 05 29 00-0156			Galvanized Steel Mounting Assemblies (26 05 29 00-0155)						
26 05 29 00-0157			Galvanized Steel Back Plate (26 05 29 00-0156)						
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	367.00				49.50	
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	89.99				16.50	
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	227.95				41.25	
26 05 29 00-0161			Aluminum Mounting Assemblies (26 05 29 00-0155)						
26 05 29 00-0162			Aluminum Back Plate (26 05 29 00-0161)						
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate	280.46				61.88	
26 05 29 00-0164	EA		3/16" x 4' x 4' Aluminum Back Plate	784.62				61.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0165 Supports <small>(26 05 29)</small>		
26 05 29 00-0166 One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167	EA 1/2", One Hole Steel Conduit Strap	3.02
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.14
	For >100 To 250, Deduct	-0.28
	For >250 To 500, Deduct	-0.56
	For >500, Deduct	-0.83
26 05 29 00-0168	EA 3/4", One Hole Steel Conduit Strap	3.06
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.14
	For >100 To 250, Deduct	-0.29
	For >250 To 500, Deduct	-0.56
	For >500, Deduct	-0.83
26 05 29 00-0169	EA 1", One Hole Steel Conduit Strap	3.25
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.15
	For >100 To 250, Deduct	-0.29
	For >250 To 500, Deduct	-0.57
	For >500, Deduct	-0.85
26 05 29 00-0170	EA 1-1/4", One Hole Steel Conduit Strap	3.39
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.15
	For >100 To 250, Deduct	-0.30
	For >250 To 500, Deduct	-0.58
	For >500, Deduct	-0.87
26 05 29 00-0171	EA 1-1/2", One Hole Steel Conduit Strap	3.48
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.15
	For >100 To 250, Deduct	-0.31
	For >250 To 500, Deduct	-0.59
	For >500, Deduct	-0.88
26 05 29 00-0172	EA 2", One Hole Steel Conduit Strap	4.05
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.17
	For >100 To 250, Deduct	-0.33
	For >250 To 500, Deduct	-0.63
	For >500, Deduct	-0.93
26 05 29 00-0173	EA 2-1/2", One Hole Steel Conduit Strap	4.64
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.18
	For >100 To 250, Deduct	-0.36
	For >250 To 500, Deduct	-0.68
	For >500, Deduct	-0.99
26 05 29 00-0174	EA 3", One Hole Steel Conduit Strap	4.84
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.19
	For >100 To 250, Deduct	-0.37
	For >250 To 500, Deduct	-0.69
	For >500, Deduct	-1.01
26 05 29 00-0175	EA 3-1/2", One Hole Steel Conduit Strap	5.80
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.21
	For >100 To 250, Deduct	-0.42
	For >250 To 500, Deduct	-0.77
	For >500, Deduct	-1.11
26 05 29 00-0176	EA 4", One Hole Steel Conduit Strap	6.57
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.23
	For >100 To 250, Deduct	-0.46
	For >250 To 500, Deduct	-0.82
	For >500, Deduct	-1.19
26 05 29 00-0177 One Hole Iron Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0178	EA 1/2", One Hole Iron Conduit Strap	3.11
	For Work In Restricted Working Space, Add	0.79
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.76
	For >50 To 100, Deduct	-0.14
	For >100 To 250, Deduct	-0.29
	For >250 To 500, Deduct	-0.56
	For >500, Deduct	-0.84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap .....3.21		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.85	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap .....3.37		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap .....3.77		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.91	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap .....3.93		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.92	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap .....4.95		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.02	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap .....7.13		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.24	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap .....8.95		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.42	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....11.61		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.69	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....22.25		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.62	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.75	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....27.98		
For Work In Restricted Working Space, Add	0.79	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-3.33	
26 05 29 00-0189 Two Hole Steel Conduit Straps (26 05 29 00-0185)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap .....3.51		
For Work In Restricted Working Space, Add	0.89	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.95	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap .....3.57		
For Work In Restricted Working Space, Add	0.89	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0192	EA 1", Two Hole Steel Conduit Strap	3.60
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.16
	For >100 To 250, Deduct	-0.33
	For >250 To 500, Deduct	-0.64
	For >500, Deduct	-0.95
26 05 29 00-0193	EA 1-1/4", Two Hole Steel Conduit Strap	3.65
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.17
	For >100 To 250, Deduct	-0.33
	For >250 To 500, Deduct	-0.65
	For >500, Deduct	-0.96
26 05 29 00-0194	EA 1-1/2", Two Hole Steel Conduit Strap	3.68
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.17
	For >100 To 250, Deduct	-0.33
	For >250 To 500, Deduct	-0.65
	For >500, Deduct	-0.96
26 05 29 00-0195	EA 2", Two Hole Steel Conduit Strap	3.76
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.17
	For >100 To 250, Deduct	-0.34
	For >250 To 500, Deduct	-0.65
	For >500, Deduct	-0.97
26 05 29 00-0196	EA 2-1/2", Two Hole Steel Conduit Strap	4.20
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.18
	For >100 To 250, Deduct	-0.36
	For >250 To 500, Deduct	-0.69
	For >500, Deduct	-1.01
26 05 29 00-0197	EA 3", Two Hole Steel Conduit Strap	4.29
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.18
	For >100 To 250, Deduct	-0.36
	For >250 To 500, Deduct	-0.69
	For >500, Deduct	-1.02
26 05 29 00-0198	EA 3-1/2", Two Hole Steel Conduit Strap	4.63
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.19
	For >100 To 250, Deduct	-0.38
	For >250 To 500, Deduct	-0.72
	For >500, Deduct	-1.06
26 05 29 00-0199	EA 4", Two Hole Steel Conduit Strap	4.87
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.20
	For >100 To 250, Deduct	-0.39
	For >250 To 500, Deduct	-0.74
	For >500, Deduct	-1.08
26 05 29 00-0200	EA 5", Two Hole Steel Conduit Strap	5.18
	For Work In Restricted Working Space, Add	0.89
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.94
	For >50 To 100, Deduct	-0.20
	For >100 To 250, Deduct	-0.41
	For >250 To 500, Deduct	-0.76
	For >500, Deduct	-1.11

26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0185)

26 05 29 00-0202	EA 1/2" Conduit, Clamp Back Spacer.....	2.83
	For Work In Restricted Working Space, Add	0.62
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.62
	For >50 To 100, Deduct	-0.12
	For >100 To 250, Deduct	-0.25
	For >250 To 500, Deduct	-0.47
	For >500, Deduct	-0.70
26 05 29 00-0203	EA 3/4" Conduit, Clamp Back Spacer.....	3.08
	For Work In Restricted Working Space, Add	0.62
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.62
	For >50 To 100, Deduct	-0.13
	For >100 To 250, Deduct	-0.26
	For >250 To 500, Deduct	-0.49
	For >500, Deduct	-0.72
26 05 29 00-0204	EA 1" Conduit, Clamp Back Spacer.....	3.31
	For Work In Restricted Working Space, Add	0.62
	For Installation On Concrete (Includes Drilling And Fastener), Add	0.62
	For >50 To 100, Deduct	-0.13
	For >100 To 250, Deduct	-0.27
	For >250 To 500, Deduct	-0.51
	For >500, Deduct	-0.75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer	4.23	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.84	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer	4.96	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.91	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	5.73	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-0.99	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer	8.87	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.30	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	12.62	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.68	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer	16.26	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-2.04	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	33.35	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-0.89	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.75	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	62.21	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.62	
For >50 To 100, Deduct	-1.61	
For >100 To 250, Deduct	-3.21	
For >250 To 500, Deduct	-4.92	
For >500, Deduct	-6.64	
26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	3.44	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	3.44	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.87	
26 05 29 00-0216 EA 1" Conduit Clip.....	3.38	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	3.53	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.88	

26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0219	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.27	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.73	
		<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0220	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.43	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.39	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-1.10	
26 05 29 00-0221	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.73	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For >50 To 100, Deduct</i>	-0.21	
		<i>For >100 To 250, Deduct</i>	-0.41	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0222	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.81	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For >50 To 100, Deduct</i>	-0.21	
		<i>For >100 To 250, Deduct</i>	-0.42	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0223	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.41	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.98	
		<i>For >50 To 100, Deduct</i>	-0.22	
		<i>For >100 To 250, Deduct</i>	-0.45	
		<i>For >250 To 500, Deduct</i>	-0.84	
		<i>For >500, Deduct</i>	-1.24	
26 05 29 00-0224	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.86	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.48	
		<i>For >250 To 500, Deduct</i>	-0.90	
		<i>For >500, Deduct</i>	-1.33	
26 05 29 00-0225	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.39	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.51	
		<i>For >250 To 500, Deduct</i>	-0.94	
		<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0226	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	11.76	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For >50 To 100, Deduct</i>	-0.40	
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.40	
		<i>For >500, Deduct</i>	-2.00	
26 05 29 00-0227		Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)		
		Note: Bat wing.		
26 05 29 00-0228	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	2.48	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.60	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.22	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.64	
26 05 29 00-0229	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	2.52	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.60	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.44	
		<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0230	EA	1", Conduit Hanger From Flange, Wire Or Rod	2.64	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.60	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.45	
		<i>For >500, Deduct</i>	-0.66	
26 05 29 00-0231	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.94	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.60	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100 To 250, Deduct</i>	-0.25	
		<i>For >250 To 500, Deduct</i>	-0.47	
		<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0232		Beam Flange Clamps (26 05 29 00-0165)		
		Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.74	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.29	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500, Deduct</i>	-0.79	
26 05 29 00-0234	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.66	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.29	
		<i>For >250 To 500, Deduct</i>	-0.53	
		<i>For >500, Deduct</i>	-0.78	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
26 05 29 00-0235	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	4.12	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.31	
		<i>For >250 To 500, Deduct</i>	-0.57	
		<i>For >500, Deduct</i>	-0.83	
26 05 29 00-0236		T-Bar Support Clips <small>(26 05 29 00-0165)</small>	6.14	
26 05 29 00-0237	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	6.14	
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100 To 250, Deduct</i>	-0.51	
		<i>For >250 To 500, Deduct</i>	-0.98	
		<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0238	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	5.78	
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.95	
		<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0239	EA	15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	2.27	
		<i>For >50 To 100, Deduct</i>	-0.08	
		<i>For >100 To 250, Deduct</i>	-0.17	
		<i>For >250 To 500, Deduct</i>	-0.30	
		<i>For >500, Deduct</i>	-0.43	
26 05 29 00-0240	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	19.45	
		<i>For >50 To 100, Deduct</i>	-0.53	
		<i>For >100 To 250, Deduct</i>	-1.06	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500, Deduct</i>	-2.28	
26 05 29 00-0241		Switch And Outlet Box Type Supports <small>(26 05 29 00-0165)</small>	4.69	
26 05 29 00-0242	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	4.69	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100 To 250, Deduct</i>	-0.32	
		<i>For >250 To 500, Deduct</i>	-0.56	
		<i>For >500, Deduct</i>	-0.80	
26 05 29 00-0243	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.94	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.50	
		<i>For >500, Deduct</i>	-0.72	
26 05 29 00-0244	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	4.58	
		<i>For >50 To 100, Deduct</i>	-0.16	
		<i>For >100 To 250, Deduct</i>	-0.31	
		<i>For >250 To 500, Deduct</i>	-0.55	
		<i>For >500, Deduct</i>	-0.79	
26 05 29 00-0245	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	2.87	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.42	
		<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0246	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	3.01	
		<i>For >50 To 100, Deduct</i>	-0.12	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.63	
26 05 29 00-0247		Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>	4.03	
		Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	4.03	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100 To 250, Deduct</i>	-0.37	
		<i>For >250 To 500, Deduct</i>	-0.71	
		<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0249	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	15.14	
		<i>For >50 To 100, Deduct</i>	-0.46	
		<i>For >100 To 250, Deduct</i>	-0.92	
		<i>For >250 To 500, Deduct</i>	-1.55	
		<i>For >500, Deduct</i>	-2.17	
26 05 29 00-0250	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	20.98	
		<i>For >50 To 100, Deduct</i>	-0.61	
		<i>For >100 To 250, Deduct</i>	-1.21	
		<i>For >250 To 500, Deduct</i>	-1.99	
		<i>For >500, Deduct</i>	-2.76	
26 05 29 00-0251		Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>	3.64	
26 05 29 00-0252	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	3.64	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.31	
		<i>For >250 To 500, Deduct</i>	-0.58	
		<i>For >500, Deduct</i>	-0.86	
		<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0253	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	3.66	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.31	
		<i>For >250 To 500, Deduct</i>	-0.58	
		<i>For >500, Deduct</i>	-0.86	
		<i>For Work In Restricted Working Space, Add</i>	0.74	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0254	EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.75
	<i>For >50 To 100, Deduct</i>	-0.16
	<i>For >100 To 250, Deduct</i>	-0.31
	<i>For >250 To 500, Deduct</i>	-0.59
	<i>For >500, Deduct</i>	-0.87
	<i>For Work In Restricted Working Space, Add</i>	0.74
26 05 29 00-0255	EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.70
	<i>For >50 To 100, Deduct</i>	-0.20
	<i>For >100 To 250, Deduct</i>	-0.40
	<i>For >250 To 500, Deduct</i>	-0.77
	<i>For >500, Deduct</i>	-1.13
	<i>For Work In Restricted Working Space, Add</i>	0.99
26 05 29 00-0256	EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.17
	<i>For >50 To 100, Deduct</i>	-0.21
	<i>For >100 To 250, Deduct</i>	-0.42
	<i>For >250 To 500, Deduct</i>	-0.80
	<i>For >500, Deduct</i>	-1.18
	<i>For Work In Restricted Working Space, Add</i>	0.99
26 05 29 00-0257	EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.22
	<i>For >50 To 100, Deduct</i>	-0.21
	<i>For >100 To 250, Deduct</i>	-0.43
	<i>For >250 To 500, Deduct</i>	-0.80
	<i>For >500, Deduct</i>	-1.18
	<i>For Work In Restricted Working Space, Add</i>	0.99
26 05 29 00-0258	EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.38
	<i>For >50 To 100, Deduct</i>	-0.26
	<i>For >100 To 250, Deduct</i>	-0.53
	<i>For >250 To 500, Deduct</i>	-0.99
	<i>For >500, Deduct</i>	-1.46
	<i>For Work In Restricted Working Space, Add</i>	1.24
26 05 29 00-0259	EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.80
	<i>For >50 To 100, Deduct</i>	-0.27
	<i>For >100 To 250, Deduct</i>	-0.55
	<i>For >250 To 500, Deduct</i>	-1.03
	<i>For >500, Deduct</i>	-1.50
	<i>For Work In Restricted Working Space, Add</i>	1.24
26 05 29 00-0260	EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.20
	<i>For >50 To 100, Deduct</i>	-0.28
	<i>For >100 To 250, Deduct</i>	-0.57
	<i>For >250 To 500, Deduct</i>	-1.06
	<i>For >500, Deduct</i>	-1.54
	<i>For Work In Restricted Working Space, Add</i>	1.24
26 05 29 00-0261	EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.35
	<i>For >50 To 100, Deduct</i>	-0.29
	<i>For >100 To 250, Deduct</i>	-0.57
	<i>For >250 To 500, Deduct</i>	-1.07
	<i>For >500, Deduct</i>	-1.56
	<i>For Work In Restricted Working Space, Add</i>	1.24

26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29

26 05 29 00-0263	EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.95
	<i>For >50 To 100, Deduct</i>	-0.16
	<i>For >100 To 250, Deduct</i>	-0.32
	<i>For >250 To 500, Deduct</i>	-0.61
	<i>For >500, Deduct</i>	-0.89
	<i>For Work In Restricted Working Space, Add</i>	0.74
26 05 29 00-0264	EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.91
	<i>For >50 To 100, Deduct</i>	-0.16
	<i>For >100 To 250, Deduct</i>	-0.32
	<i>For >250 To 500, Deduct</i>	-0.60
	<i>For >500, Deduct</i>	-0.89
	<i>For Work In Restricted Working Space, Add</i>	0.74
26 05 29 00-0265	EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.87
	<i>For >50 To 100, Deduct</i>	-0.16
	<i>For >100 To 250, Deduct</i>	-0.32
	<i>For >250 To 500, Deduct</i>	-0.60
	<i>For >500, Deduct</i>	-0.88
	<i>For Work In Restricted Working Space, Add</i>	0.74
26 05 29 00-0266	EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.08
	<i>For >50 To 100, Deduct</i>	-0.21
	<i>For >100 To 250, Deduct</i>	-0.42
	<i>For >250 To 500, Deduct</i>	-0.79
	<i>For >500, Deduct</i>	-1.17
	<i>For Work In Restricted Working Space, Add</i>	0.99
26 05 29 00-0267	EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.90
	<i>For >50 To 100, Deduct</i>	-0.23
	<i>For >100 To 250, Deduct</i>	-0.46
	<i>For >250 To 500, Deduct</i>	-0.86
	<i>For >500, Deduct</i>	-1.25
	<i>For Work In Restricted Working Space, Add</i>	0.99
26 05 29 00-0268	EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.95
	<i>For >50 To 100, Deduct</i>	-0.23
	<i>For >100 To 250, Deduct</i>	-0.46
	<i>For >250 To 500, Deduct</i>	-0.86
	<i>For >500, Deduct</i>	-1.26
	<i>For Work In Restricted Working Space, Add</i>	0.99

26 05 29 00-0269 "J" Type Conduit Hangers (26 05 29 00-0165)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205).....	18.03	
		For >50 To 100, Deduct	-0.60	
		For >100 To 250, Deduct	-1.19	
		For >250 To 500, Deduct	-2.07	
		For >500, Deduct	-2.96	
		For Work In Restricted Working Space, Add	1.73	
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207).....	18.25	
		For >50 To 100, Deduct	-0.60	
		For >100 To 250, Deduct	-1.20	
		For >250 To 500, Deduct	-2.09	
		For >500, Deduct	-2.98	
		For Work In Restricted Working Space, Add	1.73	
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210).....	19.27	
		For >50 To 100, Deduct	-0.65	
		For >100 To 250, Deduct	-1.29	
		For >250 To 500, Deduct	-2.27	
		For >500, Deduct	-3.25	
		For Work In Restricted Working Space, Add	1.98	
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	19.50	
		For >50 To 100, Deduct	-0.65	
		For >100 To 250, Deduct	-1.31	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-3.27	
		For Work In Restricted Working Space, Add	1.98	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	20.47	
		For >50 To 100, Deduct	-0.70	
		For >100 To 250, Deduct	-1.39	
		For >250 To 500, Deduct	-2.46	
		For >500, Deduct	-3.53	
		For Work In Restricted Working Space, Add	2.23	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220).....	21.34	
		For >50 To 100, Deduct	-0.72	
		For >100 To 250, Deduct	-1.44	
		For >250 To 500, Deduct	-2.53	
		For >500, Deduct	-3.62	
		For Work In Restricted Working Space, Add	2.23	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	34.61	
		For >50 To 100, Deduct	-1.07	
		For >100 To 250, Deduct	-2.14	
		For >250 To 500, Deduct	-3.63	
		For >500, Deduct	-5.11	
		For Work In Restricted Working Space, Add	2.48	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230).....	36.75	
		For >50 To 100, Deduct	-1.15	
		For >100 To 250, Deduct	-2.29	
		For >250 To 500, Deduct	-3.89	
		For >500, Deduct	-5.49	
		For Work In Restricted Working Space, Add	2.72	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	39.54	
		For >50 To 100, Deduct	-1.24	
		For >100 To 250, Deduct	-2.47	
		For >250 To 500, Deduct	-4.20	
		For >500, Deduct	-5.93	
		For Work In Restricted Working Space, Add	2.97	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	53.04	
		For >50 To 100, Deduct	-1.57	
		For >100 To 250, Deduct	-3.15	
		For >250 To 500, Deduct	-5.22	
		For >500, Deduct	-7.28	
		For Work In Restricted Working Space, Add	2.97	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	58.29	
		For >50 To 100, Deduct	-1.73	
		For >100 To 250, Deduct	-3.45	
		For >250 To 500, Deduct	-5.71	
		For >500, Deduct	-7.97	
		For Work In Restricted Working Space, Add	3.22	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	82.56	
		For >50 To 100, Deduct	-2.37	
		For >100 To 250, Deduct	-4.75	
		For >250 To 500, Deduct	-7.74	
		For >500, Deduct	-10.73	
		For Work In Restricted Working Space, Add	3.71	

26 05 29 00-0282		Between Studs Box Brackets <small>(26 05 29 00-0165)</small>	6.45	
	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	6.45	
		For >50 To 100, Deduct	-0.22	
		For >100 To 250, Deduct	-0.45	
		For >250 To 500, Deduct	-0.79	
		For >500, Deduct	-1.14	
		For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	7.83	
		For >50 To 100, Deduct	-0.26	
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-0.90	
		For >500, Deduct	-1.28	
		For Work In Restricted Working Space, Add	0.74	

26 05 29 00-0285 Hangers And Brackets (26 05 29 00-0165)

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.17	
		<i>For >50 To 100, Deduct</i>	-0.10	
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.37	
		<i>For >500, Deduct</i>	-0.55	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.09	
		<i>For >50 To 100, Deduct</i>	-0.09	
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.36	
		<i>For >500, Deduct</i>	-0.54	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.09	
		<i>For >50 To 100, Deduct</i>	-0.09	
		<i>For >100 To 250, Deduct</i>	-0.19	
		<i>For >250 To 500, Deduct</i>	-0.36	
		<i>For >500, Deduct</i>	-0.54	
26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.92	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.93	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.84	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.22	
		<i>For >250 To 500, Deduct</i>	-0.42	
		<i>For >500, Deduct</i>	-0.61	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.92	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.93	
		<i>For >50 To 100, Deduct</i>	-0.11	
		<i>For >100 To 250, Deduct</i>	-0.23	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500, Deduct</i>	-0.62	
26 05 29 00-0294		Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.49	
		<i>For >50 To 100, Deduct</i>	-0.06	
		<i>For >100 To 250, Deduct</i>	-0.13	
		<i>For >250 To 500, Deduct</i>	-0.24	
		<i>For >500, Deduct</i>	-0.36	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.52	
		<i>For >50 To 100, Deduct</i>	-0.06	
		<i>For >100 To 250, Deduct</i>	-0.13	
		<i>For >250 To 500, Deduct</i>	-0.24	
		<i>For >500, Deduct</i>	-0.36	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.64	
		<i>For >50 To 100, Deduct</i>	-0.07	
		<i>For >100 To 250, Deduct</i>	-0.13	
		<i>For >250 To 500, Deduct</i>	-0.25	
		<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.90	
		<i>For >50 To 100, Deduct</i>	-0.07	
		<i>For >100 To 250, Deduct</i>	-0.15	
		<i>For >250 To 500, Deduct</i>	-0.27	
		<i>For >500, Deduct</i>	-0.40	
26 05 29 00-0299		Wire Ties <small>(26 05 29 00-0165)</small>		
		Note: Per hundred (C).		
26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties	21.17	
		<i>For Up To 0.1, Add</i>	17.23	
		<i>For >0.1 To 0.25, Add</i>	8.62	
		<i>For >0.25 To 0.75, Add</i>	4.31	
		<i>For >2.0, Deduct</i>	-1.72	
		<i>For UV Black, Add</i>	0.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties	21.33	
		<i>For Up To 0.1, Add</i>	17.23	
		<i>For >0.1 To 0.25, Add</i>	8.62	
		<i>For >0.25 To 0.75, Add</i>	4.31	
		<i>For >2.0, Deduct</i>	-1.72	
		<i>For UV Black, Add</i>	0.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	21.43	
		<i>For Up To 0.1, Add</i>	17.23	
		<i>For >0.1 To 0.25, Add</i>	8.62	
		<i>For >0.25 To 0.75, Add</i>	4.31	
		<i>For >2.0, Deduct</i>	-1.72	
		<i>For UV Black, Add</i>	0.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	21.48	
			For Up To 0.1, Add	17.23	
			For >0.1 To 0.25, Add	8.62	
			For >0.25 To 0.75, Add	4.31	
			For >2.0, Deduct	-1.72	
			For UV Black, Add	0.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	22.27	
			For Up To 0.1, Add	17.98	
			For >0.1 To 0.25, Add	8.99	
			For >0.25 To 0.75, Add	4.50	
			For >2.0, Deduct	-1.80	
			For UV Black, Add	0.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	26.42	
			For Up To 0.1, Add	18.80	
			For >0.1 To 0.25, Add	9.40	
			For >0.25 To 0.75, Add	4.70	
			For >2.0, Deduct	-1.88	
			For UV Black, Add	1.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	25.40	
			For Up To 0.1, Add	17.23	
			For >0.1 To 0.25, Add	8.62	
			For >0.25 To 0.75, Add	4.31	
			For >2.0, Deduct	-1.72	
			For UV Black, Add	1.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.17	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	26.22	
			For Up To 0.1, Add	17.98	
			For >0.1 To 0.25, Add	8.99	
			For >0.25 To 0.75, Add	4.50	
			For >2.0, Deduct	-1.80	
			For UV Black, Add	1.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	27.08	
			For Up To 0.1, Add	18.80	
			For >0.1 To 0.25, Add	9.40	
			For >0.25 To 0.75, Add	4.70	
			For >2.0, Deduct	-1.88	
			For UV Black, Add	1.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	39.37	
			For Up To 0.1, Add	20.27	
			For >0.1 To 0.25, Add	10.14	
			For >0.25 To 0.75, Add	5.07	
			For >2.0, Deduct	-2.03	
			For UV Black, Add	2.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	41.10	
			For Up To 0.1, Add	20.27	
			For >0.1 To 0.25, Add	10.14	
			For >0.25 To 0.75, Add	5.07	
			For >2.0, Deduct	-2.03	
			For UV Black, Add	3.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	28.29	
			For Up To 0.1, Add	18.80	
			For >0.1 To 0.25, Add	9.40	
			For >0.25 To 0.75, Add	4.70	
			For >2.0, Deduct	-1.88	
			For UV Black, Add	1.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	26.76	
			For Up To 0.1, Add	18.80	
			For >0.1 To 0.25, Add	9.40	
			For >0.25 To 0.75, Add	4.70	
			For >2.0, Deduct	-1.88	
			For UV Black, Add	1.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	39.84	
			For Up To 0.1, Add	20.27	
			For >0.1 To 0.25, Add	10.14	
			For >0.25 To 0.75, Add	5.07	
			For >2.0, Deduct	-2.03	
			For UV Black, Add	2.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	45.61	
			For Up To 0.1, Add	21.54	
			For >0.1 To 0.25, Add	10.77	
			For >0.25 To 0.75, Add	5.39	
			For >2.0, Deduct	-2.15	
			For UV Black, Add	3.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.46	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	44.62	
			For Up To 0.1, Add	18.80	
			For >0.1 To 0.25, Add	9.40	
			For >0.25 To 0.75, Add	4.70	
			For >2.0, Deduct	-1.88	
			For UV Black, Add	3.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	48.86	
		For Up To 0.1, Add	20.27	
		For >0.1 To 0.25, Add	10.14	
		For >0.25 To 0.75, Add	5.07	
		For >2.0, Deduct	-2.03	
		For UV Black, Add	4.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.08	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	59.14	
		For Up To 0.1, Add	21.54	
		For >0.1 To 0.25, Add	10.77	
		For >0.25 To 0.75, Add	5.39	
		For >2.0, Deduct	-2.15	
		For UV Black, Add	5.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.46	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	84.58	
		For Up To 0.1, Add	22.97	
		For >0.1 To 0.25, Add	11.49	
		For >0.25 To 0.75, Add	5.74	
		For >2.0, Deduct	-2.30	
		For UV Black, Add	9.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	81.95	
		For Up To 0.1, Add	22.97	
		For >0.1 To 0.25, Add	11.49	
		For >0.25 To 0.75, Add	5.74	
		For >2.0, Deduct	-2.30	
		For UV Black, Add	8.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	99.84	
		For Up To 0.1, Add	24.05	
		For >0.1 To 0.25, Add	12.03	
		For >0.25 To 0.75, Add	6.01	
		For >2.0, Deduct	-2.41	
		For UV Black, Add	11.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.22	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	115.55	
		For Up To 0.1, Add	25.21	
		For >0.1 To 0.25, Add	12.61	
		For >0.25 To 0.75, Add	6.30	
		For >2.0, Deduct	-2.52	
		For UV Black, Add	13.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.56	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	158.46	
		For Up To 0.1, Add	27.20	
		For >0.1 To 0.25, Add	13.60	
		For >0.25 To 0.75, Add	6.80	
		For >2.0, Deduct	-2.72	
		For UV Black, Add	19.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.16	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts	27.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.76	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw	55.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.51	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	2.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	73.71	
		Note: Cut to length.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit (26 05 29)

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts (26 05 29 00-0330)

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	6.56	
		For >50 To 100, Deduct	-0.62	
		For >100 To 250, Deduct	-1.23	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-3.06	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	6.74	
		For >50 To 100, Deduct	-0.63	
		For >100 To 250, Deduct	-1.26	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-3.14	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.19	
		For >50 To 100, Deduct	-0.65	
		For >100 To 250, Deduct	-1.31	
		For >250 To 500, Deduct	-2.28	
		For >500, Deduct	-3.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0335	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.37	
			<i>For >50 To 100, Deduct</i>	-0.67	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 500, Deduct</i>	-2.33	
			<i>For >500, Deduct</i>	-3.33	
26 05 29 00-0336	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.54	
			<i>For >50 To 100, Deduct</i>	-0.69	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-2.39	
			<i>For >500, Deduct</i>	-3.40	
26 05 29 00-0337	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.85	
			<i>For >50 To 100, Deduct</i>	-0.73	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.60	
26 05 29 00-0338	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.26	
			<i>For >50 To 100, Deduct</i>	-0.75	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-2.60	
			<i>For >500, Deduct</i>	-3.70	
26 05 29 00-0339			Machine Screws <small>(26 05 29 00-0330)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.92	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.92	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.96	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.47	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.62	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.18	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.26	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-1.00	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.43	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.38	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500, Deduct</i>	-1.26	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.99	
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	6.50	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.93	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.51	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-0.98	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.57	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.40	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-0.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.09
		<i>For >50 To 100, Deduct</i>	-0.23
		<i>For >100 To 250, Deduct</i>	-0.46
		<i>For >250 To 500, Deduct</i>	-0.79
		<i>For >500, Deduct</i>	-1.13
26 05 29 00-0354		Hollow Wall Screw Anchors (26 05 29 00-0330)	
26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.46
		<i>For >50 To 100, Deduct</i>	-0.12
		<i>For >100 To 250, Deduct</i>	-0.24
		<i>For >250 To 500, Deduct</i>	-0.41
		<i>For >500, Deduct</i>	-0.58
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.52
		<i>For >50 To 100, Deduct</i>	-0.12
		<i>For >100 To 250, Deduct</i>	-0.24
		<i>For >250 To 500, Deduct</i>	-0.41
		<i>For >500, Deduct</i>	-0.59
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.62
		<i>For >50 To 100, Deduct</i>	-0.12
		<i>For >100 To 250, Deduct</i>	-0.24
		<i>For >250 To 500, Deduct</i>	-0.42
		<i>For >500, Deduct</i>	-0.60
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.10
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.30
		<i>For >250 To 500, Deduct</i>	-0.51
		<i>For >500, Deduct</i>	-0.72
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.23
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.30
		<i>For >250 To 500, Deduct</i>	-0.52
		<i>For >500, Deduct</i>	-0.73
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.27
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.30
		<i>For >250 To 500, Deduct</i>	-0.52
		<i>For >500, Deduct</i>	-0.74
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.29
		<i>For >50 To 100, Deduct</i>	-0.15
		<i>For >100 To 250, Deduct</i>	-0.31
		<i>For >250 To 500, Deduct</i>	-0.52
		<i>For >500, Deduct</i>	-0.74
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.48
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 250, Deduct</i>	-0.31
		<i>For >250 To 500, Deduct</i>	-0.54
		<i>For >500, Deduct</i>	-0.76
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.55
		<i>For >50 To 100, Deduct</i>	-0.16
		<i>For >100 To 250, Deduct</i>	-0.32
		<i>For >250 To 500, Deduct</i>	-0.54
		<i>For >500, Deduct</i>	-0.76
26 05 29 00-0364		Lead Screw Anchors (26 05 29 00-0330)	
		Note: Includes screw.	
26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	3.30
		<i>For >50 To 100, Deduct</i>	-0.29
		<i>For >100 To 250, Deduct</i>	-0.59
		<i>For >250 To 500, Deduct</i>	-1.02
		<i>For >500, Deduct</i>	-1.45
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.97
		<i>For >50 To 100, Deduct</i>	-0.34
		<i>For >100 To 250, Deduct</i>	-0.69
		<i>For >250 To 500, Deduct</i>	-1.19
		<i>For >500, Deduct</i>	-1.70
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	5.48
		<i>For >50 To 100, Deduct</i>	-0.45
		<i>For >100 To 250, Deduct</i>	-0.89
		<i>For >250 To 500, Deduct</i>	-1.55
		<i>For >500, Deduct</i>	-2.20
26 05 29 00-0368		Acoustical T-Bar Clips (26 05 29 00-0330)	
		Note: For conduit installation above suspended ceilings up to 15' height.	
26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip.....	5.32
		<i>For >50 To 100, Deduct</i>	-0.40
		<i>For >100 To 250, Deduct</i>	-0.79
		<i>For >250 To 500, Deduct</i>	-1.36
		<i>For >500, Deduct</i>	-1.94
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip.....	5.57
		<i>For >50 To 100, Deduct</i>	-0.42
		<i>For >100 To 250, Deduct</i>	-0.83
		<i>For >250 To 500, Deduct</i>	-1.43
		<i>For >500, Deduct</i>	-2.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip	6.08	
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-2.16	
26 05 29 00-0372 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373 Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374 Carbon Steel Threaded Rod (26 05 29 00-0373)		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.06	0.52
For Galvanized, Add	0.81	
For Zinc Coated, Add	0.58	
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.32	0.55
For Galvanized, Add	1.29	
For Zinc Coated, Add	0.92	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.13	0.57
For Galvanized, Add	2.00	
For Zinc Coated, Add	1.42	
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.24	0.58
For Galvanized, Add	3.62	
For Zinc Coated, Add	2.58	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.18	0.60
For Galvanized, Add	3.98	
For Zinc Coated, Add	2.84	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.36	0.68
For Galvanized, Add	5.59	
For Zinc Coated, Add	3.98	
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.17	0.76
For Galvanized, Add	7.06	
For Zinc Coated, Add	5.03	
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut	7.09	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut	8.10	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut	10.39	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut	13.00	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut	20.08	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut	23.85	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	48.45	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.61	0.21
For Galvanized, Add	0.04	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.81	0.21
For Galvanized, Add	0.08	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.12	0.21
For Galvanized, Add	0.15	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.40	0.41
For Galvanized, Add	0.21	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.59	0.41
For Galvanized, Add	0.25	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.90	0.41
For Galvanized, Add	0.30	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.13	0.41
For Galvanized, Add	0.34	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket	8.95	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket	10.78	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket	19.25	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket	27.70	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket	29.45	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.21
For Galvanized, Add	0.03	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.77	0.21
For Galvanized, Add	0.07	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.21
For Galvanized, Add	0.15	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.35	0.41
For Galvanized, Add	0.20	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.07	0.41
For Galvanized, Add	0.37	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.68	0.41
For Galvanized, Add	0.50	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.52	0.41
For Galvanized, Add	0.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0412					Forged Steel Turnbuckles (26 05 29 00-0373)		
					Note: Type 13.		
	26 05 29 00-0413	EA			3/8" Thread Diameter, Forged Steel Turnbuckle Body	21.60	
	26 05 29 00-0414	EA			1/2" Thread Diameter, Forged Steel Turnbuckle Body	26.89	
	26 05 29 00-0415	EA			5/8" Thread Diameter, Forged Steel Turnbuckle Body	36.42	
	26 05 29 00-0416	EA			3/4" Thread Diameter, Forged Steel Turnbuckle Body	45.27	
	26 05 29 00-0417	EA			7/8" Thread Diameter, Forged Steel Turnbuckle Body	114.58	
	26 05 29 00-0418	EA			1" Thread Diameter, Forged Steel Turnbuckle Body	74.74	
	26 05 29 00-0419	EA			1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	152.88	
26 05 29 00-0420					Attachments (26 05 29 00-0372)		
26 05 29 00-0421					Welded Beam Attachments (26 05 29 00-0420)		
					Note: Type 22.		
	26 05 29 00-0422	EA			3/8" Rod Size, Welded Beam Attachment	39.37	8.25
	26 05 29 00-0423	EA			1/2" Rod Size, Welded Beam Attachment	42.03	8.66
	26 05 29 00-0424	EA			5/8" Rod Size, Welded Beam Attachment	44.77	9.16
	26 05 29 00-0425	EA			3/4" Rod Size, Welded Beam Attachment	57.70	9.73
	26 05 29 00-0426	EA			7/8" Rod Size, Welded Beam Attachment	69.63	10.31
	26 05 29 00-0427	EA			1" Rod Size, Welded Beam Attachment	98.39	11.80
	26 05 29 00-0428	EA			1-1/8" Rod Size, Welded Beam Attachment	140.57	12.38
26 05 29 00-0429					C-Clamp Style Beam Clamps (26 05 29 00-0420)		
					Note: Type 23. Top or bottom flange mount.		
	26 05 29 00-0430	EA			3/8" Rod Size, C-Clamp Style Beam Clamp	13.14	6.21
	26 05 29 00-0431	EA			1/2" Rod Size, C-Clamp Style Beam Clamp	15.86	6.62
	26 05 29 00-0432	EA			5/8" Rod Size, C-Clamp Style Beam Clamp	18.12	7.09
	26 05 29 00-0433	EA			3/4" Rod Size, C-Clamp Style Beam Clamp	23.64	7.63
	26 05 29 00-0434	EA			7/8" Rod Size, C-Clamp Style Beam Clamp	35.01	8.27
26 05 29 00-0435					Bottom Mount I-Beam Clamps (26 05 29 00-0420)		
					Note: Type 21. For attaching threaded rod centered under beam flanges.		
	26 05 29 00-0436	EA			3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	38.34	8.27
	26 05 29 00-0437	EA			1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	57.11	9.02
	26 05 29 00-0438	EA			5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	82.33	9.93
	26 05 29 00-0439	EA			3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	98.74	11.02
	26 05 29 00-0440	EA			1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	242.59	12.41
26 05 29 00-0441					Steel U-Bolts (26 05 29 00-0420)		
					Note: Type 24. Includes plate and nuts.		
	26 05 29 00-0442	EA			1/2" Pipe Size, Zinc Plated Steel, U-Bolt	10.73	4.96
	26 05 29 00-0443	EA			3/4" Pipe Size, Zinc Plated Steel, U-Bolt	11.69	5.22
	26 05 29 00-0444	EA			1" Pipe Size, Zinc Plated Steel, U-Bolt	12.60	5.51
	26 05 29 00-0445	EA			1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	14.42	5.83
	26 05 29 00-0446	EA			1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.86	6.21
	26 05 29 00-0447	EA			2" Pipe Size, Zinc Plated Steel, U-Bolt	15.90	6.62
	26 05 29 00-0448	EA			2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.51	7.09
	26 05 29 00-0449	EA			3" Pipe Size, Zinc Plated Steel, U-Bolt	25.96	7.63
	26 05 29 00-0450	EA			4" Pipe Size, Zinc Plated Steel, U-Bolt	31.60	8.27
26 05 29 00-0451					Stainless Steel Threaded Rod (26 05 29 00-0372)		
	26 05 29 00-0452	LF			1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.91	0.41
					For 316 Stainless Steel, Add	0.85	
	26 05 29 00-0453	LF			5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.49	0.45
					For 316 Stainless Steel, Add	1.45	
	26 05 29 00-0454	LF			3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.82	0.52
					For 316 Stainless Steel, Add	1.94	
	26 05 29 00-0455	LF			7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.18	0.53
					For 316 Stainless Steel, Add	2.88	
	26 05 29 00-0456	LF			1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.86	0.55
					For 316 Stainless Steel, Add	3.55	
	26 05 29 00-0457	LF			5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	14.91	0.56
					For 316 Stainless Steel, Add	5.58	
	26 05 29 00-0458	LF			3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.00	0.57
					For 316 Stainless Steel, Add	8.04	
	26 05 29 00-0459	LF			7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.00	0.58
					For 316 Stainless Steel, Add	11.27	
	26 05 29 00-0460	LF			1" Diameter, 304/18-8 Stainless Steel Threaded Rod	37.30	0.68
					For 316 Stainless Steel, Add	14.55	
	26 05 29 00-0461	LF			1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	79.28	0.82
					For 316 Stainless Steel, Add	31.41	
26 05 29 00-0462					Polyvinyl Chloride (PVC) Coated Supports (26 05 29)		
					Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463					Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		
26 05 29 00-0464					Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
	26 05 29 00-0465	EA			1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.82	16.50

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	46.55	17.99
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	49.75	19.80
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	59.44	22.03
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	68.57	24.75
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	81.69	27.23
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	89.33	29.70
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	98.30	32.17
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	103.91	34.65
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	112.26	37.13

26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)				
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	45.78	16.50
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	48.55	17.99
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	55.75	19.80
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	61.57	22.03
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	69.39	24.75
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	80.28	27.23
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	92.00	29.70
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	101.84	32.17
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	108.36	34.65
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	112.86	37.13

26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)				
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	43.35	16.33
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	46.65	17.82
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	52.76	19.80
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	61.70	21.78
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	79.88	24.75
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	87.60	27.23

26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)				
26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)				
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	5.03	0.49
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	5.46	0.49
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	7.99	0.49
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.70	0.49
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.74	0.49
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.10	0.49
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	25.42	0.49
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	34.03	0.49
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	60.17	0.49
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	63.94	0.49

26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)				
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.93	0.99
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.97	0.99
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	10.23	0.99
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.83	0.99
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	13.19	0.99
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.11	0.99
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	16.97	0.99
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.74	0.99
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	18.94	0.99
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	20.53	0.99

26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)				
26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)				
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	9.02	0.99
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	10.47	0.99
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	13.13	0.99
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	15.34	0.99
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	20.49	0.99
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	43.85	0.99
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	50.11	0.99
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	68.38	0.99
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	119.59	0.99
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	119.59	0.99

26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)				
26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)				
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	6.22	0.66
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	7.64	0.74

26 05 29 00-0532 Attachments (26 05 29 00-0462)				
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26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 29 00-0533		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)			
26 05 29 00-0534	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.65		4.96
26 05 29 00-0535	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.09		5.21
26 05 29 00-0536	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.79		5.54
26 05 29 00-0537	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.66		5.87
26 05 29 00-0538	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.62		6.21
26 05 29 00-0539	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.49		6.62
26 05 29 00-0540	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	24.90		7.11
26 05 29 00-0541	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.14		7.61
26 05 29 00-0542	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.89		8.27
26 05 29 00-0543	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	44.88		9.42
26 05 29 00-0544	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	55.51		10.92
26 05 29 00-0545		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)			
26 05 29 00-0546	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	43.79		16.33
26 05 29 00-0547	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	50.84		16.33
26 05 29 00-0548	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	53.74		16.33
26 05 29 00-0549	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	59.18		17.33
26 05 29 00-0550	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	69.23		19.80
26 05 29 00-0551		Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)			
		Note: Includes stainless steel nuts and bolts.			
26 05 29 00-0552	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	17.54		5.45
26 05 29 00-0553	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	18.38		5.94
26 05 29 00-0554	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.03		6.43
26 05 29 00-0555	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.50		7.42
26 05 29 00-0556	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	25.77		8.42
26 05 29 00-0557	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.78		8.91
26 05 29 00-0558	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.79		9.90
26 05 29 00-0559	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.06		10.90
26 05 29 00-0560	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	41.76		11.39
26 05 29 00-0561	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	43.77		12.38
26 05 29 00-0562	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	46.59		13.86
26 05 29 00-0563		Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)			
26 05 29 00-0564	LF	A12, Polyvinyl Chloride (PVC) Coated Channel.....	19.07		2.48
26 05 29 00-0565	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel.....	34.03		3.46
26 05 29 00-0566	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel.....	20.40		2.48
26 05 29 00-0567	LF	C14, Polyvinyl Chloride (PVC) Coated Channel.....	14.95		2.48
26 05 29 00-0568	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel.....	15.78		2.48
26 05 29 00-0569		Polymer Concrete Pads (26 05 29)			
		Note: Excludes excavation and backfill.			
26 05 29 00-0570		Polymer Concrete, Box Pads (26 05 29 00-0569)			
26 05 29 00-0571	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	976.00		101.44
26 05 29 00-0572	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,007.95		101.44
26 05 29 00-0573	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,301.51		101.44
26 05 29 00-0574	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,350.18		101.44
26 05 29 00-0575	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,256.20		101.44
26 05 29 00-0576	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,486.06		101.44
26 05 29 00-0577	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,662.31		101.44
26 05 29 00-0578	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,597.77		126.80
26 05 29 00-0579	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	2,421.28		126.80
26 05 29 00-0580	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	3,248.86		126.80
26 05 29 00-0581		Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0569)			
26 05 29 00-0582	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	468.18		53.38
26 05 29 00-0583	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	555.45		53.38
26 05 29 00-0584	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	724.27		76.08
26 05 29 00-0585	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	756.70		76.08
26 05 29 00-0586	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,086.88		76.08
26 05 29 00-0587	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,132.77		76.08
26 05 29 00-0588	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,218.28		76.08
26 05 29 00-0589	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,218.28		76.08
26 05 29 00-0590	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,292.51		76.08
26 05 29 00-0591	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,599.02		76.08
26 05 29 00-0592		Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0569)			
26 05 29 00-0593	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	283.35		53.38
26 05 29 00-0594	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	305.78		53.38
26 05 29 00-0595	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	326.22		53.38
26 05 29 00-0596	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	394.11		53.38
26 05 29 00-0597	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	363.81		53.38
26 05 29 00-0598	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	378.09		53.38
26 05 29 00-0599	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	415.09		53.38
26 05 29 00-0600	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	436.68		53.38
26 05 29 00-0601	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	508.78		53.38

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	627.53	53.38
26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	927.81	76.08
26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	971.22	76.08
26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	984.91	76.08
26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,076.16	76.08
26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,296.63	76.08
26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,705.42	76.08

26 05 33 Raceway and Boxes for Electrical Systems (26 05)

26 05 33 13 Conduit for Electrical Systems (26 05 33)

26 05 33 13-0001 Conduit Assemblies (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	664.58	184.07
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	730.82	199.88
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	797.05	215.70
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	184.91	
		<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	4.21	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	708.32	191.98
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	792.67	210.43
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.73	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	810.91	207.79
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	178.13	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	5.50	
26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	745.97	198.45
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	2.10	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	812.20	214.27
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	3.16	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	878.43	230.08
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	944.66	245.90
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	5.26	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	789.70	206.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	3.15	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	874.04	224.81
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	4.73	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	958.38	243.26
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	6.31	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,042.71	261.72
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	7.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,015.10 210.76 8.25	245.90
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,137.91 231.09 11.01	269.62
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,032.80 203.98 9.10	237.99
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,206.62 228.83 13.65	266.99
26 05 33 13-0021	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	865.02 2.10	213.59
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	931.25 3.16	229.41
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	997.49 5.26	245.22
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,063.72 3.15	261.03
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	908.75 4.73	221.50
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	993.09 6.31	239.95
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,077.42 7.89	258.39
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,134.16 223.77 8.25	261.03
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,325.67 241.85 13.65	282.12
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,499.50 266.70 18.20	311.12
26 05 33 13-0032		Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	909.26 2.10	209.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0034	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	975.48 3.16	225.34
26 05 33 13-0035	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	952.99 3.15	217.43
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,037.33 4.73	235.88
26 05 33 13-0037	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,055.57 199.91 5.50	233.24
26 05 33 13-0038	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,006.99 2.10	223.45
26 05 33 13-0039	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,073.22 3.16	239.27
26 05 33 13-0040	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,139.46	255.08
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,050.73 3.15	231.36
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,135.06 4.73	249.81
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,219.40 6.31	268.26
26 05 33 13-0044	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,276.12 232.18 8.25	270.90
26 05 33 13-0045	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,398.93 252.51 11.01	294.63
26 05 33 13-0046	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,293.83 225.40 9.10	262.99
26 05 33 13-0047	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,467.64 250.25 13.65	291.99
26 05 33 13-0048	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,319.23 3.16	266.84
26 05 33 13-0049	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,385.46	282.66
26 05 33 13-0050	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,451.69 5.26	298.46
26 05 33 13-0051	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,381.06 4.73	277.38
26 05 33 13-0052	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,465.40 6.31	295.83
26 05 33 13-0053	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,549.73 7.89	314.28
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,522.12 255.83 8.25	298.46

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0055	CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,713.65 273.91 13.65	319.55
26 05 33 13-0056	CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,887.48 298.76 18.20	348.55
26 05 33 13-0057	Conduit ^(26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058	Conduit Installed Above Grade ^(26 05 33 13-0057)		
26 05 33 13-0059	Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit ^(26 05 33 13-0058) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ^(26 05 33 13-0059) Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	6.54 -0.12 -0.39 -0.55 0.42 1.04 0.62 1.25 0.42 0.83 1.04 1.45 1.66 2.08 2.28	1.66
26 05 33 13-0062	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	7.46 -0.15 -0.45 -0.63 0.45 1.13 0.68 1.36 0.45 0.90 1.13 1.58 1.81 2.26 2.49	1.81
26 05 33 13-0063	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	9.82 -0.23 -0.60 -0.85 0.53 1.32 0.79 1.58 0.53 1.05 1.32 1.84 2.11 2.64 2.90	2.11
26 05 33 13-0064	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	12.09 -0.30 -0.76 -1.06 0.60 1.51 0.90 1.81 0.60 1.20 1.51 2.11 2.41 3.01 3.31	2.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.22	2.71
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.25	
For Installation In Metal Stud Wall, Add	0.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
For Work In Restricted Working Space, Add	2.03	
For Elevated Installation >10' To 15', Add	0.68	
For Elevated Installation >15' To 20', Add	1.36	
For Elevated Installation >20' To 25', Add	1.70	
For Elevated Installation >25' To 30', Add	2.37	
For Elevated Installation >30' To 35', Add	2.71	
For Elevated Installation >35' To 40', Add	3.39	
For Elevated Installation >40', Add	3.73	
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	18.22	3.31
For >250 To 500, Deduct	-0.50	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.62	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.66	
For Elevated Installation >20' To 25', Add	2.07	
For Elevated Installation >25' To 30', Add	2.90	
For Elevated Installation >30' To 35', Add	3.31	
For Elevated Installation >35' To 40', Add	4.14	
For Elevated Installation >40', Add	4.55	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	27.77	4.52
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.80	
For >1,000, Deduct	-2.49	
For Installation In Metal Stud Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.39	
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.26	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.95	
For Elevated Installation >30' To 35', Add	4.52	
For Elevated Installation >35' To 40', Add	5.65	
For Elevated Installation >40', Add	6.21	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	36.04	6.02
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.23	
For Installation In Metal Stud Wall, Add	1.51	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.77	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.26	
For Work In Restricted Working Space, Add	4.52	
For Elevated Installation >10' To 15', Add	1.51	
For Elevated Installation >15' To 20', Add	3.01	
For Elevated Installation >20' To 25', Add	3.77	
For Elevated Installation >25' To 30', Add	5.27	
For Elevated Installation >30' To 35', Add	6.03	
For Elevated Installation >35' To 40', Add	7.54	
For Elevated Installation >40', Add	8.29	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	44.42	7.53
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-3.97	
For Installation In Metal Stud Wall, Add	1.88	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.71	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.82	
For Work In Restricted Working Space, Add	5.65	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.77	
For Elevated Installation >20' To 25', Add	4.71	
For Elevated Installation >25' To 30', Add	6.59	
For Elevated Installation >30' To 35', Add	7.53	
For Elevated Installation >35' To 40', Add	9.42	
For Elevated Installation >40', Add	10.36	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	52.36	9.03
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-3.36	
For >1,000, Deduct	-4.67	
For Installation In Metal Stud Wall, Add	2.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.65	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.39	
For Work In Restricted Working Space, Add	6.78	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.52	
For Elevated Installation >20' To 25', Add	5.65	
For Elevated Installation >25' To 30', Add	7.91	
For Elevated Installation >30' To 35', Add	9.04	
For Elevated Installation >35' To 40', Add	11.30	
For Elevated Installation >40', Add	12.42	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0071	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	88.97	11.44
		For >250 To 500, Deduct	-3.02	
		For >500 To 1,000, Deduct	-5.96	
		For >1,000, Deduct	-8.18	
		For Installation In Metal Stud Wall, Add	2.86	
		For Installation In Wood Stud Wall (Includes Drilling), Add	7.16	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.29	
		For Work In Restricted Working Space, Add	8.59	
		For Elevated Installation >10' To 15', Add	2.86	
		For Elevated Installation >15' To 20', Add	5.72	
		For Elevated Installation >20' To 25', Add	7.16	
		For Elevated Installation >25' To 30', Add	10.02	
		For Elevated Installation >30' To 35', Add	11.45	
		For Elevated Installation >35' To 40', Add	14.31	
		For Elevated Installation >40', Add	15.74	
26 05 33 13-0072	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	120.99	14.46
		For >250 To 500, Deduct	-4.24	
		For >500 To 1,000, Deduct	-8.17	
		For >1,000, Deduct	-11.20	
		For Installation In Metal Stud Wall, Add	3.62	
		For Installation In Wood Stud Wall (Includes Drilling), Add	9.04	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.42	
		For Work In Restricted Working Space, Add	10.85	
		For Elevated Installation >10' To 15', Add	3.62	
		For Elevated Installation >15' To 20', Add	7.23	
		For Elevated Installation >20' To 25', Add	9.04	
		For Elevated Installation >25' To 30', Add	12.66	
		For Elevated Installation >30' To 35', Add	14.46	
		For Elevated Installation >35' To 40', Add	18.08	
		For Elevated Installation >40', Add	19.89	
26 05 33 13-0073		Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0074	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	22.03	7.46
		For Work In Restricted Working Space, Add	5.61	
		For Elevated Installation >10' To 15', Add	1.87	
		For Elevated Installation >15' To 20', Add	3.74	
		For Elevated Installation >20' To 25', Add	4.68	
		For Elevated Installation >25' To 30', Add	6.55	
		For Elevated Installation >30' To 35', Add	7.48	
		For Elevated Installation >35' To 40', Add	9.35	
		For Elevated Installation >40', Add	10.29	
26 05 33 13-0075	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	27.64	9.26
		For Work In Restricted Working Space, Add	6.98	
		For Elevated Installation >10' To 15', Add	2.33	
		For Elevated Installation >15' To 20', Add	4.65	
		For Elevated Installation >20' To 25', Add	5.81	
		For Elevated Installation >25' To 30', Add	8.14	
		For Elevated Installation >30' To 35', Add	9.30	
		For Elevated Installation >35' To 40', Add	11.63	
		For Elevated Installation >40', Add	12.79	
26 05 33 13-0076	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	35.12	11.37
		For Work In Restricted Working Space, Add	8.51	
		For Elevated Installation >10' To 15', Add	2.84	
		For Elevated Installation >15' To 20', Add	5.67	
		For Elevated Installation >20' To 25', Add	7.09	
		For Elevated Installation >25' To 30', Add	9.93	
		For Elevated Installation >30' To 35', Add	11.34	
		For Elevated Installation >35' To 40', Add	14.18	
		For Elevated Installation >40', Add	15.60	
26 05 33 13-0077	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	44.48	13.18
		For Work In Restricted Working Space, Add	9.88	
		For Elevated Installation >10' To 15', Add	3.29	
		For Elevated Installation >15' To 20', Add	6.58	
		For Elevated Installation >20' To 25', Add	8.23	
		For Elevated Installation >25' To 30', Add	11.52	
		For Elevated Installation >30' To 35', Add	13.17	
		For Elevated Installation >35' To 40', Add	16.46	
		For Elevated Installation >40', Add	18.11	
26 05 33 13-0078	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	51.58	15.14
		For Work In Restricted Working Space, Add	11.34	
		For Elevated Installation >10' To 15', Add	3.78	
		For Elevated Installation >15' To 20', Add	7.56	
		For Elevated Installation >20' To 25', Add	9.45	
		For Elevated Installation >25' To 30', Add	13.23	
		For Elevated Installation >30' To 35', Add	15.12	
		For Elevated Installation >35' To 40', Add	18.90	
		For Elevated Installation >40', Add	20.78	
26 05 33 13-0079	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	60.52	16.64
		For Work In Restricted Working Space, Add	12.47	
		For Elevated Installation >10' To 15', Add	4.16	
		For Elevated Installation >15' To 20', Add	8.31	
		For Elevated Installation >20' To 25', Add	10.39	
		For Elevated Installation >25' To 30', Add	14.55	
		For Elevated Installation >30' To 35', Add	16.63	
		For Elevated Installation >35' To 40', Add	20.79	
		For Elevated Installation >40', Add	22.86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	85.73	20.79
For Work In Restricted Working Space, Add	15.59	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.39	
For Elevated Installation >20' To 25', Add	12.99	
For Elevated Installation >25' To 30', Add	18.19	
For Elevated Installation >30' To 35', Add	20.78	
For Elevated Installation >35' To 40', Add	25.98	
For Elevated Installation >40', Add	28.58	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	121.06	28.32
For Work In Restricted Working Space, Add	21.23	
For Elevated Installation >10' To 15', Add	7.08	
For Elevated Installation >15' To 20', Add	14.16	
For Elevated Installation >20' To 25', Add	17.70	
For Elevated Installation >25' To 30', Add	24.77	
For Elevated Installation >30' To 35', Add	28.31	
For Elevated Installation >35' To 40', Add	35.39	
For Elevated Installation >40', Add	38.93	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	158.44	31.93
For Work In Restricted Working Space, Add	23.95	
For Elevated Installation >10' To 15', Add	7.98	
For Elevated Installation >15' To 20', Add	15.97	
For Elevated Installation >20' To 25', Add	19.96	
For Elevated Installation >25' To 30', Add	27.94	
For Elevated Installation >30' To 35', Add	31.94	
For Elevated Installation >35' To 40', Add	39.92	
For Elevated Installation >40', Add	43.91	
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	194.49	41.58
For Work In Restricted Working Space, Add	31.17	
For Elevated Installation >10' To 15', Add	10.39	
For Elevated Installation >15' To 20', Add	20.78	
For Elevated Installation >20' To 25', Add	25.98	
For Elevated Installation >25' To 30', Add	36.37	
For Elevated Installation >30' To 35', Add	41.56	
For Elevated Installation >35' To 40', Add	51.96	
For Elevated Installation >40', Add	57.15	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	318.09	67.78
For Work In Restricted Working Space, Add	50.84	
For Elevated Installation >10' To 15', Add	16.95	
For Elevated Installation >15' To 20', Add	33.89	
For Elevated Installation >20' To 25', Add	42.37	
For Elevated Installation >25' To 30', Add	59.31	
For Elevated Installation >30' To 35', Add	67.78	
For Elevated Installation >35' To 40', Add	84.73	
For Elevated Installation >40', Add	93.20	
26 05 33 13-0085 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	478.19	101.82
For Work In Restricted Working Space, Add	76.36	
For Elevated Installation >10' To 15', Add	25.45	
For Elevated Installation >15' To 20', Add	50.91	
For Elevated Installation >20' To 25', Add	63.64	
For Elevated Installation >25' To 30', Add	89.09	
For Elevated Installation >30' To 35', Add	101.82	
For Elevated Installation >35' To 40', Add	127.27	
For Elevated Installation >40', Add	140.00	
26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0087 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	22.03	7.46
For Work In Restricted Working Space, Add	5.61	
For Elevated Installation >10' To 15', Add	1.87	
For Elevated Installation >15' To 20', Add	3.74	
For Elevated Installation >20' To 25', Add	4.68	
For Elevated Installation >25' To 30', Add	6.55	
For Elevated Installation >30' To 35', Add	7.48	
For Elevated Installation >35' To 40', Add	9.35	
For Elevated Installation >40', Add	10.29	
26 05 33 13-0088 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	27.64	9.26
For Work In Restricted Working Space, Add	6.98	
For Elevated Installation >10' To 15', Add	2.33	
For Elevated Installation >15' To 20', Add	4.65	
For Elevated Installation >20' To 25', Add	5.81	
For Elevated Installation >25' To 30', Add	8.14	
For Elevated Installation >30' To 35', Add	9.30	
For Elevated Installation >35' To 40', Add	11.63	
For Elevated Installation >40', Add	12.79	
26 05 33 13-0089 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	35.12	11.37
For Work In Restricted Working Space, Add	8.51	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.67	
For Elevated Installation >20' To 25', Add	7.09	
For Elevated Installation >25' To 30', Add	9.93	
For Elevated Installation >30' To 35', Add	11.34	
For Elevated Installation >35' To 40', Add	14.18	
For Elevated Installation >40', Add	15.60	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0090	EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	44.48	13.18
	For Work In Restricted Working Space, Add	9.88	
	For Elevated Installation >10' To 15', Add	3.29	
	For Elevated Installation >15' To 20', Add	6.58	
	For Elevated Installation >20' To 25', Add	8.23	
	For Elevated Installation >25' To 30', Add	11.52	
	For Elevated Installation >30' To 35', Add	13.17	
	For Elevated Installation >35' To 40', Add	16.46	
	For Elevated Installation >40', Add	18.11	
26 05 33 13-0091	EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	51.58	15.14
	For Work In Restricted Working Space, Add	11.34	
	For Elevated Installation >10' To 15', Add	3.78	
	For Elevated Installation >15' To 20', Add	7.56	
	For Elevated Installation >20' To 25', Add	9.45	
	For Elevated Installation >25' To 30', Add	13.23	
	For Elevated Installation >30' To 35', Add	15.12	
	For Elevated Installation >35' To 40', Add	18.90	
	For Elevated Installation >40', Add	20.78	
26 05 33 13-0092	EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	60.52	16.64
	For Work In Restricted Working Space, Add	12.47	
	For Elevated Installation >10' To 15', Add	4.16	
	For Elevated Installation >15' To 20', Add	8.31	
	For Elevated Installation >20' To 25', Add	10.39	
	For Elevated Installation >25' To 30', Add	14.55	
	For Elevated Installation >30' To 35', Add	16.63	
	For Elevated Installation >35' To 40', Add	20.79	
	For Elevated Installation >40', Add	22.86	
26 05 33 13-0093	EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	84.36	20.79
	For Work In Restricted Working Space, Add	15.59	
	For Elevated Installation >10' To 15', Add	5.20	
	For Elevated Installation >15' To 20', Add	10.39	
	For Elevated Installation >20' To 25', Add	12.99	
	For Elevated Installation >25' To 30', Add	18.19	
	For Elevated Installation >30' To 35', Add	20.78	
	For Elevated Installation >35' To 40', Add	25.98	
	For Elevated Installation >40', Add	28.58	
26 05 33 13-0094	EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	115.72	28.32
	For Work In Restricted Working Space, Add	21.23	
	For Elevated Installation >10' To 15', Add	7.08	
	For Elevated Installation >15' To 20', Add	14.16	
	For Elevated Installation >20' To 25', Add	17.70	
	For Elevated Installation >25' To 30', Add	24.77	
	For Elevated Installation >30' To 35', Add	28.31	
	For Elevated Installation >35' To 40', Add	35.39	
	For Elevated Installation >40', Add	38.93	
26 05 33 13-0095	EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	150.93	31.93
	For Work In Restricted Working Space, Add	23.95	
	For Elevated Installation >10' To 15', Add	7.98	
	For Elevated Installation >15' To 20', Add	15.97	
	For Elevated Installation >20' To 25', Add	19.96	
	For Elevated Installation >25' To 30', Add	27.94	
	For Elevated Installation >30' To 35', Add	31.94	
	For Elevated Installation >35' To 40', Add	39.92	
	For Elevated Installation >40', Add	43.91	
26 05 33 13-0096	EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	184.51	41.58
	For Work In Restricted Working Space, Add	31.17	
	For Elevated Installation >10' To 15', Add	10.39	
	For Elevated Installation >15' To 20', Add	20.78	
	For Elevated Installation >20' To 25', Add	25.98	
	For Elevated Installation >25' To 30', Add	36.37	
	For Elevated Installation >30' To 35', Add	41.56	
	For Elevated Installation >35' To 40', Add	51.96	
	For Elevated Installation >40', Add	57.15	
26 05 33 13-0097	EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	318.09	67.78
	For Work In Restricted Working Space, Add	50.84	
	For Elevated Installation >10' To 15', Add	16.95	
	For Elevated Installation >15' To 20', Add	33.89	
	For Elevated Installation >20' To 25', Add	42.37	
	For Elevated Installation >25' To 30', Add	59.31	
	For Elevated Installation >30' To 35', Add	67.78	
	For Elevated Installation >35' To 40', Add	84.73	
	For Elevated Installation >40', Add	93.20	
26 05 33 13-0098	EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	478.19	101.82
	For Work In Restricted Working Space, Add	76.36	
	For Elevated Installation >10' To 15', Add	25.45	
	For Elevated Installation >15' To 20', Add	50.91	
	For Elevated Installation >20' To 25', Add	63.64	
	For Elevated Installation >25' To 30', Add	89.09	
	For Elevated Installation >30' To 35', Add	101.82	
	For Elevated Installation >35' To 40', Add	127.27	
	For Elevated Installation >40', Add	140.00	

26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0059)

See CSI section 26 05 33 13-1638 for conduit field bending.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	53.31	18.60
For Work In Restricted Working Space, Add	11.16	
For Elevated Installation >10' To 15', Add	3.72	
For Elevated Installation >15' To 20', Add	7.44	
For Elevated Installation >20' To 25', Add	9.30	
For Elevated Installation >25' To 30', Add	13.02	
For Elevated Installation >30' To 35', Add	14.88	
For Elevated Installation >35' To 40', Add	18.61	
For Elevated Installation >40', Add	20.47	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	61.45	21.54
For Work In Restricted Working Space, Add	12.92	
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.62	
For Elevated Installation >20' To 25', Add	10.77	
For Elevated Installation >25' To 30', Add	15.08	
For Elevated Installation >30' To 35', Add	17.23	
For Elevated Installation >35' To 40', Add	21.54	
For Elevated Installation >40', Add	23.69	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	70.96	24.48
For Work In Restricted Working Space, Add	14.69	
For Elevated Installation >10' To 15', Add	4.90	
For Elevated Installation >15' To 20', Add	9.79	
For Elevated Installation >20' To 25', Add	12.24	
For Elevated Installation >25' To 30', Add	17.13	
For Elevated Installation >30' To 35', Add	19.58	
For Elevated Installation >35' To 40', Add	24.48	
For Elevated Installation >40', Add	26.92	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	79.78	26.92
For Work In Restricted Working Space, Add	16.16	
For Elevated Installation >10' To 15', Add	5.39	
For Elevated Installation >15' To 20', Add	10.77	
For Elevated Installation >20' To 25', Add	13.46	
For Elevated Installation >25' To 30', Add	18.85	
For Elevated Installation >30' To 35', Add	21.54	
For Elevated Installation >35' To 40', Add	26.93	
For Elevated Installation >40', Add	29.62	
26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	57.48	18.60
For Work In Restricted Working Space, Add	11.16	
For Elevated Installation >10' To 15', Add	3.72	
For Elevated Installation >15' To 20', Add	7.44	
For Elevated Installation >20' To 25', Add	9.30	
For Elevated Installation >25' To 30', Add	13.02	
For Elevated Installation >30' To 35', Add	14.88	
For Elevated Installation >35' To 40', Add	18.61	
For Elevated Installation >40', Add	20.47	
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	66.82	21.54
For Work In Restricted Working Space, Add	12.92	
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.62	
For Elevated Installation >20' To 25', Add	10.77	
For Elevated Installation >25' To 30', Add	15.08	
For Elevated Installation >30' To 35', Add	17.23	
For Elevated Installation >35' To 40', Add	21.54	
For Elevated Installation >40', Add	23.69	
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	73.41	24.48
For Work In Restricted Working Space, Add	14.69	
For Elevated Installation >10' To 15', Add	4.90	
For Elevated Installation >15' To 20', Add	9.79	
For Elevated Installation >20' To 25', Add	12.24	
For Elevated Installation >25' To 30', Add	17.13	
For Elevated Installation >30' To 35', Add	19.58	
For Elevated Installation >35' To 40', Add	24.48	
For Elevated Installation >40', Add	26.92	
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	82.52	26.92
For Work In Restricted Working Space, Add	16.16	
For Elevated Installation >10' To 15', Add	5.39	
For Elevated Installation >15' To 20', Add	10.77	
For Elevated Installation >20' To 25', Add	13.46	
For Elevated Installation >25' To 30', Add	18.85	
For Elevated Installation >30' To 35', Add	21.54	
For Elevated Installation >35' To 40', Add	26.93	
For Elevated Installation >40', Add	29.62	
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	109.15	33.78
For Work In Restricted Working Space, Add	20.27	
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.64	
For Elevated Installation >30' To 35', Add	27.02	
For Elevated Installation >35' To 40', Add	33.78	
For Elevated Installation >40', Add	37.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	147.05	46.01
		<i>For Work In Restricted Working Space, Add</i>	27.61	
		<i>For Elevated Installation >10' To 15', Add</i>	9.20	
		<i>For Elevated Installation >15' To 20', Add</i>	18.41	
		<i>For Elevated Installation >20' To 25', Add</i>	23.01	
		<i>For Elevated Installation >25' To 30', Add</i>	32.21	
		<i>For Elevated Installation >30' To 35', Add</i>	36.81	
		<i>For Elevated Installation >35' To 40', Add</i>	46.02	
		<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0111		Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	57.68	18.60
		<i>For Work In Restricted Working Space, Add</i>	11.16	
		<i>For Elevated Installation >10' To 15', Add</i>	3.72	
		<i>For Elevated Installation >15' To 20', Add</i>	7.44	
		<i>For Elevated Installation >20' To 25', Add</i>	9.30	
		<i>For Elevated Installation >25' To 30', Add</i>	13.02	
		<i>For Elevated Installation >30' To 35', Add</i>	14.88	
		<i>For Elevated Installation >35' To 40', Add</i>	18.61	
		<i>For Elevated Installation >40', Add</i>	20.47	
26 05 33 13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	66.29	21.54
		<i>For Work In Restricted Working Space, Add</i>	12.92	
		<i>For Elevated Installation >10' To 15', Add</i>	4.31	
		<i>For Elevated Installation >15' To 20', Add</i>	8.62	
		<i>For Elevated Installation >20' To 25', Add</i>	10.77	
		<i>For Elevated Installation >25' To 30', Add</i>	15.08	
		<i>For Elevated Installation >30' To 35', Add</i>	17.23	
		<i>For Elevated Installation >35' To 40', Add</i>	21.54	
		<i>For Elevated Installation >40', Add</i>	23.69	
26 05 33 13-0114	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	76.05	24.48
		<i>For Work In Restricted Working Space, Add</i>	14.69	
		<i>For Elevated Installation >10' To 15', Add</i>	4.90	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.24	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.58	
		<i>For Elevated Installation >35' To 40', Add</i>	24.48	
		<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0115	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	88.43	26.92
		<i>For Work In Restricted Working Space, Add</i>	16.16	
		<i>For Elevated Installation >10' To 15', Add</i>	5.39	
		<i>For Elevated Installation >15' To 20', Add</i>	10.77	
		<i>For Elevated Installation >20' To 25', Add</i>	13.46	
		<i>For Elevated Installation >25' To 30', Add</i>	18.85	
		<i>For Elevated Installation >30' To 35', Add</i>	21.54	
		<i>For Elevated Installation >35' To 40', Add</i>	26.93	
		<i>For Elevated Installation >40', Add</i>	29.62	
26 05 33 13-0116	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	114.66	33.78
		<i>For Work In Restricted Working Space, Add</i>	20.27	
		<i>For Elevated Installation >10' To 15', Add</i>	6.76	
		<i>For Elevated Installation >15' To 20', Add</i>	13.51	
		<i>For Elevated Installation >20' To 25', Add</i>	16.89	
		<i>For Elevated Installation >25' To 30', Add</i>	23.64	
		<i>For Elevated Installation >30' To 35', Add</i>	27.02	
		<i>For Elevated Installation >35' To 40', Add</i>	33.78	
		<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0117	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	151.49	46.01
		<i>For Work In Restricted Working Space, Add</i>	27.61	
		<i>For Elevated Installation >10' To 15', Add</i>	9.20	
		<i>For Elevated Installation >15' To 20', Add</i>	18.41	
		<i>For Elevated Installation >20' To 25', Add</i>	23.01	
		<i>For Elevated Installation >25' To 30', Add</i>	32.21	
		<i>For Elevated Installation >30' To 35', Add</i>	36.81	
		<i>For Elevated Installation >35' To 40', Add</i>	46.02	
		<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0118	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	187.83	51.89
		<i>For Work In Restricted Working Space, Add</i>	31.13	
		<i>For Elevated Installation >10' To 15', Add</i>	10.38	
		<i>For Elevated Installation >15' To 20', Add</i>	20.76	
		<i>For Elevated Installation >20' To 25', Add</i>	25.95	
		<i>For Elevated Installation >25' To 30', Add</i>	36.32	
		<i>For Elevated Installation >30' To 35', Add</i>	41.51	
		<i>For Elevated Installation >35' To 40', Add</i>	51.89	
		<i>For Elevated Installation >40', Add</i>	57.08	
26 05 33 13-0119	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	229.03	67.55
		<i>For Work In Restricted Working Space, Add</i>	40.53	
		<i>For Elevated Installation >10' To 15', Add</i>	13.51	
		<i>For Elevated Installation >15' To 20', Add</i>	27.02	
		<i>For Elevated Installation >20' To 25', Add</i>	33.78	
		<i>For Elevated Installation >25' To 30', Add</i>	47.29	
		<i>For Elevated Installation >30' To 35', Add</i>	54.04	
		<i>For Elevated Installation >35' To 40', Add</i>	67.56	
		<i>For Elevated Installation >40', Add</i>	74.31	
26 05 33 13-0120		Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
		See CSI section 26 05 33 13-1638 for conduit field bending.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	64.33	18.60
<i>For Work In Restricted Working Space, Add</i>	11.16	
<i>For Elevated Installation >10' To 15', Add</i>	3.72	
<i>For Elevated Installation >15' To 20', Add</i>	7.44	
<i>For Elevated Installation >20' To 25', Add</i>	9.30	
<i>For Elevated Installation >25' To 30', Add</i>	13.02	
<i>For Elevated Installation >30' To 35', Add</i>	14.88	
<i>For Elevated Installation >35' To 40', Add</i>	18.61	
<i>For Elevated Installation >40', Add</i>	20.47	
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	72.82	21.54
<i>For Work In Restricted Working Space, Add</i>	12.92	
<i>For Elevated Installation >10' To 15', Add</i>	4.31	
<i>For Elevated Installation >15' To 20', Add</i>	8.62	
<i>For Elevated Installation >20' To 25', Add</i>	10.77	
<i>For Elevated Installation >25' To 30', Add</i>	15.08	
<i>For Elevated Installation >30' To 35', Add</i>	17.23	
<i>For Elevated Installation >35' To 40', Add</i>	21.54	
<i>For Elevated Installation >40', Add</i>	23.69	
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	80.94	24.48
<i>For Work In Restricted Working Space, Add</i>	14.69	
<i>For Elevated Installation >10' To 15', Add</i>	4.90	
<i>For Elevated Installation >15' To 20', Add</i>	9.79	
<i>For Elevated Installation >20' To 25', Add</i>	12.24	
<i>For Elevated Installation >25' To 30', Add</i>	17.13	
<i>For Elevated Installation >30' To 35', Add</i>	19.58	
<i>For Elevated Installation >35' To 40', Add</i>	24.48	
<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	95.64	26.92
<i>For Work In Restricted Working Space, Add</i>	16.16	
<i>For Elevated Installation >10' To 15', Add</i>	5.39	
<i>For Elevated Installation >15' To 20', Add</i>	10.77	
<i>For Elevated Installation >20' To 25', Add</i>	13.46	
<i>For Elevated Installation >25' To 30', Add</i>	18.85	
<i>For Elevated Installation >30' To 35', Add</i>	21.54	
<i>For Elevated Installation >35' To 40', Add</i>	26.93	
<i>For Elevated Installation >40', Add</i>	29.62	
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	124.50	33.78
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.64	
<i>For Elevated Installation >30' To 35', Add</i>	27.02	
<i>For Elevated Installation >35' To 40', Add</i>	33.78	
<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	166.91	46.01
<i>For Work In Restricted Working Space, Add</i>	27.61	
<i>For Elevated Installation >10' To 15', Add</i>	9.20	
<i>For Elevated Installation >15' To 20', Add</i>	18.41	
<i>For Elevated Installation >20' To 25', Add</i>	23.01	
<i>For Elevated Installation >25' To 30', Add</i>	32.21	
<i>For Elevated Installation >30' To 35', Add</i>	36.81	
<i>For Elevated Installation >35' To 40', Add</i>	46.02	
<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	202.82	51.89
<i>For Work In Restricted Working Space, Add</i>	31.13	
<i>For Elevated Installation >10' To 15', Add</i>	10.38	
<i>For Elevated Installation >15' To 20', Add</i>	20.76	
<i>For Elevated Installation >20' To 25', Add</i>	25.95	
<i>For Elevated Installation >25' To 30', Add</i>	36.32	
<i>For Elevated Installation >30' To 35', Add</i>	41.51	
<i>For Elevated Installation >35' To 40', Add</i>	51.89	
<i>For Elevated Installation >40', Add</i>	57.08	
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	240.98	67.55
<i>For Work In Restricted Working Space, Add</i>	40.53	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.02	
<i>For Elevated Installation >20' To 25', Add</i>	33.78	
<i>For Elevated Installation >25' To 30', Add</i>	47.29	
<i>For Elevated Installation >30' To 35', Add</i>	54.04	
<i>For Elevated Installation >35' To 40', Add</i>	67.56	
<i>For Elevated Installation >40', Add</i>	74.31	
26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
<i>See CSI section 26 05 33 13-1638 for conduit field bending.</i>		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	63.93	18.60
<i>For Work In Restricted Working Space, Add</i>	11.16	
<i>For Elevated Installation >10' To 15', Add</i>	3.72	
<i>For Elevated Installation >15' To 20', Add</i>	7.44	
<i>For Elevated Installation >20' To 25', Add</i>	9.30	
<i>For Elevated Installation >25' To 30', Add</i>	13.02	
<i>For Elevated Installation >30' To 35', Add</i>	14.88	
<i>For Elevated Installation >35' To 40', Add</i>	18.61	
<i>For Elevated Installation >40', Add</i>	20.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0131	EA		1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	77.68	21.54
			<i>For Work In Restricted Working Space, Add</i>	12.92	
			<i>For Elevated Installation >10' To 15', Add</i>	4.31	
			<i>For Elevated Installation >15' To 20', Add</i>	8.62	
			<i>For Elevated Installation >20' To 25', Add</i>	10.77	
			<i>For Elevated Installation >25' To 30', Add</i>	15.08	
			<i>For Elevated Installation >30' To 35', Add</i>	17.23	
			<i>For Elevated Installation >35' To 40', Add</i>	21.54	
			<i>For Elevated Installation >40', Add</i>	23.69	
26 05 33 13-0132	EA		1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	86.20	24.48
			<i>For Work In Restricted Working Space, Add</i>	14.69	
			<i>For Elevated Installation >10' To 15', Add</i>	4.90	
			<i>For Elevated Installation >15' To 20', Add</i>	9.79	
			<i>For Elevated Installation >20' To 25', Add</i>	12.24	
			<i>For Elevated Installation >25' To 30', Add</i>	17.13	
			<i>For Elevated Installation >30' To 35', Add</i>	19.58	
			<i>For Elevated Installation >35' To 40', Add</i>	24.48	
			<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0133	EA		2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	102.51	26.92
			<i>For Work In Restricted Working Space, Add</i>	16.16	
			<i>For Elevated Installation >10' To 15', Add</i>	5.39	
			<i>For Elevated Installation >15' To 20', Add</i>	10.77	
			<i>For Elevated Installation >20' To 25', Add</i>	13.46	
			<i>For Elevated Installation >25' To 30', Add</i>	18.85	
			<i>For Elevated Installation >30' To 35', Add</i>	21.54	
			<i>For Elevated Installation >35' To 40', Add</i>	26.93	
			<i>For Elevated Installation >40', Add</i>	29.62	
26 05 33 13-0134	EA		2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	133.93	33.78
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Elevated Installation >10' To 15', Add</i>	6.76	
			<i>For Elevated Installation >15' To 20', Add</i>	13.51	
			<i>For Elevated Installation >20' To 25', Add</i>	16.89	
			<i>For Elevated Installation >25' To 30', Add</i>	23.64	
			<i>For Elevated Installation >30' To 35', Add</i>	27.02	
			<i>For Elevated Installation >35' To 40', Add</i>	33.78	
			<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0135	EA		3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	179.08	46.01
			<i>For Work In Restricted Working Space, Add</i>	27.61	
			<i>For Elevated Installation >10' To 15', Add</i>	9.20	
			<i>For Elevated Installation >15' To 20', Add</i>	18.41	
			<i>For Elevated Installation >20' To 25', Add</i>	23.01	
			<i>For Elevated Installation >25' To 30', Add</i>	32.21	
			<i>For Elevated Installation >30' To 35', Add</i>	36.81	
			<i>For Elevated Installation >35' To 40', Add</i>	46.02	
			<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0136	EA		3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	217.64	51.89
			<i>For Work In Restricted Working Space, Add</i>	31.13	
			<i>For Elevated Installation >10' To 15', Add</i>	10.38	
			<i>For Elevated Installation >15' To 20', Add</i>	20.76	
			<i>For Elevated Installation >20' To 25', Add</i>	25.95	
			<i>For Elevated Installation >25' To 30', Add</i>	36.32	
			<i>For Elevated Installation >30' To 35', Add</i>	41.51	
			<i>For Elevated Installation >35' To 40', Add</i>	51.89	
			<i>For Elevated Installation >40', Add</i>	57.08	
26 05 33 13-0137	EA		4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	262.90	67.55
			<i>For Work In Restricted Working Space, Add</i>	40.53	
			<i>For Elevated Installation >10' To 15', Add</i>	13.51	
			<i>For Elevated Installation >15' To 20', Add</i>	27.02	
			<i>For Elevated Installation >20' To 25', Add</i>	33.78	
			<i>For Elevated Installation >25' To 30', Add</i>	47.29	
			<i>For Elevated Installation >30' To 35', Add</i>	54.04	
			<i>For Elevated Installation >35' To 40', Add</i>	67.56	
			<i>For Elevated Installation >40', Add</i>	74.31	
26 05 33 13-0138	EA		5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	384.44	110.14
			<i>For Work In Restricted Working Space, Add</i>	66.09	
			<i>For Elevated Installation >10' To 15', Add</i>	22.03	
			<i>For Elevated Installation >15' To 20', Add</i>	44.06	
			<i>For Elevated Installation >20' To 25', Add</i>	55.07	
			<i>For Elevated Installation >25' To 30', Add</i>	77.10	
			<i>For Elevated Installation >30' To 35', Add</i>	88.12	
			<i>For Elevated Installation >35' To 40', Add</i>	110.15	
			<i>For Elevated Installation >40', Add</i>	121.16	
26 05 33 13-0139			Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0059)		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0140	EA		1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	67.49	18.60
			<i>For Work In Restricted Working Space, Add</i>	11.16	
			<i>For Elevated Installation >10' To 15', Add</i>	3.72	
			<i>For Elevated Installation >15' To 20', Add</i>	7.44	
			<i>For Elevated Installation >20' To 25', Add</i>	9.30	
			<i>For Elevated Installation >25' To 30', Add</i>	13.02	
			<i>For Elevated Installation >30' To 35', Add</i>	14.88	
			<i>For Elevated Installation >35' To 40', Add</i>	18.61	
			<i>For Elevated Installation >40', Add</i>	20.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	80.07	21.54
<i>For Work In Restricted Working Space, Add</i>	12.92	
<i>For Elevated Installation >10' To 15', Add</i>	4.31	
<i>For Elevated Installation >15' To 20', Add</i>	8.62	
<i>For Elevated Installation >20' To 25', Add</i>	10.77	
<i>For Elevated Installation >25' To 30', Add</i>	15.08	
<i>For Elevated Installation >30' To 35', Add</i>	17.23	
<i>For Elevated Installation >35' To 40', Add</i>	21.54	
<i>For Elevated Installation >40', Add</i>	23.69	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	95.41	24.48
<i>For Work In Restricted Working Space, Add</i>	14.69	
<i>For Elevated Installation >10' To 15', Add</i>	4.90	
<i>For Elevated Installation >15' To 20', Add</i>	9.79	
<i>For Elevated Installation >20' To 25', Add</i>	12.24	
<i>For Elevated Installation >25' To 30', Add</i>	17.13	
<i>For Elevated Installation >30' To 35', Add</i>	19.58	
<i>For Elevated Installation >35' To 40', Add</i>	24.48	
<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	107.88	26.92
<i>For Work In Restricted Working Space, Add</i>	16.16	
<i>For Elevated Installation >10' To 15', Add</i>	5.39	
<i>For Elevated Installation >15' To 20', Add</i>	10.77	
<i>For Elevated Installation >20' To 25', Add</i>	13.46	
<i>For Elevated Installation >25' To 30', Add</i>	18.85	
<i>For Elevated Installation >30' To 35', Add</i>	21.54	
<i>For Elevated Installation >35' To 40', Add</i>	26.93	
<i>For Elevated Installation >40', Add</i>	29.62	
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	145.12	33.78
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Elevated Installation >10' To 15', Add</i>	6.76	
<i>For Elevated Installation >15' To 20', Add</i>	13.51	
<i>For Elevated Installation >20' To 25', Add</i>	16.89	
<i>For Elevated Installation >25' To 30', Add</i>	23.64	
<i>For Elevated Installation >30' To 35', Add</i>	27.02	
<i>For Elevated Installation >35' To 40', Add</i>	33.78	
<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	189.49	46.01
<i>For Work In Restricted Working Space, Add</i>	27.61	
<i>For Elevated Installation >10' To 15', Add</i>	9.20	
<i>For Elevated Installation >15' To 20', Add</i>	18.41	
<i>For Elevated Installation >20' To 25', Add</i>	23.01	
<i>For Elevated Installation >25' To 30', Add</i>	32.21	
<i>For Elevated Installation >30' To 35', Add</i>	36.81	
<i>For Elevated Installation >35' To 40', Add</i>	46.02	
<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	236.77	51.89
<i>For Work In Restricted Working Space, Add</i>	31.13	
<i>For Elevated Installation >10' To 15', Add</i>	10.38	
<i>For Elevated Installation >15' To 20', Add</i>	20.76	
<i>For Elevated Installation >20' To 25', Add</i>	25.95	
<i>For Elevated Installation >25' To 30', Add</i>	36.32	
<i>For Elevated Installation >30' To 35', Add</i>	41.51	
<i>For Elevated Installation >35' To 40', Add</i>	51.89	
<i>For Elevated Installation >40', Add</i>	57.08	
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	273.22	67.55
<i>For Work In Restricted Working Space, Add</i>	40.53	
<i>For Elevated Installation >10' To 15', Add</i>	13.51	
<i>For Elevated Installation >15' To 20', Add</i>	27.02	
<i>For Elevated Installation >20' To 25', Add</i>	33.78	
<i>For Elevated Installation >25' To 30', Add</i>	47.29	
<i>For Elevated Installation >30' To 35', Add</i>	54.04	
<i>For Elevated Installation >35' To 40', Add</i>	67.56	
<i>For Elevated Installation >40', Add</i>	74.31	
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	468.61	110.14
<i>For Work In Restricted Working Space, Add</i>	66.09	
<i>For Elevated Installation >10' To 15', Add</i>	22.03	
<i>For Elevated Installation >15' To 20', Add</i>	44.06	
<i>For Elevated Installation >20' To 25', Add</i>	55.07	
<i>For Elevated Installation >25' To 30', Add</i>	77.10	
<i>For Elevated Installation >30' To 35', Add</i>	88.12	
<i>For Elevated Installation >35' To 40', Add</i>	110.15	
<i>For Elevated Installation >40', Add</i>	121.16	
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	603.75	165.47
<i>For Work In Restricted Working Space, Add</i>	99.28	
<i>For Elevated Installation >10' To 15', Add</i>	33.09	
<i>For Elevated Installation >15' To 20', Add</i>	66.19	
<i>For Elevated Installation >20' To 25', Add</i>	82.73	
<i>For Elevated Installation >25' To 30', Add</i>	115.83	
<i>For Elevated Installation >30' To 35', Add</i>	132.37	
<i>For Elevated Installation >35' To 40', Add</i>	165.47	
<i>For Elevated Installation >40', Add</i>	182.01	

26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0059)
 See CSI section 26 05 33 13-1638 for conduit field bending.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	72.69	18.60
		<i>For Work In Restricted Working Space, Add</i>	11.16	
		<i>For Elevated Installation >10' To 15', Add</i>	3.72	
		<i>For Elevated Installation >15' To 20', Add</i>	7.44	
		<i>For Elevated Installation >20' To 25', Add</i>	9.30	
		<i>For Elevated Installation >25' To 30', Add</i>	13.02	
		<i>For Elevated Installation >30' To 35', Add</i>	14.88	
		<i>For Elevated Installation >35' To 40', Add</i>	18.61	
		<i>For Elevated Installation >40', Add</i>	20.47	
26 05 33 13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	86.43	21.54
		<i>For Work In Restricted Working Space, Add</i>	12.92	
		<i>For Elevated Installation >10' To 15', Add</i>	4.31	
		<i>For Elevated Installation >15' To 20', Add</i>	8.62	
		<i>For Elevated Installation >20' To 25', Add</i>	10.77	
		<i>For Elevated Installation >25' To 30', Add</i>	15.08	
		<i>For Elevated Installation >30' To 35', Add</i>	17.23	
		<i>For Elevated Installation >35' To 40', Add</i>	21.54	
		<i>For Elevated Installation >40', Add</i>	23.69	
26 05 33 13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	102.17	24.48
		<i>For Work In Restricted Working Space, Add</i>	14.69	
		<i>For Elevated Installation >10' To 15', Add</i>	4.90	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.24	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.58	
		<i>For Elevated Installation >35' To 40', Add</i>	24.48	
		<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0154	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	114.94	26.92
		<i>For Work In Restricted Working Space, Add</i>	16.16	
		<i>For Elevated Installation >10' To 15', Add</i>	5.39	
		<i>For Elevated Installation >15' To 20', Add</i>	10.77	
		<i>For Elevated Installation >20' To 25', Add</i>	13.46	
		<i>For Elevated Installation >25' To 30', Add</i>	18.85	
		<i>For Elevated Installation >30' To 35', Add</i>	21.54	
		<i>For Elevated Installation >35' To 40', Add</i>	26.93	
		<i>For Elevated Installation >40', Add</i>	29.62	
26 05 33 13-0155	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	153.67	33.78
		<i>For Work In Restricted Working Space, Add</i>	20.27	
		<i>For Elevated Installation >10' To 15', Add</i>	6.76	
		<i>For Elevated Installation >15' To 20', Add</i>	13.51	
		<i>For Elevated Installation >20' To 25', Add</i>	16.89	
		<i>For Elevated Installation >25' To 30', Add</i>	23.64	
		<i>For Elevated Installation >30' To 35', Add</i>	27.02	
		<i>For Elevated Installation >35' To 40', Add</i>	33.78	
		<i>For Elevated Installation >40', Add</i>	37.15	
26 05 33 13-0156	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	204.75	46.01
		<i>For Work In Restricted Working Space, Add</i>	27.61	
		<i>For Elevated Installation >10' To 15', Add</i>	9.20	
		<i>For Elevated Installation >15' To 20', Add</i>	18.41	
		<i>For Elevated Installation >20' To 25', Add</i>	23.01	
		<i>For Elevated Installation >25' To 30', Add</i>	32.21	
		<i>For Elevated Installation >30' To 35', Add</i>	36.81	
		<i>For Elevated Installation >35' To 40', Add</i>	46.02	
		<i>For Elevated Installation >40', Add</i>	50.62	
26 05 33 13-0157	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	252.07	51.89
		<i>For Work In Restricted Working Space, Add</i>	31.13	
		<i>For Elevated Installation >10' To 15', Add</i>	10.38	
		<i>For Elevated Installation >15' To 20', Add</i>	20.76	
		<i>For Elevated Installation >20' To 25', Add</i>	25.95	
		<i>For Elevated Installation >25' To 30', Add</i>	36.32	
		<i>For Elevated Installation >30' To 35', Add</i>	41.51	
		<i>For Elevated Installation >35' To 40', Add</i>	51.89	
		<i>For Elevated Installation >40', Add</i>	57.08	
26 05 33 13-0158	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	317.24	67.55
		<i>For Work In Restricted Working Space, Add</i>	40.53	
		<i>For Elevated Installation >10' To 15', Add</i>	13.51	
		<i>For Elevated Installation >15' To 20', Add</i>	27.02	
		<i>For Elevated Installation >20' To 25', Add</i>	33.78	
		<i>For Elevated Installation >25' To 30', Add</i>	47.29	
		<i>For Elevated Installation >30' To 35', Add</i>	54.04	
		<i>For Elevated Installation >35' To 40', Add</i>	67.56	
		<i>For Elevated Installation >40', Add</i>	74.31	
26 05 33 13-0159	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	529.34	110.14
		<i>For Work In Restricted Working Space, Add</i>	66.09	
		<i>For Elevated Installation >10' To 15', Add</i>	22.03	
		<i>For Elevated Installation >15' To 20', Add</i>	44.06	
		<i>For Elevated Installation >20' To 25', Add</i>	55.07	
		<i>For Elevated Installation >25' To 30', Add</i>	77.10	
		<i>For Elevated Installation >30' To 35', Add</i>	88.12	
		<i>For Elevated Installation >35' To 40', Add</i>	110.15	
		<i>For Elevated Installation >40', Add</i>	121.16	
26 05 33 13-0160	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	656.33	165.47
		<i>For Work In Restricted Working Space, Add</i>	99.28	
		<i>For Elevated Installation >10' To 15', Add</i>	33.09	
		<i>For Elevated Installation >15' To 20', Add</i>	66.19	
		<i>For Elevated Installation >20' To 25', Add</i>	82.73	
		<i>For Elevated Installation >25' To 30', Add</i>	115.83	
		<i>For Elevated Installation >30' To 35', Add</i>	132.37	
		<i>For Elevated Installation >35' To 40', Add</i>	165.47	
		<i>For Elevated Installation >40', Add</i>	182.01	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 05 33 13-0161	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0162	EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 77.03 11.16 3.72 7.44 9.30 13.02 14.88 18.61 20.47	18.60
26 05 33 13-0163	EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 91.33 12.92 4.31 8.62 10.77 15.08 17.23 21.54 23.69	21.54
26 05 33 13-0164	EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 106.44 14.69 4.90 9.79 12.24 17.13 19.58 24.48 26.92	24.48
26 05 33 13-0165	EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 128.15 16.16 5.39 10.77 13.46 18.85 21.54 26.93 29.62	26.92
26 05 33 13-0166	EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 169.46 20.27 6.76 13.51 16.89 23.64 27.02 33.78 37.15	33.78
26 05 33 13-0167	EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 220.12 27.61 9.20 18.41 23.01 32.21 36.81 46.02 50.62	46.01
26 05 33 13-0168	EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 271.30 31.13 10.38 20.76 25.95 36.32 41.51 51.89 57.08	51.89
26 05 33 13-0169	EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 340.61 40.53 13.51 27.02 33.78 47.29 54.04 67.56 74.31	67.55
26 05 33 13-0170	EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	..... 548.36 66.09 22.03 44.06 55.07 77.10 88.12 110.15 121.16	110.14

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0171	EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	666.97	165.47
	For Work In Restricted Working Space, Add	99.28	
	For Elevated Installation >10' To 15', Add	33.09	
	For Elevated Installation >15' To 20', Add	66.19	
	For Elevated Installation >20' To 25', Add	82.73	
	For Elevated Installation >25' To 30', Add	115.83	
	For Elevated Installation >30' To 35', Add	132.37	
	For Elevated Installation >35' To 40', Add	165.47	
	For Elevated Installation >40', Add	182.01	
26 05 33 13-0172	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0059)		
26 05 33 13-0173	EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	9.84	4.80
	For Work In Restricted Working Space, Add	2.88	
	For Elevated Installation >10' To 15', Add	0.96	
	For Elevated Installation >15' To 20', Add	1.92	
	For Elevated Installation >20' To 25', Add	2.40	
	For Elevated Installation >25' To 30', Add	3.36	
	For Elevated Installation >30' To 35', Add	3.84	
	For Elevated Installation >35' To 40', Add	4.81	
	For Elevated Installation >40', Add	5.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.88	
26 05 33 13-0174	EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.55	5.12
	For Work In Restricted Working Space, Add	3.07	
	For Elevated Installation >10' To 15', Add	1.02	
	For Elevated Installation >15' To 20', Add	2.05	
	For Elevated Installation >20' To 25', Add	2.56	
	For Elevated Installation >25' To 30', Add	3.58	
	For Elevated Installation >30' To 35', Add	4.10	
	For Elevated Installation >35' To 40', Add	5.12	
	For Elevated Installation >40', Add	5.63	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 33 13-0175	EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	11.99	5.76
	For Work In Restricted Working Space, Add	3.46	
	For Elevated Installation >10' To 15', Add	1.15	
	For Elevated Installation >15' To 20', Add	2.30	
	For Elevated Installation >20' To 25', Add	2.88	
	For Elevated Installation >25' To 30', Add	4.03	
	For Elevated Installation >30' To 35', Add	4.61	
	For Elevated Installation >35' To 40', Add	5.76	
	For Elevated Installation >40', Add	6.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.46	
26 05 33 13-0176	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.49	6.40
	For Work In Restricted Working Space, Add	3.84	
	For Elevated Installation >10' To 15', Add	1.28	
	For Elevated Installation >15' To 20', Add	2.56	
	For Elevated Installation >20' To 25', Add	3.20	
	For Elevated Installation >25' To 30', Add	4.48	
	For Elevated Installation >30' To 35', Add	5.12	
	For Elevated Installation >35' To 40', Add	6.41	
	For Elevated Installation >40', Add	7.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 05 33 13-0177	EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.93	8.00
	For Work In Restricted Working Space, Add	4.80	
	For Elevated Installation >10' To 15', Add	1.60	
	For Elevated Installation >15' To 20', Add	3.20	
	For Elevated Installation >20' To 25', Add	4.00	
	For Elevated Installation >25' To 30', Add	5.60	
	For Elevated Installation >30' To 35', Add	6.40	
	For Elevated Installation >35' To 40', Add	8.00	
	For Elevated Installation >40', Add	8.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-0178	EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	20.93	9.61
	For Work In Restricted Working Space, Add	5.76	
	For Elevated Installation >10' To 15', Add	1.92	
	For Elevated Installation >15' To 20', Add	3.84	
	For Elevated Installation >20' To 25', Add	4.80	
	For Elevated Installation >25' To 30', Add	6.72	
	For Elevated Installation >30' To 35', Add	7.68	
	For Elevated Installation >35' To 40', Add	9.60	
	For Elevated Installation >40', Add	10.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.76	
26 05 33 13-0179	EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.22	11.20
	For Work In Restricted Working Space, Add	6.72	
	For Elevated Installation >10' To 15', Add	2.24	
	For Elevated Installation >15' To 20', Add	4.48	
	For Elevated Installation >20' To 25', Add	5.60	
	For Elevated Installation >25' To 30', Add	7.84	
	For Elevated Installation >30' To 35', Add	8.96	
	For Elevated Installation >35' To 40', Add	11.20	
	For Elevated Installation >40', Add	12.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	29.63	12.81
For Work In Restricted Working Space, Add	7.68	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.96	
For Elevated Installation >30' To 35', Add	10.24	
For Elevated Installation >35' To 40', Add	12.81	
For Elevated Installation >40', Add	14.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.68	
26 05 33 13-0181 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	34.40	12.05
For Work In Restricted Working Space, Add	8.64	
For Elevated Installation >10' To 15', Add	2.88	
For Elevated Installation >15' To 20', Add	5.76	
For Elevated Installation >20' To 25', Add	7.20	
For Elevated Installation >25' To 30', Add	10.08	
For Elevated Installation >30' To 35', Add	11.52	
For Elevated Installation >35' To 40', Add	14.41	
For Elevated Installation >40', Add	15.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 05 33 13-0182 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.17	16.00
For Work In Restricted Working Space, Add	9.60	
For Elevated Installation >10' To 15', Add	3.20	
For Elevated Installation >15' To 20', Add	6.40	
For Elevated Installation >20' To 25', Add	8.00	
For Elevated Installation >25' To 30', Add	11.20	
For Elevated Installation >30' To 35', Add	12.80	
For Elevated Installation >35' To 40', Add	16.01	
For Elevated Installation >40', Add	17.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.60	
26 05 33 13-0183 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	45.70	17.61
For Work In Restricted Working Space, Add	10.56	
For Elevated Installation >10' To 15', Add	3.52	
For Elevated Installation >15' To 20', Add	7.04	
For Elevated Installation >20' To 25', Add	8.80	
For Elevated Installation >25' To 30', Add	12.32	
For Elevated Installation >30' To 35', Add	14.08	
For Elevated Installation >35' To 40', Add	17.61	
For Elevated Installation >40', Add	19.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 05 33 13-0184 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	64.98	19.20
For Work In Restricted Working Space, Add	11.52	
For Elevated Installation >10' To 15', Add	3.84	
For Elevated Installation >15' To 20', Add	7.68	
For Elevated Installation >20' To 25', Add	9.60	
For Elevated Installation >25' To 30', Add	13.44	
For Elevated Installation >30' To 35', Add	15.36	
For Elevated Installation >35' To 40', Add	19.21	
For Elevated Installation >40', Add	21.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.52	
26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0059)</small>	11.87	5.65
26 05 33 13-0186 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	3.39	5.65
For Work In Restricted Working Space, Add	1.13	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	2.82	
For Elevated Installation >20' To 25', Add	3.95	
For Elevated Installation >25' To 30', Add	4.52	
For Elevated Installation >30' To 35', Add	5.65	
For Elevated Installation >35' To 40', Add	6.21	
For Elevated Installation >40', Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-0187 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	12.90	6.02
For Work In Restricted Working Space, Add	3.62	
For Elevated Installation >10' To 15', Add	1.21	
For Elevated Installation >15' To 20', Add	2.41	
For Elevated Installation >20' To 25', Add	3.01	
For Elevated Installation >25' To 30', Add	4.22	
For Elevated Installation >30' To 35', Add	4.82	
For Elevated Installation >35' To 40', Add	6.03	
For Elevated Installation >40', Add	6.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-0188 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	15.04	6.78
For Work In Restricted Working Space, Add	4.07	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.71	
For Elevated Installation >20' To 25', Add	3.39	
For Elevated Installation >25' To 30', Add	4.75	
For Elevated Installation >30' To 35', Add	5.42	
For Elevated Installation >35' To 40', Add	6.78	
For Elevated Installation >40', Add	7.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	16.90	7.53
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	21.53	9.42
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing.....	25.50	11.29
		<i>For Work In Restricted Working Space, Add</i>	6.78	
		<i>For Elevated Installation >10' To 15', Add</i>	2.26	
		<i>For Elevated Installation >15' To 20', Add</i>	4.52	
		<i>For Elevated Installation >20' To 25', Add</i>	5.65	
		<i>For Elevated Installation >25' To 30', Add</i>	7.91	
		<i>For Elevated Installation >30' To 35', Add</i>	9.04	
		<i>For Elevated Installation >35' To 40', Add</i>	11.30	
		<i>For Elevated Installation >40', Add</i>	12.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.78	
26 05 33 13-0192	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	35.49	13.18
		<i>For Work In Restricted Working Space, Add</i>	7.91	
		<i>For Elevated Installation >10' To 15', Add</i>	2.64	
		<i>For Elevated Installation >15' To 20', Add</i>	5.27	
		<i>For Elevated Installation >20' To 25', Add</i>	6.59	
		<i>For Elevated Installation >25' To 30', Add</i>	9.23	
		<i>For Elevated Installation >30' To 35', Add</i>	10.54	
		<i>For Elevated Installation >35' To 40', Add</i>	13.18	
		<i>For Elevated Installation >40', Add</i>	14.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-0193	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing.....	42.11	15.07
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For Elevated Installation >10' To 15', Add</i>	3.01	
		<i>For Elevated Installation >15' To 20', Add</i>	6.02	
		<i>For Elevated Installation >20' To 25', Add</i>	7.53	
		<i>For Elevated Installation >25' To 30', Add</i>	10.54	
		<i>For Elevated Installation >30' To 35', Add</i>	12.05	
		<i>For Elevated Installation >35' To 40', Add</i>	15.06	
		<i>For Elevated Installation >40', Add</i>	16.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 05 33 13-0194	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	61.88	16.94
		<i>For Work In Restricted Working Space, Add</i>	10.17	
		<i>For Elevated Installation >10' To 15', Add</i>	3.39	
		<i>For Elevated Installation >15' To 20', Add</i>	6.78	
		<i>For Elevated Installation >20' To 25', Add</i>	8.47	
		<i>For Elevated Installation >25' To 30', Add</i>	11.86	
		<i>For Elevated Installation >30' To 35', Add</i>	13.56	
		<i>For Elevated Installation >35' To 40', Add</i>	16.95	
		<i>For Elevated Installation >40', Add</i>	18.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.17	
26 05 33 13-0195	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing.....	83.05	18.83
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing.....	110.27	20.71
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing.....	161.39	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)			
26 05 33 13-0199	EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	12.56	5.65
	For Work In Restricted Working Space, Add	3.39	
	For Elevated Installation >10' To 15', Add	1.13	
	For Elevated Installation >15' To 20', Add	2.26	
	For Elevated Installation >20' To 25', Add	2.82	
	For Elevated Installation >25' To 30', Add	3.95	
	For Elevated Installation >30' To 35', Add	4.52	
	For Elevated Installation >35' To 40', Add	5.65	
	For Elevated Installation >40', Add	6.21	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-0200	EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	13.94	6.02
	For Work In Restricted Working Space, Add	3.62	
	For Elevated Installation >10' To 15', Add	1.21	
	For Elevated Installation >15' To 20', Add	2.41	
	For Elevated Installation >20' To 25', Add	3.01	
	For Elevated Installation >25' To 30', Add	4.22	
	For Elevated Installation >30' To 35', Add	4.82	
	For Elevated Installation >35' To 40', Add	6.03	
	For Elevated Installation >40', Add	6.63	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-0201	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.35	6.78
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.75	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-0202	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.11	7.53
	For Work In Restricted Working Space, Add	4.52	
	For Elevated Installation >10' To 15', Add	1.51	
	For Elevated Installation >15' To 20', Add	3.01	
	For Elevated Installation >20' To 25', Add	3.77	
	For Elevated Installation >25' To 30', Add	5.27	
	For Elevated Installation >30' To 35', Add	6.03	
	For Elevated Installation >35' To 40', Add	7.54	
	For Elevated Installation >40', Add	8.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0203	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.83	9.42
	For Work In Restricted Working Space, Add	5.65	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.77	
	For Elevated Installation >20' To 25', Add	4.71	
	For Elevated Installation >25' To 30', Add	6.59	
	For Elevated Installation >30' To 35', Add	7.53	
	For Elevated Installation >35' To 40', Add	9.42	
	For Elevated Installation >40', Add	10.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	
26 05 33 13-0204	EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	29.58	11.29
	For Work In Restricted Working Space, Add	6.78	
	For Elevated Installation >10' To 15', Add	2.26	
	For Elevated Installation >15' To 20', Add	4.52	
	For Elevated Installation >20' To 25', Add	5.65	
	For Elevated Installation >25' To 30', Add	7.91	
	For Elevated Installation >30' To 35', Add	9.04	
	For Elevated Installation >35' To 40', Add	11.30	
	For Elevated Installation >40', Add	12.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	
26 05 33 13-0205	EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	41.02	13.18
	For Work In Restricted Working Space, Add	7.91	
	For Elevated Installation >10' To 15', Add	2.64	
	For Elevated Installation >15' To 20', Add	5.27	
	For Elevated Installation >20' To 25', Add	6.59	
	For Elevated Installation >25' To 30', Add	9.23	
	For Elevated Installation >30' To 35', Add	10.54	
	For Elevated Installation >35' To 40', Add	13.18	
	For Elevated Installation >40', Add	14.50	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91	
26 05 33 13-0206	EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	48.58	15.07
	For Work In Restricted Working Space, Add	9.04	
	For Elevated Installation >10' To 15', Add	3.01	
	For Elevated Installation >15' To 20', Add	6.02	
	For Elevated Installation >20' To 25', Add	7.53	
	For Elevated Installation >25' To 30', Add	10.54	
	For Elevated Installation >30' To 35', Add	12.05	
	For Elevated Installation >35' To 40', Add	15.06	
	For Elevated Installation >40', Add	16.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0207	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	63.08	16.94
	For Work In Restricted Working Space, Add	10.17	
	For Elevated Installation >10' To 15', Add	3.39	
	For Elevated Installation >15' To 20', Add	6.78	
	For Elevated Installation >20' To 25', Add	8.47	
	For Elevated Installation >25' To 30', Add	11.86	
	For Elevated Installation >30' To 35', Add	13.56	
	For Elevated Installation >35' To 40', Add	16.95	
	For Elevated Installation >40', Add	18.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	88.45	18.83
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	116.15	20.71
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-0210	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	163.46	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)				
26 05 33 13-0212	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	18.69	6.78
		<i>For Work In Restricted Working Space, Add</i>	4.07	
		<i>For Elevated Installation >10' To 15', Add</i>	1.36	
		<i>For Elevated Installation >15' To 20', Add</i>	2.71	
		<i>For Elevated Installation >20' To 25', Add</i>	3.39	
		<i>For Elevated Installation >25' To 30', Add</i>	4.75	
		<i>For Elevated Installation >30' To 35', Add</i>	5.42	
		<i>For Elevated Installation >35' To 40', Add</i>	6.78	
		<i>For Elevated Installation >40', Add</i>	7.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0213	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	20.93	7.53
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0214	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	23.87	8.28
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Elevated Installation >10' To 15', Add</i>	1.66	
		<i>For Elevated Installation >15' To 20', Add</i>	3.31	
		<i>For Elevated Installation >20' To 25', Add</i>	4.14	
		<i>For Elevated Installation >25' To 30', Add</i>	5.80	
		<i>For Elevated Installation >30' To 35', Add</i>	6.63	
		<i>For Elevated Installation >35' To 40', Add</i>	8.29	
		<i>For Elevated Installation >40', Add</i>	9.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0215	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	28.28	9.42
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0216	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	34.25	11.67
		<i>For Work In Restricted Working Space, Add</i>	7.01	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.67	
		<i>For Elevated Installation >20' To 25', Add</i>	5.84	
		<i>For Elevated Installation >25' To 30', Add</i>	8.17	
		<i>For Elevated Installation >30' To 35', Add</i>	9.34	
		<i>For Elevated Installation >35' To 40', Add</i>	11.68	
		<i>For Elevated Installation >40', Add</i>	12.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0217	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	43.01	13.93
			For Work In Restricted Working Space, Add	8.36	
			For Elevated Installation >10' To 15', Add	2.79	
			For Elevated Installation >15' To 20', Add	5.57	
			For Elevated Installation >20' To 25', Add	6.97	
			For Elevated Installation >25' To 30', Add	9.75	
			For Elevated Installation >30' To 35', Add	11.14	
			For Elevated Installation >35' To 40', Add	13.93	
			For Elevated Installation >40', Add	15.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.36	
26 05 33 13-0218	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	57.12	16.19
			For Work In Restricted Working Space, Add	9.71	
			For Elevated Installation >10' To 15', Add	3.24	
			For Elevated Installation >15' To 20', Add	6.48	
			For Elevated Installation >20' To 25', Add	8.10	
			For Elevated Installation >25' To 30', Add	11.33	
			For Elevated Installation >30' To 35', Add	12.95	
			For Elevated Installation >35' To 40', Add	16.19	
			For Elevated Installation >40', Add	17.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.71	
26 05 33 13-0219	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	63.19	18.83
			For Work In Restricted Working Space, Add	11.30	
			For Elevated Installation >10' To 15', Add	3.77	
			For Elevated Installation >15' To 20', Add	7.53	
			For Elevated Installation >20' To 25', Add	9.42	
			For Elevated Installation >25' To 30', Add	13.18	
			For Elevated Installation >30' To 35', Add	15.06	
			For Elevated Installation >35' To 40', Add	18.83	
			For Elevated Installation >40', Add	20.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.30	
26 05 33 13-0220	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	71.42	21.09
			For Work In Restricted Working Space, Add	12.65	
			For Elevated Installation >10' To 15', Add	4.22	
			For Elevated Installation >15' To 20', Add	8.44	
			For Elevated Installation >20' To 25', Add	10.55	
			For Elevated Installation >25' To 30', Add	14.76	
			For Elevated Installation >30' To 35', Add	16.87	
			For Elevated Installation >35' To 40', Add	21.09	
			For Elevated Installation >40', Add	23.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 33 13-0221	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	91.44	23.35
			For Work In Restricted Working Space, Add	14.01	
			For Elevated Installation >10' To 15', Add	4.67	
			For Elevated Installation >15' To 20', Add	9.34	
			For Elevated Installation >20' To 25', Add	11.67	
			For Elevated Installation >25' To 30', Add	16.34	
			For Elevated Installation >30' To 35', Add	18.68	
			For Elevated Installation >35' To 40', Add	23.35	
			For Elevated Installation >40', Add	25.68	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.01	
26 05 33 13-0222	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	128.24	25.61
			For Work In Restricted Working Space, Add	15.36	
			For Elevated Installation >10' To 15', Add	5.12	
			For Elevated Installation >15' To 20', Add	10.24	
			For Elevated Installation >20' To 25', Add	12.80	
			For Elevated Installation >25' To 30', Add	17.92	
			For Elevated Installation >30' To 35', Add	20.48	
			For Elevated Installation >35' To 40', Add	25.61	
			For Elevated Installation >40', Add	28.17	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.36	
26 05 33 13-0223	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	175.22	28.25
			For Work In Restricted Working Space, Add	16.94	
			For Elevated Installation >10' To 15', Add	5.65	
			For Elevated Installation >15' To 20', Add	11.30	
			For Elevated Installation >20' To 25', Add	14.12	
			For Elevated Installation >25' To 30', Add	19.77	
			For Elevated Installation >30' To 35', Add	22.59	
			For Elevated Installation >35' To 40', Add	28.24	
			For Elevated Installation >40', Add	31.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.94	
26 05 33 13-0224			Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0059)</small>		
26 05 33 13-0225	EA		1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	12.42	3.46
			For Work In Restricted Working Space, Add	2.58	
			For Elevated Installation >10' To 15', Add	0.86	
			For Elevated Installation >15' To 20', Add	1.72	
			For Elevated Installation >20' To 25', Add	2.15	
			For Elevated Installation >25' To 30', Add	3.01	
			For Elevated Installation >30' To 35', Add	3.44	
			For Elevated Installation >35' To 40', Add	4.30	
			For Elevated Installation >40', Add	4.72	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.58	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	15.27	3.99
			<i>For Work In Restricted Working Space, Add</i>	2.99	
			<i>For Elevated Installation >10' To 15', Add</i>	1.00	
			<i>For Elevated Installation >15' To 20', Add</i>	1.99	
			<i>For Elevated Installation >20' To 25', Add</i>	2.49	
			<i>For Elevated Installation >25' To 30', Add</i>	3.48	
			<i>For Elevated Installation >30' To 35', Add</i>	3.98	
			<i>For Elevated Installation >35' To 40', Add</i>	4.98	
			<i>For Elevated Installation >40', Add</i>	5.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.99	
26 05 33	13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	20.47	4.82
			<i>For Work In Restricted Working Space, Add</i>	3.60	
			<i>For Elevated Installation >10' To 15', Add</i>	1.20	
			<i>For Elevated Installation >15' To 20', Add</i>	2.40	
			<i>For Elevated Installation >20' To 25', Add</i>	3.00	
			<i>For Elevated Installation >25' To 30', Add</i>	4.20	
			<i>For Elevated Installation >30' To 35', Add</i>	4.80	
			<i>For Elevated Installation >35' To 40', Add</i>	6.00	
			<i>For Elevated Installation >40', Add</i>	6.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.60	
26 05 33	13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	31.55	5.95
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Elevated Installation >10' To 15', Add</i>	1.49	
			<i>For Elevated Installation >15' To 20', Add</i>	2.99	
			<i>For Elevated Installation >20' To 25', Add</i>	3.73	
			<i>For Elevated Installation >25' To 30', Add</i>	5.23	
			<i>For Elevated Installation >30' To 35', Add</i>	5.97	
			<i>For Elevated Installation >35' To 40', Add</i>	7.47	
			<i>For Elevated Installation >40', Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 05 33	13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	42.80	7.98
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Elevated Installation >10' To 15', Add</i>	2.00	
			<i>For Elevated Installation >15' To 20', Add</i>	3.99	
			<i>For Elevated Installation >20' To 25', Add</i>	4.99	
			<i>For Elevated Installation >25' To 30', Add</i>	6.99	
			<i>For Elevated Installation >30' To 35', Add</i>	7.99	
			<i>For Elevated Installation >35' To 40', Add</i>	9.99	
			<i>For Elevated Installation >40', Add</i>	10.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.99	
26 05 33	13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	74.68	11.97
			<i>For Work In Restricted Working Space, Add</i>	8.98	
			<i>For Elevated Installation >10' To 15', Add</i>	2.99	
			<i>For Elevated Installation >15' To 20', Add</i>	5.98	
			<i>For Elevated Installation >20' To 25', Add</i>	7.48	
			<i>For Elevated Installation >25' To 30', Add</i>	10.47	
			<i>For Elevated Installation >30' To 35', Add</i>	11.97	
			<i>For Elevated Installation >35' To 40', Add</i>	14.96	
			<i>For Elevated Installation >40', Add</i>	16.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.98	
26 05 33	13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	143.89	13.26
			<i>For Work In Restricted Working Space, Add</i>	9.94	
			<i>For Elevated Installation >10' To 15', Add</i>	3.31	
			<i>For Elevated Installation >15' To 20', Add</i>	6.63	
			<i>For Elevated Installation >20' To 25', Add</i>	8.28	
			<i>For Elevated Installation >25' To 30', Add</i>	11.60	
			<i>For Elevated Installation >30' To 35', Add</i>	13.25	
			<i>For Elevated Installation >35' To 40', Add</i>	16.57	
			<i>For Elevated Installation >40', Add</i>	18.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33	13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	171.24	16.04
			<i>For Work In Restricted Working Space, Add</i>	12.04	
			<i>For Elevated Installation >10' To 15', Add</i>	4.01	
			<i>For Elevated Installation >15' To 20', Add</i>	8.03	
			<i>For Elevated Installation >20' To 25', Add</i>	10.04	
			<i>For Elevated Installation >25' To 30', Add</i>	14.05	
			<i>For Elevated Installation >30' To 35', Add</i>	16.06	
			<i>For Elevated Installation >35' To 40', Add</i>	20.07	
			<i>For Elevated Installation >40', Add</i>	22.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.04	
26 05 33	13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	233.34	20.11
			<i>For Work In Restricted Working Space, Add</i>	15.08	
			<i>For Elevated Installation >10' To 15', Add</i>	5.03	
			<i>For Elevated Installation >15' To 20', Add</i>	10.05	
			<i>For Elevated Installation >20' To 25', Add</i>	12.56	
			<i>For Elevated Installation >25' To 30', Add</i>	17.59	
			<i>For Elevated Installation >30' To 35', Add</i>	20.10	
			<i>For Elevated Installation >35' To 40', Add</i>	25.13	
			<i>For Elevated Installation >40', Add</i>	27.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33	13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	272.73	24.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.09	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.13	
			<i>For Elevated Installation >40', Add</i>	33.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235	EA		5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	496.42	26.81
			<i>For Work In Restricted Working Space, Add</i>	20.09	
			<i>For Elevated Installation >10' To 15', Add</i>	6.70	
			<i>For Elevated Installation >15' To 20', Add</i>	13.39	
			<i>For Elevated Installation >20' To 25', Add</i>	16.74	
			<i>For Elevated Installation >25' To 30', Add</i>	23.43	
			<i>For Elevated Installation >30' To 35', Add</i>	26.78	
			<i>For Elevated Installation >35' To 40', Add</i>	33.48	
			<i>For Elevated Installation >40', Add</i>	36.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.09	
26 05 33 13-0236	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	595.19	30.12
			<i>For Work In Restricted Working Space, Add</i>	22.59	
			<i>For Elevated Installation >10' To 15', Add</i>	7.53	
			<i>For Elevated Installation >15' To 20', Add</i>	15.06	
			<i>For Elevated Installation >20' To 25', Add</i>	18.83	
			<i>For Elevated Installation >25' To 30', Add</i>	26.36	
			<i>For Elevated Installation >30' To 35', Add</i>	30.12	
			<i>For Elevated Installation >35' To 40', Add</i>	37.65	
			<i>For Elevated Installation >40', Add</i>	41.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0059)</small>					
26 05 33 13-0238	EA		1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	10.84	4.90
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Elevated Installation >10' To 15', Add</i>	0.98	
			<i>For Elevated Installation >15' To 20', Add</i>	1.96	
			<i>For Elevated Installation >20' To 25', Add</i>	2.45	
			<i>For Elevated Installation >25' To 30', Add</i>	3.43	
			<i>For Elevated Installation >30' To 35', Add</i>	3.92	
			<i>For Elevated Installation >35' To 40', Add</i>	4.90	
			<i>For Elevated Installation >40', Add</i>	5.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-0239	EA		3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.47	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.13	
			<i>For Elevated Installation >15' To 20', Add</i>	2.26	
			<i>For Elevated Installation >20' To 25', Add</i>	2.82	
			<i>For Elevated Installation >25' To 30', Add</i>	3.95	
			<i>For Elevated Installation >30' To 35', Add</i>	4.52	
			<i>For Elevated Installation >35' To 40', Add</i>	5.65	
			<i>For Elevated Installation >40', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-0240	EA		1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.96	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0241	EA		1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.66	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0242	EA		1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.31	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0243	EA		1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	10.92	4.90
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Elevated Installation >10' To 15', Add</i>	0.98	
			<i>For Elevated Installation >15' To 20', Add</i>	1.96	
			<i>For Elevated Installation >20' To 25', Add</i>	2.45	
			<i>For Elevated Installation >25' To 30', Add</i>	3.43	
			<i>For Elevated Installation >30' To 35', Add</i>	3.92	
			<i>For Elevated Installation >35' To 40', Add</i>	4.90	
			<i>For Elevated Installation >40', Add</i>	5.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0244	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	12.60	5.65
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.82	
		<i>For Elevated Installation >25' To 30', Add</i>	3.95	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-0245	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.10	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0246	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.86	8.28
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Elevated Installation >10' To 15', Add</i>	1.66	
		<i>For Elevated Installation >15' To 20', Add</i>	3.31	
		<i>For Elevated Installation >20' To 25', Add</i>	4.14	
		<i>For Elevated Installation >25' To 30', Add</i>	5.80	
		<i>For Elevated Installation >30' To 35', Add</i>	6.63	
		<i>For Elevated Installation >35' To 40', Add</i>	8.29	
		<i>For Elevated Installation >40', Add</i>	9.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0247	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.63	9.42
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0248	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.47	10.54
		<i>For Work In Restricted Working Space, Add</i>	6.33	
		<i>For Elevated Installation >10' To 15', Add</i>	2.11	
		<i>For Elevated Installation >15' To 20', Add</i>	4.22	
		<i>For Elevated Installation >20' To 25', Add</i>	5.27	
		<i>For Elevated Installation >25' To 30', Add</i>	7.38	
		<i>For Elevated Installation >30' To 35', Add</i>	8.44	
		<i>For Elevated Installation >35' To 40', Add</i>	10.55	
		<i>For Elevated Installation >40', Add</i>	11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	11.01	4.90
		<i>For Work In Restricted Working Space, Add</i>	2.94	
		<i>For Elevated Installation >10' To 15', Add</i>	0.98	
		<i>For Elevated Installation >15' To 20', Add</i>	1.96	
		<i>For Elevated Installation >20' To 25', Add</i>	2.45	
		<i>For Elevated Installation >25' To 30', Add</i>	3.43	
		<i>For Elevated Installation >30' To 35', Add</i>	3.92	
		<i>For Elevated Installation >35' To 40', Add</i>	4.90	
		<i>For Elevated Installation >40', Add</i>	5.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	12.72	5.65
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.82	
		<i>For Elevated Installation >25' To 30', Add</i>	3.95	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	16.31	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	19.04	8.28
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Elevated Installation >10' To 15', Add</i>	1.66	
		<i>For Elevated Installation >15' To 20', Add</i>	3.31	
		<i>For Elevated Installation >20' To 25', Add</i>	4.14	
		<i>For Elevated Installation >25' To 30', Add</i>	5.80	
		<i>For Elevated Installation >30' To 35', Add</i>	6.63	
		<i>For Elevated Installation >35' To 40', Add</i>	8.29	
		<i>For Elevated Installation >40', Add</i>	9.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.85	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33	13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.00	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.33	
			<i>For Elevated Installation >10' To 15', Add</i>	2.11	
			<i>For Elevated Installation >15' To 20', Add</i>	4.22	
			<i>For Elevated Installation >20' To 25', Add</i>	5.27	
			<i>For Elevated Installation >25' To 30', Add</i>	7.38	
			<i>For Elevated Installation >30' To 35', Add</i>	8.44	
			<i>For Elevated Installation >35' To 40', Add</i>	10.55	
			<i>For Elevated Installation >40', Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33	13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.69	12.81
			<i>For Work In Restricted Working Space, Add</i>	7.68	
			<i>For Elevated Installation >10' To 15', Add</i>	2.56	
			<i>For Elevated Installation >15' To 20', Add</i>	5.12	
			<i>For Elevated Installation >20' To 25', Add</i>	6.40	
			<i>For Elevated Installation >25' To 30', Add</i>	8.96	
			<i>For Elevated Installation >30' To 35', Add</i>	10.24	
			<i>For Elevated Installation >35' To 40', Add</i>	12.81	
			<i>For Elevated Installation >40', Add</i>	14.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33	13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	45.32	17.70
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Elevated Installation >10' To 15', Add</i>	3.54	
			<i>For Elevated Installation >15' To 20', Add</i>	7.08	
			<i>For Elevated Installation >20' To 25', Add</i>	8.85	
			<i>For Elevated Installation >25' To 30', Add</i>	12.39	
			<i>For Elevated Installation >30' To 35', Add</i>	14.16	
			<i>For Elevated Installation >35' To 40', Add</i>	17.70	
			<i>For Elevated Installation >40', Add</i>	19.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33	13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	11.13	4.90
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Elevated Installation >10' To 15', Add</i>	0.98	
			<i>For Elevated Installation >15' To 20', Add</i>	1.96	
			<i>For Elevated Installation >20' To 25', Add</i>	2.45	
			<i>For Elevated Installation >25' To 30', Add</i>	3.43	
			<i>For Elevated Installation >30' To 35', Add</i>	3.92	
			<i>For Elevated Installation >35' To 40', Add</i>	4.90	
			<i>For Elevated Installation >40', Add</i>	5.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.78	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.13	
			<i>For Elevated Installation >15' To 20', Add</i>	2.26	
			<i>For Elevated Installation >20' To 25', Add</i>	2.82	
			<i>For Elevated Installation >25' To 30', Add</i>	3.95	
			<i>For Elevated Installation >30' To 35', Add</i>	4.52	
			<i>For Elevated Installation >35' To 40', Add</i>	5.65	
			<i>For Elevated Installation >40', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33	13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.57	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33	13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.38	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33	13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.29	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	.....	25.55	10.54
		<i>For Work In Restricted Working Space, Add</i>		6.33	
		<i>For Elevated Installation >10' To 15', Add</i>		2.11	
		<i>For Elevated Installation >15' To 20', Add</i>		4.22	
		<i>For Elevated Installation >20' To 25', Add</i>		5.27	
		<i>For Elevated Installation >25' To 30', Add</i>		7.38	
		<i>For Elevated Installation >30' To 35', Add</i>		8.44	
		<i>For Elevated Installation >35' To 40', Add</i>		10.55	
		<i>For Elevated Installation >40', Add</i>		11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	35.16	12.81
		<i>For Work In Restricted Working Space, Add</i>		7.68	
		<i>For Elevated Installation >10' To 15', Add</i>		2.56	
		<i>For Elevated Installation >15' To 20', Add</i>		5.12	
		<i>For Elevated Installation >20' To 25', Add</i>		6.40	
		<i>For Elevated Installation >25' To 30', Add</i>		8.96	
		<i>For Elevated Installation >30' To 35', Add</i>		10.24	
		<i>For Elevated Installation >35' To 40', Add</i>		12.81	
		<i>For Elevated Installation >40', Add</i>		14.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	46.60	17.70
		<i>For Work In Restricted Working Space, Add</i>		10.62	
		<i>For Elevated Installation >10' To 15', Add</i>		3.54	
		<i>For Elevated Installation >15' To 20', Add</i>		7.08	
		<i>For Elevated Installation >20' To 25', Add</i>		8.85	
		<i>For Elevated Installation >25' To 30', Add</i>		12.39	
		<i>For Elevated Installation >30' To 35', Add</i>		14.16	
		<i>For Elevated Installation >35' To 40', Add</i>		17.70	
		<i>For Elevated Installation >40', Add</i>		19.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	
26 05 33 13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	11.24	4.90
		<i>For Work In Restricted Working Space, Add</i>		2.94	
		<i>For Elevated Installation >10' To 15', Add</i>		0.98	
		<i>For Elevated Installation >15' To 20', Add</i>		1.96	
		<i>For Elevated Installation >20' To 25', Add</i>		2.45	
		<i>For Elevated Installation >25' To 30', Add</i>		3.43	
		<i>For Elevated Installation >30' To 35', Add</i>		3.92	
		<i>For Elevated Installation >35' To 40', Add</i>		4.90	
		<i>For Elevated Installation >40', Add</i>		5.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.94	
26 05 33 13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	12.98	5.65
		<i>For Work In Restricted Working Space, Add</i>		3.39	
		<i>For Elevated Installation >10' To 15', Add</i>		1.13	
		<i>For Elevated Installation >15' To 20', Add</i>		2.26	
		<i>For Elevated Installation >20' To 25', Add</i>		2.82	
		<i>For Elevated Installation >25' To 30', Add</i>		3.95	
		<i>For Elevated Installation >30' To 35', Add</i>		4.52	
		<i>For Elevated Installation >35' To 40', Add</i>		5.65	
		<i>For Elevated Installation >40', Add</i>		6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.39	
26 05 33 13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	16.74	7.16
		<i>For Work In Restricted Working Space, Add</i>		4.29	
		<i>For Elevated Installation >10' To 15', Add</i>		1.43	
		<i>For Elevated Installation >15' To 20', Add</i>		2.86	
		<i>For Elevated Installation >20' To 25', Add</i>		3.58	
		<i>For Elevated Installation >25' To 30', Add</i>		5.01	
		<i>For Elevated Installation >30' To 35', Add</i>		5.72	
		<i>For Elevated Installation >35' To 40', Add</i>		7.16	
		<i>For Elevated Installation >40', Add</i>		7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	19.55	8.28
		<i>For Work In Restricted Working Space, Add</i>		4.97	
		<i>For Elevated Installation >10' To 15', Add</i>		1.66	
		<i>For Elevated Installation >15' To 20', Add</i>		3.31	
		<i>For Elevated Installation >20' To 25', Add</i>		4.14	
		<i>For Elevated Installation >25' To 30', Add</i>		5.80	
		<i>For Elevated Installation >30' To 35', Add</i>		6.63	
		<i>For Elevated Installation >35' To 40', Add</i>		8.29	
		<i>For Elevated Installation >40', Add</i>		9.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.97	
26 05 33 13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.60	9.42
		<i>For Work In Restricted Working Space, Add</i>		5.65	
		<i>For Elevated Installation >10' To 15', Add</i>		1.88	
		<i>For Elevated Installation >15' To 20', Add</i>		3.77	
		<i>For Elevated Installation >20' To 25', Add</i>		4.71	
		<i>For Elevated Installation >25' To 30', Add</i>		6.59	
		<i>For Elevated Installation >30' To 35', Add</i>		7.53	
		<i>For Elevated Installation >35' To 40', Add</i>		9.42	
		<i>For Elevated Installation >40', Add</i>		10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.01	10.54
		<i>For Work In Restricted Working Space, Add</i>		6.33	
		<i>For Elevated Installation >10' To 15', Add</i>		2.11	
		<i>For Elevated Installation >15' To 20', Add</i>		4.22	
		<i>For Elevated Installation >20' To 25', Add</i>		5.27	
		<i>For Elevated Installation >25' To 30', Add</i>		7.38	
		<i>For Elevated Installation >30' To 35', Add</i>		8.44	
		<i>For Elevated Installation >35' To 40', Add</i>		10.55	
		<i>For Elevated Installation >40', Add</i>		11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.61	12.81
			<i>For Work In Restricted Working Space, Add</i>	7.68	
			<i>For Elevated Installation >10' To 15', Add</i>	2.56	
			<i>For Elevated Installation >15' To 20', Add</i>	5.12	
			<i>For Elevated Installation >20' To 25', Add</i>	6.40	
			<i>For Elevated Installation >25' To 30', Add</i>	8.96	
			<i>For Elevated Installation >30' To 35', Add</i>	10.24	
			<i>For Elevated Installation >35' To 40', Add</i>	12.81	
			<i>For Elevated Installation >40', Add</i>	14.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33	13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	47.54	17.70
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Elevated Installation >10' To 15', Add</i>	3.54	
			<i>For Elevated Installation >15' To 20', Add</i>	7.08	
			<i>For Elevated Installation >20' To 25', Add</i>	8.85	
			<i>For Elevated Installation >25' To 30', Add</i>	12.39	
			<i>For Elevated Installation >30' To 35', Add</i>	14.16	
			<i>For Elevated Installation >35' To 40', Add</i>	17.70	
			<i>For Elevated Installation >40', Add</i>	19.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33	13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	54.70	19.95
			<i>For Work In Restricted Working Space, Add</i>	11.97	
			<i>For Elevated Installation >10' To 15', Add</i>	3.99	
			<i>For Elevated Installation >15' To 20', Add</i>	7.98	
			<i>For Elevated Installation >20' To 25', Add</i>	9.98	
			<i>For Elevated Installation >25' To 30', Add</i>	13.97	
			<i>For Elevated Installation >30' To 35', Add</i>	15.96	
			<i>For Elevated Installation >35' To 40', Add</i>	19.96	
			<i>For Elevated Installation >40', Add</i>	21.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33	13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	68.56	25.99
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For Elevated Installation >10' To 15', Add</i>	5.20	
			<i>For Elevated Installation >15' To 20', Add</i>	10.39	
			<i>For Elevated Installation >20' To 25', Add</i>	12.99	
			<i>For Elevated Installation >25' To 30', Add</i>	18.19	
			<i>For Elevated Installation >30' To 35', Add</i>	20.78	
			<i>For Elevated Installation >35' To 40', Add</i>	25.98	
			<i>For Elevated Installation >40', Add</i>	28.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33	13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	11.42	4.90
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Elevated Installation >10' To 15', Add</i>	0.98	
			<i>For Elevated Installation >15' To 20', Add</i>	1.96	
			<i>For Elevated Installation >20' To 25', Add</i>	2.45	
			<i>For Elevated Installation >25' To 30', Add</i>	3.43	
			<i>For Elevated Installation >30' To 35', Add</i>	3.92	
			<i>For Elevated Installation >35' To 40', Add</i>	4.90	
			<i>For Elevated Installation >40', Add</i>	5.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.24	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.13	
			<i>For Elevated Installation >15' To 20', Add</i>	2.26	
			<i>For Elevated Installation >20' To 25', Add</i>	2.82	
			<i>For Elevated Installation >25' To 30', Add</i>	3.95	
			<i>For Elevated Installation >30' To 35', Add</i>	4.52	
			<i>For Elevated Installation >35' To 40', Add</i>	5.65	
			<i>For Elevated Installation >40', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33	13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.06	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33	13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.02	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33	13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.06	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.83	10.54
		<i>For Work In Restricted Working Space, Add</i>		6.33	
		<i>For Elevated Installation >10' To 15', Add</i>		2.11	
		<i>For Elevated Installation >15' To 20', Add</i>		4.22	
		<i>For Elevated Installation >20' To 25', Add</i>		5.27	
		<i>For Elevated Installation >25' To 30', Add</i>		7.38	
		<i>For Elevated Installation >30' To 35', Add</i>		8.44	
		<i>For Elevated Installation >35' To 40', Add</i>		10.55	
		<i>For Elevated Installation >40', Add</i>		11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	37.43	12.81
		<i>For Work In Restricted Working Space, Add</i>		7.68	
		<i>For Elevated Installation >10' To 15', Add</i>		2.56	
		<i>For Elevated Installation >15' To 20', Add</i>		5.12	
		<i>For Elevated Installation >20' To 25', Add</i>		6.40	
		<i>For Elevated Installation >25' To 30', Add</i>		8.96	
		<i>For Elevated Installation >30' To 35', Add</i>		10.24	
		<i>For Elevated Installation >35' To 40', Add</i>		12.81	
		<i>For Elevated Installation >40', Add</i>		14.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	49.51	17.70
		<i>For Work In Restricted Working Space, Add</i>		10.62	
		<i>For Elevated Installation >10' To 15', Add</i>		3.54	
		<i>For Elevated Installation >15' To 20', Add</i>		7.08	
		<i>For Elevated Installation >20' To 25', Add</i>		8.85	
		<i>For Elevated Installation >25' To 30', Add</i>		12.39	
		<i>For Elevated Installation >30' To 35', Add</i>		14.16	
		<i>For Elevated Installation >35' To 40', Add</i>		17.70	
		<i>For Elevated Installation >40', Add</i>		19.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	
26 05 33 13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	56.66	19.95
		<i>For Work In Restricted Working Space, Add</i>		11.97	
		<i>For Elevated Installation >10' To 15', Add</i>		3.99	
		<i>For Elevated Installation >15' To 20', Add</i>		7.98	
		<i>For Elevated Installation >20' To 25', Add</i>		9.98	
		<i>For Elevated Installation >25' To 30', Add</i>		13.97	
		<i>For Elevated Installation >30' To 35', Add</i>		15.96	
		<i>For Elevated Installation >35' To 40', Add</i>		19.96	
		<i>For Elevated Installation >40', Add</i>		21.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.97	
26 05 33 13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	71.43	25.99
		<i>For Work In Restricted Working Space, Add</i>		15.59	
		<i>For Elevated Installation >10' To 15', Add</i>		5.20	
		<i>For Elevated Installation >15' To 20', Add</i>		10.39	
		<i>For Elevated Installation >20' To 25', Add</i>		12.99	
		<i>For Elevated Installation >25' To 30', Add</i>		18.19	
		<i>For Elevated Installation >30' To 35', Add</i>		20.78	
		<i>For Elevated Installation >35' To 40', Add</i>		25.98	
		<i>For Elevated Installation >40', Add</i>		28.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.59	
26 05 33 13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	109.34	35.77
		<i>For Work In Restricted Working Space, Add</i>		21.47	
		<i>For Elevated Installation >10' To 15', Add</i>		7.16	
		<i>For Elevated Installation >15' To 20', Add</i>		14.31	
		<i>For Elevated Installation >20' To 25', Add</i>		17.89	
		<i>For Elevated Installation >25' To 30', Add</i>		25.04	
		<i>For Elevated Installation >30' To 35', Add</i>		28.62	
		<i>For Elevated Installation >35' To 40', Add</i>		35.78	
		<i>For Elevated Installation >40', Add</i>		39.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		21.47	
26 05 33 13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	138.88	45.86
		<i>For Work In Restricted Working Space, Add</i>		27.54	
		<i>For Elevated Installation >10' To 15', Add</i>		9.18	
		<i>For Elevated Installation >15' To 20', Add</i>		18.36	
		<i>For Elevated Installation >20' To 25', Add</i>		22.95	
		<i>For Elevated Installation >25' To 30', Add</i>		32.13	
		<i>For Elevated Installation >30' To 35', Add</i>		36.72	
		<i>For Elevated Installation >35' To 40', Add</i>		45.90	
		<i>For Elevated Installation >40', Add</i>		50.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		27.54	
26 05 33 13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	.....	11.73	4.90
		<i>For Work In Restricted Working Space, Add</i>		2.94	
		<i>For Elevated Installation >10' To 15', Add</i>		0.98	
		<i>For Elevated Installation >15' To 20', Add</i>		1.96	
		<i>For Elevated Installation >20' To 25', Add</i>		2.45	
		<i>For Elevated Installation >25' To 30', Add</i>		3.43	
		<i>For Elevated Installation >30' To 35', Add</i>		3.92	
		<i>For Elevated Installation >35' To 40', Add</i>		4.90	
		<i>For Elevated Installation >40', Add</i>		5.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.94	
26 05 33 13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	.....	13.56	5.65
		<i>For Work In Restricted Working Space, Add</i>		3.39	
		<i>For Elevated Installation >10' To 15', Add</i>		1.13	
		<i>For Elevated Installation >15' To 20', Add</i>		2.26	
		<i>For Elevated Installation >20' To 25', Add</i>		2.82	
		<i>For Elevated Installation >25' To 30', Add</i>		3.95	
		<i>For Elevated Installation >30' To 35', Add</i>		4.52	
		<i>For Elevated Installation >35' To 40', Add</i>		5.65	
		<i>For Elevated Installation >40', Add</i>		6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.39	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0289	EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		17.32	7.16
	For Work In Restricted Working Space, Add		4.29	
	For Elevated Installation >10' To 15', Add		1.43	
	For Elevated Installation >15' To 20', Add		2.86	
	For Elevated Installation >20' To 25', Add		3.58	
	For Elevated Installation >25' To 30', Add		5.01	
	For Elevated Installation >30' To 35', Add		5.72	
	For Elevated Installation >35' To 40', Add		7.16	
	For Elevated Installation >40', Add		7.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.29	
26 05 33 13-0290	EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		20.45	8.28
	For Work In Restricted Working Space, Add		4.97	
	For Elevated Installation >10' To 15', Add		1.66	
	For Elevated Installation >15' To 20', Add		3.31	
	For Elevated Installation >20' To 25', Add		4.14	
	For Elevated Installation >25' To 30', Add		5.80	
	For Elevated Installation >30' To 35', Add		6.63	
	For Elevated Installation >35' To 40', Add		8.29	
	For Elevated Installation >40', Add		9.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.97	
26 05 33 13-0291	EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		24.03	9.42
	For Work In Restricted Working Space, Add		5.65	
	For Elevated Installation >10' To 15', Add		1.88	
	For Elevated Installation >15' To 20', Add		3.77	
	For Elevated Installation >20' To 25', Add		4.71	
	For Elevated Installation >25' To 30', Add		6.59	
	For Elevated Installation >30' To 35', Add		7.53	
	For Elevated Installation >35' To 40', Add		9.42	
	For Elevated Installation >40', Add		10.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.65	
26 05 33 13-0292	EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		27.65	10.54
	For Work In Restricted Working Space, Add		6.33	
	For Elevated Installation >10' To 15', Add		2.11	
	For Elevated Installation >15' To 20', Add		4.22	
	For Elevated Installation >20' To 25', Add		5.27	
	For Elevated Installation >25' To 30', Add		7.38	
	For Elevated Installation >30' To 35', Add		8.44	
	For Elevated Installation >35' To 40', Add		10.55	
	For Elevated Installation >40', Add		11.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.33	
26 05 33 13-0293	EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		39.03	12.81
	For Work In Restricted Working Space, Add		7.68	
	For Elevated Installation >10' To 15', Add		2.56	
	For Elevated Installation >15' To 20', Add		5.12	
	For Elevated Installation >20' To 25', Add		6.40	
	For Elevated Installation >25' To 30', Add		8.96	
	For Elevated Installation >30' To 35', Add		10.24	
	For Elevated Installation >35' To 40', Add		12.81	
	For Elevated Installation >40', Add		14.09	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.68	
26 05 33 13-0294	EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		51.52	17.70
	For Work In Restricted Working Space, Add		10.62	
	For Elevated Installation >10' To 15', Add		3.54	
	For Elevated Installation >15' To 20', Add		7.08	
	For Elevated Installation >20' To 25', Add		8.85	
	For Elevated Installation >25' To 30', Add		12.39	
	For Elevated Installation >30' To 35', Add		14.16	
	For Elevated Installation >35' To 40', Add		17.70	
	For Elevated Installation >40', Add		19.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		10.62	
26 05 33 13-0295	EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		59.05	19.95
	For Work In Restricted Working Space, Add		11.97	
	For Elevated Installation >10' To 15', Add		3.99	
	For Elevated Installation >15' To 20', Add		7.98	
	For Elevated Installation >20' To 25', Add		9.98	
	For Elevated Installation >25' To 30', Add		13.97	
	For Elevated Installation >30' To 35', Add		15.96	
	For Elevated Installation >35' To 40', Add		19.96	
	For Elevated Installation >40', Add		21.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		11.97	
26 05 33 13-0296	EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		73.70	25.99
	For Work In Restricted Working Space, Add		15.59	
	For Elevated Installation >10' To 15', Add		5.20	
	For Elevated Installation >15' To 20', Add		10.39	
	For Elevated Installation >20' To 25', Add		12.99	
	For Elevated Installation >25' To 30', Add		18.19	
	For Elevated Installation >30' To 35', Add		20.78	
	For Elevated Installation >35' To 40', Add		25.98	
	For Elevated Installation >40', Add		28.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		15.59	
26 05 33 13-0297	EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....		112.67	35.77
	For Work In Restricted Working Space, Add		21.47	
	For Elevated Installation >10' To 15', Add		7.16	
	For Elevated Installation >15' To 20', Add		14.31	
	For Elevated Installation >20' To 25', Add		17.89	
	For Elevated Installation >25' To 30', Add		25.04	
	For Elevated Installation >30' To 35', Add		28.62	
	For Elevated Installation >35' To 40', Add		35.78	
	For Elevated Installation >40', Add		39.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	.....	143.76	45.86
		<i>For Work In Restricted Working Space, Add</i>		27.54	
		<i>For Elevated Installation >10' To 15', Add</i>		9.18	
		<i>For Elevated Installation >15' To 20', Add</i>		18.36	
		<i>For Elevated Installation >20' To 25', Add</i>		22.95	
		<i>For Elevated Installation >25' To 30', Add</i>		32.13	
		<i>For Elevated Installation >30' To 35', Add</i>		36.72	
		<i>For Elevated Installation >35' To 40', Add</i>		45.90	
		<i>For Elevated Installation >40', Add</i>		50.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		27.54	
26 05 33 13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	12.89	4.90
		<i>For Work In Restricted Working Space, Add</i>		2.94	
		<i>For Elevated Installation >10' To 15', Add</i>		0.98	
		<i>For Elevated Installation >15' To 20', Add</i>		1.96	
		<i>For Elevated Installation >20' To 25', Add</i>		2.45	
		<i>For Elevated Installation >25' To 30', Add</i>		3.43	
		<i>For Elevated Installation >30' To 35', Add</i>		3.92	
		<i>For Elevated Installation >35' To 40', Add</i>		4.90	
		<i>For Elevated Installation >40', Add</i>		5.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.94	
26 05 33 13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	15.04	5.65
		<i>For Work In Restricted Working Space, Add</i>		3.39	
		<i>For Elevated Installation >10' To 15', Add</i>		1.13	
		<i>For Elevated Installation >15' To 20', Add</i>		2.26	
		<i>For Elevated Installation >20' To 25', Add</i>		2.82	
		<i>For Elevated Installation >25' To 30', Add</i>		3.95	
		<i>For Elevated Installation >30' To 35', Add</i>		4.52	
		<i>For Elevated Installation >35' To 40', Add</i>		5.65	
		<i>For Elevated Installation >40', Add</i>		6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.39	
26 05 33 13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	19.05	7.16
		<i>For Work In Restricted Working Space, Add</i>		4.29	
		<i>For Elevated Installation >10' To 15', Add</i>		1.43	
		<i>For Elevated Installation >15' To 20', Add</i>		2.86	
		<i>For Elevated Installation >20' To 25', Add</i>		3.58	
		<i>For Elevated Installation >25' To 30', Add</i>		5.01	
		<i>For Elevated Installation >30' To 35', Add</i>		5.72	
		<i>For Elevated Installation >35' To 40', Add</i>		7.16	
		<i>For Elevated Installation >40', Add</i>		7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.92	8.28
		<i>For Work In Restricted Working Space, Add</i>		4.97	
		<i>For Elevated Installation >10' To 15', Add</i>		1.66	
		<i>For Elevated Installation >15' To 20', Add</i>		3.31	
		<i>For Elevated Installation >20' To 25', Add</i>		4.14	
		<i>For Elevated Installation >25' To 30', Add</i>		5.80	
		<i>For Elevated Installation >30' To 35', Add</i>		6.63	
		<i>For Elevated Installation >35' To 40', Add</i>		8.29	
		<i>For Elevated Installation >40', Add</i>		9.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.97	
26 05 33 13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.79	9.42
		<i>For Work In Restricted Working Space, Add</i>		5.65	
		<i>For Elevated Installation >10' To 15', Add</i>		1.88	
		<i>For Elevated Installation >15' To 20', Add</i>		3.77	
		<i>For Elevated Installation >20' To 25', Add</i>		4.71	
		<i>For Elevated Installation >25' To 30', Add</i>		6.59	
		<i>For Elevated Installation >30' To 35', Add</i>		7.53	
		<i>For Elevated Installation >35' To 40', Add</i>		9.42	
		<i>For Elevated Installation >40', Add</i>		10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	30.56	10.54
		<i>For Work In Restricted Working Space, Add</i>		6.33	
		<i>For Elevated Installation >10' To 15', Add</i>		2.11	
		<i>For Elevated Installation >15' To 20', Add</i>		4.22	
		<i>For Elevated Installation >20' To 25', Add</i>		5.27	
		<i>For Elevated Installation >25' To 30', Add</i>		7.38	
		<i>For Elevated Installation >30' To 35', Add</i>		8.44	
		<i>For Elevated Installation >35' To 40', Add</i>		10.55	
		<i>For Elevated Installation >40', Add</i>		11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	43.26	12.81
		<i>For Work In Restricted Working Space, Add</i>		7.68	
		<i>For Elevated Installation >10' To 15', Add</i>		2.56	
		<i>For Elevated Installation >15' To 20', Add</i>		5.12	
		<i>For Elevated Installation >20' To 25', Add</i>		6.40	
		<i>For Elevated Installation >25' To 30', Add</i>		8.96	
		<i>For Elevated Installation >30' To 35', Add</i>		10.24	
		<i>For Elevated Installation >35' To 40', Add</i>		12.81	
		<i>For Elevated Installation >40', Add</i>		14.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	56.38	17.70
		<i>For Work In Restricted Working Space, Add</i>		10.62	
		<i>For Elevated Installation >10' To 15', Add</i>		3.54	
		<i>For Elevated Installation >15' To 20', Add</i>		7.08	
		<i>For Elevated Installation >20' To 25', Add</i>		8.85	
		<i>For Elevated Installation >25' To 30', Add</i>		12.39	
		<i>For Elevated Installation >30' To 35', Add</i>		14.16	
		<i>For Elevated Installation >35' To 40', Add</i>		17.70	
		<i>For Elevated Installation >40', Add</i>		19.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.90	19.95
			<i>For Work In Restricted Working Space, Add</i>	11.97	
			<i>For Elevated Installation >10' To 15', Add</i>	3.99	
			<i>For Elevated Installation >15' To 20', Add</i>	7.98	
			<i>For Elevated Installation >20' To 25', Add</i>	9.98	
			<i>For Elevated Installation >25' To 30', Add</i>	13.97	
			<i>For Elevated Installation >30' To 35', Add</i>	15.96	
			<i>For Elevated Installation >35' To 40', Add</i>	19.96	
			<i>For Elevated Installation >40', Add</i>	21.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33	13-0308	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	79.05	25.99
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For Elevated Installation >10' To 15', Add</i>	5.20	
			<i>For Elevated Installation >15' To 20', Add</i>	10.39	
			<i>For Elevated Installation >20' To 25', Add</i>	12.99	
			<i>For Elevated Installation >25' To 30', Add</i>	18.19	
			<i>For Elevated Installation >30' To 35', Add</i>	20.78	
			<i>For Elevated Installation >35' To 40', Add</i>	25.98	
			<i>For Elevated Installation >40', Add</i>	28.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33	13-0309	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	120.39	35.77
			<i>For Work In Restricted Working Space, Add</i>	21.47	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.31	
			<i>For Elevated Installation >20' To 25', Add</i>	17.89	
			<i>For Elevated Installation >25' To 30', Add</i>	25.04	
			<i>For Elevated Installation >30' To 35', Add</i>	28.62	
			<i>For Elevated Installation >35' To 40', Add</i>	35.78	
			<i>For Elevated Installation >40', Add</i>	39.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47	
26 05 33	13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	152.43	45.86
			<i>For Work In Restricted Working Space, Add</i>	27.54	
			<i>For Elevated Installation >10' To 15', Add</i>	9.18	
			<i>For Elevated Installation >15' To 20', Add</i>	18.36	
			<i>For Elevated Installation >20' To 25', Add</i>	22.95	
			<i>For Elevated Installation >25' To 30', Add</i>	32.13	
			<i>For Elevated Installation >30' To 35', Add</i>	36.72	
			<i>For Elevated Installation >35' To 40', Add</i>	45.90	
			<i>For Elevated Installation >40', Add</i>	50.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.54	
26 05 33	13-0311	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.66	4.90
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Elevated Installation >10' To 15', Add</i>	0.98	
			<i>For Elevated Installation >15' To 20', Add</i>	1.96	
			<i>For Elevated Installation >20' To 25', Add</i>	2.45	
			<i>For Elevated Installation >25' To 30', Add</i>	3.43	
			<i>For Elevated Installation >30' To 35', Add</i>	3.92	
			<i>For Elevated Installation >35' To 40', Add</i>	4.90	
			<i>For Elevated Installation >40', Add</i>	5.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33	13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.79	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.13	
			<i>For Elevated Installation >15' To 20', Add</i>	2.26	
			<i>For Elevated Installation >20' To 25', Add</i>	2.82	
			<i>For Elevated Installation >25' To 30', Add</i>	3.95	
			<i>For Elevated Installation >30' To 35', Add</i>	4.52	
			<i>For Elevated Installation >35' To 40', Add</i>	5.65	
			<i>For Elevated Installation >40', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33	13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.43	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33	13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.56	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33	13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.40	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	32.43	10.54
		<i>For Work In Restricted Working Space, Add</i>	6.33	
		<i>For Elevated Installation >10' To 15', Add</i>	2.11	
		<i>For Elevated Installation >15' To 20', Add</i>	4.22	
		<i>For Elevated Installation >20' To 25', Add</i>	5.27	
		<i>For Elevated Installation >25' To 30', Add</i>	7.38	
		<i>For Elevated Installation >30' To 35', Add</i>	8.44	
		<i>For Elevated Installation >35' To 40', Add</i>	10.55	
		<i>For Elevated Installation >40', Add</i>	11.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	46.10	12.81
		<i>For Work In Restricted Working Space, Add</i>	7.68	
		<i>For Elevated Installation >10' To 15', Add</i>	2.56	
		<i>For Elevated Installation >15' To 20', Add</i>	5.12	
		<i>For Elevated Installation >20' To 25', Add</i>	6.40	
		<i>For Elevated Installation >25' To 30', Add</i>	8.96	
		<i>For Elevated Installation >30' To 35', Add</i>	10.24	
		<i>For Elevated Installation >35' To 40', Add</i>	12.81	
		<i>For Elevated Installation >40', Add</i>	14.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33 13-0318	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	60.19	17.70
		<i>For Work In Restricted Working Space, Add</i>	10.62	
		<i>For Elevated Installation >10' To 15', Add</i>	3.54	
		<i>For Elevated Installation >15' To 20', Add</i>	7.08	
		<i>For Elevated Installation >20' To 25', Add</i>	8.85	
		<i>For Elevated Installation >25' To 30', Add</i>	12.39	
		<i>For Elevated Installation >30' To 35', Add</i>	14.16	
		<i>For Elevated Installation >35' To 40', Add</i>	17.70	
		<i>For Elevated Installation >40', Add</i>	19.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-0319	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	68.93	19.95
		<i>For Work In Restricted Working Space, Add</i>	11.97	
		<i>For Elevated Installation >10' To 15', Add</i>	3.99	
		<i>For Elevated Installation >15' To 20', Add</i>	7.98	
		<i>For Elevated Installation >20' To 25', Add</i>	9.98	
		<i>For Elevated Installation >25' To 30', Add</i>	13.97	
		<i>For Elevated Installation >30' To 35', Add</i>	15.96	
		<i>For Elevated Installation >35' To 40', Add</i>	19.96	
		<i>For Elevated Installation >40', Add</i>	21.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33 13-0320	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	85.42	25.99
		<i>For Work In Restricted Working Space, Add</i>	15.59	
		<i>For Elevated Installation >10' To 15', Add</i>	5.20	
		<i>For Elevated Installation >15' To 20', Add</i>	10.39	
		<i>For Elevated Installation >20' To 25', Add</i>	12.99	
		<i>For Elevated Installation >25' To 30', Add</i>	18.19	
		<i>For Elevated Installation >30' To 35', Add</i>	20.78	
		<i>For Elevated Installation >35' To 40', Add</i>	25.98	
		<i>For Elevated Installation >40', Add</i>	28.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33 13-0321	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	128.81	35.77
		<i>For Work In Restricted Working Space, Add</i>	21.47	
		<i>For Elevated Installation >10' To 15', Add</i>	7.16	
		<i>For Elevated Installation >15' To 20', Add</i>	14.31	
		<i>For Elevated Installation >20' To 25', Add</i>	17.89	
		<i>For Elevated Installation >25' To 30', Add</i>	25.04	
		<i>For Elevated Installation >30' To 35', Add</i>	28.62	
		<i>For Elevated Installation >35' To 40', Add</i>	35.78	
		<i>For Elevated Installation >40', Add</i>	39.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47	
26 05 33 13-0322	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	167.57	45.86
		<i>For Work In Restricted Working Space, Add</i>	27.54	
		<i>For Elevated Installation >10' To 15', Add</i>	9.18	
		<i>For Elevated Installation >15' To 20', Add</i>	18.36	
		<i>For Elevated Installation >20' To 25', Add</i>	22.95	
		<i>For Elevated Installation >25' To 30', Add</i>	32.13	
		<i>For Elevated Installation >30' To 35', Add</i>	36.72	
		<i>For Elevated Installation >35' To 40', Add</i>	45.90	
		<i>For Elevated Installation >40', Add</i>	50.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.54	
26 05 33 13-0323	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	14.26	4.90
		<i>For Work In Restricted Working Space, Add</i>	2.94	
		<i>For Elevated Installation >10' To 15', Add</i>	0.98	
		<i>For Elevated Installation >15' To 20', Add</i>	1.96	
		<i>For Elevated Installation >20' To 25', Add</i>	2.45	
		<i>For Elevated Installation >25' To 30', Add</i>	3.43	
		<i>For Elevated Installation >30' To 35', Add</i>	3.92	
		<i>For Elevated Installation >35' To 40', Add</i>	4.90	
		<i>For Elevated Installation >40', Add</i>	5.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-0324	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	16.35	5.65
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.82	
		<i>For Elevated Installation >25' To 30', Add</i>	3.95	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0325	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.26	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33	13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.88	8.28
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33	13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.21	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33	13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.00	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.33	
			<i>For Elevated Installation >10' To 15', Add</i>	2.11	
			<i>For Elevated Installation >15' To 20', Add</i>	4.22	
			<i>For Elevated Installation >20' To 25', Add</i>	5.27	
			<i>For Elevated Installation >25' To 30', Add</i>	7.38	
			<i>For Elevated Installation >30' To 35', Add</i>	8.44	
			<i>For Elevated Installation >35' To 40', Add</i>	10.55	
			<i>For Elevated Installation >40', Add</i>	11.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33	13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	49.45	12.81
			<i>For Work In Restricted Working Space, Add</i>	7.68	
			<i>For Elevated Installation >10' To 15', Add</i>	2.56	
			<i>For Elevated Installation >15' To 20', Add</i>	5.12	
			<i>For Elevated Installation >20' To 25', Add</i>	6.40	
			<i>For Elevated Installation >25' To 30', Add</i>	8.96	
			<i>For Elevated Installation >30' To 35', Add</i>	10.24	
			<i>For Elevated Installation >35' To 40', Add</i>	12.81	
			<i>For Elevated Installation >40', Add</i>	14.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33	13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	65.51	17.70
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Elevated Installation >10' To 15', Add</i>	3.54	
			<i>For Elevated Installation >15' To 20', Add</i>	7.08	
			<i>For Elevated Installation >20' To 25', Add</i>	8.85	
			<i>For Elevated Installation >25' To 30', Add</i>	12.39	
			<i>For Elevated Installation >30' To 35', Add</i>	14.16	
			<i>For Elevated Installation >35' To 40', Add</i>	17.70	
			<i>For Elevated Installation >40', Add</i>	19.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33	13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	73.82	19.95
			<i>For Work In Restricted Working Space, Add</i>	11.97	
			<i>For Elevated Installation >10' To 15', Add</i>	3.99	
			<i>For Elevated Installation >15' To 20', Add</i>	7.98	
			<i>For Elevated Installation >20' To 25', Add</i>	9.98	
			<i>For Elevated Installation >25' To 30', Add</i>	13.97	
			<i>For Elevated Installation >30' To 35', Add</i>	15.96	
			<i>For Elevated Installation >35' To 40', Add</i>	19.96	
			<i>For Elevated Installation >40', Add</i>	21.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33	13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	91.80	25.99
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For Elevated Installation >10' To 15', Add</i>	5.20	
			<i>For Elevated Installation >15' To 20', Add</i>	10.39	
			<i>For Elevated Installation >20' To 25', Add</i>	12.99	
			<i>For Elevated Installation >25' To 30', Add</i>	18.19	
			<i>For Elevated Installation >30' To 35', Add</i>	20.78	
			<i>For Elevated Installation >35' To 40', Add</i>	25.98	
			<i>For Elevated Installation >40', Add</i>	28.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	140.91	35.77
			<i>For Work In Restricted Working Space, Add</i>	21.47	
			<i>For Elevated Installation >10' To 15', Add</i>	7.16	
			<i>For Elevated Installation >15' To 20', Add</i>	14.31	
			<i>For Elevated Installation >20' To 25', Add</i>	17.89	
			<i>For Elevated Installation >25' To 30', Add</i>	25.04	
			<i>For Elevated Installation >30' To 35', Add</i>	28.62	
			<i>For Elevated Installation >35' To 40', Add</i>	35.78	
			<i>For Elevated Installation >40', Add</i>	39.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0334	EA 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	175.99	45.86
	<i>For Work In Restricted Working Space, Add</i>	27.54	
	<i>For Elevated Installation >10' To 15', Add</i>	9.18	
	<i>For Elevated Installation >15' To 20', Add</i>	18.36	
	<i>For Elevated Installation >20' To 25', Add</i>	22.95	
	<i>For Elevated Installation >25' To 30', Add</i>	32.13	
	<i>For Elevated Installation >30' To 35', Add</i>	36.72	
	<i>For Elevated Installation >35' To 40', Add</i>	45.90	
	<i>For Elevated Installation >40', Add</i>	50.48	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.54	
26 05 33 13-0335	Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0059)		
26 05 33 13-0336	EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	11.91	3.91
	<i>For Work In Restricted Working Space, Add</i>	2.96	
	<i>For Elevated Installation >10' To 15', Add</i>	0.99	
	<i>For Elevated Installation >15' To 20', Add</i>	1.97	
	<i>For Elevated Installation >20' To 25', Add</i>	2.47	
	<i>For Elevated Installation >25' To 30', Add</i>	3.45	
	<i>For Elevated Installation >30' To 35', Add</i>	3.95	
	<i>For Elevated Installation >35' To 40', Add</i>	4.94	
	<i>For Elevated Installation >40', Add</i>	5.43	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0337	EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	14.35	4.52
	<i>For Work In Restricted Working Space, Add</i>	3.37	
	<i>For Elevated Installation >10' To 15', Add</i>	1.12	
	<i>For Elevated Installation >15' To 20', Add</i>	2.25	
	<i>For Elevated Installation >20' To 25', Add</i>	2.81	
	<i>For Elevated Installation >25' To 30', Add</i>	3.93	
	<i>For Elevated Installation >30' To 35', Add</i>	4.49	
	<i>For Elevated Installation >35' To 40', Add</i>	5.62	
	<i>For Elevated Installation >40', Add</i>	6.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.37	
26 05 33 13-0338	EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	17.93	5.72
	<i>For Work In Restricted Working Space, Add</i>	4.31	
	<i>For Elevated Installation >10' To 15', Add</i>	1.44	
	<i>For Elevated Installation >15' To 20', Add</i>	2.87	
	<i>For Elevated Installation >20' To 25', Add</i>	3.59	
	<i>For Elevated Installation >25' To 30', Add</i>	5.03	
	<i>For Elevated Installation >30' To 35', Add</i>	5.74	
	<i>For Elevated Installation >35' To 40', Add</i>	7.18	
	<i>For Elevated Installation >40', Add</i>	7.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.31	
26 05 33 13-0339	EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	22.98	6.86
	<i>For Work In Restricted Working Space, Add</i>	5.17	
	<i>For Elevated Installation >10' To 15', Add</i>	1.72	
	<i>For Elevated Installation >15' To 20', Add</i>	3.44	
	<i>For Elevated Installation >20' To 25', Add</i>	4.31	
	<i>For Elevated Installation >25' To 30', Add</i>	6.03	
	<i>For Elevated Installation >30' To 35', Add</i>	6.89	
	<i>For Elevated Installation >35' To 40', Add</i>	8.61	
	<i>For Elevated Installation >40', Add</i>	9.47	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.17	
26 05 33 13-0340	EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	25.16	7.53
	<i>For Work In Restricted Working Space, Add</i>	5.65	
	<i>For Elevated Installation >10' To 15', Add</i>	1.88	
	<i>For Elevated Installation >15' To 20', Add</i>	3.77	
	<i>For Elevated Installation >20' To 25', Add</i>	4.71	
	<i>For Elevated Installation >25' To 30', Add</i>	6.59	
	<i>For Elevated Installation >30' To 35', Add</i>	7.54	
	<i>For Elevated Installation >35' To 40', Add</i>	9.42	
	<i>For Elevated Installation >40', Add</i>	10.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0341	EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.25	9.26
	<i>For Work In Restricted Working Space, Add</i>	6.96	
	<i>For Elevated Installation >10' To 15', Add</i>	2.32	
	<i>For Elevated Installation >15' To 20', Add</i>	4.64	
	<i>For Elevated Installation >20' To 25', Add</i>	5.80	
	<i>For Elevated Installation >25' To 30', Add</i>	8.12	
	<i>For Elevated Installation >30' To 35', Add</i>	9.28	
	<i>For Elevated Installation >35' To 40', Add</i>	11.61	
	<i>For Elevated Installation >40', Add</i>	12.77	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.96	
26 05 33 13-0342	EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	54.38	15.07
	<i>For Work In Restricted Working Space, Add</i>	11.30	
	<i>For Elevated Installation >10' To 15', Add</i>	3.77	
	<i>For Elevated Installation >15' To 20', Add</i>	7.53	
	<i>For Elevated Installation >20' To 25', Add</i>	9.41	
	<i>For Elevated Installation >25' To 30', Add</i>	13.18	
	<i>For Elevated Installation >30' To 35', Add</i>	15.06	
	<i>For Elevated Installation >35' To 40', Add</i>	18.83	
	<i>For Elevated Installation >40', Add</i>	20.71	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0343	EA		3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	89.96	20.79
			<i>For Work In Restricted Working Space, Add</i>	15.59	
			<i>For Elevated Installation >10' To 15', Add</i>	5.20	
			<i>For Elevated Installation >15' To 20', Add</i>	10.39	
			<i>For Elevated Installation >20' To 25', Add</i>	12.99	
			<i>For Elevated Installation >25' To 30', Add</i>	18.19	
			<i>For Elevated Installation >30' To 35', Add</i>	20.78	
			<i>For Elevated Installation >35' To 40', Add</i>	25.98	
			<i>For Elevated Installation >40', Add</i>	28.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33 13-0344	EA		3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	112.34	24.55
			<i>For Work In Restricted Working Space, Add</i>	18.31	
			<i>For Elevated Installation >10' To 15', Add</i>	6.10	
			<i>For Elevated Installation >15' To 20', Add</i>	12.21	
			<i>For Elevated Installation >20' To 25', Add</i>	15.26	
			<i>For Elevated Installation >25' To 30', Add</i>	21.36	
			<i>For Elevated Installation >30' To 35', Add</i>	24.42	
			<i>For Elevated Installation >35' To 40', Add</i>	30.52	
			<i>For Elevated Installation >40', Add</i>	33.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.31	
26 05 33 13-0345	EA		4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	135.34	28.32
			<i>For Work In Restricted Working Space, Add</i>	21.24	
			<i>For Elevated Installation >10' To 15', Add</i>	7.08	
			<i>For Elevated Installation >15' To 20', Add</i>	14.16	
			<i>For Elevated Installation >20' To 25', Add</i>	17.70	
			<i>For Elevated Installation >25' To 30', Add</i>	24.78	
			<i>For Elevated Installation >30' To 35', Add</i>	28.32	
			<i>For Elevated Installation >35' To 40', Add</i>	35.40	
			<i>For Elevated Installation >40', Add</i>	38.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	
26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0059)</small>					
Note: Erickson fittings.					
26 05 33 13-0347	EA		1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	31.76	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.05	
			<i>For Elevated Installation >10' To 15', Add</i>	3.02	
			<i>For Elevated Installation >15' To 20', Add</i>	6.03	
			<i>For Elevated Installation >20' To 25', Add</i>	7.54	
			<i>For Elevated Installation >25' To 30', Add</i>	10.56	
			<i>For Elevated Installation >30' To 35', Add</i>	12.06	
			<i>For Elevated Installation >35' To 40', Add</i>	15.08	
			<i>For Elevated Installation >40', Add</i>	16.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.05	
26 05 33 13-0348	EA		3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	35.71	13.48
			<i>For Work In Restricted Working Space, Add</i>	10.10	
			<i>For Elevated Installation >10' To 15', Add</i>	3.37	
			<i>For Elevated Installation >15' To 20', Add</i>	6.73	
			<i>For Elevated Installation >20' To 25', Add</i>	8.42	
			<i>For Elevated Installation >25' To 30', Add</i>	11.78	
			<i>For Elevated Installation >30' To 35', Add</i>	13.46	
			<i>For Elevated Installation >35' To 40', Add</i>	16.83	
			<i>For Elevated Installation >40', Add</i>	18.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	
26 05 33 13-0349	EA		1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	41.29	14.99
			<i>For Work In Restricted Working Space, Add</i>	11.25	
			<i>For Elevated Installation >10' To 15', Add</i>	3.75	
			<i>For Elevated Installation >15' To 20', Add</i>	7.50	
			<i>For Elevated Installation >20' To 25', Add</i>	9.38	
			<i>For Elevated Installation >25' To 30', Add</i>	13.13	
			<i>For Elevated Installation >30' To 35', Add</i>	15.00	
			<i>For Elevated Installation >35' To 40', Add</i>	18.75	
			<i>For Elevated Installation >40', Add</i>	20.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.25	
26 05 33 13-0350	EA		1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	49.11	16.42
			<i>For Work In Restricted Working Space, Add</i>	12.31	
			<i>For Elevated Installation >10' To 15', Add</i>	4.10	
			<i>For Elevated Installation >15' To 20', Add</i>	8.21	
			<i>For Elevated Installation >20' To 25', Add</i>	10.26	
			<i>For Elevated Installation >25' To 30', Add</i>	14.36	
			<i>For Elevated Installation >30' To 35', Add</i>	16.41	
			<i>For Elevated Installation >35' To 40', Add</i>	20.52	
			<i>For Elevated Installation >40', Add</i>	22.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.31	
26 05 33 13-0351	EA		1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	54.57	17.93
			<i>For Work In Restricted Working Space, Add</i>	13.47	
			<i>For Elevated Installation >10' To 15', Add</i>	4.49	
			<i>For Elevated Installation >15' To 20', Add</i>	8.98	
			<i>For Elevated Installation >20' To 25', Add</i>	11.22	
			<i>For Elevated Installation >25' To 30', Add</i>	15.71	
			<i>For Elevated Installation >30' To 35', Add</i>	17.96	
			<i>For Elevated Installation >35' To 40', Add</i>	22.45	
			<i>For Elevated Installation >40', Add</i>	24.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	68.01	19.43
		<i>For Work In Restricted Working Space, Add</i>	14.58	
		<i>For Elevated Installation >10' To 15', Add</i>	4.86	
		<i>For Elevated Installation >15' To 20', Add</i>	9.72	
		<i>For Elevated Installation >20' To 25', Add</i>	12.15	
		<i>For Elevated Installation >25' To 30', Add</i>	17.01	
		<i>For Elevated Installation >30' To 35', Add</i>	19.44	
		<i>For Elevated Installation >35' To 40', Add</i>	24.31	
		<i>For Elevated Installation >40', Add</i>	26.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.58	
26 05 33 13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	105.18	24.10
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-0354	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	143.50	30.12
		<i>For Work In Restricted Working Space, Add</i>	22.59	
		<i>For Elevated Installation >10' To 15', Add</i>	7.53	
		<i>For Elevated Installation >15' To 20', Add</i>	15.06	
		<i>For Elevated Installation >20' To 25', Add</i>	18.83	
		<i>For Elevated Installation >25' To 30', Add</i>	26.36	
		<i>For Elevated Installation >30' To 35', Add</i>	30.12	
		<i>For Elevated Installation >35' To 40', Add</i>	37.66	
		<i>For Elevated Installation >40', Add</i>	41.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	203.99	36.16
		<i>For Work In Restricted Working Space, Add</i>	27.12	
		<i>For Elevated Installation >10' To 15', Add</i>	9.04	
		<i>For Elevated Installation >15' To 20', Add</i>	18.08	
		<i>For Elevated Installation >20' To 25', Add</i>	22.60	
		<i>For Elevated Installation >25' To 30', Add</i>	31.64	
		<i>For Elevated Installation >30' To 35', Add</i>	36.16	
		<i>For Elevated Installation >35' To 40', Add</i>	45.21	
		<i>For Elevated Installation >40', Add</i>	49.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.12	
26 05 33 13-0356	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	231.47	39.17
		<i>For Work In Restricted Working Space, Add</i>	29.37	
		<i>For Elevated Installation >10' To 15', Add</i>	9.79	
		<i>For Elevated Installation >15' To 20', Add</i>	19.58	
		<i>For Elevated Installation >20' To 25', Add</i>	24.48	
		<i>For Elevated Installation >25' To 30', Add</i>	34.27	
		<i>For Elevated Installation >30' To 35', Add</i>	39.16	
		<i>For Elevated Installation >35' To 40', Add</i>	48.95	
		<i>For Elevated Installation >40', Add</i>	53.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.37	
26 05 33 13-0357	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	394.61	48.20
		<i>For Work In Restricted Working Space, Add</i>	36.15	
		<i>For Elevated Installation >10' To 15', Add</i>	12.05	
		<i>For Elevated Installation >15' To 20', Add</i>	24.10	
		<i>For Elevated Installation >20' To 25', Add</i>	30.12	
		<i>For Elevated Installation >25' To 30', Add</i>	42.17	
		<i>For Elevated Installation >30' To 35', Add</i>	48.20	
		<i>For Elevated Installation >35' To 40', Add</i>	60.25	
		<i>For Elevated Installation >40', Add</i>	66.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.15	
26 05 33 13-0358	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	504.69	55.73
		<i>For Work In Restricted Working Space, Add</i>	41.79	
		<i>For Elevated Installation >10' To 15', Add</i>	13.93	
		<i>For Elevated Installation >15' To 20', Add</i>	27.86	
		<i>For Elevated Installation >20' To 25', Add</i>	34.83	
		<i>For Elevated Installation >25' To 30', Add</i>	48.76	
		<i>For Elevated Installation >30' To 35', Add</i>	55.72	
		<i>For Elevated Installation >35' To 40', Add</i>	69.66	
		<i>For Elevated Installation >40', Add</i>	76.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.79	

26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0059)

26 05 33 13-0360	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.55	6.02
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0361	EA	3/4"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	23.05	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
26 05 33 13-0362	EA	1"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	26.55	7.53
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
26 05 33 13-0363	EA	1-1/4"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	30.53	8.13
			<i>For Work In Restricted Working Space, Add</i>	6.10	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.07	
			<i>For Elevated Installation >20' To 25', Add</i>	5.09	
			<i>For Elevated Installation >25' To 30', Add</i>	7.12	
			<i>For Elevated Installation >30' To 35', Add</i>	8.14	
			<i>For Elevated Installation >35' To 40', Add</i>	10.17	
			<i>For Elevated Installation >40', Add</i>	11.19	
26 05 33 13-0364	EA	1-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	36.79	9.03
			<i>For Work In Restricted Working Space, Add</i>	6.78	
			<i>For Elevated Installation >10' To 15', Add</i>	2.26	
			<i>For Elevated Installation >15' To 20', Add</i>	4.52	
			<i>For Elevated Installation >20' To 25', Add</i>	5.65	
			<i>For Elevated Installation >25' To 30', Add</i>	7.91	
			<i>For Elevated Installation >30' To 35', Add</i>	9.04	
			<i>For Elevated Installation >35' To 40', Add</i>	11.30	
			<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33 13-0365	EA	2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	45.84	9.94
			<i>For Work In Restricted Working Space, Add</i>	7.46	
			<i>For Elevated Installation >10' To 15', Add</i>	2.49	
			<i>For Elevated Installation >15' To 20', Add</i>	4.97	
			<i>For Elevated Installation >20' To 25', Add</i>	6.21	
			<i>For Elevated Installation >25' To 30', Add</i>	8.70	
			<i>For Elevated Installation >30' To 35', Add</i>	9.94	
			<i>For Elevated Installation >35' To 40', Add</i>	12.43	
			<i>For Elevated Installation >40', Add</i>	13.67	
26 05 33 13-0366	EA	2-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	63.77	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
			<i>For Elevated Installation >10' To 15', Add</i>	3.01	
			<i>For Elevated Installation >15' To 20', Add</i>	6.02	
			<i>For Elevated Installation >20' To 25', Add</i>	7.53	
			<i>For Elevated Installation >25' To 30', Add</i>	10.54	
			<i>For Elevated Installation >30' To 35', Add</i>	12.05	
			<i>For Elevated Installation >35' To 40', Add</i>	15.06	
			<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33 13-0367	EA	3"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	78.72	15.07
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0368	EA	3-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	94.58	18.08
			<i>For Work In Restricted Working Space, Add</i>	13.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.52	
			<i>For Elevated Installation >15' To 20', Add</i>	9.04	
			<i>For Elevated Installation >20' To 25', Add</i>	11.30	
			<i>For Elevated Installation >25' To 30', Add</i>	15.82	
			<i>For Elevated Installation >30' To 35', Add</i>	18.08	
			<i>For Elevated Installation >35' To 40', Add</i>	22.60	
			<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33 13-0369	EA	4"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	107.61	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.69	
			<i>For Elevated Installation >10' To 15', Add</i>	4.90	
			<i>For Elevated Installation >15' To 20', Add</i>	9.79	
			<i>For Elevated Installation >20' To 25', Add</i>	12.24	
			<i>For Elevated Installation >25' To 30', Add</i>	17.13	
			<i>For Elevated Installation >30' To 35', Add</i>	19.58	
			<i>For Elevated Installation >35' To 40', Add</i>	24.48	
			<i>For Elevated Installation >40', Add</i>	26.92	

26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0059)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0371	EA 1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	16.38	6.78
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.75	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-0372	EA 3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	18.25	7.53
	For Work In Restricted Working Space, Add	4.52	
	For Elevated Installation >10' To 15', Add	1.51	
	For Elevated Installation >15' To 20', Add	3.01	
	For Elevated Installation >20' To 25', Add	3.77	
	For Elevated Installation >25' To 30', Add	5.27	
	For Elevated Installation >30' To 35', Add	6.03	
	For Elevated Installation >35' To 40', Add	7.54	
	For Elevated Installation >40', Add	8.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0373	EA 1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	22.57	9.42
	For Work In Restricted Working Space, Add	5.65	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.77	
	For Elevated Installation >20' To 25', Add	4.71	
	For Elevated Installation >25' To 30', Add	6.59	
	For Elevated Installation >30' To 35', Add	7.53	
	For Elevated Installation >35' To 40', Add	9.42	
	For Elevated Installation >40', Add	10.36	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	
26 05 33 13-0374	EA 1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	27.67	11.29
	For Work In Restricted Working Space, Add	6.78	
	For Elevated Installation >10' To 15', Add	2.26	
	For Elevated Installation >15' To 20', Add	4.52	
	For Elevated Installation >20' To 25', Add	5.65	
	For Elevated Installation >25' To 30', Add	7.91	
	For Elevated Installation >30' To 35', Add	9.04	
	For Elevated Installation >35' To 40', Add	11.30	
	For Elevated Installation >40', Add	12.42	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	
26 05 33 13-0375	EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	35.70	15.07
	For Work In Restricted Working Space, Add	9.04	
	For Elevated Installation >10' To 15', Add	3.01	
	For Elevated Installation >15' To 20', Add	6.02	
	For Elevated Installation >20' To 25', Add	7.53	
	For Elevated Installation >25' To 30', Add	10.54	
	For Elevated Installation >30' To 35', Add	12.05	
	For Elevated Installation >35' To 40', Add	15.06	
	For Elevated Installation >40', Add	16.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0376	EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	41.34	16.94
	For Work In Restricted Working Space, Add	10.17	
	For Elevated Installation >10' To 15', Add	3.39	
	For Elevated Installation >15' To 20', Add	6.78	
	For Elevated Installation >20' To 25', Add	8.47	
	For Elevated Installation >25' To 30', Add	11.86	
	For Elevated Installation >30' To 35', Add	13.56	
	For Elevated Installation >35' To 40', Add	16.95	
	For Elevated Installation >40', Add	18.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.17	
26 05 33 13-0377	EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	50.32	18.83
	For Work In Restricted Working Space, Add	11.30	
	For Elevated Installation >10' To 15', Add	3.77	
	For Elevated Installation >15' To 20', Add	7.53	
	For Elevated Installation >20' To 25', Add	9.42	
	For Elevated Installation >25' To 30', Add	13.18	
	For Elevated Installation >30' To 35', Add	15.06	
	For Elevated Installation >35' To 40', Add	18.83	
	For Elevated Installation >40', Add	20.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.30	
26 05 33 13-0378	EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	67.29	23.73
	For Work In Restricted Working Space, Add	14.24	
	For Elevated Installation >10' To 15', Add	4.75	
	For Elevated Installation >15' To 20', Add	9.49	
	For Elevated Installation >20' To 25', Add	11.86	
	For Elevated Installation >25' To 30', Add	16.61	
	For Elevated Installation >30' To 35', Add	18.98	
	For Elevated Installation >35' To 40', Add	23.73	
	For Elevated Installation >40', Add	26.10	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.24	
26 05 33 13-0379	EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	80.01	28.62
	For Work In Restricted Working Space, Add	17.17	
	For Elevated Installation >10' To 15', Add	5.72	
	For Elevated Installation >15' To 20', Add	11.45	
	For Elevated Installation >20' To 25', Add	14.31	
	For Elevated Installation >25' To 30', Add	20.03	
	For Elevated Installation >30' To 35', Add	22.89	
	For Elevated Installation >35' To 40', Add	28.62	
	For Elevated Installation >40', Add	31.48	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.17	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	97.81	33.89
		<i>For Work In Restricted Working Space, Add</i>	20.33	
		<i>For Elevated Installation >10' To 15', Add</i>	6.78	
		<i>For Elevated Installation >15' To 20', Add</i>	13.56	
		<i>For Elevated Installation >20' To 25', Add</i>	16.95	
		<i>For Elevated Installation >25' To 30', Add</i>	23.72	
		<i>For Elevated Installation >30' To 35', Add</i>	27.11	
		<i>For Elevated Installation >35' To 40', Add</i>	33.89	
		<i>For Elevated Installation >40', Add</i>	37.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.33	

26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05 33 13-0059)
 Note: Type AX

26 05 33 13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	94.19	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For Elevated Installation >10' To 15', Add</i>	3.01	
		<i>For Elevated Installation >15' To 20', Add</i>	6.03	
		<i>For Elevated Installation >20' To 25', Add</i>	7.53	
		<i>For Elevated Installation >25' To 30', Add</i>	10.55	
		<i>For Elevated Installation >30' To 35', Add</i>	12.05	
		<i>For Elevated Installation >35' To 40', Add</i>	15.07	
		<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33 13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	107.02	13.56
		<i>For Work In Restricted Working Space, Add</i>	10.17	
		<i>For Elevated Installation >10' To 15', Add</i>	3.39	
		<i>For Elevated Installation >15' To 20', Add</i>	6.78	
		<i>For Elevated Installation >20' To 25', Add</i>	8.47	
		<i>For Elevated Installation >25' To 30', Add</i>	11.86	
		<i>For Elevated Installation >30' To 35', Add</i>	13.56	
		<i>For Elevated Installation >35' To 40', Add</i>	16.95	
		<i>For Elevated Installation >40', Add</i>	18.64	
26 05 33 13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	127.62	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	157.95	16.57
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
26 05 33 13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	200.92	18.08
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33 13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	282.54	19.58
		<i>For Work In Restricted Working Space, Add</i>	14.69	
		<i>For Elevated Installation >10' To 15', Add</i>	4.90	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.24	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.58	
		<i>For Elevated Installation >35' To 40', Add</i>	24.48	
		<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	437.86	24.10
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
26 05 33 13-0389	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	561.66	30.12
		<i>For Work In Restricted Working Space, Add</i>	22.59	
		<i>For Elevated Installation >10' To 15', Add</i>	7.53	
		<i>For Elevated Installation >15' To 20', Add</i>	15.06	
		<i>For Elevated Installation >20' To 25', Add</i>	18.83	
		<i>For Elevated Installation >25' To 30', Add</i>	26.36	
		<i>For Elevated Installation >30' To 35', Add</i>	30.12	
		<i>For Elevated Installation >35' To 40', Add</i>	37.66	
		<i>For Elevated Installation >40', Add</i>	41.42	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0390	EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	826.88	36.16
	<i>For Work In Restricted Working Space, Add</i>	27.12	
	<i>For Elevated Installation >10' To 15', Add</i>	9.04	
	<i>For Elevated Installation >15' To 20', Add</i>	18.08	
	<i>For Elevated Installation >20' To 25', Add</i>	22.60	
	<i>For Elevated Installation >25' To 30', Add</i>	31.64	
	<i>For Elevated Installation >30' To 35', Add</i>	36.16	
	<i>For Elevated Installation >35' To 40', Add</i>	45.20	
	<i>For Elevated Installation >40', Add</i>	49.71	
26 05 33 13-0391	EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	880.89	39.17
	<i>For Work In Restricted Working Space, Add</i>	29.37	
	<i>For Elevated Installation >10' To 15', Add</i>	9.79	
	<i>For Elevated Installation >15' To 20', Add</i>	19.58	
	<i>For Elevated Installation >20' To 25', Add</i>	24.48	
	<i>For Elevated Installation >25' To 30', Add</i>	34.27	
	<i>For Elevated Installation >30' To 35', Add</i>	39.16	
	<i>For Elevated Installation >35' To 40', Add</i>	48.95	
	<i>For Elevated Installation >40', Add</i>	53.85	
26 05 33 13-0392	EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,359.70	48.20
	<i>For Work In Restricted Working Space, Add</i>	36.15	
	<i>For Elevated Installation >10' To 15', Add</i>	12.05	
	<i>For Elevated Installation >15' To 20', Add</i>	24.10	
	<i>For Elevated Installation >20' To 25', Add</i>	30.13	
	<i>For Elevated Installation >25' To 30', Add</i>	42.18	
	<i>For Elevated Installation >30' To 35', Add</i>	48.20	
	<i>For Elevated Installation >35' To 40', Add</i>	60.25	
	<i>For Elevated Installation >40', Add</i>	66.28	
26 05 33 13-0393	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,675.36	53.47
	<i>For Work In Restricted Working Space, Add</i>	40.13	
	<i>For Elevated Installation >10' To 15', Add</i>	13.38	
	<i>For Elevated Installation >15' To 20', Add</i>	26.75	
	<i>For Elevated Installation >20' To 25', Add</i>	33.44	
	<i>For Elevated Installation >25' To 30', Add</i>	46.82	
	<i>For Elevated Installation >30' To 35', Add</i>	53.50	
	<i>For Elevated Installation >35' To 40', Add</i>	66.88	
	<i>For Elevated Installation >40', Add</i>	73.57	
26 05 33 13-0394	Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0059)</small>		
	Note: Type AX-8		
26 05 33 13-0395	EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	104.90	12.05
	<i>For Work In Restricted Working Space, Add</i>	9.04	
	<i>For Elevated Installation >10' To 15', Add</i>	3.01	
	<i>For Elevated Installation >15' To 20', Add</i>	6.03	
	<i>For Elevated Installation >20' To 25', Add</i>	7.53	
	<i>For Elevated Installation >25' To 30', Add</i>	10.55	
	<i>For Elevated Installation >30' To 35', Add</i>	12.05	
	<i>For Elevated Installation >35' To 40', Add</i>	15.07	
	<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33 13-0396	EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	116.50	13.56
	<i>For Work In Restricted Working Space, Add</i>	10.17	
	<i>For Elevated Installation >10' To 15', Add</i>	3.39	
	<i>For Elevated Installation >15' To 20', Add</i>	6.78	
	<i>For Elevated Installation >20' To 25', Add</i>	8.47	
	<i>For Elevated Installation >25' To 30', Add</i>	11.86	
	<i>For Elevated Installation >30' To 35', Add</i>	13.56	
	<i>For Elevated Installation >35' To 40', Add</i>	16.95	
	<i>For Elevated Installation >40', Add</i>	18.64	
26 05 33 13-0397	EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	142.51	15.07
	<i>For Work In Restricted Working Space, Add</i>	11.30	
	<i>For Elevated Installation >10' To 15', Add</i>	3.77	
	<i>For Elevated Installation >15' To 20', Add</i>	7.53	
	<i>For Elevated Installation >20' To 25', Add</i>	9.42	
	<i>For Elevated Installation >25' To 30', Add</i>	13.18	
	<i>For Elevated Installation >30' To 35', Add</i>	15.06	
	<i>For Elevated Installation >35' To 40', Add</i>	18.83	
	<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0398	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	181.39	16.57
	<i>For Work In Restricted Working Space, Add</i>	12.43	
	<i>For Elevated Installation >10' To 15', Add</i>	4.14	
	<i>For Elevated Installation >15' To 20', Add</i>	8.28	
	<i>For Elevated Installation >20' To 25', Add</i>	10.36	
	<i>For Elevated Installation >25' To 30', Add</i>	14.50	
	<i>For Elevated Installation >30' To 35', Add</i>	16.57	
	<i>For Elevated Installation >35' To 40', Add</i>	20.71	
	<i>For Elevated Installation >40', Add</i>	22.78	
26 05 33 13-0399	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	247.51	18.08
	<i>For Work In Restricted Working Space, Add</i>	13.56	
	<i>For Elevated Installation >10' To 15', Add</i>	4.52	
	<i>For Elevated Installation >15' To 20', Add</i>	9.04	
	<i>For Elevated Installation >20' To 25', Add</i>	11.30	
	<i>For Elevated Installation >25' To 30', Add</i>	15.82	
	<i>For Elevated Installation >30' To 35', Add</i>	18.08	
	<i>For Elevated Installation >35' To 40', Add</i>	22.60	
	<i>For Elevated Installation >40', Add</i>	24.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	304.80	19.58
For Work In Restricted Working Space, Add	14.69	
For Elevated Installation >10' To 15', Add	4.90	
For Elevated Installation >15' To 20', Add	9.79	
For Elevated Installation >20' To 25', Add	12.24	
For Elevated Installation >25' To 30', Add	17.13	
For Elevated Installation >30' To 35', Add	19.58	
For Elevated Installation >35' To 40', Add	24.48	
For Elevated Installation >40', Add	26.92	
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	582.19	24.10
For Work In Restricted Working Space, Add	18.08	
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.05	
For Elevated Installation >20' To 25', Add	15.06	
For Elevated Installation >25' To 30', Add	21.09	
For Elevated Installation >30' To 35', Add	24.10	
For Elevated Installation >35' To 40', Add	30.13	
For Elevated Installation >40', Add	33.14	
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	660.21	30.12
For Work In Restricted Working Space, Add	22.59	
For Elevated Installation >10' To 15', Add	7.53	
For Elevated Installation >15' To 20', Add	15.06	
For Elevated Installation >20' To 25', Add	18.83	
For Elevated Installation >25' To 30', Add	26.36	
For Elevated Installation >30' To 35', Add	30.12	
For Elevated Installation >35' To 40', Add	37.66	
For Elevated Installation >40', Add	41.42	
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,021.64	36.16
For Work In Restricted Working Space, Add	27.12	
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.08	
For Elevated Installation >20' To 25', Add	22.60	
For Elevated Installation >25' To 30', Add	31.64	
For Elevated Installation >30' To 35', Add	36.16	
For Elevated Installation >35' To 40', Add	45.20	
For Elevated Installation >40', Add	49.71	
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,106.00	39.17
For Work In Restricted Working Space, Add	29.37	
For Elevated Installation >10' To 15', Add	9.79	
For Elevated Installation >15' To 20', Add	19.58	
For Elevated Installation >20' To 25', Add	24.48	
For Elevated Installation >25' To 30', Add	34.27	
For Elevated Installation >30' To 35', Add	39.16	
For Elevated Installation >35' To 40', Add	48.95	
For Elevated Installation >40', Add	53.85	
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,549.46	48.20
For Work In Restricted Working Space, Add	36.15	
For Elevated Installation >10' To 15', Add	12.05	
For Elevated Installation >15' To 20', Add	24.10	
For Elevated Installation >20' To 25', Add	30.13	
For Elevated Installation >25' To 30', Add	42.18	
For Elevated Installation >30' To 35', Add	48.20	
For Elevated Installation >35' To 40', Add	60.25	
For Elevated Installation >40', Add	66.28	
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,919.49	53.47
For Work In Restricted Working Space, Add	40.13	
For Elevated Installation >10' To 15', Add	13.38	
For Elevated Installation >15' To 20', Add	26.75	
For Elevated Installation >20' To 25', Add	33.44	
For Elevated Installation >25' To 30', Add	46.82	
For Elevated Installation >30' To 35', Add	53.50	
For Elevated Installation >35' To 40', Add	66.88	
For Elevated Installation >40', Add	73.57	
26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0059)</small>		
Note: Type EX		
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	120.57	12.05
For Work In Restricted Working Space, Add	9.04	
For Elevated Installation >10' To 15', Add	3.01	
For Elevated Installation >15' To 20', Add	6.03	
For Elevated Installation >20' To 25', Add	7.53	
For Elevated Installation >25' To 30', Add	10.55	
For Elevated Installation >30' To 35', Add	12.05	
For Elevated Installation >35' To 40', Add	15.07	
For Elevated Installation >40', Add	16.57	
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	153.46	13.56
For Work In Restricted Working Space, Add	10.17	
For Elevated Installation >10' To 15', Add	3.39	
For Elevated Installation >15' To 20', Add	6.78	
For Elevated Installation >20' To 25', Add	8.47	
For Elevated Installation >25' To 30', Add	11.86	
For Elevated Installation >30' To 35', Add	13.56	
For Elevated Installation >35' To 40', Add	16.95	
For Elevated Installation >40', Add	18.64	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0410	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	192.43	15.07
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33	13-0411	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	235.45	16.57
			<i>For Work In Restricted Working Space, Add</i>	12.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.14	
			<i>For Elevated Installation >15' To 20', Add</i>	8.28	
			<i>For Elevated Installation >20' To 25', Add</i>	10.36	
			<i>For Elevated Installation >25' To 30', Add</i>	14.50	
			<i>For Elevated Installation >30' To 35', Add</i>	16.57	
			<i>For Elevated Installation >35' To 40', Add</i>	20.71	
			<i>For Elevated Installation >40', Add</i>	22.78	
26 05 33	13-0412	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	320.71	18.08
			<i>For Work In Restricted Working Space, Add</i>	13.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.52	
			<i>For Elevated Installation >15' To 20', Add</i>	9.04	
			<i>For Elevated Installation >20' To 25', Add</i>	11.30	
			<i>For Elevated Installation >25' To 30', Add</i>	15.82	
			<i>For Elevated Installation >30' To 35', Add</i>	18.08	
			<i>For Elevated Installation >35' To 40', Add</i>	22.60	
			<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33	13-0413	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	446.25	19.58
			<i>For Work In Restricted Working Space, Add</i>	14.69	
			<i>For Elevated Installation >10' To 15', Add</i>	4.90	
			<i>For Elevated Installation >15' To 20', Add</i>	9.79	
			<i>For Elevated Installation >20' To 25', Add</i>	12.24	
			<i>For Elevated Installation >25' To 30', Add</i>	17.13	
			<i>For Elevated Installation >30' To 35', Add</i>	19.58	
			<i>For Elevated Installation >35' To 40', Add</i>	24.48	
			<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33	13-0414	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	698.63	24.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.09	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.13	
			<i>For Elevated Installation >40', Add</i>	33.14	
26 05 33	13-0415	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	943.73	30.12
			<i>For Work In Restricted Working Space, Add</i>	22.59	
			<i>For Elevated Installation >10' To 15', Add</i>	7.53	
			<i>For Elevated Installation >15' To 20', Add</i>	15.06	
			<i>For Elevated Installation >20' To 25', Add</i>	18.83	
			<i>For Elevated Installation >25' To 30', Add</i>	26.36	
			<i>For Elevated Installation >30' To 35', Add</i>	30.12	
			<i>For Elevated Installation >35' To 40', Add</i>	37.66	
			<i>For Elevated Installation >40', Add</i>	41.42	
26 05 33	13-0416	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,424.91	36.16
			<i>For Work In Restricted Working Space, Add</i>	27.12	
			<i>For Elevated Installation >10' To 15', Add</i>	9.04	
			<i>For Elevated Installation >15' To 20', Add</i>	18.08	
			<i>For Elevated Installation >20' To 25', Add</i>	22.60	
			<i>For Elevated Installation >25' To 30', Add</i>	31.64	
			<i>For Elevated Installation >30' To 35', Add</i>	36.16	
			<i>For Elevated Installation >35' To 40', Add</i>	45.20	
			<i>For Elevated Installation >40', Add</i>	49.71	
26 05 33	13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,473.31	39.17
			<i>For Work In Restricted Working Space, Add</i>	29.37	
			<i>For Elevated Installation >10' To 15', Add</i>	9.79	
			<i>For Elevated Installation >15' To 20', Add</i>	19.58	
			<i>For Elevated Installation >20' To 25', Add</i>	24.48	
			<i>For Elevated Installation >25' To 30', Add</i>	34.27	
			<i>For Elevated Installation >30' To 35', Add</i>	39.16	
			<i>For Elevated Installation >35' To 40', Add</i>	48.95	
			<i>For Elevated Installation >40', Add</i>	53.85	
26 05 33	13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,226.54	48.20
			<i>For Work In Restricted Working Space, Add</i>	36.15	
			<i>For Elevated Installation >10' To 15', Add</i>	12.05	
			<i>For Elevated Installation >15' To 20', Add</i>	24.10	
			<i>For Elevated Installation >20' To 25', Add</i>	30.13	
			<i>For Elevated Installation >25' To 30', Add</i>	42.18	
			<i>For Elevated Installation >30' To 35', Add</i>	48.20	
			<i>For Elevated Installation >35' To 40', Add</i>	60.25	
			<i>For Elevated Installation >40', Add</i>	66.28	
26 05 33	13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,765.63	53.47
			<i>For Work In Restricted Working Space, Add</i>	40.13	
			<i>For Elevated Installation >10' To 15', Add</i>	13.38	
			<i>For Elevated Installation >15' To 20', Add</i>	26.75	
			<i>For Elevated Installation >20' To 25', Add</i>	33.44	
			<i>For Elevated Installation >25' To 30', Add</i>	46.82	
			<i>For Elevated Installation >30' To 35', Add</i>	53.50	
			<i>For Elevated Installation >35' To 40', Add</i>	66.88	
			<i>For Elevated Installation >40', Add</i>	73.57	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-0420	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0059)</small> Note: Type DX		
26 05 33 13-0421	EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	217.22 9.04 3.01 6.03 7.53 10.55 12.05 15.07 16.57	12.05
26 05 33 13-0422	EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	259.45 10.17 3.39 6.78 8.47 11.86 13.56 16.95 18.64	13.56
26 05 33 13-0423	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	314.75 11.30 3.77 7.53 9.42 13.18 15.06 18.83 20.71	15.07
26 05 33 13-0424	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	370.98 12.43 4.14 8.28 10.36 14.50 16.57 20.71 22.78	16.57
26 05 33 13-0425	EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	410.46 13.56 4.52 9.04 11.30 15.82 18.08 22.60 24.85	18.08
26 05 33 13-0426	EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	509.63 14.69 4.90 9.79 12.24 17.13 19.58 24.48 26.92	19.58
26 05 33 13-0427	EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	675.10 18.08 6.03 12.05 15.06 21.09 24.10 30.13 33.14	24.10
26 05 33 13-0428	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	856.53 22.59 7.53 15.06 18.83 26.36 30.12 37.66 41.42	30.12
26 05 33 13-0429	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	961.86 27.12 9.04 18.08 22.60 31.64 36.16 45.20 49.71	36.16

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,170.33	39.17
		<i>For Work In Restricted Working Space, Add</i>	29.37	
		<i>For Elevated Installation >10' To 15', Add</i>	9.79	
		<i>For Elevated Installation >15' To 20', Add</i>	19.58	
		<i>For Elevated Installation >20' To 25', Add</i>	24.48	
		<i>For Elevated Installation >25' To 30', Add</i>	34.27	
		<i>For Elevated Installation >30' To 35', Add</i>	39.16	
		<i>For Elevated Installation >35' To 40', Add</i>	48.95	
		<i>For Elevated Installation >40', Add</i>	53.85	
26 05 33 13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,017.61	48.20
		<i>For Work In Restricted Working Space, Add</i>	36.15	
		<i>For Elevated Installation >10' To 15', Add</i>	12.05	
		<i>For Elevated Installation >15' To 20', Add</i>	24.10	
		<i>For Elevated Installation >20' To 25', Add</i>	30.13	
		<i>For Elevated Installation >25' To 30', Add</i>	42.18	
		<i>For Elevated Installation >30' To 35', Add</i>	48.20	
		<i>For Elevated Installation >35' To 40', Add</i>	60.25	
		<i>For Elevated Installation >40', Add</i>	66.28	
26 05 33 13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	3,227.68	53.47
		<i>For Work In Restricted Working Space, Add</i>	40.13	
		<i>For Elevated Installation >10' To 15', Add</i>	13.38	
		<i>For Elevated Installation >15' To 20', Add</i>	26.75	
		<i>For Elevated Installation >20' To 25', Add</i>	33.44	
		<i>For Elevated Installation >25' To 30', Add</i>	46.82	
		<i>For Elevated Installation >30' To 35', Add</i>	53.50	
		<i>For Elevated Installation >35' To 40', Add</i>	66.88	
		<i>For Elevated Installation >40', Add</i>	73.57	
26 05 33 13-0433		Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0059)</small>		
26 05 33 13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper.....	53.64	6.02
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
26 05 33 13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper.....	61.30	7.53
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
26 05 33 13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper.....	75.78	9.03
		<i>For Work In Restricted Working Space, Add</i>	6.78	
		<i>For Elevated Installation >10' To 15', Add</i>	2.26	
		<i>For Elevated Installation >15' To 20', Add</i>	4.52	
		<i>For Elevated Installation >20' To 25', Add</i>	5.65	
		<i>For Elevated Installation >25' To 30', Add</i>	7.91	
		<i>For Elevated Installation >30' To 35', Add</i>	9.04	
		<i>For Elevated Installation >35' To 40', Add</i>	11.30	
		<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33 13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper.....	106.98	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For Elevated Installation >10' To 15', Add</i>	3.01	
		<i>For Elevated Installation >15' To 20', Add</i>	6.02	
		<i>For Elevated Installation >20' To 25', Add</i>	7.53	
		<i>For Elevated Installation >25' To 30', Add</i>	10.54	
		<i>For Elevated Installation >30' To 35', Add</i>	12.05	
		<i>For Elevated Installation >35' To 40', Add</i>	15.06	
		<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33 13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper.....	162.24	18.08
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33 13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper.....	282.64	24.10
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	60.25	6.02
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
		26 05 33 13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper .....	69.65	7.53
<i>For Work In Restricted Working Space, Add</i>	5.65			
<i>For Elevated Installation >10' To 15', Add</i>	1.88			
<i>For Elevated Installation >15' To 20', Add</i>	3.77			
<i>For Elevated Installation >20' To 25', Add</i>	4.71			
<i>For Elevated Installation >25' To 30', Add</i>	6.59			
<i>For Elevated Installation >30' To 35', Add</i>	7.53			
<i>For Elevated Installation >35' To 40', Add</i>	9.42			
<i>For Elevated Installation >40', Add</i>	10.36			
26 05 33 13-0442	EA			1-1/2" To 2" Conduit, 24" Bonding Jumper .....	83.42	9.03
		<i>For Work In Restricted Working Space, Add</i>	6.78	
		<i>For Elevated Installation >10' To 15', Add</i>	2.26	
		<i>For Elevated Installation >15' To 20', Add</i>	4.52	
		<i>For Elevated Installation >20' To 25', Add</i>	5.65	
		<i>For Elevated Installation >25' To 30', Add</i>	7.91	
		<i>For Elevated Installation >30' To 35', Add</i>	9.04	
		<i>For Elevated Installation >35' To 40', Add</i>	11.30	
		<i>For Elevated Installation >40', Add</i>	12.42	
		26 05 33 13-0443	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper .....	117.13	12.05
<i>For Work In Restricted Working Space, Add</i>	9.04			
<i>For Elevated Installation >10' To 15', Add</i>	3.01			
<i>For Elevated Installation >15' To 20', Add</i>	6.02			
<i>For Elevated Installation >20' To 25', Add</i>	7.53			
<i>For Elevated Installation >25' To 30', Add</i>	10.54			
<i>For Elevated Installation >30' To 35', Add</i>	12.05			
<i>For Elevated Installation >35' To 40', Add</i>	15.06			
<i>For Elevated Installation >40', Add</i>	16.57			
26 05 33 13-0444	EA			3-1/2" To 4" Conduit, 24" Bonding Jumper .....	175.71	18.08
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
		26 05 33 13-0445	EA	5" To 6" Conduit, 24" Bonding Jumper .....	326.07	24.10
<i>For Work In Restricted Working Space, Add</i>	18.08			
<i>For Elevated Installation >10' To 15', Add</i>	6.03			
<i>For Elevated Installation >15' To 20', Add</i>	12.05			
<i>For Elevated Installation >20' To 25', Add</i>	15.06			
<i>For Elevated Installation >25' To 30', Add</i>	21.09			
<i>For Elevated Installation >30' To 35', Add</i>	24.10			
<i>For Elevated Installation >35' To 40', Add</i>	30.13			
<i>For Elevated Installation >40', Add</i>	33.14			
26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0059)				
26 05 33 13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	75.67	18.83
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	89.83	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 05 33 13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	110.10	26.36
		<i>For Work In Restricted Working Space, Add</i>	15.82	
		<i>For Elevated Installation >10' To 15', Add</i>	5.27	
		<i>For Elevated Installation >15' To 20', Add</i>	10.54	
		<i>For Elevated Installation >20' To 25', Add</i>	13.18	
		<i>For Elevated Installation >25' To 30', Add</i>	18.45	
		<i>For Elevated Installation >30' To 35', Add</i>	21.09	
		<i>For Elevated Installation >35' To 40', Add</i>	26.36	
		<i>For Elevated Installation >40', Add</i>	29.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	129.93	30.12
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	172.68	33.89
		<i>For Work In Restricted Working Space, Add</i>	20.33	
		<i>For Elevated Installation >10' To 15', Add</i>	6.78	
		<i>For Elevated Installation >15' To 20', Add</i>	13.56	
		<i>For Elevated Installation >20' To 25', Add</i>	16.95	
		<i>For Elevated Installation >25' To 30', Add</i>	23.72	
		<i>For Elevated Installation >30' To 35', Add</i>	27.11	
		<i>For Elevated Installation >35' To 40', Add</i>	33.89	
		<i>For Elevated Installation >40', Add</i>	37.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.33	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	211.22	37.66
		<i>For Work In Restricted Working Space, Add</i>	22.59	
		<i>For Elevated Installation >10' To 15', Add</i>	7.53	
		<i>For Elevated Installation >15' To 20', Add</i>	15.06	
		<i>For Elevated Installation >20' To 25', Add</i>	18.83	
		<i>For Elevated Installation >25' To 30', Add</i>	26.36	
		<i>For Elevated Installation >30' To 35', Add</i>	30.12	
		<i>For Elevated Installation >35' To 40', Add</i>	37.66	
		<i>For Elevated Installation >40', Add</i>	41.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	301.55	45.19
		<i>For Work In Restricted Working Space, Add</i>	27.11	
		<i>For Elevated Installation >10' To 15', Add</i>	9.04	
		<i>For Elevated Installation >15' To 20', Add</i>	18.08	
		<i>For Elevated Installation >20' To 25', Add</i>	22.60	
		<i>For Elevated Installation >25' To 30', Add</i>	31.63	
		<i>For Elevated Installation >30' To 35', Add</i>	36.15	
		<i>For Elevated Installation >35' To 40', Add</i>	45.19	
		<i>For Elevated Installation >40', Add</i>	49.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.11	
26 05 33 13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	363.38	52.72
		<i>For Work In Restricted Working Space, Add</i>	31.63	
		<i>For Elevated Installation >10' To 15', Add</i>	10.54	
		<i>For Elevated Installation >15' To 20', Add</i>	21.09	
		<i>For Elevated Installation >20' To 25', Add</i>	26.36	
		<i>For Elevated Installation >25' To 30', Add</i>	36.90	
		<i>For Elevated Installation >30' To 35', Add</i>	42.17	
		<i>For Elevated Installation >35' To 40', Add</i>	52.72	
		<i>For Elevated Installation >40', Add</i>	57.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.63	
26 05 33 13-0455	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	864.44	60.25
		<i>For Work In Restricted Working Space, Add</i>	36.15	
		<i>For Elevated Installation >10' To 15', Add</i>	12.05	
		<i>For Elevated Installation >15' To 20', Add</i>	24.10	
		<i>For Elevated Installation >20' To 25', Add</i>	30.13	
		<i>For Elevated Installation >25' To 30', Add</i>	42.18	
		<i>For Elevated Installation >30' To 35', Add</i>	48.20	
		<i>For Elevated Installation >35' To 40', Add</i>	60.25	
		<i>For Elevated Installation >40', Add</i>	66.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.15	
26 05 33 13-0456	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	996.57	67.78
		<i>For Work In Restricted Working Space, Add</i>	40.67	
		<i>For Elevated Installation >10' To 15', Add</i>	13.56	
		<i>For Elevated Installation >15' To 20', Add</i>	27.11	
		<i>For Elevated Installation >20' To 25', Add</i>	33.89	
		<i>For Elevated Installation >25' To 30', Add</i>	47.45	
		<i>For Elevated Installation >30' To 35', Add</i>	54.23	
		<i>For Elevated Installation >35' To 40', Add</i>	67.79	
		<i>For Elevated Installation >40', Add</i>	74.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	
26 05 33 13-0457		Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0059)</small>		
26 05 33 13-0458	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	9.87	4.52
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	
26 05 33 13-0459	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	13.86	6.40
		<i>For Work In Restricted Working Space, Add</i>	3.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.56	
		<i>For Elevated Installation >20' To 25', Add</i>	3.20	
		<i>For Elevated Installation >25' To 30', Add</i>	4.48	
		<i>For Elevated Installation >30' To 35', Add</i>	5.12	
		<i>For Elevated Installation >35' To 40', Add</i>	6.41	
		<i>For Elevated Installation >40', Add</i>	7.05	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0460	EA			1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	18.17	8.28
				<i>For Work In Restricted Working Space, Add</i>	4.97	
				<i>For Elevated Installation >10' To 15', Add</i>	1.66	
				<i>For Elevated Installation >15' To 20', Add</i>	3.31	
				<i>For Elevated Installation >20' To 25', Add</i>	4.14	
				<i>For Elevated Installation >25' To 30', Add</i>	5.80	
				<i>For Elevated Installation >30' To 35', Add</i>	6.63	
				<i>For Elevated Installation >35' To 40', Add</i>	8.29	
				<i>For Elevated Installation >40', Add</i>	9.11	
26 05 33 13-0461	EA			1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.85	9.42
				<i>For Work In Restricted Working Space, Add</i>	5.65	
				<i>For Elevated Installation >10' To 15', Add</i>	1.88	
				<i>For Elevated Installation >15' To 20', Add</i>	3.77	
				<i>For Elevated Installation >20' To 25', Add</i>	4.71	
				<i>For Elevated Installation >25' To 30', Add</i>	6.59	
				<i>For Elevated Installation >30' To 35', Add</i>	7.53	
				<i>For Elevated Installation >35' To 40', Add</i>	9.42	
				<i>For Elevated Installation >40', Add</i>	10.36	
26 05 33 13-0462	EA			1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	25.12	11.29
				<i>For Work In Restricted Working Space, Add</i>	6.78	
				<i>For Elevated Installation >10' To 15', Add</i>	2.26	
				<i>For Elevated Installation >15' To 20', Add</i>	4.52	
				<i>For Elevated Installation >20' To 25', Add</i>	5.65	
				<i>For Elevated Installation >25' To 30', Add</i>	7.91	
				<i>For Elevated Installation >30' To 35', Add</i>	9.04	
				<i>For Elevated Installation >35' To 40', Add</i>	11.30	
				<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33 13-0463	EA			2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	29.38	12.81
				<i>For Work In Restricted Working Space, Add</i>	7.68	
				<i>For Elevated Installation >10' To 15', Add</i>	2.56	
				<i>For Elevated Installation >15' To 20', Add</i>	5.12	
				<i>For Elevated Installation >20' To 25', Add</i>	6.40	
				<i>For Elevated Installation >25' To 30', Add</i>	8.96	
				<i>For Elevated Installation >30' To 35', Add</i>	10.24	
				<i>For Elevated Installation >35' To 40', Add</i>	12.81	
				<i>For Elevated Installation >40', Add</i>	14.09	
26 05 33 13-0464	EA			2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	37.09	14.31
				<i>For Work In Restricted Working Space, Add</i>	8.59	
				<i>For Elevated Installation >10' To 15', Add</i>	2.86	
				<i>For Elevated Installation >15' To 20', Add</i>	5.72	
				<i>For Elevated Installation >20' To 25', Add</i>	7.16	
				<i>For Elevated Installation >25' To 30', Add</i>	10.02	
				<i>For Elevated Installation >30' To 35', Add</i>	11.45	
				<i>For Elevated Installation >35' To 40', Add</i>	14.31	
				<i>For Elevated Installation >40', Add</i>	15.74	
26 05 33 13-0465	EA			3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	43.40	16.19
				<i>For Work In Restricted Working Space, Add</i>	9.71	
				<i>For Elevated Installation >10' To 15', Add</i>	3.24	
				<i>For Elevated Installation >15' To 20', Add</i>	6.48	
				<i>For Elevated Installation >20' To 25', Add</i>	8.10	
				<i>For Elevated Installation >25' To 30', Add</i>	11.33	
				<i>For Elevated Installation >30' To 35', Add</i>	12.95	
				<i>For Elevated Installation >35' To 40', Add</i>	16.19	
				<i>For Elevated Installation >40', Add</i>	17.81	
26 05 33 13-0466	EA			3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	50.27	17.70
				<i>For Work In Restricted Working Space, Add</i>	10.62	
				<i>For Elevated Installation >10' To 15', Add</i>	3.54	
				<i>For Elevated Installation >15' To 20', Add</i>	7.08	
				<i>For Elevated Installation >20' To 25', Add</i>	8.85	
				<i>For Elevated Installation >25' To 30', Add</i>	12.39	
				<i>For Elevated Installation >30' To 35', Add</i>	14.16	
				<i>For Elevated Installation >35' To 40', Add</i>	17.70	
				<i>For Elevated Installation >40', Add</i>	19.46	
26 05 33 13-0467	EA			4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	53.16	18.83
				<i>For Work In Restricted Working Space, Add</i>	11.30	
				<i>For Elevated Installation >10' To 15', Add</i>	3.77	
				<i>For Elevated Installation >15' To 20', Add</i>	7.53	
				<i>For Elevated Installation >20' To 25', Add</i>	9.42	
				<i>For Elevated Installation >25' To 30', Add</i>	13.18	
				<i>For Elevated Installation >30' To 35', Add</i>	15.06	
				<i>For Elevated Installation >35' To 40', Add</i>	18.83	
				<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0468				Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0059)</small>		
26 05 33 13-0469	EA			1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.25	0.75
26 05 33 13-0470	EA			3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.12	1.13
26 05 33 13-0471	EA			1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.17	1.89
26 05 33 13-0472	EA			1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.47	2.64
26 05 33 13-0473	EA			1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.93	3.01
26 05 33 13-0474	EA			2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.48	3.39
26 05 33 13-0475				Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0059)</small>		

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0476	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	174.29	9.14
		<i>For Work In Restricted Working Space, Add</i>	6.86	
		<i>For Elevated Installation >10' To 15', Add</i>	2.29	
		<i>For Elevated Installation >15' To 20', Add</i>	4.57	
		<i>For Elevated Installation >20' To 25', Add</i>	5.71	
		<i>For Elevated Installation >25' To 30', Add</i>	8.00	
		<i>For Elevated Installation >30' To 35', Add</i>	9.14	
		<i>For Elevated Installation >35' To 40', Add</i>	11.43	
		<i>For Elevated Installation >40', Add</i>	12.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.86	
26 05 33 13-0477	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	176.49	10.02
		<i>For Work In Restricted Working Space, Add</i>	7.52	
		<i>For Elevated Installation >10' To 15', Add</i>	2.51	
		<i>For Elevated Installation >15' To 20', Add</i>	5.01	
		<i>For Elevated Installation >20' To 25', Add</i>	6.26	
		<i>For Elevated Installation >25' To 30', Add</i>	8.77	
		<i>For Elevated Installation >30' To 35', Add</i>	10.02	
		<i>For Elevated Installation >35' To 40', Add</i>	12.53	
		<i>For Elevated Installation >40', Add</i>	13.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.52	
26 05 33 13-0478	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	212.79	10.99
		<i>For Work In Restricted Working Space, Add</i>	8.23	
		<i>For Elevated Installation >10' To 15', Add</i>	2.74	
		<i>For Elevated Installation >15' To 20', Add</i>	5.49	
		<i>For Elevated Installation >20' To 25', Add</i>	6.86	
		<i>For Elevated Installation >25' To 30', Add</i>	9.60	
		<i>For Elevated Installation >30' To 35', Add</i>	10.98	
		<i>For Elevated Installation >35' To 40', Add</i>	13.72	
		<i>For Elevated Installation >40', Add</i>	15.09	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.23	
26 05 33 13-0479	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	233.58	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.05	
		<i>For Elevated Installation >10' To 15', Add</i>	3.02	
		<i>For Elevated Installation >15' To 20', Add</i>	6.03	
		<i>For Elevated Installation >20' To 25', Add</i>	7.54	
		<i>For Elevated Installation >25' To 30', Add</i>	10.55	
		<i>For Elevated Installation >30' To 35', Add</i>	12.06	
		<i>For Elevated Installation >35' To 40', Add</i>	15.08	
		<i>For Elevated Installation >40', Add</i>	16.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.05	
26 05 33 13-0480	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	266.71	13.56
		<i>For Work In Restricted Working Space, Add</i>	10.17	
		<i>For Elevated Installation >10' To 15', Add</i>	3.39	
		<i>For Elevated Installation >15' To 20', Add</i>	6.78	
		<i>For Elevated Installation >20' To 25', Add</i>	8.47	
		<i>For Elevated Installation >25' To 30', Add</i>	11.86	
		<i>For Elevated Installation >30' To 35', Add</i>	13.56	
		<i>For Elevated Installation >35' To 40', Add</i>	16.95	
		<i>For Elevated Installation >40', Add</i>	18.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.17	
26 05 33 13-0481	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	399.34	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.54	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.19	
		<i>For Elevated Installation >30' To 35', Add</i>	15.07	
		<i>For Elevated Installation >35' To 40', Add</i>	18.84	
		<i>For Elevated Installation >40', Add</i>	20.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0482	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	457.11	20.11
		<i>For Work In Restricted Working Space, Add</i>	15.07	
		<i>For Elevated Installation >10' To 15', Add</i>	5.02	
		<i>For Elevated Installation >15' To 20', Add</i>	10.05	
		<i>For Elevated Installation >20' To 25', Add</i>	12.56	
		<i>For Elevated Installation >25' To 30', Add</i>	17.58	
		<i>For Elevated Installation >30' To 35', Add</i>	20.10	
		<i>For Elevated Installation >35' To 40', Add</i>	25.12	
		<i>For Elevated Installation >40', Add</i>	27.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.07	
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	507.28	22.06
		<i>For Work In Restricted Working Space, Add</i>	16.56	
		<i>For Elevated Installation >10' To 15', Add</i>	5.52	
		<i>For Elevated Installation >15' To 20', Add</i>	11.04	
		<i>For Elevated Installation >20' To 25', Add</i>	13.80	
		<i>For Elevated Installation >25' To 30', Add</i>	19.32	
		<i>For Elevated Installation >30' To 35', Add</i>	22.08	
		<i>For Elevated Installation >35' To 40', Add</i>	27.61	
		<i>For Elevated Installation >40', Add</i>	30.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.56	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	591.45	24.10
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.07	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0485	EA			4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	666.78	27.11
				<i>For Work In Restricted Working Space, Add</i>	20.33	
				<i>For Elevated Installation >10' To 15', Add</i>	6.78	
				<i>For Elevated Installation >15' To 20', Add</i>	13.56	
				<i>For Elevated Installation >20' To 25', Add</i>	16.95	
				<i>For Elevated Installation >25' To 30', Add</i>	23.72	
				<i>For Elevated Installation >30' To 35', Add</i>	27.11	
				<i>For Elevated Installation >35' To 40', Add</i>	33.89	
				<i>For Elevated Installation >40', Add</i>	37.28	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.33	
26 05 33 13-0486	EA			5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	900.35	30.12
				<i>For Work In Restricted Working Space, Add</i>	22.59	
				<i>For Elevated Installation >10' To 15', Add</i>	7.53	
				<i>For Elevated Installation >15' To 20', Add</i>	15.06	
				<i>For Elevated Installation >20' To 25', Add</i>	18.83	
				<i>For Elevated Installation >25' To 30', Add</i>	26.36	
				<i>For Elevated Installation >30' To 35', Add</i>	30.12	
				<i>For Elevated Installation >35' To 40', Add</i>	37.66	
				<i>For Elevated Installation >40', Add</i>	41.42	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-0487	EA			6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,123.37	33.43
				<i>For Work In Restricted Working Space, Add</i>	25.08	
				<i>For Elevated Installation >10' To 15', Add</i>	8.36	
				<i>For Elevated Installation >15' To 20', Add</i>	16.72	
				<i>For Elevated Installation >20' To 25', Add</i>	20.90	
				<i>For Elevated Installation >25' To 30', Add</i>	29.26	
				<i>For Elevated Installation >30' To 35', Add</i>	33.44	
				<i>For Elevated Installation >35' To 40', Add</i>	41.80	
				<i>For Elevated Installation >40', Add</i>	45.98	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.08	

26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0059)

26 05 33 13-0489	EA			3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.24	5.84
				<i>For Work In Restricted Working Space, Add</i>	3.50	
				<i>For Elevated Installation >10' To 15', Add</i>	1.17	
				<i>For Elevated Installation >15' To 20', Add</i>	2.33	
				<i>For Elevated Installation >20' To 25', Add</i>	2.92	
				<i>For Elevated Installation >25' To 30', Add</i>	4.08	
				<i>For Elevated Installation >30' To 35', Add</i>	4.67	
				<i>For Elevated Installation >35' To 40', Add</i>	5.84	
				<i>For Elevated Installation >40', Add</i>	6.42	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0490	EA			1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.48	6.21
				<i>For Work In Restricted Working Space, Add</i>	3.73	
				<i>For Elevated Installation >10' To 15', Add</i>	1.24	
				<i>For Elevated Installation >15' To 20', Add</i>	2.49	
				<i>For Elevated Installation >20' To 25', Add</i>	3.11	
				<i>For Elevated Installation >25' To 30', Add</i>	4.35	
				<i>For Elevated Installation >30' To 35', Add</i>	4.97	
				<i>For Elevated Installation >35' To 40', Add</i>	6.22	
				<i>For Elevated Installation >40', Add</i>	6.84	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.73	
26 05 33 13-0491	EA			1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.86	6.40
				<i>For Work In Restricted Working Space, Add</i>	3.84	
				<i>For Elevated Installation >10' To 15', Add</i>	1.28	
				<i>For Elevated Installation >15' To 20', Add</i>	2.56	
				<i>For Elevated Installation >20' To 25', Add</i>	3.20	
				<i>For Elevated Installation >25' To 30', Add</i>	4.48	
				<i>For Elevated Installation >30' To 35', Add</i>	5.12	
				<i>For Elevated Installation >35' To 40', Add</i>	6.41	
				<i>For Elevated Installation >40', Add</i>	7.05	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33 13-0492	EA			1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	15.91	6.59
				<i>For Work In Restricted Working Space, Add</i>	3.95	
				<i>For Elevated Installation >10' To 15', Add</i>	1.32	
				<i>For Elevated Installation >15' To 20', Add</i>	2.64	
				<i>For Elevated Installation >20' To 25', Add</i>	3.30	
				<i>For Elevated Installation >25' To 30', Add</i>	4.61	
				<i>For Elevated Installation >30' To 35', Add</i>	5.27	
				<i>For Elevated Installation >35' To 40', Add</i>	6.59	
				<i>For Elevated Installation >40', Add</i>	7.25	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0493	EA			1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.29	6.78
				<i>For Work In Restricted Working Space, Add</i>	4.07	
				<i>For Elevated Installation >10' To 15', Add</i>	1.36	
				<i>For Elevated Installation >15' To 20', Add</i>	2.71	
				<i>For Elevated Installation >20' To 25', Add</i>	3.39	
				<i>For Elevated Installation >25' To 30', Add</i>	4.75	
				<i>For Elevated Installation >30' To 35', Add</i>	5.42	
				<i>For Elevated Installation >35' To 40', Add</i>	6.78	
				<i>For Elevated Installation >40', Add</i>	7.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0494	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	17.04	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.38	7.53
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	18.75	7.72
		<i>For Work In Restricted Working Space, Add</i>	4.63	
		<i>For Elevated Installation >10' To 15', Add</i>	1.54	
		<i>For Elevated Installation >15' To 20', Add</i>	3.09	
		<i>For Elevated Installation >20' To 25', Add</i>	3.86	
		<i>For Elevated Installation >25' To 30', Add</i>	5.40	
		<i>For Elevated Installation >30' To 35', Add</i>	6.18	
		<i>For Elevated Installation >35' To 40', Add</i>	7.72	
		<i>For Elevated Installation >40', Add</i>	8.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 33 13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	19.50	8.10
		<i>For Work In Restricted Working Space, Add</i>	4.86	
		<i>For Elevated Installation >10' To 15', Add</i>	1.62	
		<i>For Elevated Installation >15' To 20', Add</i>	3.24	
		<i>For Elevated Installation >20' To 25', Add</i>	4.05	
		<i>For Elevated Installation >25' To 30', Add</i>	5.67	
		<i>For Elevated Installation >30' To 35', Add</i>	6.48	
		<i>For Elevated Installation >35' To 40', Add</i>	8.10	
		<i>For Elevated Installation >40', Add</i>	8.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-0498	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	20.25	8.47
		<i>For Work In Restricted Working Space, Add</i>	5.08	
		<i>For Elevated Installation >10' To 15', Add</i>	1.69	
		<i>For Elevated Installation >15' To 20', Add</i>	3.39	
		<i>For Elevated Installation >20' To 25', Add</i>	4.24	
		<i>For Elevated Installation >25' To 30', Add</i>	5.93	
		<i>For Elevated Installation >30' To 35', Add</i>	6.78	
		<i>For Elevated Installation >35' To 40', Add</i>	8.47	
		<i>For Elevated Installation >40', Add</i>	9.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.08	
26 05 33 13-0499	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.20	8.47
		<i>For Work In Restricted Working Space, Add</i>	5.08	
		<i>For Elevated Installation >10' To 15', Add</i>	1.69	
		<i>For Elevated Installation >15' To 20', Add</i>	3.39	
		<i>For Elevated Installation >20' To 25', Add</i>	4.24	
		<i>For Elevated Installation >25' To 30', Add</i>	5.93	
		<i>For Elevated Installation >30' To 35', Add</i>	6.78	
		<i>For Elevated Installation >35' To 40', Add</i>	8.47	
		<i>For Elevated Installation >40', Add</i>	9.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.08	
26 05 33 13-0500	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.58	8.66
		<i>For Work In Restricted Working Space, Add</i>	5.20	
		<i>For Elevated Installation >10' To 15', Add</i>	1.73	
		<i>For Elevated Installation >15' To 20', Add</i>	3.46	
		<i>For Elevated Installation >20' To 25', Add</i>	4.33	
		<i>For Elevated Installation >25' To 30', Add</i>	6.06	
		<i>For Elevated Installation >30' To 35', Add</i>	6.93	
		<i>For Elevated Installation >35' To 40', Add</i>	8.66	
		<i>For Elevated Installation >40', Add</i>	9.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.20	
26 05 33 13-0501	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	25.34	9.03
		<i>For Work In Restricted Working Space, Add</i>	5.42	
		<i>For Elevated Installation >10' To 15', Add</i>	1.81	
		<i>For Elevated Installation >15' To 20', Add</i>	3.62	
		<i>For Elevated Installation >20' To 25', Add</i>	4.52	
		<i>For Elevated Installation >25' To 30', Add</i>	6.33	
		<i>For Elevated Installation >30' To 35', Add</i>	7.23	
		<i>For Elevated Installation >35' To 40', Add</i>	9.04	
		<i>For Elevated Installation >40', Add</i>	9.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.42	
26 05 33 13-0502	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.09	9.42
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0503	EA			2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	27.97	10.36
				<i>For Work In Restricted Working Space, Add</i>	6.21	
				<i>For Elevated Installation >10' To 15', Add</i>	2.07	
				<i>For Elevated Installation >15' To 20', Add</i>	4.14	
				<i>For Elevated Installation >20' To 25', Add</i>	5.18	
				<i>For Elevated Installation >25' To 30', Add</i>	7.25	
				<i>For Elevated Installation >30' To 35', Add</i>	8.28	
				<i>For Elevated Installation >35' To 40', Add</i>	10.36	
				<i>For Elevated Installation >40', Add</i>	11.39	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.21	
26 05 33 13-0504	EA			2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	35.24	12.24
				<i>For Work In Restricted Working Space, Add</i>	7.34	
				<i>For Elevated Installation >10' To 15', Add</i>	2.45	
				<i>For Elevated Installation >15' To 20', Add</i>	4.90	
				<i>For Elevated Installation >20' To 25', Add</i>	6.12	
				<i>For Elevated Installation >25' To 30', Add</i>	8.57	
				<i>For Elevated Installation >30' To 35', Add</i>	9.79	
				<i>For Elevated Installation >35' To 40', Add</i>	12.24	
				<i>For Elevated Installation >40', Add</i>	13.46	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0059)</small>						
26 05 33 13-0506	EA			1/2" Rigid Galvanized Steel (RGS) Locknuts.....	1.56	0.75
				<i>For Work In Restricted Working Space, Add</i>	0.45	
				<i>For Elevated Installation >10' To 15', Add</i>	0.15	
				<i>For Elevated Installation >15' To 20', Add</i>	0.30	
				<i>For Elevated Installation >20' To 25', Add</i>	0.38	
				<i>For Elevated Installation >25' To 30', Add</i>	0.53	
				<i>For Elevated Installation >30' To 35', Add</i>	0.60	
				<i>For Elevated Installation >35' To 40', Add</i>	0.76	
				<i>For Elevated Installation >40', Add</i>	0.83	
26 05 33 13-0507	EA			3/4" Rigid Galvanized Steel (RGS) Locknuts.....	2.33	1.13
				<i>For Work In Restricted Working Space, Add</i>	0.68	
				<i>For Elevated Installation >10' To 15', Add</i>	0.23	
				<i>For Elevated Installation >15' To 20', Add</i>	0.45	
				<i>For Elevated Installation >20' To 25', Add</i>	0.57	
				<i>For Elevated Installation >25' To 30', Add</i>	0.79	
				<i>For Elevated Installation >30' To 35', Add</i>	0.90	
				<i>For Elevated Installation >35' To 40', Add</i>	1.13	
				<i>For Elevated Installation >40', Add</i>	1.24	
26 05 33 13-0508	EA			1" Rigid Galvanized Steel (RGS) Locknuts.....	3.88	1.89
				<i>For Work In Restricted Working Space, Add</i>	1.13	
				<i>For Elevated Installation >10' To 15', Add</i>	0.38	
				<i>For Elevated Installation >15' To 20', Add</i>	0.75	
				<i>For Elevated Installation >20' To 25', Add</i>	0.94	
				<i>For Elevated Installation >25' To 30', Add</i>	1.32	
				<i>For Elevated Installation >30' To 35', Add</i>	1.50	
				<i>For Elevated Installation >35' To 40', Add</i>	1.88	
				<i>For Elevated Installation >40', Add</i>	2.07	
26 05 33 13-0509	EA			1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	5.47	2.64
				<i>For Work In Restricted Working Space, Add</i>	1.58	
				<i>For Elevated Installation >10' To 15', Add</i>	0.53	
				<i>For Elevated Installation >15' To 20', Add</i>	1.05	
				<i>For Elevated Installation >20' To 25', Add</i>	1.32	
				<i>For Elevated Installation >25' To 30', Add</i>	1.84	
				<i>For Elevated Installation >30' To 35', Add</i>	2.11	
				<i>For Elevated Installation >35' To 40', Add</i>	2.64	
				<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0510	EA			1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	6.28	3.01
				<i>For Work In Restricted Working Space, Add</i>	1.81	
				<i>For Elevated Installation >10' To 15', Add</i>	0.60	
				<i>For Elevated Installation >15' To 20', Add</i>	1.20	
				<i>For Elevated Installation >20' To 25', Add</i>	1.51	
				<i>For Elevated Installation >25' To 30', Add</i>	2.11	
				<i>For Elevated Installation >30' To 35', Add</i>	2.41	
				<i>For Elevated Installation >35' To 40', Add</i>	3.01	
				<i>For Elevated Installation >40', Add</i>	3.31	
26 05 33 13-0511	EA			2" Rigid Galvanized Steel (RGS) Locknuts.....	7.10	3.39
				<i>For Work In Restricted Working Space, Add</i>	2.03	
				<i>For Elevated Installation >10' To 15', Add</i>	0.68	
				<i>For Elevated Installation >15' To 20', Add</i>	1.36	
				<i>For Elevated Installation >20' To 25', Add</i>	1.70	
				<i>For Elevated Installation >25' To 30', Add</i>	2.37	
				<i>For Elevated Installation >30' To 35', Add</i>	2.71	
				<i>For Elevated Installation >35' To 40', Add</i>	3.39	
				<i>For Elevated Installation >40', Add</i>	3.73	
26 05 33 13-0512	EA			2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	9.89	4.52
				<i>For Work In Restricted Working Space, Add</i>	2.71	
				<i>For Elevated Installation >10' To 15', Add</i>	0.90	
				<i>For Elevated Installation >15' To 20', Add</i>	1.81	
				<i>For Elevated Installation >20' To 25', Add</i>	2.26	
				<i>For Elevated Installation >25' To 30', Add</i>	3.16	
				<i>For Elevated Installation >30' To 35', Add</i>	3.61	
				<i>For Elevated Installation >35' To 40', Add</i>	4.52	
				<i>For Elevated Installation >40', Add</i>	4.97	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0513	EA	3" Rigid Galvanized Steel (RGS) Locknuts	12.24	5.65
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.82	
		<i>For Elevated Installation >25' To 30', Add</i>	3.95	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.21	
26 05 33 13-0514	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	14.39	6.40
		<i>For Work In Restricted Working Space, Add</i>	3.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.56	
		<i>For Elevated Installation >20' To 25', Add</i>	3.20	
		<i>For Elevated Installation >25' To 30', Add</i>	4.48	
		<i>For Elevated Installation >30' To 35', Add</i>	5.12	
		<i>For Elevated Installation >35' To 40', Add</i>	6.41	
		<i>For Elevated Installation >40', Add</i>	7.05	
26 05 33 13-0515	EA	4" Rigid Galvanized Steel (RGS) Locknuts	16.13	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
26 05 33 13-0516		Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0059)</small>		
26 05 33 13-0517	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	2.30	0.75
		<i>For Work In Restricted Working Space, Add</i>	0.45	
		<i>For Elevated Installation >10' To 15', Add</i>	0.15	
		<i>For Elevated Installation >15' To 20', Add</i>	0.30	
		<i>For Elevated Installation >20' To 25', Add</i>	0.38	
		<i>For Elevated Installation >25' To 30', Add</i>	0.53	
		<i>For Elevated Installation >30' To 35', Add</i>	0.60	
		<i>For Elevated Installation >35' To 40', Add</i>	0.76	
		<i>For Elevated Installation >40', Add</i>	0.83	
26 05 33 13-0518	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.20	1.13
		<i>For Work In Restricted Working Space, Add</i>	0.68	
		<i>For Elevated Installation >10' To 15', Add</i>	0.23	
		<i>For Elevated Installation >15' To 20', Add</i>	0.45	
		<i>For Elevated Installation >20' To 25', Add</i>	0.57	
		<i>For Elevated Installation >25' To 30', Add</i>	0.79	
		<i>For Elevated Installation >30' To 35', Add</i>	0.90	
		<i>For Elevated Installation >35' To 40', Add</i>	1.13	
		<i>For Elevated Installation >40', Add</i>	1.24	
26 05 33 13-0519	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.11	1.89
		<i>For Work In Restricted Working Space, Add</i>	1.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.38	
		<i>For Elevated Installation >15' To 20', Add</i>	0.75	
		<i>For Elevated Installation >20' To 25', Add</i>	0.94	
		<i>For Elevated Installation >25' To 30', Add</i>	1.32	
		<i>For Elevated Installation >30' To 35', Add</i>	1.50	
		<i>For Elevated Installation >35' To 40', Add</i>	1.88	
		<i>For Elevated Installation >40', Add</i>	2.07	
26 05 33 13-0520	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.15	2.64
		<i>For Work In Restricted Working Space, Add</i>	1.58	
		<i>For Elevated Installation >10' To 15', Add</i>	0.53	
		<i>For Elevated Installation >15' To 20', Add</i>	1.05	
		<i>For Elevated Installation >20' To 25', Add</i>	1.32	
		<i>For Elevated Installation >25' To 30', Add</i>	1.84	
		<i>For Elevated Installation >30' To 35', Add</i>	2.11	
		<i>For Elevated Installation >35' To 40', Add</i>	2.64	
		<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0521	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.08	3.01
		<i>For Work In Restricted Working Space, Add</i>	1.81	
		<i>For Elevated Installation >10' To 15', Add</i>	0.60	
		<i>For Elevated Installation >15' To 20', Add</i>	1.20	
		<i>For Elevated Installation >20' To 25', Add</i>	1.51	
		<i>For Elevated Installation >25' To 30', Add</i>	2.11	
		<i>For Elevated Installation >30' To 35', Add</i>	2.41	
		<i>For Elevated Installation >35' To 40', Add</i>	3.01	
		<i>For Elevated Installation >40', Add</i>	3.31	
26 05 33 13-0522	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.47	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.03	
		<i>For Elevated Installation >10' To 15', Add</i>	0.68	
		<i>For Elevated Installation >15' To 20', Add</i>	1.36	
		<i>For Elevated Installation >20' To 25', Add</i>	1.70	
		<i>For Elevated Installation >25' To 30', Add</i>	2.37	
		<i>For Elevated Installation >30' To 35', Add</i>	2.71	
		<i>For Elevated Installation >35' To 40', Add</i>	3.39	
		<i>For Elevated Installation >40', Add</i>	3.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 13-0523	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	14.02	4.52
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Elevated Installation >10' To 15', Add</i>	0.90	
			<i>For Elevated Installation >15' To 20', Add</i>	1.81	
			<i>For Elevated Installation >20' To 25', Add</i>	2.26	
			<i>For Elevated Installation >25' To 30', Add</i>	3.16	
			<i>For Elevated Installation >30' To 35', Add</i>	3.61	
			<i>For Elevated Installation >35' To 40', Add</i>	4.52	
			<i>For Elevated Installation >40', Add</i>	4.97	
26 05 33 13-0524	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts	17.63	5.65
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Elevated Installation >10' To 15', Add</i>	1.13	
			<i>For Elevated Installation >15' To 20', Add</i>	2.26	
			<i>For Elevated Installation >20' To 25', Add</i>	2.82	
			<i>For Elevated Installation >25' To 30', Add</i>	3.95	
			<i>For Elevated Installation >30' To 35', Add</i>	4.52	
			<i>For Elevated Installation >35' To 40', Add</i>	5.65	
			<i>For Elevated Installation >40', Add</i>	6.21	
26 05 33 13-0525	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	23.10	6.40
			<i>For Work In Restricted Working Space, Add</i>	3.84	
			<i>For Elevated Installation >10' To 15', Add</i>	1.28	
			<i>For Elevated Installation >15' To 20', Add</i>	2.56	
			<i>For Elevated Installation >20' To 25', Add</i>	3.20	
			<i>For Elevated Installation >25' To 30', Add</i>	4.48	
			<i>For Elevated Installation >30' To 35', Add</i>	5.12	
			<i>For Elevated Installation >35' To 40', Add</i>	6.41	
			<i>For Elevated Installation >40', Add</i>	7.05	
26 05 33 13-0526	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts	27.58	7.16
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Elevated Installation >10' To 15', Add</i>	1.43	
			<i>For Elevated Installation >15' To 20', Add</i>	2.86	
			<i>For Elevated Installation >20' To 25', Add</i>	3.58	
			<i>For Elevated Installation >25' To 30', Add</i>	5.01	
			<i>For Elevated Installation >30' To 35', Add</i>	5.72	
			<i>For Elevated Installation >35' To 40', Add</i>	7.16	
			<i>For Elevated Installation >40', Add</i>	7.87	
26 05 33 13-0527			Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0059)</small>	6.49	2.26
26 05 33 13-0528	EA		1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	8.16	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.36	
			<i>For Elevated Installation >10' To 15', Add</i>	0.45	
			<i>For Elevated Installation >15' To 20', Add</i>	0.90	
			<i>For Elevated Installation >20' To 25', Add</i>	1.13	
			<i>For Elevated Installation >25' To 30', Add</i>	1.58	
			<i>For Elevated Installation >30' To 35', Add</i>	1.81	
			<i>For Elevated Installation >35' To 40', Add</i>	2.26	
			<i>For Elevated Installation >40', Add</i>	2.49	
26 05 33 13-0529	EA		3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	10.41	3.76
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Elevated Installation >10' To 15', Add</i>	0.60	
			<i>For Elevated Installation >15' To 20', Add</i>	1.20	
			<i>For Elevated Installation >20' To 25', Add</i>	1.51	
			<i>For Elevated Installation >25' To 30', Add</i>	2.11	
			<i>For Elevated Installation >30' To 35', Add</i>	2.41	
			<i>For Elevated Installation >35' To 40', Add</i>	3.01	
			<i>For Elevated Installation >40', Add</i>	3.31	
26 05 33 13-0530	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	15.26	6.02
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Elevated Installation >10' To 15', Add</i>	0.75	
			<i>For Elevated Installation >15' To 20', Add</i>	1.51	
			<i>For Elevated Installation >20' To 25', Add</i>	1.88	
			<i>For Elevated Installation >25' To 30', Add</i>	2.64	
			<i>For Elevated Installation >30' To 35', Add</i>	3.01	
			<i>For Elevated Installation >35' To 40', Add</i>	3.77	
			<i>For Elevated Installation >40', Add</i>	4.14	
26 05 33 13-0531	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	17.20	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Elevated Installation >10' To 15', Add</i>	1.21	
			<i>For Elevated Installation >15' To 20', Add</i>	2.41	
			<i>For Elevated Installation >20' To 25', Add</i>	3.01	
			<i>For Elevated Installation >25' To 30', Add</i>	4.22	
			<i>For Elevated Installation >30' To 35', Add</i>	4.82	
			<i>For Elevated Installation >35' To 40', Add</i>	6.03	
			<i>For Elevated Installation >40', Add</i>	6.63	
26 05 33 13-0532	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	17.20	6.78
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Elevated Installation >10' To 15', Add</i>	1.36	
			<i>For Elevated Installation >15' To 20', Add</i>	2.71	
			<i>For Elevated Installation >20' To 25', Add</i>	3.39	
			<i>For Elevated Installation >25' To 30', Add</i>	4.75	
			<i>For Elevated Installation >30' To 35', Add</i>	5.42	
			<i>For Elevated Installation >35' To 40', Add</i>	6.78	
			<i>For Elevated Installation >40', Add</i>	7.46	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0533	EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	19.53	7.53
	For Work In Restricted Working Space, Add	4.52	
	For Elevated Installation >10' To 15', Add	1.51	
	For Elevated Installation >15' To 20', Add	3.01	
	For Elevated Installation >20' To 25', Add	3.77	
	For Elevated Installation >25' To 30', Add	5.27	
	For Elevated Installation >30' To 35', Add	6.03	
	For Elevated Installation >35' To 40', Add	7.54	
	For Elevated Installation >40', Add	8.29	
26 05 33 13-0534	EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	26.69	9.03
	For Work In Restricted Working Space, Add	5.42	
	For Elevated Installation >10' To 15', Add	1.81	
	For Elevated Installation >15' To 20', Add	3.62	
	For Elevated Installation >20' To 25', Add	4.52	
	For Elevated Installation >25' To 30', Add	6.33	
	For Elevated Installation >30' To 35', Add	7.23	
	For Elevated Installation >35' To 40', Add	9.04	
	For Elevated Installation >40', Add	9.94	
26 05 33 13-0535	EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	32.46	11.29
	For Work In Restricted Working Space, Add	6.78	
	For Elevated Installation >10' To 15', Add	2.26	
	For Elevated Installation >15' To 20', Add	4.52	
	For Elevated Installation >20' To 25', Add	5.65	
	For Elevated Installation >25' To 30', Add	7.91	
	For Elevated Installation >30' To 35', Add	9.04	
	For Elevated Installation >35' To 40', Add	11.30	
	For Elevated Installation >40', Add	12.42	
26 05 33 13-0536	EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	40.31	15.07
	For Work In Restricted Working Space, Add	9.04	
	For Elevated Installation >10' To 15', Add	3.01	
	For Elevated Installation >15' To 20', Add	6.02	
	For Elevated Installation >20' To 25', Add	7.53	
	For Elevated Installation >25' To 30', Add	10.54	
	For Elevated Installation >30' To 35', Add	12.05	
	For Elevated Installation >35' To 40', Add	15.06	
	For Elevated Installation >40', Add	16.57	
26 05 33 13-0537	EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	49.18	18.83
	For Work In Restricted Working Space, Add	11.30	
	For Elevated Installation >10' To 15', Add	3.77	
	For Elevated Installation >15' To 20', Add	7.53	
	For Elevated Installation >20' To 25', Add	9.42	
	For Elevated Installation >25' To 30', Add	13.18	
	For Elevated Installation >30' To 35', Add	15.06	
	For Elevated Installation >35' To 40', Add	18.83	
	For Elevated Installation >40', Add	20.71	

26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0059)

26 05 33 13-0539	EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	16.79	6.78
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.75	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.46	
26 05 33 13-0540	EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	20.28	7.53
	For Work In Restricted Working Space, Add	4.52	
	For Elevated Installation >10' To 15', Add	1.51	
	For Elevated Installation >15' To 20', Add	3.01	
	For Elevated Installation >20' To 25', Add	3.77	
	For Elevated Installation >25' To 30', Add	5.27	
	For Elevated Installation >30' To 35', Add	6.03	
	For Elevated Installation >35' To 40', Add	7.54	
	For Elevated Installation >40', Add	8.29	
26 05 33 13-0541	EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	26.96	9.42
	For Work In Restricted Working Space, Add	5.65	
	For Elevated Installation >10' To 15', Add	1.88	
	For Elevated Installation >15' To 20', Add	3.77	
	For Elevated Installation >20' To 25', Add	4.71	
	For Elevated Installation >25' To 30', Add	6.59	
	For Elevated Installation >30' To 35', Add	7.53	
	For Elevated Installation >35' To 40', Add	9.42	
	For Elevated Installation >40', Add	10.36	
26 05 33 13-0542	EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	37.90	11.29
	For Work In Restricted Working Space, Add	6.78	
	For Elevated Installation >10' To 15', Add	2.26	
	For Elevated Installation >15' To 20', Add	4.52	
	For Elevated Installation >20' To 25', Add	5.65	
	For Elevated Installation >25' To 30', Add	7.91	
	For Elevated Installation >30' To 35', Add	9.04	
	For Elevated Installation >35' To 40', Add	11.30	
	For Elevated Installation >40', Add	12.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	51.32	15.07
For Work In Restricted Working Space, Add	9.04	
For Elevated Installation >10' To 15', Add	3.01	
For Elevated Installation >15' To 20', Add	6.02	
For Elevated Installation >20' To 25', Add	7.53	
For Elevated Installation >25' To 30', Add	10.54	
For Elevated Installation >30' To 35', Add	12.05	
For Elevated Installation >35' To 40', Add	15.06	
For Elevated Installation >40', Add	16.57	
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	78.34	18.83
For Work In Restricted Working Space, Add	11.30	
For Elevated Installation >10' To 15', Add	3.77	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.42	
For Elevated Installation >25' To 30', Add	13.18	
For Elevated Installation >30' To 35', Add	15.06	
For Elevated Installation >35' To 40', Add	18.83	
For Elevated Installation >40', Add	20.71	
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	139.03	22.59
For Work In Restricted Working Space, Add	13.56	
For Elevated Installation >10' To 15', Add	4.52	
For Elevated Installation >15' To 20', Add	9.04	
For Elevated Installation >20' To 25', Add	11.30	
For Elevated Installation >25' To 30', Add	15.82	
For Elevated Installation >30' To 35', Add	18.08	
For Elevated Installation >35' To 40', Add	22.60	
For Elevated Installation >40', Add	24.85	
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	177.13	26.36
For Work In Restricted Working Space, Add	15.82	
For Elevated Installation >10' To 15', Add	5.27	
For Elevated Installation >15' To 20', Add	10.54	
For Elevated Installation >20' To 25', Add	13.18	
For Elevated Installation >25' To 30', Add	18.45	
For Elevated Installation >30' To 35', Add	21.09	
For Elevated Installation >35' To 40', Add	26.36	
For Elevated Installation >40', Add	29.00	
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	226.59	32.01
For Work In Restricted Working Space, Add	19.21	
For Elevated Installation >10' To 15', Add	6.40	
For Elevated Installation >15' To 20', Add	12.80	
For Elevated Installation >20' To 25', Add	16.01	
For Elevated Installation >25' To 30', Add	22.41	
For Elevated Installation >30' To 35', Add	25.61	
For Elevated Installation >35' To 40', Add	32.01	
For Elevated Installation >40', Add	35.21	
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	274.34	37.66
For Work In Restricted Working Space, Add	22.59	
For Elevated Installation >10' To 15', Add	7.53	
For Elevated Installation >15' To 20', Add	15.06	
For Elevated Installation >20' To 25', Add	18.83	
For Elevated Installation >25' To 30', Add	26.36	
For Elevated Installation >30' To 35', Add	30.12	
For Elevated Installation >35' To 40', Add	37.66	
For Elevated Installation >40', Add	41.42	
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0059)		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	24.05	9.42
For Work In Restricted Working Space, Add	5.65	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.77	
For Elevated Installation >20' To 25', Add	4.71	
For Elevated Installation >25' To 30', Add	6.59	
For Elevated Installation >30' To 35', Add	7.53	
For Elevated Installation >35' To 40', Add	9.42	
For Elevated Installation >40', Add	10.36	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	30.96	11.29
For Work In Restricted Working Space, Add	6.78	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.52	
For Elevated Installation >20' To 25', Add	5.65	
For Elevated Installation >25' To 30', Add	7.91	
For Elevated Installation >30' To 35', Add	9.04	
For Elevated Installation >35' To 40', Add	11.30	
For Elevated Installation >40', Add	12.42	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	44.72	15.07
For Work In Restricted Working Space, Add	9.04	
For Elevated Installation >10' To 15', Add	3.01	
For Elevated Installation >15' To 20', Add	6.02	
For Elevated Installation >20' To 25', Add	7.53	
For Elevated Installation >25' To 30', Add	10.54	
For Elevated Installation >30' To 35', Add	12.05	
For Elevated Installation >35' To 40', Add	15.06	
For Elevated Installation >40', Add	16.57	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0553	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling.....	59.27	18.83
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0554	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	73.32	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33 13-0555	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling.....	114.24	26.36
		<i>For Work In Restricted Working Space, Add</i>	15.82	
		<i>For Elevated Installation >10' To 15', Add</i>	5.27	
		<i>For Elevated Installation >15' To 20', Add</i>	10.54	
		<i>For Elevated Installation >20' To 25', Add</i>	13.18	
		<i>For Elevated Installation >25' To 30', Add</i>	18.45	
		<i>For Elevated Installation >30' To 35', Add</i>	21.09	
		<i>For Elevated Installation >35' To 40', Add</i>	26.36	
		<i>For Elevated Installation >40', Add</i>	29.00	
26 05 33 13-0556	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	189.83	30.12
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
26 05 33 13-0557	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling.....	223.64	25.99
		<i>For Work In Restricted Working Space, Add</i>	15.59	
		<i>For Elevated Installation >10' To 15', Add</i>	5.20	
		<i>For Elevated Installation >15' To 20', Add</i>	10.39	
		<i>For Elevated Installation >20' To 25', Add</i>	12.99	
		<i>For Elevated Installation >25' To 30', Add</i>	18.19	
		<i>For Elevated Installation >30' To 35', Add</i>	20.78	
		<i>For Elevated Installation >35' To 40', Add</i>	25.98	
		<i>For Elevated Installation >40', Add</i>	28.58	
26 05 33 13-0558	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	305.08	39.54
		<i>For Work In Restricted Working Space, Add</i>	23.72	
		<i>For Elevated Installation >10' To 15', Add</i>	7.91	
		<i>For Elevated Installation >15' To 20', Add</i>	15.82	
		<i>For Elevated Installation >20' To 25', Add</i>	19.77	
		<i>For Elevated Installation >25' To 30', Add</i>	27.68	
		<i>For Elevated Installation >30' To 35', Add</i>	31.63	
		<i>For Elevated Installation >35' To 40', Add</i>	39.54	
		<i>For Elevated Installation >40', Add</i>	43.49	
26 05 33 13-0559	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling.....	379.57	45.19
		<i>For Work In Restricted Working Space, Add</i>	27.11	
		<i>For Elevated Installation >10' To 15', Add</i>	9.04	
		<i>For Elevated Installation >15' To 20', Add</i>	18.08	
		<i>For Elevated Installation >20' To 25', Add</i>	22.60	
		<i>For Elevated Installation >25' To 30', Add</i>	31.63	
		<i>For Elevated Installation >30' To 35', Add</i>	36.15	
		<i>For Elevated Installation >35' To 40', Add</i>	45.19	
		<i>For Elevated Installation >40', Add</i>	49.71	
26 05 33 13-0560		Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0561	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal.....	3.93	1.89
		<i>For Work In Restricted Working Space, Add</i>	1.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.38	
		<i>For Elevated Installation >15' To 20', Add</i>	0.75	
		<i>For Elevated Installation >20' To 25', Add</i>	0.94	
		<i>For Elevated Installation >25' To 30', Add</i>	1.32	
		<i>For Elevated Installation >30' To 35', Add</i>	1.50	
		<i>For Elevated Installation >35' To 40', Add</i>	1.88	
		<i>For Elevated Installation >40', Add</i>	2.07	
26 05 33 13-0562	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal.....	4.74	2.26
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Elevated Installation >10' To 15', Add</i>	0.45	
		<i>For Elevated Installation >15' To 20', Add</i>	0.90	
		<i>For Elevated Installation >20' To 25', Add</i>	1.13	
		<i>For Elevated Installation >25' To 30', Add</i>	1.58	
		<i>For Elevated Installation >30' To 35', Add</i>	1.81	
		<i>For Elevated Installation >35' To 40', Add</i>	2.26	
		<i>For Elevated Installation >40', Add</i>	2.49	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0563	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	5.62	2.64
		<i>For Work In Restricted Working Space, Add</i>	1.58	
		<i>For Elevated Installation >10' To 15', Add</i>	0.53	
		<i>For Elevated Installation >15' To 20', Add</i>	1.05	
		<i>For Elevated Installation >20' To 25', Add</i>	1.32	
		<i>For Elevated Installation >25' To 30', Add</i>	1.84	
		<i>For Elevated Installation >30' To 35', Add</i>	2.11	
		<i>For Elevated Installation >35' To 40', Add</i>	2.64	
		<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0564	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	7.24	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.03	
		<i>For Elevated Installation >10' To 15', Add</i>	0.68	
		<i>For Elevated Installation >15' To 20', Add</i>	1.36	
		<i>For Elevated Installation >20' To 25', Add</i>	1.70	
		<i>For Elevated Installation >25' To 30', Add</i>	2.37	
		<i>For Elevated Installation >30' To 35', Add</i>	2.71	
		<i>For Elevated Installation >35' To 40', Add</i>	3.39	
		<i>For Elevated Installation >40', Add</i>	3.73	
26 05 33 13-0565	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	8.16	3.76
		<i>For Work In Restricted Working Space, Add</i>	2.26	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.51	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.64	
		<i>For Elevated Installation >30' To 35', Add</i>	3.01	
		<i>For Elevated Installation >35' To 40', Add</i>	3.77	
		<i>For Elevated Installation >40', Add</i>	4.14	
26 05 33 13-0566	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	9.92	4.52
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	

26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0059)

26 05 33 13-0568	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	4.76	1.89
		<i>For Work In Restricted Working Space, Add</i>	1.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.38	
		<i>For Elevated Installation >15' To 20', Add</i>	0.75	
		<i>For Elevated Installation >20' To 25', Add</i>	0.94	
		<i>For Elevated Installation >25' To 30', Add</i>	1.32	
		<i>For Elevated Installation >30' To 35', Add</i>	1.50	
		<i>For Elevated Installation >35' To 40', Add</i>	1.88	
		<i>For Elevated Installation >40', Add</i>	2.07	
26 05 33 13-0569	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	5.68	2.26
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Elevated Installation >10' To 15', Add</i>	0.45	
		<i>For Elevated Installation >15' To 20', Add</i>	0.90	
		<i>For Elevated Installation >20' To 25', Add</i>	1.13	
		<i>For Elevated Installation >25' To 30', Add</i>	1.58	
		<i>For Elevated Installation >30' To 35', Add</i>	1.81	
		<i>For Elevated Installation >35' To 40', Add</i>	2.26	
		<i>For Elevated Installation >40', Add</i>	2.49	
26 05 33 13-0570	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	6.87	2.64
		<i>For Work In Restricted Working Space, Add</i>	1.58	
		<i>For Elevated Installation >10' To 15', Add</i>	0.53	
		<i>For Elevated Installation >15' To 20', Add</i>	1.05	
		<i>For Elevated Installation >20' To 25', Add</i>	1.32	
		<i>For Elevated Installation >25' To 30', Add</i>	1.84	
		<i>For Elevated Installation >30' To 35', Add</i>	2.11	
		<i>For Elevated Installation >35' To 40', Add</i>	2.64	
		<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0571	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.84	3.39
		<i>For Work In Restricted Working Space, Add</i>	2.03	
		<i>For Elevated Installation >10' To 15', Add</i>	0.68	
		<i>For Elevated Installation >15' To 20', Add</i>	1.36	
		<i>For Elevated Installation >20' To 25', Add</i>	1.70	
		<i>For Elevated Installation >25' To 30', Add</i>	2.37	
		<i>For Elevated Installation >30' To 35', Add</i>	2.71	
		<i>For Elevated Installation >35' To 40', Add</i>	3.39	
		<i>For Elevated Installation >40', Add</i>	3.73	
26 05 33 13-0572	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	10.83	3.76
		<i>For Work In Restricted Working Space, Add</i>	2.26	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.51	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.64	
		<i>For Elevated Installation >30' To 35', Add</i>	3.01	
		<i>For Elevated Installation >35' To 40', Add</i>	3.77	
		<i>For Elevated Installation >40', Add</i>	4.14	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0573	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal.....	13.09	4.52
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	
26 05 33 13-0574	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	16.06	5.65
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.82	
		<i>For Elevated Installation >25' To 30', Add</i>	3.95	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.21	
26 05 33 13-0575	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal.....	18.77	6.40
		<i>For Work In Restricted Working Space, Add</i>	3.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.56	
		<i>For Elevated Installation >20' To 25', Add</i>	3.20	
		<i>For Elevated Installation >25' To 30', Add</i>	4.48	
		<i>For Elevated Installation >30' To 35', Add</i>	5.12	
		<i>For Elevated Installation >35' To 40', Add</i>	6.41	
		<i>For Elevated Installation >40', Add</i>	7.05	
26 05 33 13-0576	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	22.70	7.16
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
26 05 33 13-0577	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal.....	26.59	7.91
		<i>For Work In Restricted Working Space, Add</i>	4.75	
		<i>For Elevated Installation >10' To 15', Add</i>	1.58	
		<i>For Elevated Installation >15' To 20', Add</i>	3.16	
		<i>For Elevated Installation >20' To 25', Add</i>	3.96	
		<i>For Elevated Installation >25' To 30', Add</i>	5.54	
		<i>For Elevated Installation >30' To 35', Add</i>	6.33	
		<i>For Elevated Installation >35' To 40', Add</i>	7.91	
		<i>For Elevated Installation >40', Add</i>	8.70	

26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)

26 05 33 13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	9.29	4.52
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	10.97	5.27
		<i>For Work In Restricted Working Space, Add</i>	3.16	
		<i>For Elevated Installation >10' To 15', Add</i>	1.05	
		<i>For Elevated Installation >15' To 20', Add</i>	2.11	
		<i>For Elevated Installation >20' To 25', Add</i>	2.64	
		<i>For Elevated Installation >25' To 30', Add</i>	3.69	
		<i>For Elevated Installation >30' To 35', Add</i>	4.22	
		<i>For Elevated Installation >35' To 40', Add</i>	5.27	
		<i>For Elevated Installation >40', Add</i>	5.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	13.74	6.40
		<i>For Work In Restricted Working Space, Add</i>	3.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.56	
		<i>For Elevated Installation >20' To 25', Add</i>	3.20	
		<i>For Elevated Installation >25' To 30', Add</i>	4.48	
		<i>For Elevated Installation >30' To 35', Add</i>	5.12	
		<i>For Elevated Installation >35' To 40', Add</i>	6.41	
		<i>For Elevated Installation >40', Add</i>	7.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33 13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	16.69	7.53
		<i>For Work In Restricted Working Space, Add</i>	4.52	
		<i>For Elevated Installation >10' To 15', Add</i>	1.51	
		<i>For Elevated Installation >15' To 20', Add</i>	3.01	
		<i>For Elevated Installation >20' To 25', Add</i>	3.77	
		<i>For Elevated Installation >25' To 30', Add</i>	5.27	
		<i>For Elevated Installation >30' To 35', Add</i>	6.03	
		<i>For Elevated Installation >35' To 40', Add</i>	7.54	
		<i>For Elevated Installation >40', Add</i>	8.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583	EA		1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	20.91	9.42
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0584	EA		2" Rigid Galvanized Steel (RGS) Chase Nipple.....	25.97	11.29
			<i>For Work In Restricted Working Space, Add</i>	6.78	
			<i>For Elevated Installation >10' To 15', Add</i>	2.26	
			<i>For Elevated Installation >15' To 20', Add</i>	4.52	
			<i>For Elevated Installation >20' To 25', Add</i>	5.65	
			<i>For Elevated Installation >25' To 30', Add</i>	7.91	
			<i>For Elevated Installation >30' To 35', Add</i>	9.04	
			<i>For Elevated Installation >35' To 40', Add</i>	11.30	
			<i>For Elevated Installation >40', Add</i>	12.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.78	
26 05 33 13-0585	EA		2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	32.79	13.18
			<i>For Work In Restricted Working Space, Add</i>	7.91	
			<i>For Elevated Installation >10' To 15', Add</i>	2.64	
			<i>For Elevated Installation >15' To 20', Add</i>	5.27	
			<i>For Elevated Installation >20' To 25', Add</i>	6.59	
			<i>For Elevated Installation >25' To 30', Add</i>	9.23	
			<i>For Elevated Installation >30' To 35', Add</i>	10.54	
			<i>For Elevated Installation >35' To 40', Add</i>	13.18	
			<i>For Elevated Installation >40', Add</i>	14.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-0586	EA		3" Rigid Galvanized Steel (RGS) Chase Nipple.....	36.72	15.07
			<i>For Work In Restricted Working Space, Add</i>	9.04	
			<i>For Elevated Installation >10' To 15', Add</i>	3.01	
			<i>For Elevated Installation >15' To 20', Add</i>	6.02	
			<i>For Elevated Installation >20' To 25', Add</i>	7.53	
			<i>For Elevated Installation >25' To 30', Add</i>	10.54	
			<i>For Elevated Installation >30' To 35', Add</i>	12.05	
			<i>For Elevated Installation >35' To 40', Add</i>	15.06	
			<i>For Elevated Installation >40', Add</i>	16.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 05 33 13-0587	EA		3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	45.55	16.94
			<i>For Work In Restricted Working Space, Add</i>	10.17	
			<i>For Elevated Installation >10' To 15', Add</i>	3.39	
			<i>For Elevated Installation >15' To 20', Add</i>	6.78	
			<i>For Elevated Installation >20' To 25', Add</i>	8.47	
			<i>For Elevated Installation >25' To 30', Add</i>	11.86	
			<i>For Elevated Installation >30' To 35', Add</i>	13.56	
			<i>For Elevated Installation >35' To 40', Add</i>	16.95	
			<i>For Elevated Installation >40', Add</i>	18.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.17	
26 05 33 13-0588	EA		4" Rigid Galvanized Steel (RGS) Chase Nipple.....	62.09	18.83
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0589			Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0059)</small>		
26 05 33 13-0590	EA		1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	17.99	6.78
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Elevated Installation >10' To 15', Add</i>	1.36	
			<i>For Elevated Installation >15' To 20', Add</i>	2.71	
			<i>For Elevated Installation >20' To 25', Add</i>	3.39	
			<i>For Elevated Installation >25' To 30', Add</i>	4.75	
			<i>For Elevated Installation >30' To 35', Add</i>	5.42	
			<i>For Elevated Installation >35' To 40', Add</i>	6.78	
			<i>For Elevated Installation >40', Add</i>	7.46	
26 05 33 13-0591	EA		3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	20.91	7.91
			<i>For Work In Restricted Working Space, Add</i>	4.75	
			<i>For Elevated Installation >10' To 15', Add</i>	1.58	
			<i>For Elevated Installation >15' To 20', Add</i>	3.16	
			<i>For Elevated Installation >20' To 25', Add</i>	3.96	
			<i>For Elevated Installation >25' To 30', Add</i>	5.54	
			<i>For Elevated Installation >30' To 35', Add</i>	6.33	
			<i>For Elevated Installation >35' To 40', Add</i>	7.91	
			<i>For Elevated Installation >40', Add</i>	8.70	
26 05 33 13-0592	EA		1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	26.53	9.03
			<i>For Work In Restricted Working Space, Add</i>	5.42	
			<i>For Elevated Installation >10' To 15', Add</i>	1.81	
			<i>For Elevated Installation >15' To 20', Add</i>	3.62	
			<i>For Elevated Installation >20' To 25', Add</i>	4.52	
			<i>For Elevated Installation >25' To 30', Add</i>	6.33	
			<i>For Elevated Installation >30' To 35', Add</i>	7.23	
			<i>For Elevated Installation >35' To 40', Add</i>	9.04	
			<i>For Elevated Installation >40', Add</i>	9.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	33.96	11.29
		<i>For Work In Restricted Working Space, Add</i>	6.78	
		<i>For Elevated Installation >10' To 15', Add</i>	2.26	
		<i>For Elevated Installation >15' To 20', Add</i>	4.52	
		<i>For Elevated Installation >20' To 25', Add</i>	5.65	
		<i>For Elevated Installation >25' To 30', Add</i>	7.91	
		<i>For Elevated Installation >30' To 35', Add</i>	9.04	
		<i>For Elevated Installation >35' To 40', Add</i>	11.30	
		<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33 13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	45.16	13.56
		<i>For Work In Restricted Working Space, Add</i>	8.13	
		<i>For Elevated Installation >10' To 15', Add</i>	2.71	
		<i>For Elevated Installation >15' To 20', Add</i>	5.42	
		<i>For Elevated Installation >20' To 25', Add</i>	6.78	
		<i>For Elevated Installation >25' To 30', Add</i>	9.49	
		<i>For Elevated Installation >30' To 35', Add</i>	10.84	
		<i>For Elevated Installation >35' To 40', Add</i>	13.56	
		<i>For Elevated Installation >40', Add</i>	14.91	
26 05 33 13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	60.20	15.82
		<i>For Work In Restricted Working Space, Add</i>	9.49	
		<i>For Elevated Installation >10' To 15', Add</i>	3.16	
		<i>For Elevated Installation >15' To 20', Add</i>	6.33	
		<i>For Elevated Installation >20' To 25', Add</i>	7.91	
		<i>For Elevated Installation >25' To 30', Add</i>	11.07	
		<i>For Elevated Installation >30' To 35', Add</i>	12.65	
		<i>For Elevated Installation >35' To 40', Add</i>	15.82	
		<i>For Elevated Installation >40', Add</i>	17.40	
26 05 33 13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	83.33	18.08
		<i>For Work In Restricted Working Space, Add</i>	10.85	
		<i>For Elevated Installation >10' To 15', Add</i>	3.62	
		<i>For Elevated Installation >15' To 20', Add</i>	7.23	
		<i>For Elevated Installation >20' To 25', Add</i>	9.04	
		<i>For Elevated Installation >25' To 30', Add</i>	12.66	
		<i>For Elevated Installation >30' To 35', Add</i>	14.46	
		<i>For Elevated Installation >35' To 40', Add</i>	18.08	
		<i>For Elevated Installation >40', Add</i>	19.89	
26 05 33 13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	145.13	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	

26 05 33 13-0598 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0058)

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0598)

Note: Includes field bending conduit up to and including 1".

26 05 33 13-0600	LF	1/2" Electrical Metallic Tubing (EMT) Conduit.....	4.07	1.36
		<i>For >250 To 500, Deduct</i>	-0.03	
		<i>For >500 To 1,000, Deduct</i>	-0.22	
		<i>For >1,000, Deduct</i>	-0.32	
		<i>For Installation In Metal Stud Wall, Add</i>	0.34	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.85	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.51	
		<i>For Work In Restricted Working Space, Add</i>	1.02	
		<i>For Elevated Installation >10' To 15', Add</i>	0.34	
		<i>For Elevated Installation >15' To 20', Add</i>	0.68	
		<i>For Elevated Installation >20' To 25', Add</i>	0.85	
		<i>For Elevated Installation >25' To 30', Add</i>	1.19	
		<i>For Elevated Installation >30' To 35', Add</i>	1.36	
		<i>For Elevated Installation >35' To 40', Add</i>	1.70	
		<i>For Elevated Installation >40', Add</i>	1.86	
		<i>For Factory Applied Color Coating, Add</i>	0.20	
26 05 33 13-0601	LF	3/4" Electrical Metallic Tubing (EMT) Conduit.....	4.83	1.51
		<i>For >250 To 500, Deduct</i>	-0.05	
		<i>For >500 To 1,000, Deduct</i>	-0.27	
		<i>For >1,000, Deduct</i>	-0.39	
		<i>For Installation In Metal Stud Wall, Add</i>	0.38	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.94	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
		<i>For Work In Restricted Working Space, Add</i>	1.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.38	
		<i>For Elevated Installation >15' To 20', Add</i>	0.75	
		<i>For Elevated Installation >20' To 25', Add</i>	0.94	
		<i>For Elevated Installation >25' To 30', Add</i>	1.32	
		<i>For Elevated Installation >30' To 35', Add</i>	1.50	
		<i>For Elevated Installation >35' To 40', Add</i>	1.88	
		<i>For Elevated Installation >40', Add</i>	2.07	
		<i>For Factory Applied Color Coating, Add</i>	0.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0602 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	5.93	1.66
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.49	
For Installation In Metal Stud Wall, Add	0.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.25	
For Elevated Installation >10' To 15', Add	0.42	
For Elevated Installation >15' To 20', Add	0.83	
For Elevated Installation >20' To 25', Add	1.04	
For Elevated Installation >25' To 30', Add	1.45	
For Elevated Installation >30' To 35', Add	1.66	
For Elevated Installation >35' To 40', Add	2.08	
For Elevated Installation >40', Add	2.28	
For Factory Applied Color Coating, Add	0.53	
26 05 33 13-0603 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit	7.48	1.87
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.44	
For >1,000, Deduct	-0.63	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
For Work In Restricted Working Space, Add	1.40	
For Elevated Installation >10' To 15', Add	0.47	
For Elevated Installation >15' To 20', Add	0.93	
For Elevated Installation >20' To 25', Add	1.17	
For Elevated Installation >25' To 30', Add	1.63	
For Elevated Installation >30' To 35', Add	1.87	
For Elevated Installation >35' To 40', Add	2.34	
For Elevated Installation >40', Add	2.57	
For Factory Applied Color Coating, Add	0.84	
26 05 33 13-0604 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit	8.77	2.11
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.75	
For Installation In Metal Stud Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Elevated Installation >10' To 15', Add	0.53	
For Elevated Installation >15' To 20', Add	1.05	
For Elevated Installation >20' To 25', Add	1.32	
For Elevated Installation >25' To 30', Add	1.84	
For Elevated Installation >30' To 35', Add	2.11	
For Elevated Installation >35' To 40', Add	2.64	
For Elevated Installation >40', Add	2.90	
For Factory Applied Color Coating, Add	1.05	
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	10.17	2.41
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.61	
For >1,000, Deduct	-0.87	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Elevated Installation >10' To 15', Add	0.60	
For Elevated Installation >15' To 20', Add	1.20	
For Elevated Installation >20' To 25', Add	1.51	
For Elevated Installation >25' To 30', Add	2.11	
For Elevated Installation >30' To 35', Add	2.41	
For Elevated Installation >35' To 40', Add	3.01	
For Elevated Installation >40', Add	3.31	
For Factory Applied Color Coating, Add	1.25	
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	13.30	2.86
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.82	
For >1,000, Deduct	-1.15	
For Installation In Metal Stud Wall, Add	0.72	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.79	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
For Work In Restricted Working Space, Add	2.15	
For Elevated Installation >10' To 15', Add	0.72	
For Elevated Installation >15' To 20', Add	1.43	
For Elevated Installation >20' To 25', Add	1.79	
For Elevated Installation >25' To 30', Add	2.51	
For Elevated Installation >30' To 35', Add	2.86	
For Elevated Installation >35' To 40', Add	3.58	
For Elevated Installation >40', Add	3.94	
For Factory Applied Color Coating, Add	1.84	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0607	LF 3" Electrical Metallic Tubing (EMT) Conduit.....	15.97	3.31
	For >250 To 500, Deduct	-0.38	
	For >500 To 1,000, Deduct	-0.99	
	For >1,000, Deduct	-1.39	
	For Installation In Metal Stud Wall, Add	0.83	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
	For Work In Restricted Working Space, Add	2.48	
	For Elevated Installation >10' To 15', Add	0.83	
	For Elevated Installation >15' To 20', Add	1.66	
	For Elevated Installation >20' To 25', Add	2.07	
	For Elevated Installation >25' To 30', Add	2.90	
	For Elevated Installation >30' To 35', Add	3.31	
	For Elevated Installation >35' To 40', Add	4.14	
	For Elevated Installation >40', Add	4.55	
	For Factory Applied Color Coating, Add	2.31	
26 05 33 13-0608	LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	20.07	3.91
	For >250 To 500, Deduct	-0.51	
	For >500 To 1,000, Deduct	-1.26	
	For >1,000, Deduct	-1.76	
	For Installation In Metal Stud Wall, Add	0.98	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.45	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.47	
	For Work In Restricted Working Space, Add	2.94	
	For Elevated Installation >10' To 15', Add	0.98	
	For Elevated Installation >15' To 20', Add	1.96	
	For Elevated Installation >20' To 25', Add	2.45	
	For Elevated Installation >25' To 30', Add	3.43	
	For Elevated Installation >30' To 35', Add	3.92	
	For Elevated Installation >35' To 40', Add	4.90	
	For Elevated Installation >40', Add	5.38	
	For Factory Applied Color Coating, Add	3.08	
26 05 33 13-0609	LF 4" Electrical Metallic Tubing (EMT) Conduit.....	25.95	6.18
	For >250 To 500, Deduct	-0.53	
	For >500 To 1,000, Deduct	-1.56	
	For >1,000, Deduct	-2.21	
	For Installation In Metal Stud Wall, Add	1.54	
	For Installation In Wood Stud Wall (Includes Drilling), Add	3.86	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.31	
	For Work In Restricted Working Space, Add	4.63	
	For Elevated Installation >10' To 15', Add	1.54	
	For Elevated Installation >15' To 20', Add	3.08	
	For Elevated Installation >20' To 25', Add	3.86	
	For Elevated Installation >25' To 30', Add	5.40	
	For Elevated Installation >30' To 35', Add	6.17	
	For Elevated Installation >35' To 40', Add	7.71	
	For Elevated Installation >40', Add	8.48	
	For Factory Applied Color Coating, Add	3.16	
26 05 33 13-0610	Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
	See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0611	EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	10.47	3.31
	For Work In Restricted Working Space, Add	2.48	
	For Elevated Installation >10' To 15', Add	0.83	
	For Elevated Installation >15' To 20', Add	1.66	
	For Elevated Installation >20' To 25', Add	2.07	
	For Elevated Installation >25' To 30', Add	2.90	
	For Elevated Installation >30' To 35', Add	3.31	
	For Elevated Installation >35' To 40', Add	4.14	
	For Elevated Installation >40', Add	4.55	
26 05 33 13-0612	EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	10.98	3.61
	For Work In Restricted Working Space, Add	2.71	
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.81	
	For Elevated Installation >20' To 25', Add	2.26	
	For Elevated Installation >25' To 30', Add	3.16	
	For Elevated Installation >30' To 35', Add	3.61	
	For Elevated Installation >35' To 40', Add	4.52	
	For Elevated Installation >40', Add	4.97	
26 05 33 13-0613	EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	13.60	4.22
	For Work In Restricted Working Space, Add	3.16	
	For Elevated Installation >10' To 15', Add	1.05	
	For Elevated Installation >15' To 20', Add	2.11	
	For Elevated Installation >20' To 25', Add	2.64	
	For Elevated Installation >25' To 30', Add	3.69	
	For Elevated Installation >30' To 35', Add	4.22	
	For Elevated Installation >35' To 40', Add	5.27	
	For Elevated Installation >40', Add	5.80	
26 05 33 13-0614	EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.11	4.52
	For Work In Restricted Working Space, Add	3.39	
	For Elevated Installation >10' To 15', Add	1.13	
	For Elevated Installation >15' To 20', Add	2.26	
	For Elevated Installation >20' To 25', Add	2.83	
	For Elevated Installation >25' To 30', Add	3.96	
	For Elevated Installation >30' To 35', Add	4.52	
	For Elevated Installation >35' To 40', Add	5.65	
	For Elevated Installation >40', Add	6.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615 EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	17.84	5.42
For Work In Restricted Working Space, Add	4.07	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.71	
For Elevated Installation >20' To 25', Add	3.39	
For Elevated Installation >25' To 30', Add	4.75	
For Elevated Installation >30' To 35', Add	5.42	
For Elevated Installation >35' To 40', Add	6.78	
For Elevated Installation >40', Add	7.46	
26 05 33 13-0616 EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	23.65	6.93
For Work In Restricted Working Space, Add	5.20	
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.46	
For Elevated Installation >20' To 25', Add	4.33	
For Elevated Installation >25' To 30', Add	6.06	
For Elevated Installation >30' To 35', Add	6.93	
For Elevated Installation >35' To 40', Add	8.66	
For Elevated Installation >40', Add	9.53	
26 05 33 13-0617 EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	33.56	7.83
For Work In Restricted Working Space, Add	5.87	
For Elevated Installation >10' To 15', Add	1.96	
For Elevated Installation >15' To 20', Add	3.92	
For Elevated Installation >20' To 25', Add	4.90	
For Elevated Installation >25' To 30', Add	6.85	
For Elevated Installation >30' To 35', Add	7.83	
For Elevated Installation >35' To 40', Add	9.79	
For Elevated Installation >40', Add	10.77	
26 05 33 13-0618 EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	44.41	8.73
For Work In Restricted Working Space, Add	6.55	
For Elevated Installation >10' To 15', Add	2.18	
For Elevated Installation >15' To 20', Add	4.37	
For Elevated Installation >20' To 25', Add	5.46	
For Elevated Installation >25' To 30', Add	7.64	
For Elevated Installation >30' To 35', Add	8.74	
For Elevated Installation >35' To 40', Add	10.92	
For Elevated Installation >40', Add	12.01	
26 05 33 13-0619 EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	50.81	9.64
For Work In Restricted Working Space, Add	7.23	
For Elevated Installation >10' To 15', Add	2.41	
For Elevated Installation >15' To 20', Add	4.82	
For Elevated Installation >20' To 25', Add	6.03	
For Elevated Installation >25' To 30', Add	8.44	
For Elevated Installation >30' To 35', Add	9.64	
For Elevated Installation >35' To 40', Add	12.05	
For Elevated Installation >40', Add	13.26	
26 05 33 13-0620 EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	103.80	27.00
For Work In Restricted Working Space, Add	20.25	
For Elevated Installation >10' To 15', Add	6.75	
For Elevated Installation >15' To 20', Add	13.50	
For Elevated Installation >20' To 25', Add	16.88	
For Elevated Installation >25' To 30', Add	23.63	
For Elevated Installation >30' To 35', Add	27.00	
For Elevated Installation >35' To 40', Add	33.75	
For Elevated Installation >40', Add	37.13	
26 05 33 13-0621 Electrical Metallic Tubing (EMT) 45 Degree Elbows (26 05 33 13-0598)		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0622 EA 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	10.24	3.31
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.66	
For Elevated Installation >20' To 25', Add	2.07	
For Elevated Installation >25' To 30', Add	2.90	
For Elevated Installation >30' To 35', Add	3.31	
For Elevated Installation >35' To 40', Add	4.14	
For Elevated Installation >40', Add	4.55	
26 05 33 13-0623 EA 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	11.12	3.61
For Work In Restricted Working Space, Add	2.71	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.26	
For Elevated Installation >25' To 30', Add	3.16	
For Elevated Installation >30' To 35', Add	3.61	
For Elevated Installation >35' To 40', Add	4.52	
For Elevated Installation >40', Add	4.97	
26 05 33 13-0624 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	13.91	4.22
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.11	
For Elevated Installation >20' To 25', Add	2.64	
For Elevated Installation >25' To 30', Add	3.69	
For Elevated Installation >30' To 35', Add	4.22	
For Elevated Installation >35' To 40', Add	5.27	
For Elevated Installation >40', Add	5.80	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0625	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.69	4.52
		<i>For Work In Restricted Working Space, Add</i>	3.39	
		<i>For Elevated Installation >10' To 15', Add</i>	1.13	
		<i>For Elevated Installation >15' To 20', Add</i>	2.26	
		<i>For Elevated Installation >20' To 25', Add</i>	2.83	
		<i>For Elevated Installation >25' To 30', Add</i>	3.96	
		<i>For Elevated Installation >30' To 35', Add</i>	4.52	
		<i>For Elevated Installation >35' To 40', Add</i>	5.65	
		<i>For Elevated Installation >40', Add</i>	6.22	
26 05 33 13-0626	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	18.58	5.42
		<i>For Work In Restricted Working Space, Add</i>	4.07	
		<i>For Elevated Installation >10' To 15', Add</i>	1.36	
		<i>For Elevated Installation >15' To 20', Add</i>	2.71	
		<i>For Elevated Installation >20' To 25', Add</i>	3.39	
		<i>For Elevated Installation >25' To 30', Add</i>	4.75	
		<i>For Elevated Installation >30' To 35', Add</i>	5.42	
		<i>For Elevated Installation >35' To 40', Add</i>	6.78	
		<i>For Elevated Installation >40', Add</i>	7.46	
26 05 33 13-0627	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	23.41	6.93
		<i>For Work In Restricted Working Space, Add</i>	5.20	
		<i>For Elevated Installation >10' To 15', Add</i>	1.73	
		<i>For Elevated Installation >15' To 20', Add</i>	3.46	
		<i>For Elevated Installation >20' To 25', Add</i>	4.33	
		<i>For Elevated Installation >25' To 30', Add</i>	6.06	
		<i>For Elevated Installation >30' To 35', Add</i>	6.93	
		<i>For Elevated Installation >35' To 40', Add</i>	8.66	
		<i>For Elevated Installation >40', Add</i>	9.53	
26 05 33 13-0628	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	35.70	7.83
		<i>For Work In Restricted Working Space, Add</i>	5.87	
		<i>For Elevated Installation >10' To 15', Add</i>	1.96	
		<i>For Elevated Installation >15' To 20', Add</i>	3.92	
		<i>For Elevated Installation >20' To 25', Add</i>	4.90	
		<i>For Elevated Installation >25' To 30', Add</i>	6.85	
		<i>For Elevated Installation >30' To 35', Add</i>	7.83	
		<i>For Elevated Installation >35' To 40', Add</i>	9.79	
		<i>For Elevated Installation >40', Add</i>	10.77	
26 05 33 13-0629	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	46.12	8.73
		<i>For Work In Restricted Working Space, Add</i>	6.55	
		<i>For Elevated Installation >10' To 15', Add</i>	2.18	
		<i>For Elevated Installation >15' To 20', Add</i>	4.37	
		<i>For Elevated Installation >20' To 25', Add</i>	5.46	
		<i>For Elevated Installation >25' To 30', Add</i>	7.64	
		<i>For Elevated Installation >30' To 35', Add</i>	8.74	
		<i>For Elevated Installation >35' To 40', Add</i>	10.92	
		<i>For Elevated Installation >40', Add</i>	12.01	
26 05 33 13-0630	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	55.42	9.64
		<i>For Work In Restricted Working Space, Add</i>	7.23	
		<i>For Elevated Installation >10' To 15', Add</i>	2.41	
		<i>For Elevated Installation >15' To 20', Add</i>	4.82	
		<i>For Elevated Installation >20' To 25', Add</i>	6.03	
		<i>For Elevated Installation >25' To 30', Add</i>	8.44	
		<i>For Elevated Installation >30' To 35', Add</i>	9.64	
		<i>For Elevated Installation >35' To 40', Add</i>	12.05	
		<i>For Elevated Installation >40', Add</i>	13.26	
26 05 33 13-0631	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	100.56	27.00
		<i>For Work In Restricted Working Space, Add</i>	20.25	
		<i>For Elevated Installation >10' To 15', Add</i>	6.75	
		<i>For Elevated Installation >15' To 20', Add</i>	13.50	
		<i>For Elevated Installation >20' To 25', Add</i>	16.88	
		<i>For Elevated Installation >25' To 30', Add</i>	23.63	
		<i>For Elevated Installation >30' To 35', Add</i>	27.00	
		<i>For Elevated Installation >35' To 40', Add</i>	33.75	
		<i>For Elevated Installation >40', Add</i>	37.13	
26 05 33 13-0632		Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0598)		
26 05 33 13-0633	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.01	1.81
		<i>For Work In Restricted Working Space, Add</i>	1.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.38	
		<i>For Elevated Installation >15' To 20', Add</i>	0.75	
		<i>For Elevated Installation >20' To 25', Add</i>	0.94	
		<i>For Elevated Installation >25' To 30', Add</i>	1.32	
		<i>For Elevated Installation >30' To 35', Add</i>	1.50	
		<i>For Elevated Installation >35' To 40', Add</i>	1.88	
		<i>For Elevated Installation >40', Add</i>	2.07	
26 05 33 13-0634	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.89	1.81
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Elevated Installation >10' To 15', Add</i>	0.45	
		<i>For Elevated Installation >15' To 20', Add</i>	0.90	
		<i>For Elevated Installation >20' To 25', Add</i>	1.13	
		<i>For Elevated Installation >25' To 30', Add</i>	1.58	
		<i>For Elevated Installation >30' To 35', Add</i>	1.81	
		<i>For Elevated Installation >35' To 40', Add</i>	2.26	
		<i>For Elevated Installation >40', Add</i>	2.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.83	2.11
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Elevated Installation >10' To 15', Add</i>	0.53	
<i>For Elevated Installation >15' To 20', Add</i>	1.05	
<i>For Elevated Installation >20' To 25', Add</i>	1.32	
<i>For Elevated Installation >25' To 30', Add</i>	1.84	
<i>For Elevated Installation >30' To 35', Add</i>	2.11	
<i>For Elevated Installation >35' To 40', Add</i>	2.64	
<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0636 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	8.01	2.71
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Elevated Installation >10' To 15', Add</i>	0.68	
<i>For Elevated Installation >15' To 20', Add</i>	1.36	
<i>For Elevated Installation >20' To 25', Add</i>	1.70	
<i>For Elevated Installation >25' To 30', Add</i>	2.37	
<i>For Elevated Installation >30' To 35', Add</i>	2.71	
<i>For Elevated Installation >35' To 40', Add</i>	3.39	
<i>For Elevated Installation >40', Add</i>	3.73	
26 05 33 13-0637 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.92	3.31
<i>For Work In Restricted Working Space, Add</i>	2.49	
<i>For Elevated Installation >10' To 15', Add</i>	0.83	
<i>For Elevated Installation >15' To 20', Add</i>	1.66	
<i>For Elevated Installation >20' To 25', Add</i>	2.07	
<i>For Elevated Installation >25' To 30', Add</i>	2.90	
<i>For Elevated Installation >30' To 35', Add</i>	3.32	
<i>For Elevated Installation >35' To 40', Add</i>	4.15	
<i>For Elevated Installation >40', Add</i>	4.56	
26 05 33 13-0638 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	13.46	4.52
<i>For Work In Restricted Working Space, Add</i>	3.39	
<i>For Elevated Installation >10' To 15', Add</i>	1.13	
<i>For Elevated Installation >15' To 20', Add</i>	2.26	
<i>For Elevated Installation >20' To 25', Add</i>	2.82	
<i>For Elevated Installation >25' To 30', Add</i>	3.95	
<i>For Elevated Installation >30' To 35', Add</i>	4.52	
<i>For Elevated Installation >35' To 40', Add</i>	5.65	
<i>For Elevated Installation >40', Add</i>	6.21	
26 05 33 13-0639 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	18.87	6.02
<i>For Work In Restricted Working Space, Add</i>	4.52	
<i>For Elevated Installation >10' To 15', Add</i>	1.51	
<i>For Elevated Installation >15' To 20', Add</i>	3.01	
<i>For Elevated Installation >20' To 25', Add</i>	3.77	
<i>For Elevated Installation >25' To 30', Add</i>	5.27	
<i>For Elevated Installation >30' To 35', Add</i>	6.03	
<i>For Elevated Installation >35' To 40', Add</i>	7.54	
<i>For Elevated Installation >40', Add</i>	8.29	
26 05 33 13-0640 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	24.74	6.93
<i>For Work In Restricted Working Space, Add</i>	5.65	
<i>For Elevated Installation >10' To 15', Add</i>	1.88	
<i>For Elevated Installation >15' To 20', Add</i>	3.77	
<i>For Elevated Installation >20' To 25', Add</i>	4.71	
<i>For Elevated Installation >25' To 30', Add</i>	6.59	
<i>For Elevated Installation >30' To 35', Add</i>	7.53	
<i>For Elevated Installation >35' To 40', Add</i>	9.42	
<i>For Elevated Installation >40', Add</i>	10.36	
26 05 33 13-0641 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	27.27	7.53
<i>For Work In Restricted Working Space, Add</i>	6.78	
<i>For Elevated Installation >10' To 15', Add</i>	2.26	
<i>For Elevated Installation >15' To 20', Add</i>	4.52	
<i>For Elevated Installation >20' To 25', Add</i>	5.65	
<i>For Elevated Installation >25' To 30', Add</i>	7.91	
<i>For Elevated Installation >30' To 35', Add</i>	9.04	
<i>For Elevated Installation >35' To 40', Add</i>	11.30	
<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33 13-0642 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	80.75	22.38
<i>For Work In Restricted Working Space, Add</i>	21.73	
<i>For Elevated Installation >10' To 15', Add</i>	7.24	
<i>For Elevated Installation >15' To 20', Add</i>	14.48	
<i>For Elevated Installation >20' To 25', Add</i>	18.11	
<i>For Elevated Installation >25' To 30', Add</i>	25.35	
<i>For Elevated Installation >30' To 35', Add</i>	28.97	
<i>For Elevated Installation >35' To 40', Add</i>	36.21	
<i>For Elevated Installation >40', Add</i>	39.83	
26 05 33 13-0643 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0598)</small>	5.14	1.81
26 05 33 13-0644 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling	1.36	
<i>For Work In Restricted Working Space, Add</i>	0.45	
<i>For Elevated Installation >10' To 15', Add</i>	0.90	
<i>For Elevated Installation >15' To 20', Add</i>	1.13	
<i>For Elevated Installation >20' To 25', Add</i>	1.58	
<i>For Elevated Installation >25' To 30', Add</i>	1.81	
<i>For Elevated Installation >30' To 35', Add</i>	2.26	
<i>For Elevated Installation >35' To 40', Add</i>	2.49	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0645	EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	5.96	2.11
	<i>For Work In Restricted Working Space, Add</i>	1.58	
	<i>For Elevated Installation >10' To 15', Add</i>	0.53	
	<i>For Elevated Installation >15' To 20', Add</i>	1.05	
	<i>For Elevated Installation >20' To 25', Add</i>	1.32	
	<i>For Elevated Installation >25' To 30', Add</i>	1.84	
	<i>For Elevated Installation >30' To 35', Add</i>	2.11	
	<i>For Elevated Installation >35' To 40', Add</i>	2.64	
	<i>For Elevated Installation >40', Add</i>	2.90	
26 05 33 13-0646	EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	8.48	3.01
	<i>For Work In Restricted Working Space, Add</i>	2.26	
	<i>For Elevated Installation >10' To 15', Add</i>	0.75	
	<i>For Elevated Installation >15' To 20', Add</i>	1.51	
	<i>For Elevated Installation >20' To 25', Add</i>	1.88	
	<i>For Elevated Installation >25' To 30', Add</i>	2.64	
	<i>For Elevated Installation >30' To 35', Add</i>	3.01	
	<i>For Elevated Installation >35' To 40', Add</i>	3.77	
	<i>For Elevated Installation >40', Add</i>	4.14	
26 05 33 13-0647	EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	11.03	3.61
	<i>For Work In Restricted Working Space, Add</i>	2.71	
	<i>For Elevated Installation >10' To 15', Add</i>	0.90	
	<i>For Elevated Installation >15' To 20', Add</i>	1.81	
	<i>For Elevated Installation >20' To 25', Add</i>	2.26	
	<i>For Elevated Installation >25' To 30', Add</i>	3.16	
	<i>For Elevated Installation >30' To 35', Add</i>	3.61	
	<i>For Elevated Installation >35' To 40', Add</i>	4.52	
	<i>For Elevated Installation >40', Add</i>	4.97	
26 05 33 13-0648	EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	13.35	4.22
	<i>For Work In Restricted Working Space, Add</i>	3.16	
	<i>For Elevated Installation >10' To 15', Add</i>	1.05	
	<i>For Elevated Installation >15' To 20', Add</i>	2.11	
	<i>For Elevated Installation >20' To 25', Add</i>	2.64	
	<i>For Elevated Installation >25' To 30', Add</i>	3.69	
	<i>For Elevated Installation >30' To 35', Add</i>	4.22	
	<i>For Elevated Installation >35' To 40', Add</i>	5.27	
	<i>For Elevated Installation >40', Add</i>	5.80	
26 05 33 13-0649	EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	17.98	5.42
	<i>For Work In Restricted Working Space, Add</i>	4.07	
	<i>For Elevated Installation >10' To 15', Add</i>	1.36	
	<i>For Elevated Installation >15' To 20', Add</i>	2.71	
	<i>For Elevated Installation >20' To 25', Add</i>	3.39	
	<i>For Elevated Installation >25' To 30', Add</i>	4.75	
	<i>For Elevated Installation >30' To 35', Add</i>	5.42	
	<i>For Elevated Installation >35' To 40', Add</i>	6.78	
	<i>For Elevated Installation >40', Add</i>	7.46	
26 05 33 13-0650	EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	29.62	7.23
	<i>For Work In Restricted Working Space, Add</i>	5.42	
	<i>For Elevated Installation >10' To 15', Add</i>	1.81	
	<i>For Elevated Installation >15' To 20', Add</i>	3.62	
	<i>For Elevated Installation >20' To 25', Add</i>	4.52	
	<i>For Elevated Installation >25' To 30', Add</i>	6.33	
	<i>For Elevated Installation >30' To 35', Add</i>	7.23	
	<i>For Elevated Installation >35' To 40', Add</i>	9.04	
	<i>For Elevated Installation >40', Add</i>	9.94	
26 05 33 13-0651	EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	34.21	8.43
	<i>For Work In Restricted Working Space, Add</i>	6.33	
	<i>For Elevated Installation >10' To 15', Add</i>	2.11	
	<i>For Elevated Installation >15' To 20', Add</i>	4.22	
	<i>For Elevated Installation >20' To 25', Add</i>	5.27	
	<i>For Elevated Installation >25' To 30', Add</i>	7.38	
	<i>For Elevated Installation >30' To 35', Add</i>	8.44	
	<i>For Elevated Installation >35' To 40', Add</i>	10.55	
	<i>For Elevated Installation >40', Add</i>	11.60	
26 05 33 13-0652	EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	42.77	10.54
	<i>For Work In Restricted Working Space, Add</i>	7.91	
	<i>For Elevated Installation >10' To 15', Add</i>	2.64	
	<i>For Elevated Installation >15' To 20', Add</i>	5.27	
	<i>For Elevated Installation >20' To 25', Add</i>	6.59	
	<i>For Elevated Installation >25' To 30', Add</i>	9.23	
	<i>For Elevated Installation >30' To 35', Add</i>	10.54	
	<i>For Elevated Installation >35' To 40', Add</i>	13.18	
	<i>For Elevated Installation >40', Add</i>	14.50	
26 05 33 13-0653	EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	54.81	13.56
	<i>For Work In Restricted Working Space, Add</i>	10.17	
	<i>For Elevated Installation >10' To 15', Add</i>	3.39	
	<i>For Elevated Installation >15' To 20', Add</i>	6.78	
	<i>For Elevated Installation >20' To 25', Add</i>	8.47	
	<i>For Elevated Installation >25' To 30', Add</i>	11.86	
	<i>For Elevated Installation >30' To 35', Add</i>	13.56	
	<i>For Elevated Installation >35' To 40', Add</i>	16.95	
	<i>For Elevated Installation >40', Add</i>	18.64	

26 05 33 13-0654 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw⁽²⁶⁾

(05 33 13-0598)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0655 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	3.96	1.51
For Work In Restricted Working Space, Add	1.13	
For Elevated Installation >10' To 15', Add	0.38	
For Elevated Installation >15' To 20', Add	0.75	
For Elevated Installation >20' To 25', Add	0.94	
For Elevated Installation >25' To 30', Add	1.32	
For Elevated Installation >30' To 35', Add	1.50	
For Elevated Installation >35' To 40', Add	1.88	
For Elevated Installation >40', Add	2.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.13	
26 05 33 13-0656 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	4.84	1.81
For Work In Restricted Working Space, Add	1.36	
For Elevated Installation >10' To 15', Add	0.45	
For Elevated Installation >15' To 20', Add	0.90	
For Elevated Installation >20' To 25', Add	1.13	
For Elevated Installation >25' To 30', Add	1.58	
For Elevated Installation >30' To 35', Add	1.81	
For Elevated Installation >35' To 40', Add	2.26	
For Elevated Installation >40', Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.36	
26 05 33 13-0657 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.84	2.11
For Work In Restricted Working Space, Add	1.58	
For Elevated Installation >10' To 15', Add	0.53	
For Elevated Installation >15' To 20', Add	1.05	
For Elevated Installation >20' To 25', Add	1.32	
For Elevated Installation >25' To 30', Add	1.84	
For Elevated Installation >30' To 35', Add	2.11	
For Elevated Installation >35' To 40', Add	2.64	
For Elevated Installation >40', Add	2.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-0658 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.57	3.01
For Work In Restricted Working Space, Add	2.26	
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.51	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.64	
For Elevated Installation >30' To 35', Add	3.01	
For Elevated Installation >35' To 40', Add	3.77	
For Elevated Installation >40', Add	4.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 33 13-0659 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	10.54	3.61
For Work In Restricted Working Space, Add	2.71	
For Elevated Installation >10' To 15', Add	0.90	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.26	
For Elevated Installation >25' To 30', Add	3.16	
For Elevated Installation >30' To 35', Add	3.61	
For Elevated Installation >35' To 40', Add	4.52	
For Elevated Installation >40', Add	4.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-0660 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	13.53	4.52
For Work In Restricted Working Space, Add	3.39	
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.26	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.95	
For Elevated Installation >30' To 35', Add	4.52	
For Elevated Installation >35' To 40', Add	5.65	
For Elevated Installation >40', Add	6.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-0661 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	21.30	6.02
For Work In Restricted Working Space, Add	4.52	
For Elevated Installation >10' To 15', Add	1.51	
For Elevated Installation >15' To 20', Add	3.01	
For Elevated Installation >20' To 25', Add	3.77	
For Elevated Installation >25' To 30', Add	5.27	
For Elevated Installation >30' To 35', Add	6.03	
For Elevated Installation >35' To 40', Add	7.54	
For Elevated Installation >40', Add	8.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0662 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	26.45	7.53
For Work In Restricted Working Space, Add	5.65	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.77	
For Elevated Installation >20' To 25', Add	4.71	
For Elevated Installation >25' To 30', Add	6.59	
For Elevated Installation >30' To 35', Add	7.53	
For Elevated Installation >35' To 40', Add	9.42	
For Elevated Installation >40', Add	10.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	
26 05 33 13-0663 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.16	9.03
For Work In Restricted Working Space, Add	6.78	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.52	
For Elevated Installation >20' To 25', Add	5.65	
For Elevated Installation >25' To 30', Add	7.91	
For Elevated Installation >30' To 35', Add	9.04	
For Elevated Installation >35' To 40', Add	11.30	
For Elevated Installation >40', Add	12.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	36.28	10.54
		<i>For Work In Restricted Working Space, Add</i>	7.91	
		<i>For Elevated Installation >10' To 15', Add</i>	2.64	
		<i>For Elevated Installation >15' To 20', Add</i>	5.27	
		<i>For Elevated Installation >20' To 25', Add</i>	6.59	
		<i>For Elevated Installation >25' To 30', Add</i>	9.23	
		<i>For Elevated Installation >30' To 35', Add</i>	10.54	
		<i>For Elevated Installation >35' To 40', Add</i>	13.18	
		<i>For Elevated Installation >40', Add</i>	14.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	

26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw

(26 05 33 13-0598)

26 05 33 13-0666	EA	3/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	5.38	2.04
		<i>For Work In Restricted Working Space, Add</i>	1.52	
		<i>For Elevated Installation >10' To 15', Add</i>	0.51	
		<i>For Elevated Installation >15' To 20', Add</i>	1.01	
		<i>For Elevated Installation >20' To 25', Add</i>	1.26	
		<i>For Elevated Installation >25' To 30', Add</i>	1.77	
		<i>For Elevated Installation >30' To 35', Add</i>	2.02	
		<i>For Elevated Installation >35' To 40', Add</i>	2.53	
		<i>For Elevated Installation >40', Add</i>	2.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.52	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.03	2.19
		<i>For Work In Restricted Working Space, Add</i>	1.65	
		<i>For Elevated Installation >10' To 15', Add</i>	0.55	
		<i>For Elevated Installation >15' To 20', Add</i>	1.10	
		<i>For Elevated Installation >20' To 25', Add</i>	1.38	
		<i>For Elevated Installation >25' To 30', Add</i>	1.93	
		<i>For Elevated Installation >30' To 35', Add</i>	2.20	
		<i>For Elevated Installation >35' To 40', Add</i>	2.75	
		<i>For Elevated Installation >40', Add</i>	3.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.65	2.71
		<i>For Work In Restricted Working Space, Add</i>	2.01	
		<i>For Elevated Installation >10' To 15', Add</i>	0.67	
		<i>For Elevated Installation >15' To 20', Add</i>	1.34	
		<i>For Elevated Installation >20' To 25', Add</i>	1.68	
		<i>For Elevated Installation >25' To 30', Add</i>	2.35	
		<i>For Elevated Installation >30' To 35', Add</i>	2.68	
		<i>For Elevated Installation >35' To 40', Add</i>	3.35	
		<i>For Elevated Installation >40', Add</i>	3.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.16	3.46
		<i>For Work In Restricted Working Space, Add</i>	2.57	
		<i>For Elevated Installation >10' To 15', Add</i>	0.86	
		<i>For Elevated Installation >15' To 20', Add</i>	1.72	
		<i>For Elevated Installation >20' To 25', Add</i>	2.15	
		<i>For Elevated Installation >25' To 30', Add</i>	3.00	
		<i>For Elevated Installation >30' To 35', Add</i>	3.43	
		<i>For Elevated Installation >35' To 40', Add</i>	4.29	
		<i>For Elevated Installation >40', Add</i>	4.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33 13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.12	3.99
		<i>For Work In Restricted Working Space, Add</i>	3.01	
		<i>For Elevated Installation >10' To 15', Add</i>	1.00	
		<i>For Elevated Installation >15' To 20', Add</i>	2.00	
		<i>For Elevated Installation >20' To 25', Add</i>	2.51	
		<i>For Elevated Installation >25' To 30', Add</i>	3.51	
		<i>For Elevated Installation >30' To 35', Add</i>	4.01	
		<i>For Elevated Installation >35' To 40', Add</i>	5.01	
		<i>For Elevated Installation >40', Add</i>	5.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33 13-0671	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.93	4.82
		<i>For Work In Restricted Working Space, Add</i>	3.62	
		<i>For Elevated Installation >10' To 15', Add</i>	1.21	
		<i>For Elevated Installation >15' To 20', Add</i>	2.41	
		<i>For Elevated Installation >20' To 25', Add</i>	3.01	
		<i>For Elevated Installation >25' To 30', Add</i>	4.22	
		<i>For Elevated Installation >30' To 35', Add</i>	4.82	
		<i>For Elevated Installation >35' To 40', Add</i>	6.03	
		<i>For Elevated Installation >40', Add</i>	6.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-0672	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	26.16	6.70
		<i>For Work In Restricted Working Space, Add</i>	5.02	
		<i>For Elevated Installation >10' To 15', Add</i>	1.67	
		<i>For Elevated Installation >15' To 20', Add</i>	3.34	
		<i>For Elevated Installation >20' To 25', Add</i>	4.18	
		<i>For Elevated Installation >25' To 30', Add</i>	5.85	
		<i>For Elevated Installation >30' To 35', Add</i>	6.69	
		<i>For Elevated Installation >35' To 40', Add</i>	8.36	
		<i>For Elevated Installation >40', Add</i>	9.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0673	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	33.58	8.88
		<i>For Work In Restricted Working Space, Add</i>	6.69	
		<i>For Elevated Installation >10' To 15', Add</i>	2.23	
		<i>For Elevated Installation >15' To 20', Add</i>	4.46	
		<i>For Elevated Installation >20' To 25', Add</i>	5.57	
		<i>For Elevated Installation >25' To 30', Add</i>	7.80	
		<i>For Elevated Installation >30' To 35', Add</i>	8.92	
		<i>For Elevated Installation >35' To 40', Add</i>	11.15	
		<i>For Elevated Installation >40', Add</i>	12.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-0674	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	42.82	11.44
		<i>For Work In Restricted Working Space, Add</i>	8.61	
		<i>For Elevated Installation >10' To 15', Add</i>	2.87	
		<i>For Elevated Installation >15' To 20', Add</i>	5.74	
		<i>For Elevated Installation >20' To 25', Add</i>	7.18	
		<i>For Elevated Installation >25' To 30', Add</i>	10.05	
		<i>For Elevated Installation >30' To 35', Add</i>	11.48	
		<i>For Elevated Installation >35' To 40', Add</i>	14.35	
		<i>For Elevated Installation >40', Add</i>	15.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.61	
26 05 33 13-0675	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	53.19	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	

26 05 33 13-0676 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33 13-0598)

26 05 33 13-0677	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	4.84	1.81
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Elevated Installation >10' To 15', Add</i>	0.45	
		<i>For Elevated Installation >15' To 20', Add</i>	0.90	
		<i>For Elevated Installation >20' To 25', Add</i>	1.13	
		<i>For Elevated Installation >25' To 30', Add</i>	1.58	
		<i>For Elevated Installation >30' To 35', Add</i>	1.81	
		<i>For Elevated Installation >35' To 40', Add</i>	2.26	
		<i>For Elevated Installation >40', Add</i>	2.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.36	
26 05 33 13-0678	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.76	2.11
		<i>For Work In Restricted Working Space, Add</i>	1.58	
		<i>For Elevated Installation >10' To 15', Add</i>	0.53	
		<i>For Elevated Installation >15' To 20', Add</i>	1.05	
		<i>For Elevated Installation >20' To 25', Add</i>	1.32	
		<i>For Elevated Installation >25' To 30', Add</i>	1.84	
		<i>For Elevated Installation >30' To 35', Add</i>	2.11	
		<i>For Elevated Installation >35' To 40', Add</i>	2.64	
		<i>For Elevated Installation >40', Add</i>	2.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33 13-0679	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.23	3.01
		<i>For Work In Restricted Working Space, Add</i>	2.26	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.51	
		<i>For Elevated Installation >20' To 25', Add</i>	1.88	
		<i>For Elevated Installation >25' To 30', Add</i>	2.64	
		<i>For Elevated Installation >30' To 35', Add</i>	3.01	
		<i>For Elevated Installation >35' To 40', Add</i>	3.77	
		<i>For Elevated Installation >40', Add</i>	4.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33 13-0680	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.34	3.61
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-0681	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.39	4.22
		<i>For Work In Restricted Working Space, Add</i>	3.16	
		<i>For Elevated Installation >10' To 15', Add</i>	1.05	
		<i>For Elevated Installation >15' To 20', Add</i>	2.11	
		<i>For Elevated Installation >20' To 25', Add</i>	2.64	
		<i>For Elevated Installation >25' To 30', Add</i>	3.69	
		<i>For Elevated Installation >30' To 35', Add</i>	4.22	
		<i>For Elevated Installation >35' To 40', Add</i>	5.27	
		<i>For Elevated Installation >40', Add</i>	5.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0682	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.24	5.42
		<i>For Work In Restricted Working Space, Add</i>	4.07	
		<i>For Elevated Installation >10' To 15', Add</i>	1.36	
		<i>For Elevated Installation >15' To 20', Add</i>	2.71	
		<i>For Elevated Installation >20' To 25', Add</i>	3.39	
		<i>For Elevated Installation >25' To 30', Add</i>	4.75	
		<i>For Elevated Installation >30' To 35', Add</i>	5.42	
		<i>For Elevated Installation >35' To 40', Add</i>	6.78	
		<i>For Elevated Installation >40', Add</i>	7.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0683	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	26.15	7.23
		<i>For Work In Restricted Working Space, Add</i>	5.42	
		<i>For Elevated Installation >10' To 15', Add</i>	1.81	
		<i>For Elevated Installation >15' To 20', Add</i>	3.62	
		<i>For Elevated Installation >20' To 25', Add</i>	4.52	
		<i>For Elevated Installation >25' To 30', Add</i>	6.33	
		<i>For Elevated Installation >30' To 35', Add</i>	7.23	
		<i>For Elevated Installation >35' To 40', Add</i>	9.04	
		<i>For Elevated Installation >40', Add</i>	9.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.42	
26 05 33 13-0684	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	33.15	9.03
		<i>For Work In Restricted Working Space, Add</i>	6.78	
		<i>For Elevated Installation >10' To 15', Add</i>	2.26	
		<i>For Elevated Installation >15' To 20', Add</i>	4.52	
		<i>For Elevated Installation >20' To 25', Add</i>	5.65	
		<i>For Elevated Installation >25' To 30', Add</i>	7.91	
		<i>For Elevated Installation >30' To 35', Add</i>	9.04	
		<i>For Elevated Installation >35' To 40', Add</i>	11.30	
		<i>For Elevated Installation >40', Add</i>	12.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.78	
26 05 33 13-0685	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	42.63	10.54
		<i>For Work In Restricted Working Space, Add</i>	7.91	
		<i>For Elevated Installation >10' To 15', Add</i>	2.64	
		<i>For Elevated Installation >15' To 20', Add</i>	5.27	
		<i>For Elevated Installation >20' To 25', Add</i>	6.59	
		<i>For Elevated Installation >25' To 30', Add</i>	9.23	
		<i>For Elevated Installation >30' To 35', Add</i>	10.54	
		<i>For Elevated Installation >35' To 40', Add</i>	13.18	
		<i>For Elevated Installation >40', Add</i>	14.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-0686	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	47.76	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For Elevated Installation >10' To 15', Add</i>	3.01	
		<i>For Elevated Installation >15' To 20', Add</i>	6.02	
		<i>For Elevated Installation >20' To 25', Add</i>	7.53	
		<i>For Elevated Installation >25' To 30', Add</i>	10.54	
		<i>For Elevated Installation >30' To 35', Add</i>	12.05	
		<i>For Elevated Installation >35' To 40', Add</i>	15.06	
		<i>For Elevated Installation >40', Add</i>	16.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	

26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors (26 05 33 13-0598)

26 05 33 13-0688	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	5.60	2.04
		<i>For Work In Restricted Working Space, Add</i>	1.52	
		<i>For Elevated Installation >10' To 15', Add</i>	0.51	
		<i>For Elevated Installation >15' To 20', Add</i>	1.01	
		<i>For Elevated Installation >20' To 25', Add</i>	1.26	
		<i>For Elevated Installation >25' To 30', Add</i>	1.77	
		<i>For Elevated Installation >30' To 35', Add</i>	2.02	
		<i>For Elevated Installation >35' To 40', Add</i>	2.53	
		<i>For Elevated Installation >40', Add</i>	2.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.52	
26 05 33 13-0689	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	6.27	2.19
		<i>For Work In Restricted Working Space, Add</i>	1.65	
		<i>For Elevated Installation >10' To 15', Add</i>	0.55	
		<i>For Elevated Installation >15' To 20', Add</i>	1.10	
		<i>For Elevated Installation >20' To 25', Add</i>	1.38	
		<i>For Elevated Installation >25' To 30', Add</i>	1.93	
		<i>For Elevated Installation >30' To 35', Add</i>	2.20	
		<i>For Elevated Installation >35' To 40', Add</i>	2.75	
		<i>For Elevated Installation >40', Add</i>	3.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33 13-0690	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	7.84	2.71
		<i>For Work In Restricted Working Space, Add</i>	2.01	
		<i>For Elevated Installation >10' To 15', Add</i>	0.67	
		<i>For Elevated Installation >15' To 20', Add</i>	1.34	
		<i>For Elevated Installation >20' To 25', Add</i>	1.68	
		<i>For Elevated Installation >25' To 30', Add</i>	2.35	
		<i>For Elevated Installation >30' To 35', Add</i>	2.68	
		<i>For Elevated Installation >35' To 40', Add</i>	3.35	
		<i>For Elevated Installation >40', Add</i>	3.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0691	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector 10.71		3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Elevated Installation >10' To 15', Add</i>	0.86	
			<i>For Elevated Installation >15' To 20', Add</i>	1.72	
			<i>For Elevated Installation >20' To 25', Add</i>	2.15	
			<i>For Elevated Installation >25' To 30', Add</i>	3.00	
			<i>For Elevated Installation >30' To 35', Add</i>	3.43	
			<i>For Elevated Installation >35' To 40', Add</i>	4.29	
			<i>For Elevated Installation >40', Add</i>	4.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33 13-0692	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector 13.04		3.99
			<i>For Work In Restricted Working Space, Add</i>	3.01	
			<i>For Elevated Installation >10' To 15', Add</i>	1.00	
			<i>For Elevated Installation >15' To 20', Add</i>	2.00	
			<i>For Elevated Installation >20' To 25', Add</i>	2.51	
			<i>For Elevated Installation >25' To 30', Add</i>	3.51	
			<i>For Elevated Installation >30' To 35', Add</i>	4.01	
			<i>For Elevated Installation >35' To 40', Add</i>	5.01	
			<i>For Elevated Installation >40', Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.01	
26 05 33 13-0693	EA		2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector..... 16.27		4.82
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Elevated Installation >10' To 15', Add</i>	1.21	
			<i>For Elevated Installation >15' To 20', Add</i>	2.41	
			<i>For Elevated Installation >20' To 25', Add</i>	3.01	
			<i>For Elevated Installation >25' To 30', Add</i>	4.22	
			<i>For Elevated Installation >30' To 35', Add</i>	4.82	
			<i>For Elevated Installation >35' To 40', Add</i>	6.03	
			<i>For Elevated Installation >40', Add</i>	6.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-0694	EA		2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector 31.03		6.70
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Elevated Installation >10' To 15', Add</i>	1.67	
			<i>For Elevated Installation >15' To 20', Add</i>	3.34	
			<i>For Elevated Installation >20' To 25', Add</i>	4.18	
			<i>For Elevated Installation >25' To 30', Add</i>	5.85	
			<i>For Elevated Installation >30' To 35', Add</i>	6.69	
			<i>For Elevated Installation >35' To 40', Add</i>	8.36	
			<i>For Elevated Installation >40', Add</i>	9.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-0695	EA		3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector..... 41.76		8.88
			<i>For Work In Restricted Working Space, Add</i>	6.69	
			<i>For Elevated Installation >10' To 15', Add</i>	2.23	
			<i>For Elevated Installation >15' To 20', Add</i>	4.46	
			<i>For Elevated Installation >20' To 25', Add</i>	5.57	
			<i>For Elevated Installation >25' To 30', Add</i>	7.80	
			<i>For Elevated Installation >30' To 35', Add</i>	8.92	
			<i>For Elevated Installation >35' To 40', Add</i>	11.15	
			<i>For Elevated Installation >40', Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.69	
26 05 33 13-0696	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector 57.15		11.44
			<i>For Work In Restricted Working Space, Add</i>	8.61	
			<i>For Elevated Installation >10' To 15', Add</i>	2.87	
			<i>For Elevated Installation >15' To 20', Add</i>	5.74	
			<i>For Elevated Installation >20' To 25', Add</i>	7.18	
			<i>For Elevated Installation >25' To 30', Add</i>	10.05	
			<i>For Elevated Installation >30' To 35', Add</i>	11.48	
			<i>For Elevated Installation >35' To 40', Add</i>	14.35	
			<i>For Elevated Installation >40', Add</i>	15.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.61	
26 05 33 13-0697	EA		4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector..... 70.94		15.07
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0698			Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0598)</small>		
			Note: Excludes jumper.		
26 05 33 13-0699	EA		1/2" Electrical Metallic Tubing (EMT) Expansion Coupling 47.63		10.02
			<i>For Work In Restricted Working Space, Add</i>	7.52	
			<i>For Elevated Installation >10' To 15', Add</i>	2.51	
			<i>For Elevated Installation >15' To 20', Add</i>	5.01	
			<i>For Elevated Installation >20' To 25', Add</i>	6.27	
			<i>For Elevated Installation >25' To 30', Add</i>	8.77	
			<i>For Elevated Installation >30' To 35', Add</i>	10.02	
			<i>For Elevated Installation >35' To 40', Add</i>	12.53	
			<i>For Elevated Installation >40', Add</i>	13.78	
26 05 33 13-0700	EA		3/4" Electrical Metallic Tubing (EMT) Expansion Coupling 57.30		12.13
			<i>For Work In Restricted Working Space, Add</i>	9.11	
			<i>For Elevated Installation >10' To 15', Add</i>	3.04	
			<i>For Elevated Installation >15' To 20', Add</i>	6.08	
			<i>For Elevated Installation >20' To 25', Add</i>	7.60	
			<i>For Elevated Installation >25' To 30', Add</i>	10.63	
			<i>For Elevated Installation >30' To 35', Add</i>	12.15	
			<i>For Elevated Installation >35' To 40', Add</i>	15.19	
			<i>For Elevated Installation >40', Add</i>	16.71	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0701	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	70.12	15.22
		<i>For Work In Restricted Working Space, Add</i>	11.39	
		<i>For Elevated Installation >10' To 15', Add</i>	3.80	
		<i>For Elevated Installation >15' To 20', Add</i>	7.60	
		<i>For Elevated Installation >20' To 25', Add</i>	9.50	
		<i>For Elevated Installation >25' To 30', Add</i>	13.29	
		<i>For Elevated Installation >30' To 35', Add</i>	15.19	
		<i>For Elevated Installation >35' To 40', Add</i>	18.99	
		<i>For Elevated Installation >40', Add</i>	20.89	
26 05 33 13-0702	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	91.75	18.68
		<i>For Work In Restricted Working Space, Add</i>	14.02	
		<i>For Elevated Installation >10' To 15', Add</i>	4.67	
		<i>For Elevated Installation >15' To 20', Add</i>	9.34	
		<i>For Elevated Installation >20' To 25', Add</i>	11.68	
		<i>For Elevated Installation >25' To 30', Add</i>	16.35	
		<i>For Elevated Installation >30' To 35', Add</i>	18.69	
		<i>For Elevated Installation >35' To 40', Add</i>	23.36	
		<i>For Elevated Installation >40', Add</i>	25.70	
26 05 33 13-0703	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	115.47	21.91
		<i>For Work In Restricted Working Space, Add</i>	16.44	
		<i>For Elevated Installation >10' To 15', Add</i>	5.48	
		<i>For Elevated Installation >15' To 20', Add</i>	10.96	
		<i>For Elevated Installation >20' To 25', Add</i>	13.70	
		<i>For Elevated Installation >25' To 30', Add</i>	19.18	
		<i>For Elevated Installation >30' To 35', Add</i>	21.92	
		<i>For Elevated Installation >35' To 40', Add</i>	27.40	
		<i>For Elevated Installation >40', Add</i>	30.13	
26 05 33 13-0704	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	145.63	26.66
		<i>For Work In Restricted Working Space, Add</i>	20.02	
		<i>For Elevated Installation >10' To 15', Add</i>	6.67	
		<i>For Elevated Installation >15' To 20', Add</i>	13.34	
		<i>For Elevated Installation >20' To 25', Add</i>	16.68	
		<i>For Elevated Installation >25' To 30', Add</i>	23.35	
		<i>For Elevated Installation >30' To 35', Add</i>	26.69	
		<i>For Elevated Installation >35' To 40', Add</i>	33.36	
		<i>For Elevated Installation >40', Add</i>	36.70	
26 05 33 13-0705	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	296.92	34.27
		<i>For Work In Restricted Working Space, Add</i>	25.71	
		<i>For Elevated Installation >10' To 15', Add</i>	8.57	
		<i>For Elevated Installation >15' To 20', Add</i>	17.14	
		<i>For Elevated Installation >20' To 25', Add</i>	21.42	
		<i>For Elevated Installation >25' To 30', Add</i>	29.99	
		<i>For Elevated Installation >30' To 35', Add</i>	34.28	
		<i>For Elevated Installation >35' To 40', Add</i>	42.85	
		<i>For Elevated Installation >40', Add</i>	47.13	
26 05 33 13-0706	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	365.24	40.07
		<i>For Work In Restricted Working Space, Add</i>	30.06	
		<i>For Elevated Installation >10' To 15', Add</i>	10.02	
		<i>For Elevated Installation >15' To 20', Add</i>	20.04	
		<i>For Elevated Installation >20' To 25', Add</i>	25.05	
		<i>For Elevated Installation >25' To 30', Add</i>	35.07	
		<i>For Elevated Installation >30' To 35', Add</i>	40.08	
		<i>For Elevated Installation >35' To 40', Add</i>	50.10	
		<i>For Elevated Installation >40', Add</i>	55.10	
26 05 33 13-0707	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	454.86	43.68
		<i>For Work In Restricted Working Space, Add</i>	32.77	
		<i>For Elevated Installation >10' To 15', Add</i>	10.92	
		<i>For Elevated Installation >15' To 20', Add</i>	21.85	
		<i>For Elevated Installation >20' To 25', Add</i>	27.31	
		<i>For Elevated Installation >25' To 30', Add</i>	38.23	
		<i>For Elevated Installation >30' To 35', Add</i>	43.70	
		<i>For Elevated Installation >35' To 40', Add</i>	54.62	
		<i>For Elevated Installation >40', Add</i>	60.08	
26 05 33 13-0708	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	491.27	48.20
		<i>For Work In Restricted Working Space, Add</i>	36.16	
		<i>For Elevated Installation >10' To 15', Add</i>	12.05	
		<i>For Elevated Installation >15' To 20', Add</i>	24.11	
		<i>For Elevated Installation >20' To 25', Add</i>	30.14	
		<i>For Elevated Installation >25' To 30', Add</i>	42.19	
		<i>For Elevated Installation >30' To 35', Add</i>	48.22	
		<i>For Elevated Installation >35' To 40', Add</i>	60.27	
		<i>For Elevated Installation >40', Add</i>	66.30	
26 05 33 13-0709		Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters		
		<small>(26 05 33 13-0598)</small>		
26 05 33 13-0710	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	8.04	2.71
		<i>For Work In Restricted Working Space, Add</i>	2.00	
		<i>For Elevated Installation >10' To 15', Add</i>	0.67	
		<i>For Elevated Installation >15' To 20', Add</i>	1.34	
		<i>For Elevated Installation >20' To 25', Add</i>	1.67	
		<i>For Elevated Installation >25' To 30', Add</i>	2.34	
		<i>For Elevated Installation >30' To 35', Add</i>	2.67	
		<i>For Elevated Installation >35' To 40', Add</i>	3.34	
		<i>For Elevated Installation >40', Add</i>	3.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0711 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	8.78	2.71
For Work In Restricted Working Space, Add	2.00	
For Elevated Installation >10' To 15', Add	0.67	
For Elevated Installation >15' To 20', Add	1.34	
For Elevated Installation >20' To 25', Add	1.67	
For Elevated Installation >25' To 30', Add	2.34	
For Elevated Installation >30' To 35', Add	2.67	
For Elevated Installation >35' To 40', Add	3.34	
For Elevated Installation >40', Add	3.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.00	
26 05 33 13-0712 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.84	2.94
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.97	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.23	
26 05 33 13-0713 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.55	3.39
For Work In Restricted Working Space, Add	2.54	
For Elevated Installation >10' To 15', Add	0.85	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.12	
For Elevated Installation >25' To 30', Add	2.96	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.23	
For Elevated Installation >40', Add	4.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.54	
26 05 33 13-0714 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	17.24	4.07
For Work In Restricted Working Space, Add	3.07	
For Elevated Installation >10' To 15', Add	1.02	
For Elevated Installation >15' To 20', Add	2.05	
For Elevated Installation >20' To 25', Add	2.56	
For Elevated Installation >25' To 30', Add	3.58	
For Elevated Installation >30' To 35', Add	4.09	
For Elevated Installation >35' To 40', Add	5.12	
For Elevated Installation >40', Add	5.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.07	
26 05 33 13-0715 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	21.43	4.67
For Work In Restricted Working Space, Add	3.50	
For Elevated Installation >10' To 15', Add	1.17	
For Elevated Installation >15' To 20', Add	2.34	
For Elevated Installation >20' To 25', Add	2.92	
For Elevated Installation >25' To 30', Add	4.09	
For Elevated Installation >30' To 35', Add	4.67	
For Elevated Installation >35' To 40', Add	5.84	
For Elevated Installation >40', Add	6.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-0716 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	28.20	5.87
For Work In Restricted Working Space, Add	4.38	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.92	
For Elevated Installation >20' To 25', Add	3.65	
For Elevated Installation >25' To 30', Add	5.11	
For Elevated Installation >30' To 35', Add	5.84	
For Elevated Installation >35' To 40', Add	7.30	
For Elevated Installation >40', Add	8.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.38	
26 05 33 13-0717 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0718 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0717)</small>		
Note: Includes field bending conduit up to 1".		
26 05 33 13-0719 LF 1/2" Intermediate Metal Conduit (IMC) Conduit.....	5.59	1.51
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.18	
For Installation In Metal Stud Wall, Add	0.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.94	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.13	
For Elevated Installation >10' To 15', Add	0.38	
For Elevated Installation >15' To 20', Add	0.75	
For Elevated Installation >20' To 25', Add	0.94	
For Elevated Installation >25' To 30', Add	1.32	
For Elevated Installation >30' To 35', Add	1.50	
For Elevated Installation >35' To 40', Add	1.88	
For Elevated Installation >40', Add	2.07	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0720	LF 3/4" Intermediate Metal Conduit (IMC) Conduit	6.34	1.66
	For >250 To 500, Deduct	-0.11	
	For >500 To 1,000, Deduct	-0.16	
	For >1,000, Deduct	-0.22	
	For Installation In Metal Stub Wall, Add	0.42	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
	For Work In Restricted Working Space, Add	1.25	
	For Elevated Installation >10' To 15', Add	0.42	
	For Elevated Installation >15' To 20', Add	0.83	
	For Elevated Installation >20' To 25', Add	1.04	
	For Elevated Installation >25' To 30', Add	1.45	
	For Elevated Installation >30' To 35', Add	1.66	
	For Elevated Installation >35' To 40', Add	2.08	
	For Elevated Installation >40', Add	2.28	
26 05 33 13-0721	LF 1" Intermediate Metal Conduit (IMC) Conduit	7.90	1.81
	For >250 To 500, Deduct	-0.17	
	For >500 To 1,000, Deduct	-0.25	
	For >1,000, Deduct	-0.34	
	For Installation In Metal Stub Wall, Add	0.45	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
	For Work In Restricted Working Space, Add	1.36	
	For Elevated Installation >10' To 15', Add	0.45	
	For Elevated Installation >15' To 20', Add	0.90	
	For Elevated Installation >20' To 25', Add	1.13	
	For Elevated Installation >25' To 30', Add	1.58	
	For Elevated Installation >30' To 35', Add	1.81	
	For Elevated Installation >35' To 40', Add	2.26	
	For Elevated Installation >40', Add	2.49	
26 05 33 13-0722	LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	9.55	3.61
	For >250 To 500, Deduct	-0.21	
	For >500 To 1,000, Deduct	-0.32	
	For >1,000, Deduct	-0.43	
	For Installation In Metal Stub Wall, Add	0.53	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
	For Work In Restricted Working Space, Add	1.58	
	For Elevated Installation >10' To 15', Add	0.53	
	For Elevated Installation >15' To 20', Add	1.05	
	For Elevated Installation >20' To 25', Add	1.32	
	For Elevated Installation >25' To 30', Add	1.84	
	For Elevated Installation >30' To 35', Add	2.11	
	For Elevated Installation >35' To 40', Add	2.64	
	For Elevated Installation >40', Add	2.90	
26 05 33 13-0723	LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	11.07	2.41
	For >250 To 500, Deduct	-0.25	
	For >500 To 1,000, Deduct	-0.38	
	For >1,000, Deduct	-0.51	
	For Installation In Metal Stub Wall, Add	0.60	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
	For Work In Restricted Working Space, Add	1.81	
	For Elevated Installation >10' To 15', Add	0.60	
	For Elevated Installation >15' To 20', Add	1.20	
	For Elevated Installation >20' To 25', Add	1.51	
	For Elevated Installation >25' To 30', Add	2.11	
	For Elevated Installation >30' To 35', Add	2.41	
	For Elevated Installation >35' To 40', Add	3.01	
	For Elevated Installation >40', Add	3.31	
26 05 33 13-0724	LF 2" Intermediate Metal Conduit (IMC) Conduit	13.63	2.71
	For >250 To 500, Deduct	-0.34	
	For >500 To 1,000, Deduct	-0.51	
	For >1,000, Deduct	-0.69	
	For Installation In Metal Stub Wall, Add	0.68	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.70	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
	For Work In Restricted Working Space, Add	2.03	
	For Elevated Installation >10' To 15', Add	0.68	
	For Elevated Installation >15' To 20', Add	1.36	
	For Elevated Installation >20' To 25', Add	1.70	
	For Elevated Installation >25' To 30', Add	2.37	
	For Elevated Installation >30' To 35', Add	2.71	
	For Elevated Installation >35' To 40', Add	3.39	
	For Elevated Installation >40', Add	3.73	
26 05 33 13-0725	LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	24.21	3.61
	For >250 To 500, Deduct	-0.76	
	For >500 To 1,000, Deduct	-1.14	
	For >1,000, Deduct	-1.52	
	For Installation In Metal Stub Wall, Add	0.90	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.26	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.35	
	For Work In Restricted Working Space, Add	2.71	
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.81	
	For Elevated Installation >20' To 25', Add	2.26	
	For Elevated Installation >25' To 30', Add	3.16	
	For Elevated Installation >30' To 35', Add	3.61	
	For Elevated Installation >35' To 40', Add	4.52	
	For Elevated Installation >40', Add	4.97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0726 LF 3" Intermediate Metal Conduit (IMC) Conduit	29.97	4.52
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-1.87	
For Installation In Metal Stub Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.39	
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.26	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.95	
For Elevated Installation >30' To 35', Add	4.52	
For Elevated Installation >35' To 40', Add	5.65	
For Elevated Installation >40', Add	6.21	
26 05 33 13-0727 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	35.20	5.42
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.16	
For Installation In Metal Stub Wall, Add	1.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
For Work In Restricted Working Space, Add	4.07	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.71	
For Elevated Installation >20' To 25', Add	3.39	
For Elevated Installation >25' To 30', Add	4.75	
For Elevated Installation >30' To 35', Add	5.42	
For Elevated Installation >35' To 40', Add	6.78	
For Elevated Installation >40', Add	7.46	
26 05 33 13-0728 LF 4" Intermediate Metal Conduit (IMC) Conduit	41.28	6.32
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-1.91	
For >1,000, Deduct	-2.55	
For Installation In Metal Stub Wall, Add	1.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.96	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.37	
For Work In Restricted Working Space, Add	4.75	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.16	
For Elevated Installation >20' To 25', Add	3.96	
For Elevated Installation >25' To 30', Add	5.54	
For Elevated Installation >30' To 35', Add	6.33	
For Elevated Installation >35' To 40', Add	7.91	
For Elevated Installation >40', Add	8.70	
26 05 33 13-0729 Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0717)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0730 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	43.90	11.37
For Work In Restricted Working Space, Add	8.51	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.67	
For Elevated Installation >20' To 25', Add	7.09	
For Elevated Installation >25' To 30', Add	9.93	
For Elevated Installation >30' To 35', Add	11.34	
For Elevated Installation >35' To 40', Add	14.18	
For Elevated Installation >40', Add	15.60	
26 05 33 13-0731 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	54.71	13.18
For Work In Restricted Working Space, Add	9.88	
For Elevated Installation >10' To 15', Add	3.29	
For Elevated Installation >15' To 20', Add	6.58	
For Elevated Installation >20' To 25', Add	8.23	
For Elevated Installation >25' To 30', Add	11.52	
For Elevated Installation >30' To 35', Add	13.17	
For Elevated Installation >35' To 40', Add	16.46	
For Elevated Installation >40', Add	18.11	
26 05 33 13-0732 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	65.34	15.14
For Work In Restricted Working Space, Add	11.34	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.56	
For Elevated Installation >20' To 25', Add	9.45	
For Elevated Installation >25' To 30', Add	13.23	
For Elevated Installation >30' To 35', Add	15.12	
For Elevated Installation >35' To 40', Add	18.90	
For Elevated Installation >40', Add	20.78	
26 05 33 13-0733 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	81.23	16.64
For Work In Restricted Working Space, Add	12.47	
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.31	
For Elevated Installation >20' To 25', Add	10.39	
For Elevated Installation >25' To 30', Add	14.55	
For Elevated Installation >30' To 35', Add	16.63	
For Elevated Installation >35' To 40', Add	20.79	
For Elevated Installation >40', Add	22.86	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0734	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	119.30	20.79
		<i>For Work In Restricted Working Space, Add</i>	15.59	
		<i>For Elevated Installation >10' To 15', Add</i>	5.20	
		<i>For Elevated Installation >15' To 20', Add</i>	10.39	
		<i>For Elevated Installation >20' To 25', Add</i>	12.99	
		<i>For Elevated Installation >25' To 30', Add</i>	18.19	
		<i>For Elevated Installation >30' To 35', Add</i>	20.78	
		<i>For Elevated Installation >35' To 40', Add</i>	25.98	
		<i>For Elevated Installation >40', Add</i>	28.58	
26 05 33 13-0735	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	173.87	28.32
		<i>For Work In Restricted Working Space, Add</i>	21.23	
		<i>For Elevated Installation >10' To 15', Add</i>	7.08	
		<i>For Elevated Installation >15' To 20', Add</i>	14.16	
		<i>For Elevated Installation >20' To 25', Add</i>	17.70	
		<i>For Elevated Installation >25' To 30', Add</i>	24.77	
		<i>For Elevated Installation >30' To 35', Add</i>	28.31	
		<i>For Elevated Installation >35' To 40', Add</i>	35.39	
		<i>For Elevated Installation >40', Add</i>	38.93	
26 05 33 13-0736	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	261.84	31.93
		<i>For Work In Restricted Working Space, Add</i>	23.95	
		<i>For Elevated Installation >10' To 15', Add</i>	7.98	
		<i>For Elevated Installation >15' To 20', Add</i>	15.97	
		<i>For Elevated Installation >20' To 25', Add</i>	19.96	
		<i>For Elevated Installation >25' To 30', Add</i>	27.94	
		<i>For Elevated Installation >30' To 35', Add</i>	31.94	
		<i>For Elevated Installation >35' To 40', Add</i>	39.92	
		<i>For Elevated Installation >40', Add</i>	43.91	
26 05 33 13-0737	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	315.03	41.58
		<i>For Work In Restricted Working Space, Add</i>	31.17	
		<i>For Elevated Installation >10' To 15', Add</i>	10.39	
		<i>For Elevated Installation >15' To 20', Add</i>	20.78	
		<i>For Elevated Installation >20' To 25', Add</i>	25.98	
		<i>For Elevated Installation >25' To 30', Add</i>	36.37	
		<i>For Elevated Installation >30' To 35', Add</i>	41.56	
		<i>For Elevated Installation >35' To 40', Add</i>	51.96	
		<i>For Elevated Installation >40', Add</i>	57.15	

26 05 33 13-0738 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0717)

26 05 33 13-0739	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	10.47	3.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-0740	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.44	0.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-0741	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.23	5.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0742	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.88	6.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.20	
26 05 33 13-0743	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	22.48	7.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0744	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	29.37	9.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
26 05 33 13-0745	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	56.43	15.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0746	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	67.91	20.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37	
26 05 33 13-0747	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	91.19	24.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.30	
26 05 33 13-0748	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	108.11	28.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.24	

26 05 33 13-0749 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0717)

		Note: 3-Piece coupling.		
26 05 33 13-0750	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	35.38	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.05	
		<i>For Elevated Installation >10' To 15', Add</i>	3.02	
		<i>For Elevated Installation >15' To 20', Add</i>	6.03	
		<i>For Elevated Installation >20' To 25', Add</i>	7.54	
		<i>For Elevated Installation >25' To 30', Add</i>	10.56	
		<i>For Elevated Installation >30' To 35', Add</i>	12.06	
		<i>For Elevated Installation >35' To 40', Add</i>	15.08	
		<i>For Elevated Installation >40', Add</i>	16.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.05	
26 05 33 13-0751	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	40.39	13.48
		<i>For Work In Restricted Working Space, Add</i>	10.10	
		<i>For Elevated Installation >10' To 15', Add</i>	3.37	
		<i>For Elevated Installation >15' To 20', Add</i>	6.73	
		<i>For Elevated Installation >20' To 25', Add</i>	8.42	
		<i>For Elevated Installation >25' To 30', Add</i>	11.78	
		<i>For Elevated Installation >30' To 35', Add</i>	13.46	
		<i>For Elevated Installation >35' To 40', Add</i>	16.83	
		<i>For Elevated Installation >40', Add</i>	18.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	50.47	14.99
For Work In Restricted Working Space, Add	11.25	
For Elevated Installation >10' To 15', Add	3.75	
For Elevated Installation >15' To 20', Add	7.50	
For Elevated Installation >20' To 25', Add	9.38	
For Elevated Installation >25' To 30', Add	13.13	
For Elevated Installation >30' To 35', Add	15.00	
For Elevated Installation >35' To 40', Add	18.75	
For Elevated Installation >40', Add	20.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.25	
26 05 33 13-0753 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	64.90	16.42
For Work In Restricted Working Space, Add	12.31	
For Elevated Installation >10' To 15', Add	4.10	
For Elevated Installation >15' To 20', Add	8.21	
For Elevated Installation >20' To 25', Add	10.26	
For Elevated Installation >25' To 30', Add	14.36	
For Elevated Installation >30' To 35', Add	16.41	
For Elevated Installation >35' To 40', Add	20.52	
For Elevated Installation >40', Add	22.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.31	
26 05 33 13-0754 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	74.84	17.93
For Work In Restricted Working Space, Add	13.47	
For Elevated Installation >10' To 15', Add	4.49	
For Elevated Installation >15' To 20', Add	8.98	
For Elevated Installation >20' To 25', Add	11.22	
For Elevated Installation >25' To 30', Add	15.71	
For Elevated Installation >30' To 35', Add	17.96	
For Elevated Installation >35' To 40', Add	22.45	
For Elevated Installation >40', Add	24.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.47	
26 05 33 13-0755 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	108.52	19.43
For Work In Restricted Working Space, Add	14.58	
For Elevated Installation >10' To 15', Add	4.86	
For Elevated Installation >15' To 20', Add	9.72	
For Elevated Installation >20' To 25', Add	12.15	
For Elevated Installation >25' To 30', Add	17.01	
For Elevated Installation >30' To 35', Add	19.44	
For Elevated Installation >35' To 40', Add	24.31	
For Elevated Installation >40', Add	26.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.58	
26 05 33 13-0756 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	188.40	24.10
For Work In Restricted Working Space, Add	18.08	
For Elevated Installation >10' To 15', Add	6.03	
For Elevated Installation >15' To 20', Add	12.05	
For Elevated Installation >20' To 25', Add	15.06	
For Elevated Installation >25' To 30', Add	21.09	
For Elevated Installation >30' To 35', Add	24.10	
For Elevated Installation >35' To 40', Add	30.13	
For Elevated Installation >40', Add	33.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.08	
26 05 33 13-0757 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	270.73	30.12
For Work In Restricted Working Space, Add	22.59	
For Elevated Installation >10' To 15', Add	7.53	
For Elevated Installation >15' To 20', Add	15.06	
For Elevated Installation >20' To 25', Add	18.83	
For Elevated Installation >25' To 30', Add	26.36	
For Elevated Installation >30' To 35', Add	30.12	
For Elevated Installation >35' To 40', Add	37.66	
For Elevated Installation >40', Add	41.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.59	
26 05 33 13-0758 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	404.37	36.16
For Work In Restricted Working Space, Add	27.12	
For Elevated Installation >10' To 15', Add	9.04	
For Elevated Installation >15' To 20', Add	18.08	
For Elevated Installation >20' To 25', Add	22.60	
For Elevated Installation >25' To 30', Add	31.64	
For Elevated Installation >30' To 35', Add	36.16	
For Elevated Installation >35' To 40', Add	45.21	
For Elevated Installation >40', Add	49.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.12	
26 05 33 13-0759 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	469.53	39.17
For Work In Restricted Working Space, Add	29.37	
For Elevated Installation >10' To 15', Add	9.79	
For Elevated Installation >15' To 20', Add	19.58	
For Elevated Installation >20' To 25', Add	24.48	
For Elevated Installation >25' To 30', Add	34.27	
For Elevated Installation >30' To 35', Add	39.16	
For Elevated Installation >35' To 40', Add	48.95	
For Elevated Installation >40', Add	53.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.37	

26 05 33 13-0760 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0717)

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0761	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	20.76	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Elevated Installation >10' To 15', Add</i>	1.51	
			<i>For Elevated Installation >15' To 20', Add</i>	3.01	
			<i>For Elevated Installation >20' To 25', Add</i>	3.77	
			<i>For Elevated Installation >25' To 30', Add</i>	5.27	
			<i>For Elevated Installation >30' To 35', Add</i>	6.03	
			<i>For Elevated Installation >35' To 40', Add</i>	7.54	
			<i>For Elevated Installation >40', Add</i>	8.29	
26 05 33	13-0762	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	23.30	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Elevated Installation >10' To 15', Add</i>	1.66	
			<i>For Elevated Installation >15' To 20', Add</i>	3.31	
			<i>For Elevated Installation >20' To 25', Add</i>	4.14	
			<i>For Elevated Installation >25' To 30', Add</i>	5.80	
			<i>For Elevated Installation >30' To 35', Add</i>	6.63	
			<i>For Elevated Installation >35' To 40', Add</i>	8.29	
			<i>For Elevated Installation >40', Add</i>	9.11	
26 05 33	13-0763	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	26.84	7.53
			<i>For Work In Restricted Working Space, Add</i>	5.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.88	
			<i>For Elevated Installation >15' To 20', Add</i>	3.77	
			<i>For Elevated Installation >20' To 25', Add</i>	4.71	
			<i>For Elevated Installation >25' To 30', Add</i>	6.59	
			<i>For Elevated Installation >30' To 35', Add</i>	7.53	
			<i>For Elevated Installation >35' To 40', Add</i>	9.42	
			<i>For Elevated Installation >40', Add</i>	10.36	
26 05 33	13-0764	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	30.91	8.13
			<i>For Work In Restricted Working Space, Add</i>	6.10	
			<i>For Elevated Installation >10' To 15', Add</i>	2.03	
			<i>For Elevated Installation >15' To 20', Add</i>	4.07	
			<i>For Elevated Installation >20' To 25', Add</i>	5.09	
			<i>For Elevated Installation >25' To 30', Add</i>	7.12	
			<i>For Elevated Installation >30' To 35', Add</i>	8.14	
			<i>For Elevated Installation >35' To 40', Add</i>	10.17	
			<i>For Elevated Installation >40', Add</i>	11.19	
26 05 33	13-0765	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	37.33	9.03
			<i>For Work In Restricted Working Space, Add</i>	6.78	
			<i>For Elevated Installation >10' To 15', Add</i>	2.26	
			<i>For Elevated Installation >15' To 20', Add</i>	4.52	
			<i>For Elevated Installation >20' To 25', Add</i>	5.65	
			<i>For Elevated Installation >25' To 30', Add</i>	7.91	
			<i>For Elevated Installation >30' To 35', Add</i>	9.04	
			<i>For Elevated Installation >35' To 40', Add</i>	11.30	
			<i>For Elevated Installation >40', Add</i>	12.42	
26 05 33	13-0766	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	46.63	9.94
			<i>For Work In Restricted Working Space, Add</i>	7.46	
			<i>For Elevated Installation >10' To 15', Add</i>	2.49	
			<i>For Elevated Installation >15' To 20', Add</i>	4.97	
			<i>For Elevated Installation >20' To 25', Add</i>	6.21	
			<i>For Elevated Installation >25' To 30', Add</i>	8.70	
			<i>For Elevated Installation >30' To 35', Add</i>	9.94	
			<i>For Elevated Installation >35' To 40', Add</i>	12.43	
			<i>For Elevated Installation >40', Add</i>	13.67	
26 05 33	13-0767	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	65.04	12.05
			<i>For Work In Restricted Working Space, Add</i>	9.04	
			<i>For Elevated Installation >10' To 15', Add</i>	3.01	
			<i>For Elevated Installation >15' To 20', Add</i>	6.02	
			<i>For Elevated Installation >20' To 25', Add</i>	7.53	
			<i>For Elevated Installation >25' To 30', Add</i>	10.54	
			<i>For Elevated Installation >30' To 35', Add</i>	12.05	
			<i>For Elevated Installation >35' To 40', Add</i>	15.06	
			<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33	13-0768	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	80.27	15.07
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33	13-0769	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	96.45	18.08
			<i>For Work In Restricted Working Space, Add</i>	13.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.52	
			<i>For Elevated Installation >15' To 20', Add</i>	9.04	
			<i>For Elevated Installation >20' To 25', Add</i>	11.30	
			<i>For Elevated Installation >25' To 30', Add</i>	15.82	
			<i>For Elevated Installation >30' To 35', Add</i>	18.08	
			<i>For Elevated Installation >35' To 40', Add</i>	22.60	
			<i>For Elevated Installation >40', Add</i>	24.85	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0770	EA			4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	109.82	19.58
				<i>For Work In Restricted Working Space, Add</i>	14.69	
				<i>For Elevated Installation >10' To 15', Add</i>	4.90	
				<i>For Elevated Installation >15' To 20', Add</i>	9.79	
				<i>For Elevated Installation >20' To 25', Add</i>	12.24	
				<i>For Elevated Installation >25' To 30', Add</i>	17.13	
				<i>For Elevated Installation >30' To 35', Add</i>	19.58	
				<i>For Elevated Installation >35' To 40', Add</i>	24.48	
				<i>For Elevated Installation >40', Add</i>	26.92	
26 05 33 13-0771				Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0717)</small>		
26 05 33 13-0772	EA			1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	17.44	6.02
				<i>For Work In Restricted Working Space, Add</i>	4.52	
				<i>For Elevated Installation >10' To 15', Add</i>	1.51	
				<i>For Elevated Installation >15' To 20', Add</i>	3.01	
				<i>For Elevated Installation >20' To 25', Add</i>	3.77	
				<i>For Elevated Installation >25' To 30', Add</i>	5.27	
				<i>For Elevated Installation >30' To 35', Add</i>	6.03	
				<i>For Elevated Installation >35' To 40', Add</i>	7.54	
				<i>For Elevated Installation >40', Add</i>	8.29	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0773	EA			3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	22.39	7.53
				<i>For Work In Restricted Working Space, Add</i>	5.65	
				<i>For Elevated Installation >10' To 15', Add</i>	1.88	
				<i>For Elevated Installation >15' To 20', Add</i>	3.77	
				<i>For Elevated Installation >20' To 25', Add</i>	4.71	
				<i>For Elevated Installation >25' To 30', Add</i>	6.59	
				<i>For Elevated Installation >30' To 35', Add</i>	7.53	
				<i>For Elevated Installation >35' To 40', Add</i>	9.42	
				<i>For Elevated Installation >40', Add</i>	10.36	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0774	EA			1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.84	9.03
				<i>For Work In Restricted Working Space, Add</i>	6.78	
				<i>For Elevated Installation >10' To 15', Add</i>	2.26	
				<i>For Elevated Installation >15' To 20', Add</i>	4.52	
				<i>For Elevated Installation >20' To 25', Add</i>	5.65	
				<i>For Elevated Installation >25' To 30', Add</i>	7.91	
				<i>For Elevated Installation >30' To 35', Add</i>	9.04	
				<i>For Elevated Installation >35' To 40', Add</i>	11.30	
				<i>For Elevated Installation >40', Add</i>	12.42	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.78	
26 05 33 13-0775	EA			1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.79	10.54
				<i>For Work In Restricted Working Space, Add</i>	7.91	
				<i>For Elevated Installation >10' To 15', Add</i>	2.64	
				<i>For Elevated Installation >15' To 20', Add</i>	5.27	
				<i>For Elevated Installation >20' To 25', Add</i>	6.59	
				<i>For Elevated Installation >25' To 30', Add</i>	9.23	
				<i>For Elevated Installation >30' To 35', Add</i>	10.54	
				<i>For Elevated Installation >35' To 40', Add</i>	13.18	
				<i>For Elevated Installation >40', Add</i>	14.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-0776	EA			1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	39.70	12.05
				<i>For Work In Restricted Working Space, Add</i>	9.04	
				<i>For Elevated Installation >10' To 15', Add</i>	3.01	
				<i>For Elevated Installation >15' To 20', Add</i>	6.02	
				<i>For Elevated Installation >20' To 25', Add</i>	7.53	
				<i>For Elevated Installation >25' To 30', Add</i>	10.54	
				<i>For Elevated Installation >30' To 35', Add</i>	12.05	
				<i>For Elevated Installation >35' To 40', Add</i>	15.06	
				<i>For Elevated Installation >40', Add</i>	16.57	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.04	
26 05 33 13-0777	EA			2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	47.73	13.56
				<i>For Work In Restricted Working Space, Add</i>	10.17	
				<i>For Elevated Installation >10' To 15', Add</i>	3.39	
				<i>For Elevated Installation >15' To 20', Add</i>	6.78	
				<i>For Elevated Installation >20' To 25', Add</i>	8.47	
				<i>For Elevated Installation >25' To 30', Add</i>	11.86	
				<i>For Elevated Installation >30' To 35', Add</i>	13.56	
				<i>For Elevated Installation >35' To 40', Add</i>	16.95	
				<i>For Elevated Installation >40', Add</i>	18.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.17	
26 05 33 13-0778	EA			2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	60.85	15.07
				<i>For Work In Restricted Working Space, Add</i>	11.30	
				<i>For Elevated Installation >10' To 15', Add</i>	3.77	
				<i>For Elevated Installation >15' To 20', Add</i>	7.53	
				<i>For Elevated Installation >20' To 25', Add</i>	9.42	
				<i>For Elevated Installation >25' To 30', Add</i>	13.18	
				<i>For Elevated Installation >30' To 35', Add</i>	15.06	
				<i>For Elevated Installation >35' To 40', Add</i>	18.83	
				<i>For Elevated Installation >40', Add</i>	20.71	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0779	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	72.66	16.57
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-0780	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	89.44	19.58
		<i>For Work In Restricted Working Space, Add</i>	14.69	
		<i>For Elevated Installation >10' To 15', Add</i>	4.90	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.24	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.58	
		<i>For Elevated Installation >35' To 40', Add</i>	24.48	
		<i>For Elevated Installation >40', Add</i>	26.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 05 33 13-0781	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	103.82	21.09
		<i>For Work In Restricted Working Space, Add</i>	15.82	
		<i>For Elevated Installation >10' To 15', Add</i>	5.27	
		<i>For Elevated Installation >15' To 20', Add</i>	10.54	
		<i>For Elevated Installation >20' To 25', Add</i>	13.18	
		<i>For Elevated Installation >25' To 30', Add</i>	18.45	
		<i>For Elevated Installation >30' To 35', Add</i>	21.09	
		<i>For Elevated Installation >35' To 40', Add</i>	26.36	
		<i>For Elevated Installation >40', Add</i>	29.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82	
26 05 33 13-0782		Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0717)</small>		
26 05 33 13-0783	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	132.65	12.05
		<i>For Work In Restricted Working Space, Add</i>	9.04	
		<i>For Elevated Installation >10' To 15', Add</i>	3.01	
		<i>For Elevated Installation >15' To 20', Add</i>	6.03	
		<i>For Elevated Installation >20' To 25', Add</i>	7.53	
		<i>For Elevated Installation >25' To 30', Add</i>	10.55	
		<i>For Elevated Installation >30' To 35', Add</i>	12.05	
		<i>For Elevated Installation >35' To 40', Add</i>	15.07	
		<i>For Elevated Installation >40', Add</i>	16.57	
26 05 33 13-0784	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	146.66	13.56
		<i>For Work In Restricted Working Space, Add</i>	10.17	
		<i>For Elevated Installation >10' To 15', Add</i>	3.39	
		<i>For Elevated Installation >15' To 20', Add</i>	6.78	
		<i>For Elevated Installation >20' To 25', Add</i>	8.47	
		<i>For Elevated Installation >25' To 30', Add</i>	11.86	
		<i>For Elevated Installation >30' To 35', Add</i>	13.56	
		<i>For Elevated Installation >35' To 40', Add</i>	16.95	
		<i>For Elevated Installation >40', Add</i>	18.64	
26 05 33 13-0785	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	162.99	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
26 05 33 13-0786	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	197.76	16.57
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
26 05 33 13-0787	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	243.50	18.08
		<i>For Work In Restricted Working Space, Add</i>	13.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.52	
		<i>For Elevated Installation >15' To 20', Add</i>	9.04	
		<i>For Elevated Installation >20' To 25', Add</i>	11.30	
		<i>For Elevated Installation >25' To 30', Add</i>	15.82	
		<i>For Elevated Installation >30' To 35', Add</i>	18.08	
		<i>For Elevated Installation >35' To 40', Add</i>	22.60	
		<i>For Elevated Installation >40', Add</i>	24.85	
26 05 33 13-0788	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	322.42	19.58
		<i>For Work In Restricted Working Space, Add</i>	14.69	
		<i>For Elevated Installation >10' To 15', Add</i>	4.90	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.24	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.58	
		<i>For Elevated Installation >35' To 40', Add</i>	24.48	
		<i>For Elevated Installation >40', Add</i>	26.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA		2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	489.80	24.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.09	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.13	
			<i>For Elevated Installation >40', Add</i>	33.14	
26 05 33 13-0790	EA		3" Intermediate Metal Conduit (IMC) Expansion Fitting	588.22	30.12
			<i>For Work In Restricted Working Space, Add</i>	22.59	
			<i>For Elevated Installation >10' To 15', Add</i>	7.53	
			<i>For Elevated Installation >15' To 20', Add</i>	15.06	
			<i>For Elevated Installation >20' To 25', Add</i>	18.83	
			<i>For Elevated Installation >25' To 30', Add</i>	26.36	
			<i>For Elevated Installation >30' To 35', Add</i>	30.12	
			<i>For Elevated Installation >35' To 40', Add</i>	37.66	
			<i>For Elevated Installation >40', Add</i>	41.42	
26 05 33 13-0791	EA		3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	823.14	36.16
			<i>For Work In Restricted Working Space, Add</i>	27.12	
			<i>For Elevated Installation >10' To 15', Add</i>	9.04	
			<i>For Elevated Installation >15' To 20', Add</i>	18.08	
			<i>For Elevated Installation >20' To 25', Add</i>	22.60	
			<i>For Elevated Installation >25' To 30', Add</i>	31.64	
			<i>For Elevated Installation >30' To 35', Add</i>	36.16	
			<i>For Elevated Installation >35' To 40', Add</i>	45.20	
			<i>For Elevated Installation >40', Add</i>	49.71	
26 05 33 13-0792	EA		4" Intermediate Metal Conduit (IMC) Expansion Fitting	953.41	39.17
			<i>For Work In Restricted Working Space, Add</i>	29.37	
			<i>For Elevated Installation >10' To 15', Add</i>	9.79	
			<i>For Elevated Installation >15' To 20', Add</i>	19.58	
			<i>For Elevated Installation >20' To 25', Add</i>	24.48	
			<i>For Elevated Installation >25' To 30', Add</i>	34.27	
			<i>For Elevated Installation >30' To 35', Add</i>	39.16	
			<i>For Elevated Installation >35' To 40', Add</i>	48.95	
			<i>For Elevated Installation >40', Add</i>	53.85	
26 05 33 13-0793 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0717)</small>					
26 05 33 13-0794	EA		1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	77.11	18.83
			<i>For Work In Restricted Working Space, Add</i>	11.30	
			<i>For Elevated Installation >10' To 15', Add</i>	3.77	
			<i>For Elevated Installation >15' To 20', Add</i>	7.53	
			<i>For Elevated Installation >20' To 25', Add</i>	9.42	
			<i>For Elevated Installation >25' To 30', Add</i>	13.18	
			<i>For Elevated Installation >30' To 35', Add</i>	15.06	
			<i>For Elevated Installation >35' To 40', Add</i>	18.83	
			<i>For Elevated Installation >40', Add</i>	20.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0795	EA		3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	91.52	22.59
			<i>For Work In Restricted Working Space, Add</i>	13.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.52	
			<i>For Elevated Installation >15' To 20', Add</i>	9.04	
			<i>For Elevated Installation >20' To 25', Add</i>	11.30	
			<i>For Elevated Installation >25' To 30', Add</i>	15.82	
			<i>For Elevated Installation >30' To 35', Add</i>	18.08	
			<i>For Elevated Installation >35' To 40', Add</i>	22.60	
			<i>For Elevated Installation >40', Add</i>	24.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 05 33 13-0796	EA		1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	112.26	26.36
			<i>For Work In Restricted Working Space, Add</i>	15.82	
			<i>For Elevated Installation >10' To 15', Add</i>	5.27	
			<i>For Elevated Installation >15' To 20', Add</i>	10.54	
			<i>For Elevated Installation >20' To 25', Add</i>	13.18	
			<i>For Elevated Installation >25' To 30', Add</i>	18.45	
			<i>For Elevated Installation >30' To 35', Add</i>	21.09	
			<i>For Elevated Installation >35' To 40', Add</i>	26.36	
			<i>For Elevated Installation >40', Add</i>	29.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82	
26 05 33 13-0797	EA		1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	132.56	30.12
			<i>For Work In Restricted Working Space, Add</i>	18.08	
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.09	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.13	
			<i>For Elevated Installation >40', Add</i>	33.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-0798	EA		1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	176.64	33.89
			<i>For Work In Restricted Working Space, Add</i>	20.33	
			<i>For Elevated Installation >10' To 15', Add</i>	6.78	
			<i>For Elevated Installation >15' To 20', Add</i>	13.56	
			<i>For Elevated Installation >20' To 25', Add</i>	16.95	
			<i>For Elevated Installation >25' To 30', Add</i>	23.72	
			<i>For Elevated Installation >30' To 35', Add</i>	27.11	
			<i>For Elevated Installation >35' To 40', Add</i>	33.89	
			<i>For Elevated Installation >40', Add</i>	37.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0799	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	216.36	37.66
		<i>For Work In Restricted Working Space, Add</i>	22.59	
		<i>For Elevated Installation >10' To 15', Add</i>	7.53	
		<i>For Elevated Installation >15' To 20', Add</i>	15.06	
		<i>For Elevated Installation >20' To 25', Add</i>	18.83	
		<i>For Elevated Installation >25' To 30', Add</i>	26.36	
		<i>For Elevated Installation >30' To 35', Add</i>	30.12	
		<i>For Elevated Installation >35' To 40', Add</i>	37.66	
		<i>For Elevated Installation >40', Add</i>	41.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 05 33 13-0800	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	309.52	45.19
		<i>For Work In Restricted Working Space, Add</i>	27.11	
		<i>For Elevated Installation >10' To 15', Add</i>	9.04	
		<i>For Elevated Installation >15' To 20', Add</i>	18.08	
		<i>For Elevated Installation >20' To 25', Add</i>	22.60	
		<i>For Elevated Installation >25' To 30', Add</i>	31.63	
		<i>For Elevated Installation >30' To 35', Add</i>	36.15	
		<i>For Elevated Installation >35' To 40', Add</i>	45.19	
		<i>For Elevated Installation >40', Add</i>	49.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.11	
26 05 33 13-0801	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	373.12	52.72
		<i>For Work In Restricted Working Space, Add</i>	31.63	
		<i>For Elevated Installation >10' To 15', Add</i>	10.54	
		<i>For Elevated Installation >15' To 20', Add</i>	21.09	
		<i>For Elevated Installation >20' To 25', Add</i>	26.36	
		<i>For Elevated Installation >25' To 30', Add</i>	36.90	
		<i>For Elevated Installation >30' To 35', Add</i>	42.17	
		<i>For Elevated Installation >35' To 40', Add</i>	52.72	
		<i>For Elevated Installation >40', Add</i>	57.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.63	
26 05 33 13-0802	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	892.54	60.25
		<i>For Work In Restricted Working Space, Add</i>	36.15	
		<i>For Elevated Installation >10' To 15', Add</i>	12.05	
		<i>For Elevated Installation >15' To 20', Add</i>	24.10	
		<i>For Elevated Installation >20' To 25', Add</i>	30.13	
		<i>For Elevated Installation >25' To 30', Add</i>	42.18	
		<i>For Elevated Installation >30' To 35', Add</i>	48.20	
		<i>For Elevated Installation >35' To 40', Add</i>	60.25	
		<i>For Elevated Installation >40', Add</i>	66.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.15	
26 05 33 13-0803	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,029.08	67.78
		<i>For Work In Restricted Working Space, Add</i>	40.67	
		<i>For Elevated Installation >10' To 15', Add</i>	13.56	
		<i>For Elevated Installation >15' To 20', Add</i>	27.11	
		<i>For Elevated Installation >20' To 25', Add</i>	33.89	
		<i>For Elevated Installation >25' To 30', Add</i>	47.45	
		<i>For Elevated Installation >30' To 35', Add</i>	54.23	
		<i>For Elevated Installation >35' To 40', Add</i>	67.79	
		<i>For Elevated Installation >40', Add</i>	74.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	
26 05 33 13-0804		Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0717)</small>		
26 05 33 13-0805	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	10.38	3.61
		<i>For Work In Restricted Working Space, Add</i>	2.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.81	
		<i>For Elevated Installation >20' To 25', Add</i>	2.26	
		<i>For Elevated Installation >25' To 30', Add</i>	3.16	
		<i>For Elevated Installation >30' To 35', Add</i>	3.61	
		<i>For Elevated Installation >35' To 40', Add</i>	4.52	
		<i>For Elevated Installation >40', Add</i>	4.97	
26 05 33 13-0806	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	14.44	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.28	
		<i>For Elevated Installation >15' To 20', Add</i>	2.56	
		<i>For Elevated Installation >20' To 25', Add</i>	3.20	
		<i>For Elevated Installation >25' To 30', Add</i>	4.48	
		<i>For Elevated Installation >30' To 35', Add</i>	5.12	
		<i>For Elevated Installation >35' To 40', Add</i>	6.41	
		<i>For Elevated Installation >40', Add</i>	7.05	
26 05 33 13-0807	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	18.99	6.62
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Elevated Installation >10' To 15', Add</i>	1.66	
		<i>For Elevated Installation >15' To 20', Add</i>	3.31	
		<i>For Elevated Installation >20' To 25', Add</i>	4.14	
		<i>For Elevated Installation >25' To 30', Add</i>	5.80	
		<i>For Elevated Installation >30' To 35', Add</i>	6.62	
		<i>For Elevated Installation >35' To 40', Add</i>	8.28	
		<i>For Elevated Installation >40', Add</i>	9.11	
26 05 33 13-0808	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	21.87	7.53
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0809 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	26.42	9.03
For Work In Restricted Working Space, Add	6.77	
For Elevated Installation >10' To 15', Add	2.26	
For Elevated Installation >15' To 20', Add	4.52	
For Elevated Installation >20' To 25', Add	5.65	
For Elevated Installation >25' To 30', Add	7.90	
For Elevated Installation >30' To 35', Add	9.03	
For Elevated Installation >35' To 40', Add	11.29	
For Elevated Installation >40', Add	12.42	
26 05 33 13-0810 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	30.68	10.24
For Work In Restricted Working Space, Add	7.69	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.41	
For Elevated Installation >25' To 30', Add	8.97	
For Elevated Installation >30' To 35', Add	10.25	
For Elevated Installation >35' To 40', Add	12.81	
For Elevated Installation >40', Add	14.09	
26 05 33 13-0811 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	39.83	11.44
For Work In Restricted Working Space, Add	8.59	
For Elevated Installation >10' To 15', Add	2.86	
For Elevated Installation >15' To 20', Add	5.72	
For Elevated Installation >20' To 25', Add	7.16	
For Elevated Installation >25' To 30', Add	10.02	
For Elevated Installation >30' To 35', Add	11.45	
For Elevated Installation >35' To 40', Add	14.31	
For Elevated Installation >40', Add	15.74	
26 05 33 13-0812 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling.....	47.70	12.96
For Work In Restricted Working Space, Add	9.72	
For Elevated Installation >10' To 15', Add	3.24	
For Elevated Installation >15' To 20', Add	6.48	
For Elevated Installation >20' To 25', Add	8.10	
For Elevated Installation >25' To 30', Add	11.34	
For Elevated Installation >30' To 35', Add	12.96	
For Elevated Installation >35' To 40', Add	16.20	
For Elevated Installation >40', Add	17.81	
26 05 33 13-0813 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	55.88	14.16
For Work In Restricted Working Space, Add	10.62	
For Elevated Installation >10' To 15', Add	3.54	
For Elevated Installation >15' To 20', Add	7.08	
For Elevated Installation >20' To 25', Add	8.85	
For Elevated Installation >25' To 30', Add	12.39	
For Elevated Installation >30' To 35', Add	14.16	
For Elevated Installation >35' To 40', Add	17.71	
For Elevated Installation >40', Add	19.48	
26 05 33 13-0814 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	58.27	15.07
For Work In Restricted Working Space, Add	11.29	
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.53	
For Elevated Installation >20' To 25', Add	9.41	
For Elevated Installation >25' To 30', Add	13.17	
For Elevated Installation >30' To 35', Add	15.06	
For Elevated Installation >35' To 40', Add	18.82	
For Elevated Installation >40', Add	20.70	
26 05 33 13-0815 Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0717)		
26 05 33 13-0816 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	5.27	1.51
For Work In Restricted Working Space, Add	1.13	
For Elevated Installation >10' To 15', Add	0.38	
For Elevated Installation >15' To 20', Add	0.75	
For Elevated Installation >20' To 25', Add	0.94	
For Elevated Installation >25' To 30', Add	1.32	
For Elevated Installation >30' To 35', Add	1.50	
For Elevated Installation >35' To 40', Add	1.88	
For Elevated Installation >40', Add	2.07	
26 05 33 13-0817 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing.....	6.13	1.51
For Work In Restricted Working Space, Add	1.13	
For Elevated Installation >10' To 15', Add	0.38	
For Elevated Installation >15' To 20', Add	0.75	
For Elevated Installation >20' To 25', Add	0.94	
For Elevated Installation >25' To 30', Add	1.32	
For Elevated Installation >30' To 35', Add	1.50	
For Elevated Installation >35' To 40', Add	1.88	
For Elevated Installation >40', Add	2.07	
26 05 33 13-0818 Aluminum Rigid Conduit (ARC) (26 05 33 13-0058)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0819 Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-0818)		
Note: Includes field bend conduit up to 1".		
26 05 33 13-0820 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	4.79	1.51
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.13	
26 05 33 13-0821 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.52	1.66
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.25	
26 05 33 13-0822 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.47	1.81
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.36	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0823	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.46	1.96
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
		<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 33 13-0824	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.45	2.11
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
		<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-0825	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.27	2.41
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
		<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-0826	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	14.24	3.01
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-0827	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	17.85	3.61
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
		<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-0828	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	21.87	4.52
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
		<i>For Work In Restricted Working Space, Add</i>	3.39	
26 05 33 13-0829	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	26.85	5.72
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.15	
		<i>For Work In Restricted Working Space, Add</i>	4.29	
26 05 33 13-0830	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	36.02	7.23
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.71	
		<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33 13-0831	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	46.20	9.03
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.39	
		<i>For Work In Restricted Working Space, Add</i>	6.78	
26 05 33 13-0832		Aluminum 90 Degree Elbows (26 05 33 13-0818)		
26 05 33 13-0833	EA	1" Aluminum 90 Degree Elbow.....	30.51	7.83
		<i>For Work In Restricted Working Space, Add</i>	5.87	
26 05 33 13-0834	EA	1-1/4" Aluminum 90 Degree Elbow.....	39.57	8.88
		<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-0835	EA	1-1/2" Aluminum 90 Degree Elbow.....	48.71	10.24
		<i>For Work In Restricted Working Space, Add</i>	7.68	
26 05 33 13-0836	EA	2" Aluminum 90 Degree Elbow.....	63.38	11.74
		<i>For Work In Restricted Working Space, Add</i>	8.81	
26 05 33 13-0837	EA	2-1/2" Aluminum 90 Degree Elbow.....	93.08	14.31
		<i>For Work In Restricted Working Space, Add</i>	10.73	
26 05 33 13-0838	EA	3" Aluminum 90 Degree Elbow.....	134.84	18.53
		<i>For Work In Restricted Working Space, Add</i>	13.89	
26 05 33 13-0839	EA	3-1/2" Aluminum 90 Degree Elbow.....	190.03	20.79
		<i>For Work In Restricted Working Space, Add</i>	15.59	
26 05 33 13-0840	EA	4" Aluminum 90 Degree Elbow.....	228.85	26.06
		<i>For Work In Restricted Working Space, Add</i>	19.54	
26 05 33 13-0841	EA	5" Aluminum 90 Degree Elbow.....	590.26	42.48
		<i>For Work In Restricted Working Space, Add</i>	31.86	
26 05 33 13-0842	EA	6" Aluminum 90 Degree Elbow.....	829.41	63.87
		<i>For Work In Restricted Working Space, Add</i>	47.90	
26 05 33 13-0843		Aluminum Bushing Set With Locknut (26 05 33 13-0818)		
26 05 33 13-0844	EA	1/2" Aluminum Bushing Set With Locknut.....	8.36	3.01
		<i>For Work In Restricted Working Space, Add</i>	2.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33 13-0845	EA	3/4" Aluminum Bushing Set With Locknut.....	13.14	3.91
		<i>For Work In Restricted Working Space, Add</i>	2.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-0846	EA	1" Aluminum Bushing Set With Locknut.....	12.59	4.82
		<i>For Work In Restricted Working Space, Add</i>	3.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-0847	EA	1-1/4" Aluminum Bushing Set With Locknut.....	14.16	5.42
		<i>For Work In Restricted Working Space, Add</i>	4.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0848	EA	1-1/2" Aluminum Bushing Set With Locknut.....	17.34	6.62
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0849	EA	2" Aluminum Bushing Set With Locknut.....	21.22	7.98
		<i>For Work In Restricted Working Space, Add</i>	5.99	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.99	
26 05 33 13-0850	EA	2-1/2" Aluminum Bushing Set With Locknut.....	26.32	9.49
		<i>For Work In Restricted Working Space, Add</i>	7.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33 13-0851	EA	3" Aluminum Bushing Set With Locknut.....	30.95	10.84
		<i>For Work In Restricted Working Space, Add</i>	8.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-0852	EA	3-1/2" Aluminum Bushing Set With Locknut.....	33.45	11.74
		<i>For Work In Restricted Working Space, Add</i>	8.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 05 33 13-0853	EA	4" Aluminum Bushing Set With Locknut.....	36.53	12.66
		<i>For Work In Restricted Working Space, Add</i>	9.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.49	
26 05 33 13-0854	EA	5" Aluminum Bushing Set With Locknut.....	48.31	16.87
		<i>For Work In Restricted Working Space, Add</i>	12.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.65	
26 05 33 13-0855	EA	6" Aluminum Bushing Set With Locknut.....	71.69	25.30
		<i>For Work In Restricted Working Space, Add</i>	18.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 33 13-0856		Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0058)</small>		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0857		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-0856)</small>		
		Note: Includes field bend conduit up to 1".		
26 05 33 13-0858	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	3.64	1.20
		For Schedule 60, Add	0.31	
		For Schedule 80, Add	0.52	
26 05 33 13-0859	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	4.15	1.32
		For Schedule 60, Add	0.38	
		For Schedule 80, Add	0.63	
26 05 33 13-0860	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.11	1.54
		For Schedule 60, Add	0.51	
		For Schedule 80, Add	0.82	
26 05 33 13-0861	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.08	1.76
		For Schedule 60, Add	0.64	
		For Schedule 80, Add	1.03	
26 05 33 13-0862	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.15	2.05
		For Schedule 60, Add	0.76	
		For Schedule 80, Add	1.22	
26 05 33 13-0863	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	8.52	2.36
		For Schedule 60, Add	0.95	
		For Schedule 80, Add	1.51	
26 05 33 13-0864	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.20	2.80
		For Schedule 60, Add	1.40	
		For Schedule 80, Add	2.17	
26 05 33 13-0865	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	13.10	3.24
		For Schedule 60, Add	1.66	
		For Schedule 80, Add	2.56	
26 05 33 13-0866	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	15.96	3.83
		For Schedule 60, Add	2.08	
		For Schedule 80, Add	3.20	
26 05 33 13-0867	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	18.81	4.71
		For Schedule 60, Add	2.35	
		For Schedule 80, Add	3.64	
26 05 33 13-0868	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	26.82	6.62
		For Schedule 60, Add	3.40	
		For Schedule 80, Add	5.25	
26 05 33 13-0869	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	35.63	8.83
		For Schedule 60, Add	4.49	
		For Schedule 80, Add	6.95	
26 05 33 13-0870		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-0856)</small>		
		See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33 13-0871	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	15.77	5.88
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	1.00	
		For Schedule 80, Add	1.84	
26 05 33 13-0872	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	17.45	6.48
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	1.12	
		For Schedule 80, Add	2.06	
26 05 33 13-0873	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	20.36	7.36
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	1.41	
		For Schedule 80, Add	2.53	
26 05 33 13-0874	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	26.39	9.41
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	1.89	
		For Schedule 80, Add	3.35	
26 05 33 13-0875	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	33.30	11.77
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	2.44	
		For Schedule 80, Add	4.30	
26 05 33 13-0876	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	42.12	14.72
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	3.17	
		For Schedule 80, Add	5.55	
26 05 33 13-0877	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	53.60	17.65
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	4.57	
		For Schedule 80, Add	7.73	
26 05 33 13-0878	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	66.98	20.60
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	6.45	
		For Schedule 80, Add	10.57	
26 05 33 13-0879	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	84.07	25.01
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	8.51	
		For Schedule 80, Add	13.79	
26 05 33 13-0880	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	101.28	29.43
		See CSI section 26 05 33 13-1648 for conduit field bending.		
		For Schedule 60, Add	10.61	
		For Schedule 80, Add	17.06	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0881	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	140.75 16.80 26.28	36.78
26 05 33 13-0882	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	172.57 21.07 32.81	44.14
26 05 33 13-0883			Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-0856) See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33 13-0884	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	15.77 1.00 1.84	5.88
26 05 33 13-0885	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.37 1.10 2.03	6.48
26 05 33 13-0886	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.26 1.39 2.49	7.36
26 05 33 13-0887	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.08 1.81 3.24	9.41
26 05 33 13-0888	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	32.61 2.27 4.06	11.77
26 05 33 13-0889	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	41.75 3.08 5.42	14.72
26 05 33 13-0890	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	52.91 4.40 7.48	17.65
26 05 33 13-0891	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	66.11 6.23 10.26	20.60
26 05 33 13-0892	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	81.61 7.90 12.93	25.01
26 05 33 13-0893	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	99.17 10.08 16.32	29.43
26 05 33 13-0894	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	138.02 16.12 25.32	36.78
26 05 33 13-0895	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	164.43 19.04 29.96	44.14
26 05 33 13-0896			Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-0856)		
26 05 33 13-0897	EA		1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.79 3.09	4.12
26 05 33 13-0898	EA		3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43 3.53	4.71
26 05 33 13-0899	EA		1" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.14 3.97	5.29
26 05 33 13-0900	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.97 4.42	5.88
26 05 33 13-0901	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75 5.52	7.36
26 05 33 13-0902	EA		2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.00 6.62	8.83
26 05 33 13-0903	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.00 8.83	11.77
26 05 33 13-0904	EA		3" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.64 11.03	14.72
26 05 33 13-0905	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.99 14.35	19.13
26 05 33 13-0906	EA		4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.30 17.66	23.54
26 05 33 13-0907	EA		5" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.57 22.07	29.43
26 05 33 13-0908	EA		6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.64 27.59	36.78

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-0909 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-0856)</small>				
26 05 33 13-0910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	12.80	3.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.65	
26 05 33 13-0911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.55	4.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09	
26 05 33 13-0912	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	16.32	4.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53	
26 05 33 13-0913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.49	5.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-0914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.74	5.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 33 13-0915	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	26.14	6.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.08	
26 05 33 13-0916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	29.23	7.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-0917	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.06	8.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	39.20	10.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	
26 05 33 13-0919	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	43.16	11.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-0920	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	54.81	13.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-0921	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	61.67	14.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 05 33 13-0922 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-0856)</small>				
26 05 33 13-0923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	11.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-0924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	14.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0925	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	15.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	17.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	19.58	7.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-0928	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	23.77	8.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-0929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	32.53	11.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-0930	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	40.99	14.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 05 33 13-0931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	53.16	19.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.35	
26 05 33 13-0932	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	64.44	23.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.66	
26 05 33 13-0933	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	84.89	29.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.07	
26 05 33 13-0934	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	105.62	36.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0935 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-0856)</small>				
26 05 33 13-0936	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	33.97	11.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-0937	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	39.52	13.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-0938	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	43.89	14.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 05 33 13-0939	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	54.29	17.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.24	
26 05 33 13-0940	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	67.05	22.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.55	
26 05 33 13-0941	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	87.27	26.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.86	
26 05 33 13-0942	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	152.65	29.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.07	
26 05 33 13-0943	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	162.76	32.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.28	
26 05 33 13-0944	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	176.52	36.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0945	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	196.75	42.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.00	
26 05 33 13-0946 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <small>(26 05 33 13-0856)</small>				
26 05 33 13-0947	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	43.70	15.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-0948	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	48.99	16.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-0949	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	52.93	18.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0950	EA		1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.70 15.82	21.09
26 05 33 13-0951	EA		1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.52 19.21	25.61
26 05 33 13-0952	EA		2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.43 22.59	30.12
26 05 33 13-0953			Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-0856)</small>		
26 05 33 13-0954	EA		1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	75.59	14.72
26 05 33 13-0955	EA		3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	83.93	17.65
26 05 33 13-0956	EA		1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	92.85	20.60
26 05 33 13-0957	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	101.19	23.54
26 05 33 13-0958	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	109.29	26.48
26 05 33 13-0959	EA		2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	119.25	29.43
26 05 33 13-0960	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	146.38	33.84
26 05 33 13-0961	EA		3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	175.79	38.25
26 05 33 13-0962	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	205.89	44.14
26 05 33 13-0963	EA		4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	245.14	51.50
26 05 33 13-0964	EA		5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	325.35	61.80
26 05 33 13-0965	EA		6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	428.18	79.45
26 05 33 13-0966			Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-0856)</small>		
26 05 33 13-0967	EA		1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.40 2.21	2.95
26 05 33 13-0968	EA		3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.10 2.65	3.53
26 05 33 13-0969	EA		1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.75 3.09	4.12
26 05 33 13-0970	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.29 3.53	4.71
26 05 33 13-0971	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.87 3.97	5.29
26 05 33 13-0972	EA		2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.19 4.42	5.88
26 05 33 13-0973	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.65 5.08	6.77
26 05 33 13-0974	EA		3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.51 5.74	7.65
26 05 33 13-0975	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.13 6.40	8.53
26 05 33 13-0976	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.48 6.84	9.12
26 05 33 13-0977	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.04 7.73	10.30
26 05 33 13-0978	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.53 8.83	11.77
26 05 33 13-0979			Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-0856)</small>		
26 05 33 13-0980	EA		2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.22 19.86	26.48
26 05 33 13-0981	EA		3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.66 13.24	17.65
26 05 33 13-0982	EA		1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.56 22.07	29.43
26 05 33 13-0983	EA		3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	456.98 32.00	42.66
26 05 33 13-0984			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0058)</small>		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.					
26 05 33 13-0985			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0984)</small>		
26 05 33 13-0986	LF		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.70	1.20
26 05 33 13-0987	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.33	1.32
26 05 33 13-0988	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.05	1.53
26 05 33 13-0989	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.78	1.76
26 05 33 13-0990	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.79	2.05
26 05 33 13-0991	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.62	2.36
26 05 33 13-0992	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.47	2.80
26 05 33 13-0993	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.46	3.24
26 05 33 13-0994	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.60	3.83
26 05 33 13-0995	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.48	4.71
26 05 33 13-0996	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.94	6.62
26 05 33 13-0997	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.56	8.83
26 05 33 13-0998			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-0984)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	64.28 4.45 6.43 8.40	5.88
26 05 33 13-1000 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	71.68 4.97 7.17 9.36	6.48
26 05 33 13-1001 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	74.44 5.12 7.44 9.76	7.36
26 05 33 13-1002 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	80.14 5.42 8.01 10.61	9.41
26 05 33 13-1003 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	86.59 5.76 8.66 11.56	11.77
26 05 33 13-1004 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	101.82 6.72 10.18 13.65	14.72
26 05 33 13-1005 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	121.99 8.05 12.20 16.35	17.65
26 05 33 13-1006 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	144.92 9.58 14.49 19.40	20.60
26 05 33 13-1007 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	167.63 11.01 16.76 22.52	25.01
26 05 33 13-1008 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	190.35 12.44 19.04 25.63	29.43
26 05 33 13-1009 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	237.92 15.55 23.79 32.04	36.78
26 05 33 13-1010 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	292.82 19.20 29.28 39.36	44.14
26 05 33 13-1011 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-0994)</small>		
26 05 33 13-1012 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	55.36 3.78 5.54 7.29	5.88
26 05 33 13-1013 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	61.69 4.22 6.17 8.12	6.48
26 05 33 13-1014 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	64.35 4.37 6.44 8.50	7.36
26 05 33 13-1015 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	69.95 4.66 7.00 9.33	9.41
26 05 33 13-1016 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	76.30 4.99 7.63 10.27	11.77
26 05 33 13-1017 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	90.12 5.84 9.01 12.18	14.72
26 05 33 13-1018 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	107.98 7.00 10.80 14.60	17.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-1019	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	128.11	20.60
		<i>For 24" Radius, Add</i>	8.32	
		<i>For 36" Radius, Add</i>	12.81	
		<i>For 48" Radius, Add</i>	17.30	
26 05 33 13-1020	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	148.71	25.01
		<i>For 24" Radius, Add</i>	9.59	
		<i>For 36" Radius, Add</i>	14.87	
		<i>For 48" Radius, Add</i>	20.15	
26 05 33 13-1021	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	169.33	29.43
		<i>For 24" Radius, Add</i>	10.86	
		<i>For 36" Radius, Add</i>	16.93	
		<i>For 48" Radius, Add</i>	23.01	
26 05 33 13-1022	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	211.65	36.78
		<i>For 24" Radius, Add</i>	13.58	
		<i>For 36" Radius, Add</i>	21.17	
		<i>For 48" Radius, Add</i>	28.76	
26 05 33 13-1023	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	259.97	44.14
		<i>For 24" Radius, Add</i>	16.74	
		<i>For 36" Radius, Add</i>	26.00	
		<i>For 48" Radius, Add</i>	35.26	

26 05 33 13-1024 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-0984)

26 05 33 13-1025	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	51.40	5.29
		<i>For 24" Radius, Add</i>	3.52	
		<i>For 36" Radius, Add</i>	5.14	
		<i>For 48" Radius, Add</i>	6.76	
26 05 33 13-1026	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	57.30	5.82
		<i>For 24" Radius, Add</i>	3.93	
		<i>For 36" Radius, Add</i>	5.73	
		<i>For 48" Radius, Add</i>	7.53	
26 05 33 13-1027	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	59.71	6.62
		<i>For 24" Radius, Add</i>	4.06	
		<i>For 36" Radius, Add</i>	5.97	
		<i>For 48" Radius, Add</i>	7.88	
26 05 33 13-1028	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	64.77	8.47
		<i>For 24" Radius, Add</i>	4.33	
		<i>For 36" Radius, Add</i>	6.48	
		<i>For 48" Radius, Add</i>	8.63	
26 05 33 13-1029	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	70.49	10.60
		<i>For 24" Radius, Add</i>	4.62	
		<i>For 36" Radius, Add</i>	7.05	
		<i>For 48" Radius, Add</i>	9.47	
26 05 33 13-1030	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	83.18	13.24
		<i>For 24" Radius, Add</i>	5.41	
		<i>For 36" Radius, Add</i>	8.32	
		<i>For 48" Radius, Add</i>	11.23	
26 05 33 13-1031	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	99.68	15.89
		<i>For 24" Radius, Add</i>	6.48	
		<i>For 36" Radius, Add</i>	9.97	
		<i>For 48" Radius, Add</i>	13.45	
26 05 33 13-1032	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	118.28	18.54
		<i>For 24" Radius, Add</i>	7.71	
		<i>For 36" Radius, Add</i>	11.83	
		<i>For 48" Radius, Add</i>	15.94	
26 05 33 13-1033	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	137.21	22.51
		<i>For 24" Radius, Add</i>	8.88	
		<i>For 36" Radius, Add</i>	13.72	
		<i>For 48" Radius, Add</i>	18.56	
26 05 33 13-1034	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	156.13	26.48
		<i>For 24" Radius, Add</i>	10.05	
		<i>For 36" Radius, Add</i>	15.61	
		<i>For 48" Radius, Add</i>	21.17	
26 05 33 13-1035	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	195.16	33.10
		<i>For 24" Radius, Add</i>	12.57	
		<i>For 36" Radius, Add</i>	19.52	
		<i>For 48" Radius, Add</i>	26.46	
26 05 33 13-1036	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	239.81	39.73
		<i>For 24" Radius, Add</i>	15.50	
		<i>For 36" Radius, Add</i>	23.98	
		<i>For 48" Radius, Add</i>	32.46	

26 05 33 13-1037 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-0984)

26 05 33 13-1038	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	48.93	5.29
		<i>For 24" Radius, Add</i>	3.34	
		<i>For 36" Radius, Add</i>	4.89	
		<i>For 48" Radius, Add</i>	6.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1039	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	54.52	5.82
			For 24" Radius, Add	3.72	
			For 36" Radius, Add	5.45	
			For 48" Radius, Add	7.18	
26 05 33 13-1040	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	56.91	6.62
			For 24" Radius, Add	3.85	
			For 36" Radius, Add	5.69	
			For 48" Radius, Add	7.53	
26 05 33 13-1041	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	61.94	8.47
			For 24" Radius, Add	4.12	
			For 36" Radius, Add	6.19	
			For 48" Radius, Add	8.27	
26 05 33 13-1042	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	67.64	10.60
			For 24" Radius, Add	4.41	
			For 36" Radius, Add	6.76	
			For 48" Radius, Add	9.12	
26 05 33 13-1043	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	79.93	13.24
			For 24" Radius, Add	5.17	
			For 36" Radius, Add	7.99	
			For 48" Radius, Add	10.82	
26 05 33 13-1044	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	95.78	15.89
			For 24" Radius, Add	6.19	
			For 36" Radius, Add	9.58	
			For 48" Radius, Add	12.97	
26 05 33 13-1045	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	113.60	18.54
			For 24" Radius, Add	7.36	
			For 36" Radius, Add	11.36	
			For 48" Radius, Add	15.36	
26 05 33 13-1046	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	131.95	22.51
			For 24" Radius, Add	8.49	
			For 36" Radius, Add	13.20	
			For 48" Radius, Add	17.90	
26 05 33 13-1047	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	150.29	26.48
			For 24" Radius, Add	9.62	
			For 36" Radius, Add	15.03	
			For 48" Radius, Add	20.44	
26 05 33 13-1048	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	187.86	33.10
			For 24" Radius, Add	12.02	
			For 36" Radius, Add	18.79	
			For 48" Radius, Add	25.55	
26 05 33 13-1049	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	230.69	39.73
			For 24" Radius, Add	14.82	
			For 36" Radius, Add	23.07	
			For 48" Radius, Add	31.32	

26 05 33 13-1050 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-0984)

26 05 33 13-1051	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	30.82	4.12
26 05 33 13-1052	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	34.64	4.71
26 05 33 13-1053	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	36.34	5.29
26 05 33 13-1054	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	38.02	5.88
26 05 33 13-1055	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	42.15	7.36
26 05 33 13-1056	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	50.37	8.83
26 05 33 13-1057	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	63.49	11.77
26 05 33 13-1058	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	77.65	14.72
26 05 33 13-1059	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	93.80	19.13
26 05 33 13-1060	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	109.94	23.54
26 05 33 13-1061	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	137.43	29.43
26 05 33 13-1062	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	171.75	36.78

26 05 33 13-1063 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-0984)

26 05 33 13-1064	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	21.88	4.12
26 05 33 13-1065	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	24.63	4.71
26 05 33 13-1066	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	26.24	5.29
26 05 33 13-1067	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	27.86	5.88
26 05 33 13-1068	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	31.66	7.36
26 05 33 13-1069	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	35.42	8.83
26 05 33 13-1070	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	45.45	11.77
26 05 33 13-1071	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	56.01	14.72
26 05 33 13-1072	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	69.45	19.13
26 05 33 13-1073	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	82.89	23.54
26 05 33 13-1074	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	103.64	29.43
26 05 33 13-1075	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	129.51	36.78

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
26 05 33 13-1076					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-0984)</small>		
26 05 33 13-1077	EA				1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	24.69	3.39
26 05 33 13-1078	EA				3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	27.77	4.71
26 05 33 13-1079	EA				1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	29.41	5.29
26 05 33 13-1080	EA				1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	30.99	5.88
26 05 33 13-1081	EA				1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	35.03	7.36
26 05 33 13-1082	EA				2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	41.88	8.83
26 05 33 13-1083	EA				2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	53.19	11.77
26 05 33 13-1084	EA				3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	65.29	14.72
26 05 33 13-1085	EA				3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	79.89	19.13
26 05 33 13-1086	EA				4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	94.49	23.54
26 05 33 13-1087	EA				5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	118.10	29.43
26 05 33 13-1088	EA				6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	147.63	36.78
26 05 33 13-1089					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-0984)</small>		
26 05 33 13-1090	EA				1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	52.64	14.72
26 05 33 13-1091	EA				3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	61.73	17.65
26 05 33 13-1092	EA				1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	69.29	20.60
26 05 33 13-1093	EA				1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	76.76	23.54
26 05 33 13-1094	EA				1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	84.52	26.48
26 05 33 13-1095	EA				2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	95.37	29.43
26 05 33 13-1096	EA				2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	110.77	33.84
26 05 33 13-1097	EA				3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	127.02	38.25
26 05 33 13-1098	EA				3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	145.67	44.14
26 05 33 13-1099	EA				4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	167.98	51.50
26 05 33 13-1100	EA				5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	196.19	58.85
26 05 33 13-1101	EA				6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	226.83	66.21
26 05 33 13-1102					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-0984)</small>		
26 05 33 13-1103	EA				1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	59.08	14.72
26 05 33 13-1104	EA				3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	68.96	17.65
26 05 33 13-1105	EA				1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	76.55	20.60
26 05 33 13-1106	EA				1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	84.09	23.54
26 05 33 13-1107	EA				1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	91.92	26.48
26 05 33 13-1108	EA				2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	103.82	29.43
26 05 33 13-1109	EA				2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	120.91	33.84
26 05 33 13-1110	EA				3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	139.19	38.25
26 05 33 13-1111	EA				3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	159.36	44.14
26 05 33 13-1112	EA				4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	183.20	51.50
26 05 33 13-1113	EA				5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	215.26	58.85
26 05 33 13-1114	EA				6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	250.67	66.21
26 05 33 13-1115					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-0984)</small>		
26 05 33 13-1116	EA				1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	63.33	4.12
26 05 33 13-1117	EA				3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	70.68	4.71
26 05 33 13-1118	EA				1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	73.96	5.29
26 05 33 13-1119	EA				1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	77.33	5.88
26 05 33 13-1120	EA				1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	81.98	7.36
26 05 33 13-1121	EA				2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	91.71	8.83
26 05 33 13-1122	EA				2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	113.01	11.77
26 05 33 13-1123	EA				3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	137.01	14.72
26 05 33 13-1124	EA				3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	160.59	19.13
26 05 33 13-1125	EA				4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	184.15	23.54
26 05 33 13-1126	EA				5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	230.25	29.43
26 05 33 13-1127	EA				6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	286.58	36.78
26 05 33 13-1128					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-0984)</small>		
26 05 33 13-1129	EA				1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	70.28	14.72
26 05 33 13-1130	EA				3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	81.37	17.65
26 05 33 13-1131	EA				1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	97.49	20.60
26 05 33 13-1132	EA				1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	120.86	23.54
26 05 33 13-1133	EA				1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	151.22	26.48
26 05 33 13-1134	EA				2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	199.56	29.43
26 05 33 13-1135	EA				2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	282.86	33.84
26 05 33 13-1136	EA				3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	341.46	38.25
26 05 33 13-1137	EA				3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	412.68	44.14
26 05 33 13-1138	EA				4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	487.58	51.50
26 05 33 13-1139	EA				5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	573.38	58.85
26 05 33 13-1140	EA				6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	889.14	66.21
26 05 33 13-1141					Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-0984)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1142	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	59.09	11.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-1143	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	68.47	13.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-1144	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	90.70	14.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 05 33 13-1145	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	110.75	17.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.24	
26 05 33 13-1146	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	140.81	22.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.55	
26 05 33 13-1147	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	193.09	26.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.86	
26 05 33 13-1148	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	315.15	30.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.18	
26 05 33 13-1149	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	405.49	35.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.49	
26 05 33 13-1150	EA		3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	487.60	41.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.90	
26 05 33 13-1151	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	569.72	47.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.31	
26 05 33 13-1152	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	671.67	52.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.73	
26 05 33 13-1153	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	761.72	58.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.14	
26 05 33 13-1154			Explosion Proof Conduit Fittings (26 05 33 13-0058)		
			Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1155			Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1154)		
26 05 33 13-1156	EA		1/2" Explosion Proof Malleable Iron Conduit Union.....	34.24	6.29
26 05 33 13-1157	EA		3/4" Explosion Proof Malleable Iron Conduit Union.....	42.87	6.95
26 05 33 13-1158	EA		1" Explosion Proof Malleable Iron Conduit Union.....	69.46	9.26
26 05 33 13-1159	EA		1-1/4" Explosion Proof Malleable Iron Conduit Union.....	93.57	10.26
26 05 33 13-1160	EA		1-1/2" Explosion Proof Malleable Iron Conduit Union.....	118.02	12.57
26 05 33 13-1161	EA		2" Explosion Proof Malleable Iron Conduit Union.....	147.93	14.55
26 05 33 13-1162	EA		2-1/2" Explosion Proof Malleable Iron Conduit Union.....	226.18	20.79
26 05 33 13-1163	EA		3" Explosion Proof Malleable Iron Conduit Union.....	288.85	24.75
26 05 33 13-1164	EA		3-1/2" Explosion Proof Malleable Iron Conduit Union.....	494.74	29.70
26 05 33 13-1165	EA		4" Explosion Proof Malleable Iron Conduit Union.....	519.47	37.95
26 05 33 13-1166			Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1154)		
26 05 33 13-1167	EA		1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	123.24	19.85
26 05 33 13-1168	EA		3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	138.81	22.50
26 05 33 13-1169	EA		1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	163.84	24.81
26 05 33 13-1170	EA		1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	137.05	24.81
26 05 33 13-1171	EA		3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	163.09	29.77
26 05 33 13-1172	EA		1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	193.98	34.07
26 05 33 13-1173			Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1154)		
			Note: Includes sealing gasket and lock nut.		
26 05 33 13-1174	EA		1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	101.83	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-1175	EA		3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	102.69	18.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.89	
26 05 33 13-1176	EA		1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	112.13	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13	
26 05 33 13-1177	EA		1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	145.07	24.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.61	
26 05 33 13-1178	EA		1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	187.35	29.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.83	
26 05 33 13-1179	EA		2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	244.45	33.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.81	
26 05 33 13-1180	EA		2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	345.86	49.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 05 33 13-1181	EA		3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	437.58	62.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.53	
26 05 33 13-1182	EA		3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	634.37	68.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23	
26 05 33 13-1183	EA		4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	830.33	74.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1184			Explosion Proof Flexible Conduit Couplings (26 05 33 13-1154)		
26 05 33 13-1185	EA		1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	304.00	7.61
26 05 33 13-1186	EA		3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	398.90	8.60
26 05 33 13-1187			Conduit Installed Below Grade (26 05 33 13-0057)		
			Note: By direct burial in trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1188			Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1187)		
26 05 33 13-1189			Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-1188)		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1190	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.02	
			For Schedule 60, Add	0.28	
			For Schedule 80, Add	0.46	
26 05 33 13-1191	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.42	
			For Schedule 60, Add	0.34	
			For Schedule 80, Add	0.55	
26 05 33 13-1192	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.01	
			For Schedule 60, Add	0.45	
			For Schedule 80, Add	0.71	
26 05 33 13-1193	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.62	
			For Schedule 60, Add	0.57	
			For Schedule 80, Add	0.88	
26 05 33 13-1194	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.13	
			For Schedule 60, Add	0.66	
			For Schedule 80, Add	1.01	
26 05 33 13-1195	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.95	
			For Schedule 60, Add	0.83	
			For Schedule 80, Add	1.26	
26 05 33 13-1196	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.71	
			For Schedule 60, Add	1.23	
			For Schedule 80, Add	1.82	
26 05 33 13-1197	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.69	
			For Schedule 60, Add	1.44	
			For Schedule 80, Add	2.12	
26 05 33 13-1198	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	10.26	
			For Schedule 60, Add	1.79	
			For Schedule 80, Add	2.63	
26 05 33 13-1199	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	11.09	
			For Schedule 60, Add	1.96	
			For Schedule 80, Add	2.87	
26 05 33 13-1200	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	14.50	
			For Schedule 60, Add	2.78	
			For Schedule 80, Add	4.02	
26 05 33 13-1201	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	17.97	
			For Schedule 60, Add	3.61	
			For Schedule 80, Add	5.19	
26 05 33 13-1202			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial (26 05 33 13-1188)		
			See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33 13-1203	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	19.44	
			For Schedule 60, Add	1.18	
			For Schedule 80, Add	2.21	
26 05 33 13-1204	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	23.33	
			For Schedule 60, Add	1.42	
			For Schedule 80, Add	2.65	
26 05 33 13-1205	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	27.72	
			For Schedule 60, Add	1.78	
			For Schedule 80, Add	3.26	
26 05 33 13-1206	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	32.28	
			For Schedule 60, Add	2.18	
			For Schedule 80, Add	3.94	
26 05 33 13-1207	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	36.97	
			For Schedule 60, Add	2.62	
			For Schedule 80, Add	4.66	
26 05 33 13-1208	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	42.12	
			For Schedule 60, Add	3.17	
			For Schedule 80, Add	5.55	
26 05 33 13-1209	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	49.92	
			For Schedule 60, Add	4.39	
			For Schedule 80, Add	7.36	
26 05 33 13-1210	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	59.62	
			For Schedule 60, Add	6.08	
			For Schedule 80, Add	9.83	
26 05 33 13-1211	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	73.04	
			For Schedule 60, Add	7.96	
			For Schedule 80, Add	12.69	
26 05 33 13-1212	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	86.56	
			For Schedule 60, Add	9.87	
			For Schedule 80, Add	15.58	
26 05 33 13-1213	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	115.01	
			For Schedule 60, Add	15.51	
			For Schedule 80, Add	23.70	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1214	EA	6"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	135.79	
			<i>For Schedule 60, Add</i>	19.23	
			<i>For Schedule 80, Add</i>	29.13	

26 05 33 13-1215 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial (26 05 33 13-1188)

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-1216	EA	1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	19.44	
			<i>For Schedule 60, Add</i>	1.18	
			<i>For Schedule 80, Add</i>	2.21	
26 05 33 13-1217	EA	3/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	23.25	
			<i>For Schedule 60, Add</i>	1.40	
			<i>For Schedule 80, Add</i>	2.62	
26 05 33 13-1218	EA	1"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	27.62	
			<i>For Schedule 60, Add</i>	1.76	
			<i>For Schedule 80, Add</i>	3.23	
26 05 33 13-1219	EA	1-1/4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	31.97	
			<i>For Schedule 60, Add</i>	2.11	
			<i>For Schedule 80, Add</i>	3.83	
26 05 33 13-1220	EA	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	36.28	
			<i>For Schedule 60, Add</i>	2.45	
			<i>For Schedule 80, Add</i>	4.42	
26 05 33 13-1221	EA	2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.75	
			<i>For Schedule 60, Add</i>	3.08	
			<i>For Schedule 80, Add</i>	5.42	
26 05 33 13-1222	EA	2-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	49.23	
			<i>For Schedule 60, Add</i>	4.22	
			<i>For Schedule 80, Add</i>	7.12	
26 05 33 13-1223	EA	3"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	58.75	
			<i>For Schedule 60, Add</i>	5.86	
			<i>For Schedule 80, Add</i>	9.53	
26 05 33 13-1224	EA	3-1/2"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	70.58	
			<i>For Schedule 60, Add</i>	7.35	
			<i>For Schedule 80, Add</i>	11.83	
26 05 33 13-1225	EA	4"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	84.45	
			<i>For Schedule 60, Add</i>	9.34	
			<i>For Schedule 80, Add</i>	14.85	
26 05 33 13-1226	EA	5"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	112.28	
			<i>For Schedule 60, Add</i>	14.83	
			<i>For Schedule 80, Add</i>	22.75	
26 05 33 13-1227	EA	6"	Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	127.65	
			<i>For Schedule 60, Add</i>	17.20	
			<i>For Schedule 80, Add</i>	26.29	

26 05 33 13-1228 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-1188)

26 05 33 13-1229	EA	1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	10.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09	
26 05 33 13-1230	EA	3/4"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	12.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.53	
26 05 33 13-1231	EA	1"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	14.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 05 33 13-1232	EA	1-1/4"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 33 13-1233	EA	1-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-1234	EA	2"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	19.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.30	
26 05 33 13-1235	EA	2-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96	
26 05 33 13-1236	EA	3"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-1237	EA	3-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	31.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	
26 05 33 13-1238	EA	4"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	35.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.83	
26 05 33 13-1239	EA	5"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	46.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-1240	EA	6"	Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	52.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	

26 05 33 13-1241 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-1188)

26 05 33 13-1242	EA	1/2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	12.80	
26 05 33 13-1243	EA	3/4"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	14.55	
26 05 33 13-1244	EA	1"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	16.32	
26 05 33 13-1245	EA	1-1/4"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	20.97	
26 05 33 13-1246	EA	1-1/2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	23.21	
26 05 33 13-1247	EA	2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	26.14	
26 05 33 13-1248	EA	2-1/2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	29.23	
26 05 33 13-1249	EA	3"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	33.06	
26 05 33 13-1250	EA	3-1/2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	39.20	
26 05 33 13-1251	EA	4"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.16	
26 05 33 13-1252	EA	5"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	54.81	
26 05 33 13-1253	EA	6"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	61.67	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1254	Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1254)</small>		
26 05 33 13-1255	EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	10.70	
26 05 33 13-1256	EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	12.43	
26 05 33 13-1257	EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	14.04	
26 05 33 13-1258	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	15.77	
26 05 33 13-1259	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	17.38	
26 05 33 13-1260	EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	19.35	
26 05 33 13-1261	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	22.96	
26 05 33 13-1262	EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	26.28	
26 05 33 13-1263	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	31.09	
26 05 33 13-1264	EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	35.02	
26 05 33 13-1265	EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	44.42	
26 05 33 13-1266	EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	50.45	
26 05 33 13-1267	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1267)</small>		
	Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1268	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1268)</small>		
	Note: Includes field bending for conduit up to 1".		
26 05 33 13-1269	LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	9.76	1.59
	For >250 To 500, Deduct	-0.38	
	For >500 To 1,000, Deduct	-0.63	
	For >1,000, Deduct	-0.87	
26 05 33 13-1270	LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	11.02	1.96
	For >250 To 500, Deduct	-0.44	
	For >500 To 1,000, Deduct	-0.71	
	For >1,000, Deduct	-0.99	
26 05 33 13-1271	LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	13.68	2.19
	For >250 To 500, Deduct	-0.55	
	For >500 To 1,000, Deduct	-0.89	
	For >1,000, Deduct	-1.24	
26 05 33 13-1272	LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	16.69	2.94
	For >250 To 500, Deduct	-0.68	
	For >500 To 1,000, Deduct	-1.10	
	For >1,000, Deduct	-1.52	
26 05 33 13-1273	LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	19.75	3.31
	For >250 To 500, Deduct	-0.82	
	For >500 To 1,000, Deduct	-1.31	
	For >1,000, Deduct	-1.81	
26 05 33 13-1274	LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	25.18	3.61
	For >250 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.68	
	For >1,000, Deduct	-2.31	
26 05 33 13-1275	LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	36.91	5.42
	For >250 To 500, Deduct	-1.56	
	For >500 To 1,000, Deduct	-2.49	
	For >1,000, Deduct	-3.41	
26 05 33 13-1276	LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	47.38	6.78
	For >250 To 500, Deduct	-1.99	
	For >500 To 1,000, Deduct	-3.18	
	For >1,000, Deduct	-4.36	
26 05 33 13-1277	LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	58.36	7.16
	For >250 To 500, Deduct	-2.45	
	For >500 To 1,000, Deduct	-3.91	
	For >1,000, Deduct	-5.37	
26 05 33 13-1278	LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	69.19	7.91
	For >250 To 500, Deduct	-2.89	
	For >500 To 1,000, Deduct	-4.62	
	For >1,000, Deduct	-6.35	
26 05 33 13-1279	LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	111.20	10.92
	For >250 To 500, Deduct	-4.84	
	For >500 To 1,000, Deduct	-7.62	
	For >1,000, Deduct	-10.40	
26 05 33 13-1280	LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	149.32	14.31
	For >250 To 500, Deduct	-6.56	
	For >500 To 1,000, Deduct	-10.30	
	For >1,000, Deduct	-14.03	
26 05 33 13-1281	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1281)</small>		
26 05 33 13-1282	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.44	2.26
26 05 33 13-1283	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.23	3.01
26 05 33 13-1284	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.58	3.76
26 05 33 13-1285	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.68	4.15
26 05 33 13-1286	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.96	4.90
26 05 33 13-1287	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	27.65	5.65
26 05 33 13-1288	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	54.01	6.78
26 05 33 13-1289	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	67.97	9.42
26 05 33 13-1290	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	84.88	10.92
26 05 33 13-1291	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	103.84	15.07
26 05 33 13-1292	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	281.60	20.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1293	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	291.65	11.67
26 05 33 13-1294			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small> Note: 90, 45, or 30 degree.		
26 05 33 13-1295	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	39.59	9.42
26 05 33 13-1296	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	44.90	11.67
26 05 33 13-1297	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	53.33	14.31
26 05 33 13-1298	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	63.50	16.57
26 05 33 13-1299	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	74.98	18.83
26 05 33 13-1300	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	93.51	20.71
26 05 33 13-1301	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	150.09	25.99
26 05 33 13-1302	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	227.60	35.39
26 05 33 13-1303	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	285.59	39.92
26 05 33 13-1304	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	321.44	51.96
26 05 33 13-1305	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	693.61	84.73
26 05 33 13-1306	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,097.09	127.28
26 05 33 13-1307			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1308	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	102.26	14.31
26 05 33 13-1309	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	114.58	16.57
26 05 33 13-1310	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	130.90	18.83
26 05 33 13-1311	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	158.04	20.71
26 05 33 13-1312	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	223.13	25.99
26 05 33 13-1313			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1314	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	115.49	14.31
26 05 33 13-1315	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	136.44	16.57
26 05 33 13-1316	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	146.58	18.83
26 05 33 13-1317	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	192.22	20.71
26 05 33 13-1318	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	256.09	25.99
26 05 33 13-1319	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	325.35	35.39
26 05 33 13-1320			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1321	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	131.31	14.31
26 05 33 13-1322	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	147.83	16.57
26 05 33 13-1323	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	166.69	18.83
26 05 33 13-1324	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	203.56	20.71
26 05 33 13-1325	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	293.96	25.99
26 05 33 13-1326	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	369.82	35.39
26 05 33 13-1327	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	471.82	39.92
26 05 33 13-1328	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	524.32	51.96
26 05 33 13-1329			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1330	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	158.63	14.31

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1331	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	174.55	16.57
26 05 33 13-1332	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	197.04	18.83
26 05 33 13-1333	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	247.25	20.71
26 05 33 13-1334	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	361.75	25.99
26 05 33 13-1335	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	445.16	35.39
26 05 33 13-1336	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	517.82	39.92
26 05 33 13-1337	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	608.77	51.96
26 05 33 13-1338 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>				
26 05 33 13-1339	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	179.90	14.31
26 05 33 13-1340	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	199.44	16.57
26 05 33 13-1341	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	226.91	18.83
26 05 33 13-1342	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	285.29	20.71
26 05 33 13-1343	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	398.74	25.99
26 05 33 13-1344	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	505.42	35.39
26 05 33 13-1345	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	629.66	39.92
26 05 33 13-1346	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	686.29	51.96
26 05 33 13-1347	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,146.17	84.73
26 05 33 13-1348 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>				
26 05 33 13-1349	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	207.70	14.31
26 05 33 13-1350	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	229.49	16.57
26 05 33 13-1351	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.65	18.83
26 05 33 13-1352	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	327.48	20.71
26 05 33 13-1353	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	460.37	25.99
26 05 33 13-1354	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	582.20	35.39
26 05 33 13-1355	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	685.70	39.92
26 05 33 13-1356	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	786.37	51.96
26 05 33 13-1357	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,216.31	84.73
26 05 33 13-1358	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,651.29	127.28
26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>				
26 05 33 13-1360	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	246.41	14.31
26 05 33 13-1361	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	256.29	16.57
26 05 33 13-1362	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	303.47	18.83
26 05 33 13-1363	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	386.21	20.71
26 05 33 13-1364	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	543.47	25.99
26 05 33 13-1365	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	685.70	35.39
26 05 33 13-1366	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	841.51	39.92
26 05 33 13-1367	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	981.05	51.96
26 05 33 13-1368	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,445.08	84.73
26 05 33 13-1369	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,756.30	127.28

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-1370		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1371	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	255.74	14.31
26 05 33 13-1372	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	301.62	16.57
26 05 33 13-1373	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	341.36	18.83
26 05 33 13-1374	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	403.88	20.71
26 05 33 13-1375	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	564.23	25.99
26 05 33 13-1376	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	717.53	35.39
26 05 33 13-1377	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	926.37	39.92
26 05 33 13-1378	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,025.21	51.96
26 05 33 13-1379	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,506.54	84.73
26 05 33 13-1380	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,809.66	127.28
26 05 33 13-1381		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1382	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	80.70	9.42
26 05 33 13-1383	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	86.34	11.67
26 05 33 13-1384	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	113.07	14.31
26 05 33 13-1385	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	169.04	16.57
26 05 33 13-1386	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	201.59	18.83
26 05 33 13-1387	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	259.89	20.71
26 05 33 13-1388	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	347.73	25.99
26 05 33 13-1389	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	459.72	25.99
26 05 33 13-1390	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	585.63	39.92
26 05 33 13-1391	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	753.38	51.96
26 05 33 13-1392	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,383.36	84.73
26 05 33 13-1393	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,700.31	127.28
26 05 33 13-1394		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1395	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	82.78	9.42
26 05 33 13-1396	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	94.30	11.67
26 05 33 13-1397	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	117.31	14.31
26 05 33 13-1398	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	176.83	16.57
26 05 33 13-1399	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	212.40	18.83
26 05 33 13-1400	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	283.23	20.71
26 05 33 13-1401	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	397.68	25.99
26 05 33 13-1402	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	510.51	25.99
26 05 33 13-1403	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	677.46	39.92
26 05 33 13-1404	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	844.88	51.96
26 05 33 13-1405	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,551.08	84.73
26 05 33 13-1406	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,971.12	127.28
26 05 33 13-1407		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1408	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.58	4.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.71</i>	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1409	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.17	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1410	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.17	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1411	EA		1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.77	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1412	EA		1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.80	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1413	EA		1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.59	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1414	EA		3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.57	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1415	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.60	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1416	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.34	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1417	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.56	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1418	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.02	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1419	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.76	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1420	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.74	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1421	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.91	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1422	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.67	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1423	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.89	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1424	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.88	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1425	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.03	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1426	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.01	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1427	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.35	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1428	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.06	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1429	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.43	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1430	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.56	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1431	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.56	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33 13-1432	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	96.51	17.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-1433	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.20	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1434	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.33	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1435	EA		1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.69	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1436	EA		1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.45	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1437	EA		1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.96	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1438	EA		2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.25	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1439	EA		2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	77.94	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33 13-1440	EA		3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	101.62	17.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-1441	EA		3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	122.51	19.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33 13-1442	EA		4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	140.34	25.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33 13-1443	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.51	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1444	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.66	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1445	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.05	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1446	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	46.10	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1447	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.63	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1448	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.71	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1449	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	87.38	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33 13-1450	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	109.27	17.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-1451	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	124.14	19.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33 13-1452	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	144.70	25.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33 13-1453	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	215.80	35.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47	
26 05 33 13-1454	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.11	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1455	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.26	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1456	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.69	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1457	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.30	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1458	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.07	9.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1459	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.17	10.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.33	
26 05 33 13-1460	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	96.97	12.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.68	
26 05 33 13-1461	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	119.43	17.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-1462	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	133.30	19.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.97	
26 05 33 13-1463	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	160.14	25.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 05 33 13-1464	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	238.89	35.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.47	
26 05 33 13-1465	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.05	4.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-1466	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.17	5.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1467	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.13	7.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1468	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.61	8.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1469	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	53.99	9.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-1470	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	65.32	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-1471	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	108.76	12.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-1472	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	133.33	17.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	
26 05 33 13-1473	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	156.21	19.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.97	
26 05 33 13-1474	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	183.32	25.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.59	
26 05 33 13-1475	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	254.71	35.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		21.47	
26 05 33 13-1476	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	35.03	4.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.94	
26 05 33 13-1477	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	37.13	5.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.39	
26 05 33 13-1478	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	42.55	7.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-1479	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	51.93	8.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.97	
26 05 33 13-1480	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	60.95	9.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-1481	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	75.81	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-1482	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	121.23	12.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-1483	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	151.14	17.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	
26 05 33 13-1484	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	180.28	19.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.97	
26 05 33 13-1485	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	223.88	25.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.59	
26 05 33 13-1486	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	286.28	35.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		21.47	
26 05 33 13-1487	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	36.04	4.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.94	
26 05 33 13-1488	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	38.26	5.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.39	
26 05 33 13-1489	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	46.14	7.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.29	
26 05 33 13-1490	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	59.02	8.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.97	
26 05 33 13-1491	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	69.36	9.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.65	
26 05 33 13-1492	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	84.25	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.33	
26 05 33 13-1493	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	137.86	12.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		7.68	
26 05 33 13-1494	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	177.85	17.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.62	
26 05 33 13-1495	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	195.05	19.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.97	
26 05 33 13-1496	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	236.32	25.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.59	
26 05 33 13-1497	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	.....	290.78	35.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		21.47	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1498		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1187)</small> Note: Direct burial or encased application.		
26 05 33 13-1499		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1498)</small>		
26 05 33 13-1500	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	5.08 0.72	0.95
26 05 33 13-1501	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	5.60 0.77	1.03
26 05 33 13-1502	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	5.95 0.83	1.10
26 05 33 13-1503	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	6.32 0.89	1.17
26 05 33 13-1504	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	6.77 0.94	1.25
26 05 33 13-1505	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	7.05 0.99	1.32
26 05 33 13-1506	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	7.98 1.05	1.39
26 05 33 13-1507	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	9.05 1.10	1.47
26 05 33 13-1508	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	9.90 1.16	1.54
26 05 33 13-1509	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	10.76 1.22	1.61
26 05 33 13-1510	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	12.62 1.27	1.69
26 05 33 13-1511	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	14.90 1.32	1.76
26 05 33 13-1512		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1498)</small>		
26 05 33 13-1513	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	67.95 5.52 4.64 6.80 8.95	7.36
26 05 33 13-1514	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.56 6.62 5.27 7.76 10.25	8.83
26 05 33 13-1515	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	81.80 7.73 5.49 8.18 10.87	10.30
26 05 33 13-1516	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	86.03 8.83 5.72 8.60 11.49	11.77
26 05 33 13-1517	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	90.26 9.93 5.94 9.03 12.11	13.24
26 05 33 13-1518	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	101.82 11.03 6.72 10.18 13.65	14.72
26 05 33 13-1519	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	118.31 12.14 7.86 11.83 15.80	16.19
26 05 33 13-1520	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	137.56 13.24 9.21 13.76 18.30	17.65
26 05 33 13-1521	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	156.60 15.45 10.46 15.66 20.86	20.60

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1522	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	175.63	26.48
			<i>For Work In Restricted Working Space, Add</i>	17.66	
			<i>For 24" Radius, Add</i>	11.70	
			<i>For 36" Radius, Add</i>	17.56	
			<i>For 48" Radius, Add</i>	23.43	
26 05 33 13-1523	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	212.18	26.48
			<i>For Work In Restricted Working Space, Add</i>	19.86	
			<i>For 24" Radius, Add</i>	14.26	
			<i>For 36" Radius, Add</i>	21.22	
			<i>For 48" Radius, Add</i>	28.18	
26 05 33 13-1524	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	256.04	29.43
			<i>For Work In Restricted Working Space, Add</i>	22.07	
			<i>For 24" Radius, Add</i>	17.36	
			<i>For 36" Radius, Add</i>	25.60	
			<i>For 48" Radius, Add</i>	33.84	
26 05 33 13-1525 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1526	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	30.82	4.12
			<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 33 13-1527	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	34.64	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.53	
26 05 33 13-1528	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	36.34	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.97	
26 05 33 13-1529	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	38.02	5.88
			<i>For Work In Restricted Working Space, Add</i>	4.42	
26 05 33 13-1530	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	39.95	6.48
			<i>For Work In Restricted Working Space, Add</i>	4.86	
26 05 33 13-1531	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	45.95	7.07
			<i>For Work In Restricted Working Space, Add</i>	5.30	
26 05 33 13-1532	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	53.92	7.95
			<i>For Work In Restricted Working Space, Add</i>	5.96	
26 05 33 13-1533	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	62.94	8.83
			<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33 13-1534	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	71.73	10.30
			<i>For Work In Restricted Working Space, Add</i>	7.73	
26 05 33 13-1535	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	80.52	11.77
			<i>For Work In Restricted Working Space, Add</i>	8.83	
26 05 33 13-1536	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	96.96	13.24
			<i>For Work In Restricted Working Space, Add</i>	9.93	
26 05 33 13-1537	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	116.58	14.72
			<i>For Work In Restricted Working Space, Add</i>	11.03	
26 05 33 13-1538 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1539	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	21.88	4.12
			<i>For Work In Restricted Working Space, Add</i>	3.09	
26 05 33 13-1540	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.63	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.53	
26 05 33 13-1541	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	26.24	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.97	
26 05 33 13-1542	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.86	5.88
			<i>For Work In Restricted Working Space, Add</i>	4.42	
26 05 33 13-1543	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	29.46	6.48
			<i>For Work In Restricted Working Space, Add</i>	4.86	
26 05 33 13-1544	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	31.00	7.07
			<i>For Work In Restricted Working Space, Add</i>	5.30	
26 05 33 13-1545	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	35.88	7.95
			<i>For Work In Restricted Working Space, Add</i>	5.96	
26 05 33 13-1546	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.30	8.83
			<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33 13-1547	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	47.38	10.30
			<i>For Work In Restricted Working Space, Add</i>	7.73	
26 05 33 13-1548	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	53.47	11.77
			<i>For Work In Restricted Working Space, Add</i>	8.83	
26 05 33 13-1549	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	63.17	13.24
			<i>For Work In Restricted Working Space, Add</i>	9.93	
26 05 33 13-1550	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	74.34	14.72
			<i>For Work In Restricted Working Space, Add</i>	11.03	
26 05 33 13-1551 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1552	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	20.27	2.36
			<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-1553	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.62	2.65
			<i>For Work In Restricted Working Space, Add</i>	1.99	
26 05 33 13-1554	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	23.53	2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1555	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	24.36 2.43	3.24
26 05 33 13-1556	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	25.47 2.65	3.53
26 05 33 13-1557	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	30.11 3.09	4.12
26 05 33 13-1558	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	36.27 3.75	5.00
26 05 33 13-1559	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	43.23 4.42	5.88
26 05 33 13-1560	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	50.46 5.52	7.36
26 05 33 13-1561	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.71 6.62	8.83
26 05 33 13-1562	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	70.28 7.73	10.30
26 05 33 13-1563	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	85.11 8.83	11.77
26 05 33 13-1564 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1498)</small>					
26 05 33 13-1565	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	52.64 11.03	14.72
26 05 33 13-1566	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	61.73 13.24	17.65
26 05 33 13-1567	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	69.29 15.45	20.60
26 05 33 13-1568	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.76 17.66	23.54
26 05 33 13-1569	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	80.84 18.76	25.01
26 05 33 13-1570	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	88.01 19.86	26.48
26 05 33 13-1571	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.05 20.97	27.96
26 05 33 13-1572	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	104.96 22.07	29.43
26 05 33 13-1573	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	112.57 23.18	30.90
26 05 33 13-1574	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	120.17 24.28	32.37
26 05 33 13-1575	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	133.66 25.38	33.84
26 05 33 13-1576	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	149.60 26.49	35.32
26 05 33 13-1577 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1498)</small>					
26 05 33 13-1578	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	59.08 11.03	14.72
26 05 33 13-1579	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	68.96 13.24	17.65
26 05 33 13-1580	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.55 15.45	20.60
26 05 33 13-1581	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	84.09 17.66	23.54
26 05 33 13-1582	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	88.24 18.76	25.01
26 05 33 13-1583	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.46 19.86	26.48
26 05 33 13-1584	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	106.19 20.97	27.96
26 05 33 13-1585	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	117.13 22.07	29.43
26 05 33 13-1586	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	126.26 23.18	30.90
26 05 33 13-1587	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	135.39 24.28	32.37
26 05 33 13-1588	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	152.73 25.38	33.84
26 05 33 13-1589	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	173.44 26.49	35.32
26 05 33 13-1590 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1498)</small>					
26 05 33 13-1591	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	63.33 3.09	4.12
26 05 33 13-1592	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	70.68 3.53	4.71
26 05 33 13-1593	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	73.96 3.97	5.29
26 05 33 13-1594	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	77.33 4.42	5.88
26 05 33 13-1595	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	79.78 4.86	6.48

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26 05 33 13-1596	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	87.29	7.07
		<i>For Work In Restricted Working Space, Add</i>	5.30	
26 05 33 13-1597	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	103.44	7.95
		<i>For Work In Restricted Working Space, Add</i>	5.96	
26 05 33 13-1598	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	122.30	8.83
		<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33 13-1599	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	138.52	10.30
		<i>For Work In Restricted Working Space, Add</i>	7.73	
26 05 33 13-1600	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	154.73	11.77
		<i>For Work In Restricted Working Space, Add</i>	8.83	
26 05 33 13-1601	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	189.78	13.24
		<i>For Work In Restricted Working Space, Add</i>	9.93	
26 05 33 13-1602	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	231.41	14.72
		<i>For Work In Restricted Working Space, Add</i>	11.03	

26 05 33 13-1603 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1498)

26 05 33 13-1604	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	70.28	14.72
		<i>For Work In Restricted Working Space, Add</i>	11.03	
26 05 33 13-1605	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	81.37	17.65
		<i>For Work In Restricted Working Space, Add</i>	13.24	
26 05 33 13-1606	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	97.49	20.60
		<i>For Work In Restricted Working Space, Add</i>	15.45	
26 05 33 13-1607	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	120.86	23.54
		<i>For Work In Restricted Working Space, Add</i>	17.66	
26 05 33 13-1608	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	147.54	25.01
		<i>For Work In Restricted Working Space, Add</i>	18.76	
26 05 33 13-1609	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	192.20	26.48
		<i>For Work In Restricted Working Space, Add</i>	19.86	
26 05 33 13-1610	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	268.14	27.96
		<i>For Work In Restricted Working Space, Add</i>	20.97	
26 05 33 13-1611	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	319.40	29.43
		<i>For Work In Restricted Working Space, Add</i>	22.07	
26 05 33 13-1612	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	379.58	30.90
		<i>For Work In Restricted Working Space, Add</i>	23.18	
26 05 33 13-1613	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	439.77	32.37
		<i>For Work In Restricted Working Space, Add</i>	24.28	
26 05 33 13-1614	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	510.85	33.84
		<i>For Work In Restricted Working Space, Add</i>	25.38	
26 05 33 13-1615	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	811.91	35.32
		<i>For Work In Restricted Working Space, Add</i>	26.49	

26 05 33 13-1616 Spacers (26 05 33 13-1187)

Note: For concrete encasement applications. See CSI section 03 31 13 00-0032 for concrete., 26 05 33 13-1187 for conduit.

26 05 33 13-1617	EA	1" Base Spacers, Average 4" Wide, Direct Burial	7.98	
26 05 33 13-1618	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.55	
26 05 33 13-1619	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	9.47	
26 05 33 13-1620	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	10.16	
26 05 33 13-1621	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.57	
26 05 33 13-1622	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.23	
26 05 33 13-1623	EA	2" Base Spacer, Average 4" Wide, Direct Burial	11.82	
26 05 33 13-1624	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.97	
26 05 33 13-1625	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	13.05	
26 05 33 13-1626	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.63	
26 05 33 13-1627	EA	3" Base Spacer, Average 4" Wide, Direct Burial	14.90	
26 05 33 13-1628	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	14.26	
26 05 33 13-1629	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.15	
26 05 33 13-1630	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.45	
26 05 33 13-1631	EA	4" Base Spacer, Average 4" Wide, Direct Burial	16.66	
26 05 33 13-1632	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.90	
26 05 33 13-1633	EA	5" Base Spacer, Average 4" Wide, Direct Burial	18.42	
26 05 33 13-1634	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	17.52	
26 05 33 13-1635	EA	6" Base Spacer, Average 4" Wide, Direct Burial	20.95	
26 05 33 13-1636	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	20.18	

26 05 33 13-1637 Conduit Field Bending (26 05 33 13-0057)**26 05 33 13-1638 Metallic Conduit Field Bending** (26 05 33 13-1637)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-1639	EA	1-1/4" Metallic Conduit Field Bending	12.82	
26 05 33 13-1640	EA	1-1/2" Metallic Conduit Field Bending	17.09	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 33 13-1641	EA	2" Metallic Conduit Field Bending	21.36	
26 05 33 13-1642	EA	2-1/2" Metallic Conduit Field Bending	29.91	
26 05 33 13-1643	EA	3" Metallic Conduit Field Bending	38.45	
26 05 33 13-1644	EA	3-1/2" Metallic Conduit Field Bending	47.00	
26 05 33 13-1645	EA	4" Metallic Conduit Field Bending	55.54	
26 05 33 13-1646	EA	5" Metallic Conduit Field Bending	68.36	
26 05 33 13-1647	EA	6" Metallic Conduit Field Bending	81.18	

26 05 33 13-1648 Plastic Conduit Field Bending (26 05 33 13-1637)
 Note: For PVC conduits.

26 05 33 13-1649	EA	1" Plastic Conduit Field Bending	19.66	
26 05 33 13-1650	EA	1-1/4" Plastic Conduit Field Bending	21.36	
26 05 33 13-1651	EA	1-1/2" Plastic Conduit Field Bending	25.64	
26 05 33 13-1652	EA	2" Plastic Conduit Field Bending	34.18	
26 05 33 13-1653	EA	2-1/2" Plastic Conduit Field Bending	42.73	
26 05 33 13-1654	EA	3" Plastic Conduit Field Bending	51.27	
26 05 33 13-1655	EA	3-1/2" Plastic Conduit Field Bending	59.82	
26 05 33 13-1656	EA	4" Plastic Conduit Field Bending	68.36	
26 05 33 13-1657	EA	5" Plastic Conduit Field Bending	76.91	
26 05 33 13-1658	EA	6" Plastic Conduit Field Bending	85.45	

26 05 33 13-1659 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0057)
 Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-1660	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	24.81	
		<i>For Work In Restricted Working Space, Add</i>	7.44	
26 05 33 13-1661	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	27.29	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
26 05 33 13-1662	EA	1", Cut And Thread Existing In-Place Threaded Conduit	29.77	
		<i>For Work In Restricted Working Space, Add</i>	8.93	
26 05 33 13-1663	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	32.25	
		<i>For Work In Restricted Working Space, Add</i>	9.68	
26 05 33 13-1664	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	33.91	
		<i>For Work In Restricted Working Space, Add</i>	10.17	
26 05 33 13-1665	EA	2", Cut And Thread Existing In-Place Threaded Conduit	35.56	
		<i>For Work In Restricted Working Space, Add</i>	10.67	
26 05 33 13-1666	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	37.22	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
26 05 33 13-1667	EA	3", Cut And Thread Existing In-Place Threaded Conduit	38.87	
		<i>For Work In Restricted Working Space, Add</i>	11.66	
26 05 33 13-1668	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	39.69	
		<i>For Work In Restricted Working Space, Add</i>	11.91	
26 05 33 13-1669	EA	4", Cut And Thread Existing In-Place Threaded Conduit	40.53	
		<i>For Work In Restricted Working Space, Add</i>	12.16	
26 05 33 13-1670	EA	5", Cut And Thread Existing In-Place Threaded Conduit	42.18	
		<i>For Work In Restricted Working Space, Add</i>	12.65	
26 05 33 13-1671	EA	6", Cut And Thread Existing In-Place Threaded Conduit	43.83	
		<i>For Work In Restricted Working Space, Add</i>	13.15	

26 05 33 13-1672 Flexible Conduit (26 05 33 13-0057)

26 05 33 13-1673 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-1672)
 Note: Steel inner core with PVC cover.

26 05 33 13-1674 Flexible Liquid Tight Metallic Conduit (26 05 33 13-1673)

26 05 33 13-1675	LF	3/8" Flexible Liquid Tight Metallic Conduit	3.27	0.90
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.34	
		<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1676	LF	1/2" Flexible Liquid Tight Metallic Conduit	3.42	0.90
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.34	
		<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1677	LF	3/4" Flexible Liquid Tight Metallic Conduit	4.58	1.20
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
		<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1678	LF	1" Flexible Liquid Tight Metallic Conduit	5.38	1.20
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
		<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1679	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	6.99	1.51
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
		<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1680	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	9.06	1.81
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
26 05 33 13-1681	LF	2" Flexible Liquid Tight Metallic Conduit	11.90	2.41
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
		<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1682	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	16.48	2.71
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.02	
		<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 33 13-1683	LF	3" Flexible Liquid Tight Metallic Conduit	24.60	3.31
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
26 05 33 13-1684	LF	4" Flexible Liquid Tight Metallic Conduit	33.83	4.22
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.58	
		<i>For Work In Restricted Working Space, Add</i>	3.16	

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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-1685		Straight Liquid Tight Connector (26 05 33 13-1673)			
26 05 33 13-1686	EA	3/8" Straight Liquid Tight Connector	8.90		2.41
		For Work In Restricted Working Space, Add	1.81		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81		
26 05 33 13-1687	EA	1/2" Straight Liquid Tight Connector	8.90		2.41
		For Work In Restricted Working Space, Add	1.81		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81		
26 05 33 13-1688	EA	3/4" Straight Liquid Tight Connector	10.90		2.71
		For Work In Restricted Working Space, Add	2.03		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.03		
26 05 33 13-1689	EA	1" Straight Liquid Tight Connector	14.89		3.01
		For Work In Restricted Working Space, Add	2.26		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26		
26 05 33 13-1690	EA	1-1/4" Straight Liquid Tight Connector	19.41		3.31
		For Work In Restricted Working Space, Add	2.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48		
26 05 33 13-1691	EA	1-1/2" Straight Liquid Tight Connector	24.90		3.61
		For Work In Restricted Working Space, Add	2.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71		
26 05 33 13-1692	EA	2" Straight Liquid Tight Connector	34.72		4.22
		For Work In Restricted Working Space, Add	3.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16		
26 05 33 13-1693	EA	2-1/2" Straight Liquid Tight Connector	123.35		5.42
		For Work In Restricted Working Space, Add	4.07		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07		
26 05 33 13-1694	EA	3" Straight Liquid Tight Connector	159.70		5.72
		For Work In Restricted Working Space, Add	4.29		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29		
26 05 33 13-1695	EA	4" Straight Liquid Tight Connector	194.73		8.43
		For Work In Restricted Working Space, Add	6.33		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.33		
26 05 33 13-1696		90 Degree Angle Liquid Tight Connector (26 05 33 13-1673)			
26 05 33 13-1697	EA	3/8" 90 Degree Angle Liquid Tight Connector	13.09		3.31
		For Work In Restricted Working Space, Add	2.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48		
26 05 33 13-1698	EA	1/2" 90 Degree Angle Liquid Tight Connector	13.71		3.31
		For Work In Restricted Working Space, Add	2.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48		
26 05 33 13-1699	EA	3/4" 90 Degree Angle Liquid Tight Connector	15.56		3.61
		For Work In Restricted Working Space, Add	2.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71		
26 05 33 13-1700	EA	1" 90 Degree Angle Liquid Tight Connector	22.41		4.22
		For Work In Restricted Working Space, Add	3.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16		
26 05 33 13-1701	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	28.65		4.52
		For Work In Restricted Working Space, Add	3.39		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39		
26 05 33 13-1702	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	35.11		4.82
		For Work In Restricted Working Space, Add	3.62		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62		
26 05 33 13-1703	EA	2" 90 Degree Angle Liquid Tight Connector	46.94		5.42
		For Work In Restricted Working Space, Add	4.07		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07		
26 05 33 13-1704	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	173.29		5.72
		For Work In Restricted Working Space, Add	4.29		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29		
26 05 33 13-1705	EA	3" 90 Degree Angle Liquid Tight Connector	204.84		6.62
		For Work In Restricted Working Space, Add	4.97		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97		
26 05 33 13-1706	EA	4" 90 Degree Angle Liquid Tight Connector	282.64		10.54
		For Work In Restricted Working Space, Add	7.91		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.91		
26 05 33 13-1707		45 Degree Angle Connector (26 05 33 13-1673)			
26 05 33 13-1708	EA	3/8" 45 Degree Angle Liquid Tight Connector	12.88		3.31
		For Work In Restricted Working Space, Add	2.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48		
26 05 33 13-1709	EA	1/2" 45 Degree Angle Liquid Tight Connector	13.03		3.31
		For Work In Restricted Working Space, Add	2.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48		
26 05 33 13-1710	EA	3/4" 45 Degree Angle Liquid Tight Connector	15.56		3.61
		For Work In Restricted Working Space, Add	2.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71		
26 05 33 13-1711	EA	1" 45 Degree Angle Liquid Tight Connector	24.10		4.22
		For Work In Restricted Working Space, Add	3.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16		
26 05 33 13-1712	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	27.55		4.52
		For Work In Restricted Working Space, Add	3.39		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39		
26 05 33 13-1713	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	31.01		4.82
		For Work In Restricted Working Space, Add	3.62		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62		
26 05 33 13-1714		Flexible Metallic Conduit And Connectors (26 05 33 13-1672)			

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI		UNIT COST	UNIT COST

26 05 33 13-1715 Flexible Steel Conduit <small>(26 05 33 13-1714)</small>				
26 05 33 13-1716	LF	3/8" Flexible Metallic Conduit.....	3.12	0.99
		For Flexible Aluminum Conduit, Add	0.12	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.36	
		For Installation In Metal Stud Wall, Add	0.24	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.61	
		For Work In Restricted Working Space, Add	0.73	
26 05 33 13-1717	LF	1/2" Flexible Metallic Conduit.....	3.25	0.99
		For Flexible Aluminum Conduit, Add	0.13	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.37	
		For Installation In Metal Stud Wall, Add	0.25	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.62	
		For Work In Restricted Working Space, Add	0.74	
26 05 33 13-1718	LF	3/4" Flexible Metallic Conduit.....	3.73	1.32
		For Flexible Aluminum Conduit, Add	0.17	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
		For Installation In Metal Stud Wall, Add	0.27	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.67	
		For Work In Restricted Working Space, Add	0.80	
26 05 33 13-1719	LF	1" Flexible Metallic Conduit.....	4.84	1.32
		For Flexible Aluminum Conduit, Add	0.32	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.43	
		For Installation In Metal Stud Wall, Add	0.29	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.72	
		For Work In Restricted Working Space, Add	0.87	
26 05 33 13-1720	LF	1-1/4" Flexible Metallic Conduit	5.59	1.65
		For Flexible Aluminum Conduit, Add	0.42	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.46	
		For Installation In Metal Stud Wall, Add	0.31	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.76	
		For Work In Restricted Working Space, Add	0.92	
26 05 33 13-1721	LF	1-1/2" Flexible Metallic Conduit	7.64	1.98
		For Flexible Aluminum Conduit, Add	0.74	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.48	
		For Installation In Metal Stud Wall, Add	0.32	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.80	
		For Work In Restricted Working Space, Add	0.95	
26 05 33 13-1722	LF	2" Flexible Metallic Conduit.....	8.77	2.64
		For Flexible Aluminum Conduit, Add	0.90	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
		For Installation In Metal Stud Wall, Add	0.33	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.83	
		For Work In Restricted Working Space, Add	0.99	
26 05 33 13-1723	LF	2-1/2" Flexible Steel Conduit	10.74	2.97
		For Flexible Aluminum Conduit, Add	1.09	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
		For Installation In Metal Stud Wall, Add	0.41	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
		For Work In Restricted Working Space, Add	1.24	
26 05 33 13-1724	LF	3" Flexible Metallic Conduit.....	16.45	3.63
		For Flexible Aluminum Conduit, Add	1.90	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.74	
		For Installation In Metal Stud Wall, Add	0.50	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.24	
		For Work In Restricted Working Space, Add	1.49	
26 05 33 13-1725	LF	3-1/2" Flexible Metallic Conduit	20.28	3.96
		For Flexible Aluminum Conduit, Add	2.39	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.87	
		For Installation In Metal Stud Wall, Add	0.58	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.45	
		For Work In Restricted Working Space, Add	1.73	
26 05 33 13-1726	LF	4" Flexible Metallic Conduit.....	23.33	4.63
		For Flexible Aluminum Conduit, Add	2.76	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.99	
		For Installation In Metal Stud Wall, Add	0.66	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.65	
		For Work In Restricted Working Space, Add	1.98	
26 05 33 13-1727 Plain Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>				
26 05 33 13-1728	EA	3/8" Flexible Straight Connectors, Plain.....	5.48	2.64
		For Work In Restricted Working Space, Add	1.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.11	
26 05 33 13-1729	EA	1/2" Flexible Straight Connectors, Plain.....	6.92	2.97
		For Work In Restricted Working Space, Add	1.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.24	
26 05 33 13-1730	EA	3/4" Flexible Straight Connectors, Plain.....	7.90	3.63
		For Work In Restricted Working Space, Add	1.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-1731	EA	1" Flexible Straight Connectors, Plain.....	13.08	3.96
		For Work In Restricted Working Space, Add	1.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.98	
26 05 33 13-1732	EA	1-1/4" Flexible Straight Connectors, Plain	18.86	4.63
		For Work In Restricted Working Space, Add	2.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1733	EA	1-1/2" Flexible Straight Connectors, Plain	25.04	5.61
		For Work In Restricted Working Space, Add	3.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.09	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1734	EA 2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.33 3.71 3.71	5.61
26 05 33 13-1735	EA 2-1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.59 4.33 4.33	6.93
26 05 33 13-1736	EA 3" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.54 4.95 4.95	7.59
26 05 33 13-1737	EA 3-1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.17 5.57 5.57	8.91
26 05 33 13-1738	EA 4" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.72 6.19 6.19	10.90
26 05 33 13-1739 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>			
26 05 33 13-1740	EA 1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.89 1.24 1.24	2.97
26 05 33 13-1741	EA 3/4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.17 1.49 1.49	3.63
26 05 33 13-1742	EA 1" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80 1.98 1.98	3.96
26 05 33 13-1743	EA 1-1/4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.02 2.48 2.48	4.63
26 05 33 13-1744	EA 1-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.67 3.09 3.09	4.95
26 05 33 13-1745	EA 2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.27 3.71 3.71	5.61
26 05 33 13-1746	EA 2-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.86 4.33 4.33	6.93
26 05 33 13-1747	EA 3" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.62 4.95 4.95	7.59
26 05 33 13-1748	EA 3-1/2" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.82 5.57 5.57	8.91
26 05 33 13-1749	EA 4" Flexible Straight Connectors, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	357.84 6.19 6.19	10.90
26 05 33 13-1750 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>			
26 05 33 13-1751	EA 3/8" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78 1.49 1.49	3.30
26 05 33 13-1752	EA 1/2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.51 1.73 1.73	3.63
26 05 33 13-1753	EA 3/4" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01 1.98 1.98	3.96
26 05 33 13-1754	EA 1" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.94 2.48 2.48	4.63
26 05 33 13-1755	EA 1-1/4" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.10 2.97 2.97	4.95
26 05 33 13-1756	EA 1-1/2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.18 3.71 3.71	5.78
26 05 33 13-1757	EA 2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.01 4.21 4.21	7.09
26 05 33 13-1758	EA 2-1/2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.55 4.95 4.95	7.59
26 05 33 13-1759	EA 3" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.73 5.57 5.57	8.91
26 05 33 13-1760	EA 3-1/2" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	393.98 6.19 6.19	10.90
26 05 33 13-1761	EA 4" Flexible 90 Degree Connector, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	707.94 7.43 7.43	12.38
26 05 33 13-1762 Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1763 EA 1/2" Flexible 90 Degree Connector, Insulated	11.85	3.63
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-1764 EA 3/4" Flexible 90 Degree Connector, Insulated	15.66	3.96
For Work In Restricted Working Space, Add	1.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.98	
26 05 33 13-1765 EA 1" Flexible 90 Degree Connector, Insulated	19.94	4.63
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1766 EA 1-1/4" Flexible 90 Degree Connector, Insulated	37.97	4.95
For Work In Restricted Working Space, Add	2.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.97	
26 05 33 13-1767 EA 1-1/2" Flexible 90 Degree Connector, Insulated	61.83	5.78
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-1768 EA 2" Flexible 90 Degree Connector, Insulated	79.33	7.09
For Work In Restricted Working Space, Add	4.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-1769 EA 2-1/2" Flexible 90 Degree Connector, Insulated	195.72	7.59
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-1770 EA 3" Flexible 90 Degree Connector, Insulated	241.41	8.91
For Work In Restricted Working Space, Add	5.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-1771 EA 3-1/2" Flexible 90 Degree Connector, Insulated	659.94	10.90
For Work In Restricted Working Space, Add	6.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-1772 EA 4" Flexible 90 Degree Connector, Insulated	986.49	12.38
For Work In Restricted Working Space, Add	7.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 05 33 13-1773 Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1774 EA 3/8" Flexible 45 Degree Connector, Plain	8.86	3.30
For Work In Restricted Working Space, Add	1.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-1775 EA 1/2" Flexible 45 Degree Connector, Plain	12.24	3.63
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-1776 EA 3/4" Flexible 45 Degree Connector, Plain	15.94	3.96
For Work In Restricted Working Space, Add	1.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.98	
26 05 33 13-1777 Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1778 EA 3/8" Flexible 45 Degree Connector, Insulated	9.60	3.96
For Work In Restricted Working Space, Add	1.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-1779 EA 1/2" Flexible 45 Degree Connector, Insulated	13.47	3.63
For Work In Restricted Working Space, Add	1.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-1780 EA 3/4" Flexible 45 Degree Connector, Insulated	17.67	3.96
For Work In Restricted Working Space, Add	1.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.98	
26 05 33 13-1781 Plain Screw-In Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1782 EA 3/8" Flexible Steel Screw-in Connector, Plain	4.36	2.64
For Work In Restricted Working Space, Add	1.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.11	
26 05 33 13-1783 EA 1/2" Flexible Steel Screw-in Connector, Plain	4.66	2.97
For Work In Restricted Working Space, Add	1.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.24	
26 05 33 13-1784 EA 3/4" Flexible Steel Screw-in Connector, Plain	6.05	3.63
For Work In Restricted Working Space, Add	1.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-1785 EA 1" Flexible Steel Screw-in Connector, Plain	8.81	3.96
For Work In Restricted Working Space, Add	1.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.98	
26 05 33 13-1786 EA 1-1/4" Flexible Steel Screw-in Connector, Plain	13.42	4.63
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1787 EA 1-1/2" Flexible Steel Screw-in Connector, Plain	16.33	4.95
For Work In Restricted Working Space, Add	3.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.09	
26 05 33 13-1788 EA 2" Flexible Steel Screw-in Connector, Plain	24.89	5.61
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-1789 Insulated Screw-In Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1790 EA 3/8" Flexible Steel Screw-in Connector, Insulated	4.68	2.64
For Work In Restricted Working Space, Add	1.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.11	
26 05 33 13-1791 EA 1/2" Flexible Steel Screw-in Connector, Insulated	4.92	2.97
For Work In Restricted Working Space, Add	1.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1792	EA	3/4" Flexible Steel Screw-in Connector, Insulated	6.71		3.63
		<i>For Work In Restricted Working Space, Add</i>	1.49		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49		
26 05 33 13-1793	EA	1" Flexible Steel Screw-in Connector, Insulated	9.81		3.96
		<i>For Work In Restricted Working Space, Add</i>	1.98		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98		
26 05 33 13-1794	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	14.85		4.63
		<i>For Work In Restricted Working Space, Add</i>	2.48		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48		
26 05 33 13-1795	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	18.04		4.95
		<i>For Work In Restricted Working Space, Add</i>	3.09		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09		
26 05 33 13-1796	EA	2" Flexible Steel Screw-in Connector, Insulated	26.39		5.61
		<i>For Work In Restricted Working Space, Add</i>	3.71		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71		
26 05 33 13-1797		Screw-In Coupling <small>(26 05 33 13-1714)</small>			
26 05 33 13-1798	EA	1/2" Flexible Steel Screw-in Coupling	5.29		2.97
		<i>For Work In Restricted Working Space, Add</i>	1.24		
26 05 33 13-1799	EA	3/4" Flexible Steel Screw-in Coupling	7.08		3.63
		<i>For Work In Restricted Working Space, Add</i>	1.49		
26 05 33 13-1800		Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-1714)</small>			
26 05 33 13-1801	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	7.69		2.64
		<i>For Work In Restricted Working Space, Add</i>	1.11		
26 05 33 13-1802	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.75		2.97
		<i>For Work In Restricted Working Space, Add</i>	1.24		
26 05 33 13-1803	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.38		3.63
		<i>For Work In Restricted Working Space, Add</i>	1.49		
26 05 33 13-1804		Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>			
26 05 33 13-1805	EA	3/8" Flexible Straight Connector, Die Cast	4.56		2.64
		<i>For Work In Restricted Working Space, Add</i>	1.11		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11		
26 05 33 13-1806	EA	1/2" Flexible Straight Connector, Die Cast	5.18		2.97
		<i>For Work In Restricted Working Space, Add</i>	1.24		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.24		
26 05 33 13-1807	EA	3/4" Flexible Straight Connector, Die Cast	6.49		3.63
		<i>For Work In Restricted Working Space, Add</i>	1.49		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49		
26 05 33 13-1808	EA	1" Flexible Straight Connector, Die Cast	10.04		3.96
		<i>For Work In Restricted Working Space, Add</i>	1.98		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98		
26 05 33 13-1809	EA	1-1/4" Flexible Straight Connector, Die Cast	13.73		4.63
		<i>For Work In Restricted Working Space, Add</i>	2.48		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48		
26 05 33 13-1810	EA	1-1/2" Flexible Straight Connector, Die Cast	18.90		4.95
		<i>For Work In Restricted Working Space, Add</i>	3.09		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.09		
26 05 33 13-1811	EA	2" Flexible Straight Connector, Die Cast	24.75		5.61
		<i>For Work In Restricted Working Space, Add</i>	3.71		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71		
26 05 33 13-1812		Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>			
26 05 33 13-1813	EA	3/8" Flexible 90 Degree Connector, Die Cast	6.03		3.30
		<i>For Work In Restricted Working Space, Add</i>	1.49		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49		
26 05 33 13-1814	EA	1/2" Flexible 90 Degree Connector, Die Cast	7.60		3.63
		<i>For Work In Restricted Working Space, Add</i>	1.73		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73		
26 05 33 13-1815	EA	3/4" Flexible 90 Degree Connector, Die Cast	9.35		3.96
		<i>For Work In Restricted Working Space, Add</i>	1.98		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98		
26 05 33 13-1816	EA	1" Flexible 90 Degree Connector, Die Cast	15.51		4.63
		<i>For Work In Restricted Working Space, Add</i>	2.48		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48		
26 05 33 13-1817	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	22.57		4.95
		<i>For Work In Restricted Working Space, Add</i>	2.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97		
26 05 33 13-1818	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	36.03		5.78
		<i>For Work In Restricted Working Space, Add</i>	3.71		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71		
26 05 33 13-1819	EA	2" Flexible 90 Degree Connector, Die Cast	43.32		7.09
		<i>For Work In Restricted Working Space, Add</i>	4.21		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21		
26 05 33 13-1820		Flexible Liquid Tight Non-Metallic Conduit And Connectors <small>(26 05 33 13-1672)</small>			
26 05 33 13-1821		Flexible Liquid Tight Non-Metallic Conduit <small>(26 05 33 13-1820)</small>			
26 05 33 13-1822	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	2.93		0.90
		<i>For Work In Restricted Working Space, Add</i>	0.68		
26 05 33 13-1823	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	2.98		0.90
		<i>For Work In Restricted Working Space, Add</i>	0.68		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1824 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.01 0.90	1.20
26 05 33 13-1825 LF 1" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	5.03 0.90	1.20
26 05 33 13-1826 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	6.39 1.13	1.51
26 05 33 13-1827 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	8.18 1.36	1.81
26 05 33 13-1828 LF 2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	10.48 1.81	2.41
26 05 33 13-1829 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-1820)		
26 05 33 13-1830 EA 3/8" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.48 1.81 1.81	2.41
26 05 33 13-1831 EA 1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.48 1.81 1.81	2.41
26 05 33 13-1832 EA 3/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.42 2.03 2.03	2.71
26 05 33 13-1833 EA 1" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.00 2.26 2.26	3.01
26 05 33 13-1834 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.10 2.48 2.48	3.31
26 05 33 13-1835 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70 2.71 2.71	3.61
26 05 33 13-1836 EA 2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.61 3.16 3.16	4.22
26 05 33 13-1837 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1838 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.28 2.48 2.48	3.31
26 05 33 13-1839 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.28 2.48 2.48	3.31
26 05 33 13-1840 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.19 2.71 2.71	3.61
26 05 33 13-1841 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.66 3.16 3.16	4.22
26 05 33 13-1842 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35 3.39 3.39	4.52
26 05 33 13-1843 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.77 3.62 3.62	4.82
26 05 33 13-1844 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.26 4.07 4.07	5.42
26 05 33 13-1845 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1846 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.28 2.48 2.48	3.31
26 05 33 13-1847 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.28 2.48 2.48	3.31
26 05 33 13-1848 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.19 2.71 2.71	3.61
26 05 33 13-1849 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.66 3.16 3.16	4.22
26 05 33 13-1850 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.35 3.39 3.39	4.52
26 05 33 13-1851 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.77 3.62 3.62	4.82
26 05 33 13-1852 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.26 4.07 4.07	5.42
26 05 33 13-1853 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1672) Note: Carlon - FLEX-PLUS.		
26 05 33 13-1854 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1853)		

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1855	LF	1/2" Blue ENT Electrical Non-Metallic Tubing.....		3.47	0.99
		<i>For Work In Restricted Working Space, Add</i>		0.74	
26 05 33 13-1856	LF	3/4" Blue ENT Electrical Non-Metallic Tubing.....		4.68	1.32
		<i>For Work In Restricted Working Space, Add</i>		0.99	
26 05 33 13-1857	LF	1" Blue ENT Electrical Non-Metallic Tubing.....		5.53	1.32
		<i>For Work In Restricted Working Space, Add</i>		0.99	
26 05 33 13-1858		Terminal Adapter <small>(26 05 33 13-1853)</small>			
26 05 33 13-1859	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....		8.23	2.64
		<i>For Work In Restricted Working Space, Add</i>		1.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1.98	
26 05 33 13-1860	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....		10.40	2.97
		<i>For Work In Restricted Working Space, Add</i>		2.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.23	
26 05 33 13-1861	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....		12.08	3.30
		<i>For Work In Restricted Working Space, Add</i>		2.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		2.48	
26 05 33 13-1862		Coupling <small>(26 05 33 13-1853)</small>			
26 05 33 13-1863	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....		8.02	2.64
		<i>For Work In Restricted Working Space, Add</i>		1.98	
26 05 33 13-1864	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....		9.26	2.97
		<i>For Work In Restricted Working Space, Add</i>		2.23	
26 05 33 13-1865	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....		11.01	3.30
		<i>For Work In Restricted Working Space, Add</i>		2.48	
26 05 33 13-1866		Conduit Bodies <small>(26 05 33 13-0057)</small>			
26 05 33 13-1867		Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-1866)</small>			
26 05 33 13-1868		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-1867)</small>			
26 05 33 13-1869	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		42.78	14.46
		<i>For Mogul LB, Add</i>		3.16	
		<i>For Work In Restricted Working Space, Add</i>		10.85	
		<i>For Elevated Installation >10' To 15', Add</i>		3.62	
		<i>For Elevated Installation >15' To 20', Add</i>		7.23	
		<i>For Elevated Installation >20' To 25', Add</i>		9.04	
		<i>For Elevated Installation >25' To 30', Add</i>		12.66	
		<i>For Elevated Installation >30' To 35', Add</i>		14.46	
		<i>For Elevated Installation >35' To 40', Add</i>		18.08	
		<i>For Elevated Installation >40', Add</i>		19.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.85	
26 05 33 13-1870	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		50.41	16.57
		<i>For Mogul LB, Add</i>		4.67	
		<i>For Work In Restricted Working Space, Add</i>		12.43	
		<i>For Elevated Installation >10' To 15', Add</i>		4.14	
		<i>For Elevated Installation >15' To 20', Add</i>		8.28	
		<i>For Elevated Installation >20' To 25', Add</i>		10.36	
		<i>For Elevated Installation >25' To 30', Add</i>		14.50	
		<i>For Elevated Installation >30' To 35', Add</i>		16.57	
		<i>For Elevated Installation >35' To 40', Add</i>		20.71	
		<i>For Elevated Installation >40', Add</i>		22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.43	
26 05 33 13-1871	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		61.00	19.28
		<i>For Mogul LB, Add</i>		7.19	
		<i>For Work In Restricted Working Space, Add</i>		14.46	
		<i>For Elevated Installation >10' To 15', Add</i>		4.82	
		<i>For Elevated Installation >15' To 20', Add</i>		9.64	
		<i>For Elevated Installation >20' To 25', Add</i>		12.05	
		<i>For Elevated Installation >25' To 30', Add</i>		16.87	
		<i>For Elevated Installation >30' To 35', Add</i>		19.28	
		<i>For Elevated Installation >35' To 40', Add</i>		24.10	
		<i>For Elevated Installation >40', Add</i>		26.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		14.46	
26 05 33 13-1872	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		74.09	21.99
		<i>For Mogul LB, Add</i>		11.58	
		<i>For Work In Restricted Working Space, Add</i>		16.49	
		<i>For Elevated Installation >10' To 15', Add</i>		5.50	
		<i>For Elevated Installation >15' To 20', Add</i>		11.00	
		<i>For Elevated Installation >20' To 25', Add</i>		13.75	
		<i>For Elevated Installation >25' To 30', Add</i>		19.24	
		<i>For Elevated Installation >30' To 35', Add</i>		21.99	
		<i>For Elevated Installation >35' To 40', Add</i>		27.49	
		<i>For Elevated Installation >40', Add</i>		30.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.49	
26 05 33 13-1873	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover		84.91	24.10
		<i>For Mogul LB, Add</i>		15.48	
		<i>For Work In Restricted Working Space, Add</i>		18.08	
		<i>For Elevated Installation >10' To 15', Add</i>		6.03	
		<i>For Elevated Installation >15' To 20', Add</i>		12.05	
		<i>For Elevated Installation >20' To 25', Add</i>		15.06	
		<i>For Elevated Installation >25' To 30', Add</i>		21.09	
		<i>For Elevated Installation >30' To 35', Add</i>		24.10	
		<i>For Elevated Installation >35' To 40', Add</i>		30.13	
		<i>For Elevated Installation >40', Add</i>		33.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.08	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1874	EA			2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.12	28.92
				For Mogul LB, Add	26.25	
				For Work In Restricted Working Space, Add	21.69	
				For Elevated Installation >10' To 15', Add	7.23	
				For Elevated Installation >15' To 20', Add	14.46	
				For Elevated Installation >20' To 25', Add	18.08	
				For Elevated Installation >25' To 30', Add	25.31	
				For Elevated Installation >30' To 35', Add	28.92	
				For Elevated Installation >35' To 40', Add	36.15	
				For Elevated Installation >40', Add	39.77	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.69	
26 05 33 13-1875	EA			2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	189.81	40.67
				For Mogul LB, Add	61.02	
				For Work In Restricted Working Space, Add	30.50	
				For Elevated Installation >10' To 15', Add	10.17	
				For Elevated Installation >15' To 20', Add	20.33	
				For Elevated Installation >20' To 25', Add	25.42	
				For Elevated Installation >25' To 30', Add	35.58	
				For Elevated Installation >30' To 35', Add	40.67	
				For Elevated Installation >35' To 40', Add	50.84	
				For Elevated Installation >40', Add	55.92	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.50	
26 05 33 13-1876	EA			3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	249.37	54.22
				For Mogul LB, Add	78.57	
				For Work In Restricted Working Space, Add	40.67	
				For Elevated Installation >10' To 15', Add	13.56	
				For Elevated Installation >15' To 20', Add	27.11	
				For Elevated Installation >20' To 25', Add	33.89	
				For Elevated Installation >25' To 30', Add	47.45	
				For Elevated Installation >30' To 35', Add	54.23	
				For Elevated Installation >35' To 40', Add	67.79	
				For Elevated Installation >40', Add	74.56	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.67	
26 05 33 13-1877	EA			3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	332.21	67.78
				For Mogul LB, Add	113.60	
				For Work In Restricted Working Space, Add	50.84	
				For Elevated Installation >10' To 15', Add	16.95	
				For Elevated Installation >15' To 20', Add	33.89	
				For Elevated Installation >20' To 25', Add	42.36	
				For Elevated Installation >25' To 30', Add	59.31	
				For Elevated Installation >30' To 35', Add	67.78	
				For Elevated Installation >35' To 40', Add	84.73	
				For Elevated Installation >40', Add	93.20	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.84	
26 05 33 13-1878	EA			4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	432.53	82.55
				For Mogul LB, Add	159.31	
				For Work In Restricted Working Space, Add	61.91	
				For Elevated Installation >10' To 15', Add	20.64	
				For Elevated Installation >15' To 20', Add	41.27	
				For Elevated Installation >20' To 25', Add	51.59	
				For Elevated Installation >25' To 30', Add	72.23	
				For Elevated Installation >30' To 35', Add	82.54	
				For Elevated Installation >35' To 40', Add	103.18	
				For Elevated Installation >40', Add	113.50	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.91	

26 05 33 13-1879 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-1867)

26 05 33 13-1880	EA			1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.59	14.46
				For Mogul LB, Add	3.76	
				For Work In Restricted Working Space, Add	10.85	
				For Elevated Installation >10' To 15', Add	3.62	
				For Elevated Installation >15' To 20', Add	7.23	
				For Elevated Installation >20' To 25', Add	9.04	
				For Elevated Installation >25' To 30', Add	12.66	
				For Elevated Installation >30' To 35', Add	14.46	
				For Elevated Installation >35' To 40', Add	18.08	
				For Elevated Installation >40', Add	19.89	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.85	
26 05 33 13-1881	EA			3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	51.20	16.57
				For Mogul LB, Add	5.26	
				For Work In Restricted Working Space, Add	12.43	
				For Elevated Installation >10' To 15', Add	4.14	
				For Elevated Installation >15' To 20', Add	8.28	
				For Elevated Installation >20' To 25', Add	10.36	
				For Elevated Installation >25' To 30', Add	14.50	
				For Elevated Installation >30' To 35', Add	16.57	
				For Elevated Installation >35' To 40', Add	20.71	
				For Elevated Installation >40', Add	22.78	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1882	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.58	19.28
		For Mogul LB, Add	8.38	
		For Work In Restricted Working Space, Add	14.46	
		For Elevated Installation >10' To 15', Add	4.82	
		For Elevated Installation >15' To 20', Add	9.64	
		For Elevated Installation >20' To 25', Add	12.05	
		For Elevated Installation >25' To 30', Add	16.87	
		For Elevated Installation >30' To 35', Add	19.28	
		For Elevated Installation >35' To 40', Add	24.10	
		For Elevated Installation >40', Add	26.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.46	
26 05 33 13-1883	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.02	21.99
		For Mogul LB, Add	13.03	
		For Work In Restricted Working Space, Add	16.49	
		For Elevated Installation >10' To 15', Add	5.50	
		For Elevated Installation >15' To 20', Add	11.00	
		For Elevated Installation >20' To 25', Add	13.75	
		For Elevated Installation >25' To 30', Add	19.24	
		For Elevated Installation >30' To 35', Add	21.99	
		For Elevated Installation >35' To 40', Add	27.49	
		For Elevated Installation >40', Add	30.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.49	
26 05 33 13-1884	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	88.19	24.10
		For Mogul LB, Add	17.94	
		For Work In Restricted Working Space, Add	18.08	
		For Elevated Installation >10' To 15', Add	6.03	
		For Elevated Installation >15' To 20', Add	12.05	
		For Elevated Installation >20' To 25', Add	15.06	
		For Elevated Installation >25' To 30', Add	21.09	
		For Elevated Installation >30' To 35', Add	24.10	
		For Elevated Installation >35' To 40', Add	30.13	
		For Elevated Installation >40', Add	33.14	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.08	
26 05 33 13-1885	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	119.17	28.92
		For Mogul LB, Add	31.54	
		For Work In Restricted Working Space, Add	21.69	
		For Elevated Installation >10' To 15', Add	7.23	
		For Elevated Installation >15' To 20', Add	14.46	
		For Elevated Installation >20' To 25', Add	18.08	
		For Elevated Installation >25' To 30', Add	25.31	
		For Elevated Installation >30' To 35', Add	28.92	
		For Elevated Installation >35' To 40', Add	36.15	
		For Elevated Installation >40', Add	39.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.69	
26 05 33 13-1886	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	186.26	40.67
		For Mogul LB, Add	58.36	
		For Work In Restricted Working Space, Add	30.50	
		For Elevated Installation >10' To 15', Add	10.17	
		For Elevated Installation >15' To 20', Add	20.33	
		For Elevated Installation >20' To 25', Add	25.42	
		For Elevated Installation >25' To 30', Add	35.58	
		For Elevated Installation >30' To 35', Add	40.67	
		For Elevated Installation >35' To 40', Add	50.84	
		For Elevated Installation >40', Add	55.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.50	
26 05 33 13-1887	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	237.43	54.22
		For Mogul LB, Add	69.62	
		For Work In Restricted Working Space, Add	40.67	
		For Elevated Installation >10' To 15', Add	13.56	
		For Elevated Installation >15' To 20', Add	27.11	
		For Elevated Installation >20' To 25', Add	33.89	
		For Elevated Installation >25' To 30', Add	47.45	
		For Elevated Installation >30' To 35', Add	54.23	
		For Elevated Installation >35' To 40', Add	67.79	
		For Elevated Installation >40', Add	74.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.67	
26 05 33 13-1888	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	342.39	67.78
		For Mogul LB, Add	121.23	
		For Work In Restricted Working Space, Add	50.84	
		For Elevated Installation >10' To 15', Add	16.95	
		For Elevated Installation >15' To 20', Add	33.89	
		For Elevated Installation >20' To 25', Add	42.36	
		For Elevated Installation >25' To 30', Add	59.31	
		For Elevated Installation >30' To 35', Add	67.78	
		For Elevated Installation >35' To 40', Add	84.73	
		For Elevated Installation >40', Add	93.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.84	
26 05 33 13-1889	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	453.34	82.55
		For Mogul LB, Add	174.92	
		For Work In Restricted Working Space, Add	61.91	
		For Elevated Installation >10' To 15', Add	20.64	
		For Elevated Installation >15' To 20', Add	41.27	
		For Elevated Installation >20' To 25', Add	51.59	
		For Elevated Installation >25' To 30', Add	72.23	
		For Elevated Installation >30' To 35', Add	82.54	
		For Elevated Installation >35' To 40', Add	103.18	
		For Elevated Installation >40', Add	113.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.91	

26 05 33 13-1890 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-1887)

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1891	EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		50.20	16.57
	<i>For Work In Restricted Working Space, Add</i>		12.43	
	<i>For Elevated Installation >10' To 15', Add</i>		4.14	
	<i>For Elevated Installation >15' To 20', Add</i>		8.28	
	<i>For Elevated Installation >20' To 25', Add</i>		10.36	
	<i>For Elevated Installation >25' To 30', Add</i>		14.50	
	<i>For Elevated Installation >30' To 35', Add</i>		16.57	
	<i>For Elevated Installation >35' To 40', Add</i>		20.71	
	<i>For Elevated Installation >40', Add</i>		22.78	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.43	
26 05 33 13-1892	EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		59.50	19.28
	<i>For Work In Restricted Working Space, Add</i>		14.46	
	<i>For Elevated Installation >10' To 15', Add</i>		4.82	
	<i>For Elevated Installation >15' To 20', Add</i>		9.64	
	<i>For Elevated Installation >20' To 25', Add</i>		12.05	
	<i>For Elevated Installation >25' To 30', Add</i>		16.87	
	<i>For Elevated Installation >30' To 35', Add</i>		19.28	
	<i>For Elevated Installation >35' To 40', Add</i>		24.10	
	<i>For Elevated Installation >40', Add</i>		26.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		14.46	
26 05 33 13-1893	EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		68.71	21.09
	<i>For Work In Restricted Working Space, Add</i>		15.82	
	<i>For Elevated Installation >10' To 15', Add</i>		5.27	
	<i>For Elevated Installation >15' To 20', Add</i>		10.54	
	<i>For Elevated Installation >20' To 25', Add</i>		13.18	
	<i>For Elevated Installation >25' To 30', Add</i>		18.45	
	<i>For Elevated Installation >30' To 35', Add</i>		21.09	
	<i>For Elevated Installation >35' To 40', Add</i>		26.36	
	<i>For Elevated Installation >40', Add</i>		29.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.82	
26 05 33 13-1894	EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		84.49	24.10
	<i>For Work In Restricted Working Space, Add</i>		18.08	
	<i>For Elevated Installation >10' To 15', Add</i>		6.03	
	<i>For Elevated Installation >15' To 20', Add</i>		12.05	
	<i>For Elevated Installation >20' To 25', Add</i>		15.06	
	<i>For Elevated Installation >25' To 30', Add</i>		21.09	
	<i>For Elevated Installation >30' To 35', Add</i>		24.10	
	<i>For Elevated Installation >35' To 40', Add</i>		30.13	
	<i>For Elevated Installation >40', Add</i>		33.14	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		18.08	
26 05 33 13-1895	EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		97.79	26.51
	<i>For Work In Restricted Working Space, Add</i>		19.88	
	<i>For Elevated Installation >10' To 15', Add</i>		6.63	
	<i>For Elevated Installation >15' To 20', Add</i>		13.26	
	<i>For Elevated Installation >20' To 25', Add</i>		16.57	
	<i>For Elevated Installation >25' To 30', Add</i>		23.20	
	<i>For Elevated Installation >30' To 35', Add</i>		26.51	
	<i>For Elevated Installation >35' To 40', Add</i>		33.14	
	<i>For Elevated Installation >40', Add</i>		36.45	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.88	
26 05 33 13-1896	EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		131.46	31.03
	<i>For Work In Restricted Working Space, Add</i>		23.27	
	<i>For Elevated Installation >10' To 15', Add</i>		7.76	
	<i>For Elevated Installation >15' To 20', Add</i>		15.51	
	<i>For Elevated Installation >20' To 25', Add</i>		19.39	
	<i>For Elevated Installation >25' To 30', Add</i>		27.15	
	<i>For Elevated Installation >30' To 35', Add</i>		31.03	
	<i>For Elevated Installation >35' To 40', Add</i>		38.79	
	<i>For Elevated Installation >40', Add</i>		42.66	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		23.27	
26 05 33 13-1897	EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		208.19	45.19
	<i>For Work In Restricted Working Space, Add</i>		33.89	
	<i>For Elevated Installation >10' To 15', Add</i>		11.30	
	<i>For Elevated Installation >15' To 20', Add</i>		22.59	
	<i>For Elevated Installation >20' To 25', Add</i>		28.24	
	<i>For Elevated Installation >25' To 30', Add</i>		39.54	
	<i>For Elevated Installation >30' To 35', Add</i>		45.19	
	<i>For Elevated Installation >35' To 40', Add</i>		56.49	
	<i>For Elevated Installation >40', Add</i>		62.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		33.89	
26 05 33 13-1898	EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		268.92	58.74
	<i>For Work In Restricted Working Space, Add</i>		44.06	
	<i>For Elevated Installation >10' To 15', Add</i>		14.69	
	<i>For Elevated Installation >15' To 20', Add</i>		29.37	
	<i>For Elevated Installation >20' To 25', Add</i>		36.72	
	<i>For Elevated Installation >25' To 30', Add</i>		51.40	
	<i>For Elevated Installation >30' To 35', Add</i>		58.74	
	<i>For Elevated Installation >35' To 40', Add</i>		73.43	
	<i>For Elevated Installation >40', Add</i>		80.77	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		44.06	
26 05 33 13-1899	EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....		434.27	72.30
	<i>For Work In Restricted Working Space, Add</i>		54.23	
	<i>For Elevated Installation >10' To 15', Add</i>		18.08	
	<i>For Elevated Installation >15' To 20', Add</i>		36.15	
	<i>For Elevated Installation >20' To 25', Add</i>		45.19	
	<i>For Elevated Installation >25' To 30', Add</i>		63.26	
	<i>For Elevated Installation >30' To 35', Add</i>		72.30	
	<i>For Elevated Installation >35' To 40', Add</i>		90.38	
	<i>For Elevated Installation >40', Add</i>		99.41	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		54.23	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1900	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	496.79	87.07
		<i>For Work In Restricted Working Space, Add</i>	65.30	
		<i>For Elevated Installation >10' To 15', Add</i>	21.77	
		<i>For Elevated Installation >15' To 20', Add</i>	43.53	
		<i>For Elevated Installation >20' To 25', Add</i>	54.41	
		<i>For Elevated Installation >25' To 30', Add</i>	76.18	
		<i>For Elevated Installation >30' To 35', Add</i>	87.06	
		<i>For Elevated Installation >35' To 40', Add</i>	108.83	
		<i>For Elevated Installation >40', Add</i>	119.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.30	
26 05 33 13-1901		Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1901)</small>		
26 05 33 13-1902	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.75	14.46
		<i>For Work In Restricted Working Space, Add</i>	10.85	
		<i>For Elevated Installation >10' To 15', Add</i>	3.62	
		<i>For Elevated Installation >15' To 20', Add</i>	7.23	
		<i>For Elevated Installation >20' To 25', Add</i>	9.04	
		<i>For Elevated Installation >25' To 30', Add</i>	12.66	
		<i>For Elevated Installation >30' To 35', Add</i>	14.46	
		<i>For Elevated Installation >35' To 40', Add</i>	18.08	
		<i>For Elevated Installation >40', Add</i>	19.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85	
26 05 33 13-1903	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	50.64	16.57
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-1904	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.19	18.98
		<i>For Work In Restricted Working Space, Add</i>	14.24	
		<i>For Elevated Installation >10' To 15', Add</i>	4.75	
		<i>For Elevated Installation >15' To 20', Add</i>	9.49	
		<i>For Elevated Installation >20' To 25', Add</i>	11.86	
		<i>For Elevated Installation >25' To 30', Add</i>	16.61	
		<i>For Elevated Installation >30' To 35', Add</i>	18.98	
		<i>For Elevated Installation >35' To 40', Add</i>	23.73	
		<i>For Elevated Installation >40', Add</i>	26.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
26 05 33 13-1905	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.25	21.99
		<i>For Work In Restricted Working Space, Add</i>	16.49	
		<i>For Elevated Installation >10' To 15', Add</i>	5.50	
		<i>For Elevated Installation >15' To 20', Add</i>	11.00	
		<i>For Elevated Installation >20' To 25', Add</i>	13.75	
		<i>For Elevated Installation >25' To 30', Add</i>	19.24	
		<i>For Elevated Installation >30' To 35', Add</i>	21.99	
		<i>For Elevated Installation >35' To 40', Add</i>	27.49	
		<i>For Elevated Installation >40', Add</i>	30.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1906	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	84.37	24.10
		<i>For Work In Restricted Working Space, Add</i>	18.08	
		<i>For Elevated Installation >10' To 15', Add</i>	6.03	
		<i>For Elevated Installation >15' To 20', Add</i>	12.05	
		<i>For Elevated Installation >20' To 25', Add</i>	15.06	
		<i>For Elevated Installation >25' To 30', Add</i>	21.09	
		<i>For Elevated Installation >30' To 35', Add</i>	24.10	
		<i>For Elevated Installation >35' To 40', Add</i>	30.13	
		<i>For Elevated Installation >40', Add</i>	33.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-1907	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.18	28.92
		<i>For Work In Restricted Working Space, Add</i>	21.69	
		<i>For Elevated Installation >10' To 15', Add</i>	7.23	
		<i>For Elevated Installation >15' To 20', Add</i>	14.46	
		<i>For Elevated Installation >20' To 25', Add</i>	18.08	
		<i>For Elevated Installation >25' To 30', Add</i>	25.31	
		<i>For Elevated Installation >30' To 35', Add</i>	28.92	
		<i>For Elevated Installation >35' To 40', Add</i>	36.15	
		<i>For Elevated Installation >40', Add</i>	39.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.69	
26 05 33 13-1908	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	183.27	40.67
		<i>For Work In Restricted Working Space, Add</i>	30.50	
		<i>For Elevated Installation >10' To 15', Add</i>	10.17	
		<i>For Elevated Installation >15' To 20', Add</i>	20.33	
		<i>For Elevated Installation >20' To 25', Add</i>	25.42	
		<i>For Elevated Installation >25' To 30', Add</i>	35.58	
		<i>For Elevated Installation >30' To 35', Add</i>	40.67	
		<i>For Elevated Installation >35' To 40', Add</i>	50.84	
		<i>For Elevated Installation >40', Add</i>	55.92	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.50	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1909	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	235.52	54.22
		<i>For Work In Restricted Working Space, Add</i>	40.67	
		<i>For Elevated Installation >10' To 15', Add</i>	13.56	
		<i>For Elevated Installation >15' To 20', Add</i>	27.11	
		<i>For Elevated Installation >20' To 25', Add</i>	33.89	
		<i>For Elevated Installation >25' To 30', Add</i>	47.45	
		<i>For Elevated Installation >30' To 35', Add</i>	54.23	
		<i>For Elevated Installation >35' To 40', Add</i>	67.79	
		<i>For Elevated Installation >40', Add</i>	74.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	
26 05 33 13-1910	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	336.27	67.78
		<i>For Work In Restricted Working Space, Add</i>	50.84	
		<i>For Elevated Installation >10' To 15', Add</i>	16.95	
		<i>For Elevated Installation >15' To 20', Add</i>	33.89	
		<i>For Elevated Installation >20' To 25', Add</i>	42.36	
		<i>For Elevated Installation >25' To 30', Add</i>	59.31	
		<i>For Elevated Installation >30' To 35', Add</i>	67.78	
		<i>For Elevated Installation >35' To 40', Add</i>	84.73	
		<i>For Elevated Installation >40', Add</i>	93.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.84	
26 05 33 13-1911	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	434.44	82.55
		<i>For Work In Restricted Working Space, Add</i>	61.91	
		<i>For Elevated Installation >10' To 15', Add</i>	20.64	
		<i>For Elevated Installation >15' To 20', Add</i>	41.27	
		<i>For Elevated Installation >20' To 25', Add</i>	51.59	
		<i>For Elevated Installation >25' To 30', Add</i>	72.23	
		<i>For Elevated Installation >30' To 35', Add</i>	82.54	
		<i>For Elevated Installation >35' To 40', Add</i>	103.18	
		<i>For Elevated Installation >40', Add</i>	113.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.91	

26 05 33 13-1912 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-1967)

26 05 33 13-1913	EA	1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	58.22	18.98
		<i>For Work In Restricted Working Space, Add</i>	14.24	
		<i>For Elevated Installation >10' To 15', Add</i>	4.75	
		<i>For Elevated Installation >15' To 20', Add</i>	9.49	
		<i>For Elevated Installation >20' To 25', Add</i>	11.86	
		<i>For Elevated Installation >25' To 30', Add</i>	16.61	
		<i>For Elevated Installation >30' To 35', Add</i>	18.98	
		<i>For Elevated Installation >35' To 40', Add</i>	23.73	
		<i>For Elevated Installation >40', Add</i>	26.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
26 05 33 13-1914	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	67.29	21.09
		<i>For Work In Restricted Working Space, Add</i>	15.82	
		<i>For Elevated Installation >10' To 15', Add</i>	5.27	
		<i>For Elevated Installation >15' To 20', Add</i>	10.54	
		<i>For Elevated Installation >20' To 25', Add</i>	13.18	
		<i>For Elevated Installation >25' To 30', Add</i>	18.45	
		<i>For Elevated Installation >30' To 35', Add</i>	21.09	
		<i>For Elevated Installation >35' To 40', Add</i>	26.36	
		<i>For Elevated Installation >40', Add</i>	29.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82	
26 05 33 13-1915	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	82.65	23.20
		<i>For Work In Restricted Working Space, Add</i>	17.40	
		<i>For Elevated Installation >10' To 15', Add</i>	5.80	
		<i>For Elevated Installation >15' To 20', Add</i>	11.60	
		<i>For Elevated Installation >20' To 25', Add</i>	14.50	
		<i>For Elevated Installation >25' To 30', Add</i>	20.30	
		<i>For Elevated Installation >30' To 35', Add</i>	23.20	
		<i>For Elevated Installation >35' To 40', Add</i>	29.00	
		<i>For Elevated Installation >40', Add</i>	31.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.40	
26 05 33 13-1916	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	95.31	26.51
		<i>For Work In Restricted Working Space, Add</i>	19.88	
		<i>For Elevated Installation >10' To 15', Add</i>	6.63	
		<i>For Elevated Installation >15' To 20', Add</i>	13.26	
		<i>For Elevated Installation >20' To 25', Add</i>	16.57	
		<i>For Elevated Installation >25' To 30', Add</i>	23.20	
		<i>For Elevated Installation >30' To 35', Add</i>	26.51	
		<i>For Elevated Installation >35' To 40', Add</i>	33.14	
		<i>For Elevated Installation >40', Add</i>	36.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.88	
26 05 33 13-1917	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	123.15	28.92
		<i>For Work In Restricted Working Space, Add</i>	21.69	
		<i>For Elevated Installation >10' To 15', Add</i>	7.23	
		<i>For Elevated Installation >15' To 20', Add</i>	14.46	
		<i>For Elevated Installation >20' To 25', Add</i>	18.08	
		<i>For Elevated Installation >25' To 30', Add</i>	25.31	
		<i>For Elevated Installation >30' To 35', Add</i>	28.92	
		<i>For Elevated Installation >35' To 40', Add</i>	36.15	
		<i>For Elevated Installation >40', Add</i>	39.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1918	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	148.83	35.55
		<i>For Work In Restricted Working Space, Add</i>	26.66	
		<i>For Elevated Installation >10' To 15', Add</i>	8.89	
		<i>For Elevated Installation >15' To 20', Add</i>	17.77	
		<i>For Elevated Installation >20' To 25', Add</i>	22.22	
		<i>For Elevated Installation >25' To 30', Add</i>	31.10	
		<i>For Elevated Installation >30' To 35', Add</i>	35.55	
		<i>For Elevated Installation >35' To 40', Add</i>	44.44	
		<i>For Elevated Installation >40', Add</i>	48.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.66	
26 05 33 13-1919	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	279.07	52.11
		<i>For Work In Restricted Working Space, Add</i>	39.09	
		<i>For Elevated Installation >10' To 15', Add</i>	13.03	
		<i>For Elevated Installation >15' To 20', Add</i>	26.06	
		<i>For Elevated Installation >20' To 25', Add</i>	32.58	
		<i>For Elevated Installation >25' To 30', Add</i>	45.61	
		<i>For Elevated Installation >30' To 35', Add</i>	52.12	
		<i>For Elevated Installation >35' To 40', Add</i>	65.15	
		<i>For Elevated Installation >40', Add</i>	71.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.09	
26 05 33 13-1920	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	343.73	67.78
		<i>For Work In Restricted Working Space, Add</i>	50.84	
		<i>For Elevated Installation >10' To 15', Add</i>	16.95	
		<i>For Elevated Installation >15' To 20', Add</i>	33.89	
		<i>For Elevated Installation >20' To 25', Add</i>	42.36	
		<i>For Elevated Installation >25' To 30', Add</i>	59.31	
		<i>For Elevated Installation >30' To 35', Add</i>	67.78	
		<i>For Elevated Installation >35' To 40', Add</i>	84.73	
		<i>For Elevated Installation >40', Add</i>	93.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.84	
26 05 33 13-1921	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	491.96	83.75
		<i>For Work In Restricted Working Space, Add</i>	63.26	
		<i>For Elevated Installation >10' To 15', Add</i>	21.09	
		<i>For Elevated Installation >15' To 20', Add</i>	42.18	
		<i>For Elevated Installation >20' To 25', Add</i>	52.72	
		<i>For Elevated Installation >25' To 30', Add</i>	73.81	
		<i>For Elevated Installation >30' To 35', Add</i>	84.35	
		<i>For Elevated Installation >35' To 40', Add</i>	105.44	
		<i>For Elevated Installation >40', Add</i>	115.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.26	
26 05 33 13-1922	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	594.46	100.62
		<i>For Work In Restricted Working Space, Add</i>	75.47	
		<i>For Elevated Installation >10' To 15', Add</i>	25.16	
		<i>For Elevated Installation >15' To 20', Add</i>	50.31	
		<i>For Elevated Installation >20' To 25', Add</i>	62.89	
		<i>For Elevated Installation >25' To 30', Add</i>	88.04	
		<i>For Elevated Installation >30' To 35', Add</i>	100.62	
		<i>For Elevated Installation >35' To 40', Add</i>	125.78	
		<i>For Elevated Installation >40', Add</i>	138.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.47	
26 05 33 13-1923		Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-1924		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1925	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	45.03	14.46
		<i>For Work In Restricted Working Space, Add</i>	10.85	
		<i>For Elevated Installation >10' To 15', Add</i>	3.62	
		<i>For Elevated Installation >15' To 20', Add</i>	7.23	
		<i>For Elevated Installation >20' To 25', Add</i>	9.04	
		<i>For Elevated Installation >25' To 30', Add</i>	12.66	
		<i>For Elevated Installation >30' To 35', Add</i>	14.46	
		<i>For Elevated Installation >35' To 40', Add</i>	18.08	
		<i>For Elevated Installation >40', Add</i>	19.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85	
26 05 33 13-1926	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	52.30	16.57
		<i>For Work In Restricted Working Space, Add</i>	12.43	
		<i>For Elevated Installation >10' To 15', Add</i>	4.14	
		<i>For Elevated Installation >15' To 20', Add</i>	8.28	
		<i>For Elevated Installation >20' To 25', Add</i>	10.36	
		<i>For Elevated Installation >25' To 30', Add</i>	14.50	
		<i>For Elevated Installation >30' To 35', Add</i>	16.57	
		<i>For Elevated Installation >35' To 40', Add</i>	20.71	
		<i>For Elevated Installation >40', Add</i>	22.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-1927	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	64.41	19.28
		<i>For Work In Restricted Working Space, Add</i>	14.46	
		<i>For Elevated Installation >10' To 15', Add</i>	4.82	
		<i>For Elevated Installation >15' To 20', Add</i>	9.64	
		<i>For Elevated Installation >20' To 25', Add</i>	12.05	
		<i>For Elevated Installation >25' To 30', Add</i>	16.87	
		<i>For Elevated Installation >30' To 35', Add</i>	19.28	
		<i>For Elevated Installation >35' To 40', Add</i>	24.10	
		<i>For Elevated Installation >40', Add</i>	26.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1928	EA		1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	84.07	21.99
			<i>For Work In Restricted Working Space, Add</i>	16.49	
			<i>For Elevated Installation >10' To 15', Add</i>	5.50	
			<i>For Elevated Installation >15' To 20', Add</i>	11.00	
			<i>For Elevated Installation >20' To 25', Add</i>	13.75	
			<i>For Elevated Installation >25' To 30', Add</i>	19.24	
			<i>For Elevated Installation >30' To 35', Add</i>	21.99	
			<i>For Elevated Installation >35' To 40', Add</i>	27.49	
			<i>For Elevated Installation >40', Add</i>	30.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1929	EA		1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	95.93	24.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
			<i>For Elevated Installation >10' To 15', Add</i>	6.03	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.09	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.13	
			<i>For Elevated Installation >40', Add</i>	33.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-1930	EA		2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	132.01	28.92
			<i>For Work In Restricted Working Space, Add</i>	21.69	
			<i>For Elevated Installation >10' To 15', Add</i>	7.23	
			<i>For Elevated Installation >15' To 20', Add</i>	14.46	
			<i>For Elevated Installation >20' To 25', Add</i>	18.08	
			<i>For Elevated Installation >25' To 30', Add</i>	25.31	
			<i>For Elevated Installation >30' To 35', Add</i>	28.92	
			<i>For Elevated Installation >35' To 40', Add</i>	36.15	
			<i>For Elevated Installation >40', Add</i>	39.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.69	
26 05 33 13-1931	EA		2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	223.91	40.67
			<i>For Work In Restricted Working Space, Add</i>	30.50	
			<i>For Elevated Installation >10' To 15', Add</i>	10.17	
			<i>For Elevated Installation >15' To 20', Add</i>	20.34	
			<i>For Elevated Installation >20' To 25', Add</i>	25.42	
			<i>For Elevated Installation >25' To 30', Add</i>	35.59	
			<i>For Elevated Installation >30' To 35', Add</i>	40.67	
			<i>For Elevated Installation >35' To 40', Add</i>	50.84	
			<i>For Elevated Installation >40', Add</i>	55.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.50	
26 05 33 13-1932	EA		3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	317.90	54.22
			<i>For Work In Restricted Working Space, Add</i>	40.67	
			<i>For Elevated Installation >10' To 15', Add</i>	13.56	
			<i>For Elevated Installation >15' To 20', Add</i>	27.11	
			<i>For Elevated Installation >20' To 25', Add</i>	33.89	
			<i>For Elevated Installation >25' To 30', Add</i>	47.45	
			<i>For Elevated Installation >30' To 35', Add</i>	54.23	
			<i>For Elevated Installation >35' To 40', Add</i>	67.79	
			<i>For Elevated Installation >40', Add</i>	74.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	
26 05 33 13-1933	EA		3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	439.39	67.78
			<i>For Work In Restricted Working Space, Add</i>	50.84	
			<i>For Elevated Installation >10' To 15', Add</i>	16.95	
			<i>For Elevated Installation >15' To 20', Add</i>	33.89	
			<i>For Elevated Installation >20' To 25', Add</i>	42.36	
			<i>For Elevated Installation >25' To 30', Add</i>	59.31	
			<i>For Elevated Installation >30' To 35', Add</i>	67.78	
			<i>For Elevated Installation >35' To 40', Add</i>	84.73	
			<i>For Elevated Installation >40', Add</i>	93.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.84	
26 05 33 13-1934	EA		4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	525.56	82.55
			<i>For Work In Restricted Working Space, Add</i>	61.91	
			<i>For Elevated Installation >10' To 15', Add</i>	20.64	
			<i>For Elevated Installation >15' To 20', Add</i>	41.27	
			<i>For Elevated Installation >20' To 25', Add</i>	51.59	
			<i>For Elevated Installation >25' To 30', Add</i>	72.23	
			<i>For Elevated Installation >30' To 35', Add</i>	82.54	
			<i>For Elevated Installation >35' To 40', Add</i>	103.18	
			<i>For Elevated Installation >40', Add</i>	113.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.91	
26 05 33 13-1935			Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1936	EA		1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.09	14.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85	
26 05 33 13-1937	EA		3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	52.90	16.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-1938	EA		1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	67.55	19.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.46	
26 05 33 13-1939	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	86.17	21.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1940	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	98.50	24.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08	
26 05 33 13-1941	EA		2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	126.74	28.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.69	
26 05 33 13-1942	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	194.60	40.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.50	
26 05 33 13-1943	EA		3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	265.20	54.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1944	EA	3-1/2"	Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	470.42 50.84	67.78
26 05 33 13-1945	EA	4"	Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	548.45 61.91	82.55
26 05 33 13-1946			Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1947	EA	1/2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.07 12.43 4.14 8.28 10.36 14.50 16.57 20.71 22.78 12.43	16.57
26 05 33 13-1948	EA	3/4"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.08 14.69 4.90 9.79 12.24 17.13 19.58 24.48 26.92 14.69	19.28
26 05 33 13-1949	EA	1"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.63 15.82 5.27 10.54 13.18 18.45 21.09 26.36 29.00 15.82	21.09
26 05 33 13-1950	EA	1-1/4"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.65 17.85 5.95 11.90 14.88 20.83 23.80 29.75 32.73 17.85	24.10
26 05 33 13-1951	EA	1-1/2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.53 19.88 6.63 13.26 16.57 23.20 26.51 33.14 36.45 19.88	26.51
26 05 33 13-1952	EA	2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.16 23.27 7.76 15.51 19.39 27.15 31.03 38.79 42.66 23.27	31.03
26 05 33 13-1953	EA	2-1/2"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.27 33.89 11.30 22.59 28.24 39.54 45.19 56.49 62.13 33.89	45.19
26 05 33 13-1954	EA	3"	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.64 44.06 14.69 29.37 36.72 51.40 58.74 73.43 80.77 44.06	58.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1955	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	496.06	72.30
			<i>For Work In Restricted Working Space, Add</i>	54.23	
			<i>For Elevated Installation >10' To 15', Add</i>	18.08	
			<i>For Elevated Installation >15' To 20', Add</i>	36.15	
			<i>For Elevated Installation >20' To 25', Add</i>	45.19	
			<i>For Elevated Installation >25' To 30', Add</i>	63.26	
			<i>For Elevated Installation >30' To 35', Add</i>	72.30	
			<i>For Elevated Installation >35' To 40', Add</i>	90.38	
			<i>For Elevated Installation >40', Add</i>	99.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.23	
26 05 33 13-1956	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	572.89	87.07
			<i>For Work In Restricted Working Space, Add</i>	65.52	
			<i>For Elevated Installation >10' To 15', Add</i>	21.84	
			<i>For Elevated Installation >15' To 20', Add</i>	43.68	
			<i>For Elevated Installation >20' To 25', Add</i>	54.60	
			<i>For Elevated Installation >25' To 30', Add</i>	76.44	
			<i>For Elevated Installation >30' To 35', Add</i>	87.36	
			<i>For Elevated Installation >35' To 40', Add</i>	109.21	
			<i>For Elevated Installation >40', Add</i>	120.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.52	
26 05 33 13-1957			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1958	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	45.18	14.46
			<i>For Work In Restricted Working Space, Add</i>	10.85	
			<i>For Elevated Installation >10' To 15', Add</i>	3.62	
			<i>For Elevated Installation >15' To 20', Add</i>	7.23	
			<i>For Elevated Installation >20' To 25', Add</i>	9.04	
			<i>For Elevated Installation >25' To 30', Add</i>	12.65	
			<i>For Elevated Installation >30' To 35', Add</i>	14.46	
			<i>For Elevated Installation >35' To 40', Add</i>	18.08	
			<i>For Elevated Installation >40', Add</i>	19.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85	
26 05 33 13-1959	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	54.96	16.57
			<i>For Work In Restricted Working Space, Add</i>	12.43	
			<i>For Elevated Installation >10' To 15', Add</i>	4.14	
			<i>For Elevated Installation >15' To 20', Add</i>	8.28	
			<i>For Elevated Installation >20' To 25', Add</i>	10.36	
			<i>For Elevated Installation >25' To 30', Add</i>	14.50	
			<i>For Elevated Installation >30' To 35', Add</i>	16.57	
			<i>For Elevated Installation >35' To 40', Add</i>	20.71	
			<i>For Elevated Installation >40', Add</i>	22.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43	
26 05 33 13-1960	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	64.40	18.98
			<i>For Work In Restricted Working Space, Add</i>	14.24	
			<i>For Elevated Installation >10' To 15', Add</i>	4.75	
			<i>For Elevated Installation >15' To 20', Add</i>	9.49	
			<i>For Elevated Installation >20' To 25', Add</i>	11.86	
			<i>For Elevated Installation >25' To 30', Add</i>	16.61	
			<i>For Elevated Installation >30' To 35', Add</i>	18.98	
			<i>For Elevated Installation >35' To 40', Add</i>	23.73	
			<i>For Elevated Installation >40', Add</i>	26.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
26 05 33 13-1961	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	87.94	21.99
			<i>For Work In Restricted Working Space, Add</i>	16.49	
			<i>For Elevated Installation >10' To 15', Add</i>	5.50	
			<i>For Elevated Installation >15' To 20', Add</i>	11.00	
			<i>For Elevated Installation >20' To 25', Add</i>	13.75	
			<i>For Elevated Installation >25' To 30', Add</i>	19.24	
			<i>For Elevated Installation >30' To 35', Add</i>	21.99	
			<i>For Elevated Installation >35' To 40', Add</i>	27.49	
			<i>For Elevated Installation >40', Add</i>	30.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1962	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	103.17	24.10
			<i>For Work In Restricted Working Space, Add</i>	18.07	
			<i>For Elevated Installation >10' To 15', Add</i>	6.02	
			<i>For Elevated Installation >15' To 20', Add</i>	12.05	
			<i>For Elevated Installation >20' To 25', Add</i>	15.06	
			<i>For Elevated Installation >25' To 30', Add</i>	21.08	
			<i>For Elevated Installation >30' To 35', Add</i>	24.10	
			<i>For Elevated Installation >35' To 40', Add</i>	30.12	
			<i>For Elevated Installation >40', Add</i>	33.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.07	
26 05 33 13-1963	EA		2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	134.09	28.92
			<i>For Work In Restricted Working Space, Add</i>	21.69	
			<i>For Elevated Installation >10' To 15', Add</i>	7.23	
			<i>For Elevated Installation >15' To 20', Add</i>	14.46	
			<i>For Elevated Installation >20' To 25', Add</i>	18.08	
			<i>For Elevated Installation >25' To 30', Add</i>	25.31	
			<i>For Elevated Installation >30' To 35', Add</i>	28.92	
			<i>For Elevated Installation >35' To 40', Add</i>	36.15	
			<i>For Elevated Installation >40', Add</i>	39.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.69	

26 Electrical

26 05 Common Work Results for Electrical

26 05 33 Raceway and Boxes for Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1964	EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	296.84	76.29
	<i>For Work In Restricted Working Space, Add</i>	57.19	
	<i>For Elevated Installation >10' To 15', Add</i>	19.06	
	<i>For Elevated Installation >15' To 20', Add</i>	38.13	
	<i>For Elevated Installation >20' To 25', Add</i>	47.66	
	<i>For Elevated Installation >25' To 30', Add</i>	66.72	
	<i>For Elevated Installation >30' To 35', Add</i>	76.26	
	<i>For Elevated Installation >35' To 40', Add</i>	95.32	
	<i>For Elevated Installation >40', Add</i>	104.85	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.19	
26 05 33 13-1965	EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	287.34	54.22
	<i>For Work In Restricted Working Space, Add</i>	40.67	
	<i>For Elevated Installation >10' To 15', Add</i>	13.56	
	<i>For Elevated Installation >15' To 20', Add</i>	27.11	
	<i>For Elevated Installation >20' To 25', Add</i>	33.89	
	<i>For Elevated Installation >25' To 30', Add</i>	47.45	
	<i>For Elevated Installation >30' To 35', Add</i>	54.23	
	<i>For Elevated Installation >35' To 40', Add</i>	67.79	
	<i>For Elevated Installation >40', Add</i>	74.56	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67	
26 05 33 13-1966	EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	470.42	67.78
	<i>For Work In Restricted Working Space, Add</i>	50.84	
	<i>For Elevated Installation >10' To 15', Add</i>	16.95	
	<i>For Elevated Installation >15' To 20', Add</i>	33.89	
	<i>For Elevated Installation >20' To 25', Add</i>	42.36	
	<i>For Elevated Installation >25' To 30', Add</i>	59.31	
	<i>For Elevated Installation >30' To 35', Add</i>	67.78	
	<i>For Elevated Installation >35' To 40', Add</i>	84.73	
	<i>For Elevated Installation >40', Add</i>	93.20	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.84	
26 05 33 13-1967	EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	548.44	82.55
	<i>For Work In Restricted Working Space, Add</i>	61.91	
	<i>For Elevated Installation >10' To 15', Add</i>	20.64	
	<i>For Elevated Installation >15' To 20', Add</i>	41.27	
	<i>For Elevated Installation >20' To 25', Add</i>	51.59	
	<i>For Elevated Installation >25' To 30', Add</i>	72.22	
	<i>For Elevated Installation >30' To 35', Add</i>	82.54	
	<i>For Elevated Installation >35' To 40', Add</i>	103.18	
	<i>For Elevated Installation >40', Add</i>	113.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.91	
26 05 33 13-1968	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1969	EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	63.69	18.98
	<i>For Work In Restricted Working Space, Add</i>	14.24	
	<i>For Elevated Installation >10' To 15', Add</i>	4.75	
	<i>For Elevated Installation >15' To 20', Add</i>	9.49	
	<i>For Elevated Installation >20' To 25', Add</i>	11.86	
	<i>For Elevated Installation >25' To 30', Add</i>	16.61	
	<i>For Elevated Installation >30' To 35', Add</i>	18.98	
	<i>For Elevated Installation >35' To 40', Add</i>	23.73	
	<i>For Elevated Installation >40', Add</i>	26.10	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
26 05 33 13-1970	EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	69.57	21.09
	<i>For Work In Restricted Working Space, Add</i>	15.82	
	<i>For Elevated Installation >10' To 15', Add</i>	5.27	
	<i>For Elevated Installation >15' To 20', Add</i>	10.54	
	<i>For Elevated Installation >20' To 25', Add</i>	13.18	
	<i>For Elevated Installation >25' To 30', Add</i>	18.45	
	<i>For Elevated Installation >30' To 35', Add</i>	21.09	
	<i>For Elevated Installation >35' To 40', Add</i>	26.36	
	<i>For Elevated Installation >40', Add</i>	29.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.82	
26 05 33 13-1971	EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	81.11	23.20
	<i>For Work In Restricted Working Space, Add</i>	17.40	
	<i>For Elevated Installation >10' To 15', Add</i>	5.80	
	<i>For Elevated Installation >15' To 20', Add</i>	11.60	
	<i>For Elevated Installation >20' To 25', Add</i>	14.50	
	<i>For Elevated Installation >25' To 30', Add</i>	20.30	
	<i>For Elevated Installation >30' To 35', Add</i>	23.20	
	<i>For Elevated Installation >35' To 40', Add</i>	29.00	
	<i>For Elevated Installation >40', Add</i>	31.89	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.40	
26 05 33 13-1972	EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	96.81	26.51
	<i>For Work In Restricted Working Space, Add</i>	19.88	
	<i>For Elevated Installation >10' To 15', Add</i>	6.63	
	<i>For Elevated Installation >15' To 20', Add</i>	13.26	
	<i>For Elevated Installation >20' To 25', Add</i>	16.57	
	<i>For Elevated Installation >25' To 30', Add</i>	23.20	
	<i>For Elevated Installation >30' To 35', Add</i>	26.51	
	<i>For Elevated Installation >35' To 40', Add</i>	33.14	
	<i>For Elevated Installation >40', Add</i>	36.45	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1973 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	112.13	28.92
For Work In Restricted Working Space, Add	21.69	
For Elevated Installation >10' To 15', Add	7.23	
For Elevated Installation >15' To 20', Add	14.46	
For Elevated Installation >20' To 25', Add	18.08	
For Elevated Installation >25' To 30', Add	25.31	
For Elevated Installation >30' To 35', Add	28.92	
For Elevated Installation >35' To 40', Add	36.15	
For Elevated Installation >40', Add	39.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.69	
26 05 33 13-1974 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	158.22	35.55
For Work In Restricted Working Space, Add	26.66	
For Elevated Installation >10' To 15', Add	8.89	
For Elevated Installation >15' To 20', Add	17.77	
For Elevated Installation >20' To 25', Add	22.22	
For Elevated Installation >25' To 30', Add	31.10	
For Elevated Installation >30' To 35', Add	35.55	
For Elevated Installation >35' To 40', Add	44.44	
For Elevated Installation >40', Add	48.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.66	
26 05 33 13-1975 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	254.11	52.11
For Work In Restricted Working Space, Add	39.09	
For Elevated Installation >10' To 15', Add	13.03	
For Elevated Installation >15' To 20', Add	26.06	
For Elevated Installation >20' To 25', Add	32.58	
For Elevated Installation >25' To 30', Add	45.61	
For Elevated Installation >30' To 35', Add	52.12	
For Elevated Installation >35' To 40', Add	65.15	
For Elevated Installation >40', Add	71.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.09	
26 05 33 13-1976 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	375.19	67.78
For Work In Restricted Working Space, Add	50.84	
For Elevated Installation >10' To 15', Add	16.95	
For Elevated Installation >15' To 20', Add	33.89	
For Elevated Installation >20' To 25', Add	42.36	
For Elevated Installation >25' To 30', Add	59.31	
For Elevated Installation >30' To 35', Add	67.78	
For Elevated Installation >35' To 40', Add	84.73	
For Elevated Installation >40', Add	93.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.84	
26 05 33 13-1977 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	565.15	83.75
For Work In Restricted Working Space, Add	62.81	
For Elevated Installation >10' To 15', Add	20.94	
For Elevated Installation >15' To 20', Add	41.87	
For Elevated Installation >20' To 25', Add	52.34	
For Elevated Installation >25' To 30', Add	73.28	
For Elevated Installation >30' To 35', Add	83.75	
For Elevated Installation >35' To 40', Add	104.69	
For Elevated Installation >40', Add	115.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.81	
26 05 33 13-1978 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	629.30	100.62
For Work In Restricted Working Space, Add	75.47	
For Elevated Installation >10' To 15', Add	25.16	
For Elevated Installation >15' To 20', Add	50.31	
For Elevated Installation >20' To 25', Add	62.89	
For Elevated Installation >25' To 30', Add	88.04	
For Elevated Installation >30' To 35', Add	100.62	
For Elevated Installation >35' To 40', Add	125.78	
For Elevated Installation >40', Add	138.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.47	
26 05 33 13-1979 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-1980 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-1981 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.01	5.72
For Work In Restricted Working Space, Add	4.29	
For Elevated Installation >10' To 15', Add	1.43	
For Elevated Installation >15' To 20', Add	2.86	
For Elevated Installation >20' To 25', Add	3.58	
For Elevated Installation >25' To 30', Add	5.01	
For Elevated Installation >30' To 35', Add	5.72	
For Elevated Installation >35' To 40', Add	7.16	
For Elevated Installation >40', Add	7.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-1982 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.09	7.53
For Work In Restricted Working Space, Add	5.65	
For Elevated Installation >10' To 15', Add	1.88	
For Elevated Installation >15' To 20', Add	3.77	
For Elevated Installation >20' To 25', Add	4.71	
For Elevated Installation >25' To 30', Add	6.59	
For Elevated Installation >30' To 35', Add	7.53	
For Elevated Installation >35' To 40', Add	9.42	
For Elevated Installation >40', Add	10.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1983	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.30	9.33
		<i>For Work In Restricted Working Space, Add</i>	7.01	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.67	
		<i>For Elevated Installation >20' To 25', Add</i>	5.84	
		<i>For Elevated Installation >25' To 30', Add</i>	8.17	
		<i>For Elevated Installation >30' To 35', Add</i>	9.34	
		<i>For Elevated Installation >35' To 40', Add</i>	11.68	
		<i>For Elevated Installation >40', Add</i>	12.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
26 05 33 13-1984	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.88	11.44
		<i>For Work In Restricted Working Space, Add</i>	8.59	
		<i>For Elevated Installation >10' To 15', Add</i>	2.86	
		<i>For Elevated Installation >15' To 20', Add</i>	5.72	
		<i>For Elevated Installation >20' To 25', Add</i>	7.16	
		<i>For Elevated Installation >25' To 30', Add</i>	10.02	
		<i>For Elevated Installation >30' To 35', Add</i>	11.45	
		<i>For Elevated Installation >35' To 40', Add</i>	14.31	
		<i>For Elevated Installation >40', Add</i>	15.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	
26 05 33 13-1985	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.20	13.26
		<i>For Work In Restricted Working Space, Add</i>	9.94	
		<i>For Elevated Installation >10' To 15', Add</i>	3.31	
		<i>For Elevated Installation >15' To 20', Add</i>	6.63	
		<i>For Elevated Installation >20' To 25', Add</i>	8.28	
		<i>For Elevated Installation >25' To 30', Add</i>	11.60	
		<i>For Elevated Installation >30' To 35', Add</i>	13.25	
		<i>For Elevated Installation >35' To 40', Add</i>	16.57	
		<i>For Elevated Installation >40', Add</i>	18.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-1986	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	88.56	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	

26 05 33 13-1987 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover
(26 05 33 13-1979)

26 05 33 13-1988	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.23	5.72
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-1989	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.90	7.53
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-1990	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.47	9.33
		<i>For Work In Restricted Working Space, Add</i>	7.01	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.67	
		<i>For Elevated Installation >20' To 25', Add</i>	5.84	
		<i>For Elevated Installation >25' To 30', Add</i>	8.17	
		<i>For Elevated Installation >30' To 35', Add</i>	9.34	
		<i>For Elevated Installation >35' To 40', Add</i>	11.68	
		<i>For Elevated Installation >40', Add</i>	12.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
26 05 33 13-1991	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.64	11.44
		<i>For Work In Restricted Working Space, Add</i>	8.59	
		<i>For Elevated Installation >10' To 15', Add</i>	2.86	
		<i>For Elevated Installation >15' To 20', Add</i>	5.72	
		<i>For Elevated Installation >20' To 25', Add</i>	7.16	
		<i>For Elevated Installation >25' To 30', Add</i>	10.02	
		<i>For Elevated Installation >30' To 35', Add</i>	11.45	
		<i>For Elevated Installation >35' To 40', Add</i>	14.31	
		<i>For Elevated Installation >40', Add</i>	15.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1992	EA			1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	61.50	13.26
				For Work In Restricted Working Space, Add	9.94	
				For Elevated Installation >10' To 15', Add	3.31	
				For Elevated Installation >15' To 20', Add	6.63	
				For Elevated Installation >20' To 25', Add	8.28	
				For Elevated Installation >25' To 30', Add	11.60	
				For Elevated Installation >30' To 35', Add	13.25	
				For Elevated Installation >35' To 40', Add	16.57	
				For Elevated Installation >40', Add	18.22	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-1993	EA			2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	88.15	15.07
				For Work In Restricted Working Space, Add	11.30	
				For Elevated Installation >10' To 15', Add	3.77	
				For Elevated Installation >15' To 20', Add	7.53	
				For Elevated Installation >20' To 25', Add	9.42	
				For Elevated Installation >25' To 30', Add	13.18	
				For Elevated Installation >30' To 35', Add	15.06	
				For Elevated Installation >35' To 40', Add	18.83	
				For Elevated Installation >40', Add	20.71	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.30	
26 05 33 13-1994				Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶		
				_{05 33 13-1979)}		
26 05 33 13-1995	EA			1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	28.53	7.53
				For Work In Restricted Working Space, Add	5.65	
				For Elevated Installation >10' To 15', Add	1.88	
				For Elevated Installation >15' To 20', Add	3.77	
				For Elevated Installation >20' To 25', Add	4.71	
				For Elevated Installation >25' To 30', Add	6.59	
				For Elevated Installation >30' To 35', Add	7.53	
				For Elevated Installation >35' To 40', Add	9.42	
				For Elevated Installation >40', Add	10.36	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.65	
26 05 33 13-1996	EA			3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	37.33	9.33
				For Work In Restricted Working Space, Add	7.01	
				For Elevated Installation >10' To 15', Add	2.34	
				For Elevated Installation >15' To 20', Add	4.67	
				For Elevated Installation >20' To 25', Add	5.84	
				For Elevated Installation >25' To 30', Add	8.17	
				For Elevated Installation >30' To 35', Add	9.34	
				For Elevated Installation >35' To 40', Add	11.68	
				For Elevated Installation >40', Add	12.84	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.01	
26 05 33 13-1997	EA			1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	44.96	11.44
				For Work In Restricted Working Space, Add	8.59	
				For Elevated Installation >10' To 15', Add	2.86	
				For Elevated Installation >15' To 20', Add	5.72	
				For Elevated Installation >20' To 25', Add	7.16	
				For Elevated Installation >25' To 30', Add	10.02	
				For Elevated Installation >30' To 35', Add	11.45	
				For Elevated Installation >35' To 40', Add	14.31	
				For Elevated Installation >40', Add	15.74	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.59	
26 05 33 13-1998	EA			1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	62.85	13.26
				For Work In Restricted Working Space, Add	10.39	
				For Elevated Installation >10' To 15', Add	3.46	
				For Elevated Installation >15' To 20', Add	6.93	
				For Elevated Installation >20' To 25', Add	8.66	
				For Elevated Installation >25' To 30', Add	12.12	
				For Elevated Installation >30' To 35', Add	13.86	
				For Elevated Installation >35' To 40', Add	17.32	
				For Elevated Installation >40', Add	19.05	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.39	
26 05 33 13-1999	EA			1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	81.10	15.07
				For Work In Restricted Working Space, Add	12.20	
				For Elevated Installation >10' To 15', Add	4.07	
				For Elevated Installation >15' To 20', Add	8.13	
				For Elevated Installation >20' To 25', Add	10.17	
				For Elevated Installation >25' To 30', Add	14.23	
				For Elevated Installation >30' To 35', Add	16.27	
				For Elevated Installation >35' To 40', Add	20.34	
				For Elevated Installation >40', Add	22.37	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 05 33 13-2000	EA			2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	110.22	16.87
				For Work In Restricted Working Space, Add	14.01	
				For Elevated Installation >10' To 15', Add	4.67	
				For Elevated Installation >15' To 20', Add	9.34	
				For Elevated Installation >20' To 25', Add	11.67	
				For Elevated Installation >25' To 30', Add	16.34	
				For Elevated Installation >30' To 35', Add	18.68	
				For Elevated Installation >35' To 40', Add	23.35	
				For Elevated Installation >40', Add	25.68	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.01	

26 05 33 13-2001 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ^{(26 05}
_{33 13-1979)}

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2002	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	22.92	5.72
		<i>For Work In Restricted Working Space, Add</i>	4.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.43	
		<i>For Elevated Installation >15' To 20', Add</i>	2.86	
		<i>For Elevated Installation >20' To 25', Add</i>	3.58	
		<i>For Elevated Installation >25' To 30', Add</i>	5.01	
		<i>For Elevated Installation >30' To 35', Add</i>	5.72	
		<i>For Elevated Installation >35' To 40', Add</i>	7.16	
		<i>For Elevated Installation >40', Add</i>	7.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2003	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.71	7.53
		<i>For Work In Restricted Working Space, Add</i>	5.65	
		<i>For Elevated Installation >10' To 15', Add</i>	1.88	
		<i>For Elevated Installation >15' To 20', Add</i>	3.77	
		<i>For Elevated Installation >20' To 25', Add</i>	4.71	
		<i>For Elevated Installation >25' To 30', Add</i>	6.59	
		<i>For Elevated Installation >30' To 35', Add</i>	7.53	
		<i>For Elevated Installation >35' To 40', Add</i>	9.42	
		<i>For Elevated Installation >40', Add</i>	10.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-2004	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.32	9.33
		<i>For Work In Restricted Working Space, Add</i>	7.01	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.67	
		<i>For Elevated Installation >20' To 25', Add</i>	5.84	
		<i>For Elevated Installation >25' To 30', Add</i>	8.17	
		<i>For Elevated Installation >30' To 35', Add</i>	9.34	
		<i>For Elevated Installation >35' To 40', Add</i>	11.68	
		<i>For Elevated Installation >40', Add</i>	12.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01	
26 05 33 13-2005	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	51.11	11.44
		<i>For Work In Restricted Working Space, Add</i>	8.59	
		<i>For Elevated Installation >10' To 15', Add</i>	2.86	
		<i>For Elevated Installation >15' To 20', Add</i>	5.72	
		<i>For Elevated Installation >20' To 25', Add</i>	7.16	
		<i>For Elevated Installation >25' To 30', Add</i>	10.02	
		<i>For Elevated Installation >30' To 35', Add</i>	11.45	
		<i>For Elevated Installation >35' To 40', Add</i>	14.31	
		<i>For Elevated Installation >40', Add</i>	15.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.59	
26 05 33 13-2006	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	62.34	13.26
		<i>For Work In Restricted Working Space, Add</i>	9.94	
		<i>For Elevated Installation >10' To 15', Add</i>	3.31	
		<i>For Elevated Installation >15' To 20', Add</i>	6.63	
		<i>For Elevated Installation >20' To 25', Add</i>	8.28	
		<i>For Elevated Installation >25' To 30', Add</i>	11.60	
		<i>For Elevated Installation >30' To 35', Add</i>	13.25	
		<i>For Elevated Installation >35' To 40', Add</i>	16.57	
		<i>For Elevated Installation >40', Add</i>	18.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-2007	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	96.00	15.07
		<i>For Work In Restricted Working Space, Add</i>	11.30	
		<i>For Elevated Installation >10' To 15', Add</i>	3.77	
		<i>For Elevated Installation >15' To 20', Add</i>	7.53	
		<i>For Elevated Installation >20' To 25', Add</i>	9.42	
		<i>For Elevated Installation >25' To 30', Add</i>	13.18	
		<i>For Elevated Installation >30' To 35', Add</i>	15.06	
		<i>For Elevated Installation >35' To 40', Add</i>	18.83	
		<i>For Elevated Installation >40', Add</i>	20.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.30	
26 05 33 13-2008		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1866)</small>		
26 05 33 13-2009	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	111.01	16.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33 13-2010	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	419.17	30.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.89	
26 05 33 13-2011	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	805.87	61.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.43	
26 05 33 13-2012		Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-2013		Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2012)</small>		
26 05 33 13-2014	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	8.04	2.94
26 05 33 13-2015	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	9.89	3.42
26 05 33 13-2016	EA	1" Replacement Stamped Aluminum Conduit Body Cover	12.66	4.41
26 05 33 13-2017	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	15.40	5.38
26 05 33 13-2018	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	19.00	6.36
26 05 33 13-2019	EA	2" Replacement Stamped Aluminum Conduit Body Cover	22.59	7.35
26 05 33 13-2020	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	30.31	8.32
26 05 33 13-2021	EA	3" Replacement Stamped Aluminum Conduit Body Cover	38.81	11.74
26 05 33 13-2022	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	42.10	13.22
26 05 33 13-2023	EA	4" Replacement Stamped Aluminum Conduit Body Cover	53.05	16.64
26 05 33 13-2024		Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2012)</small>		
26 05 33 13-2025	EA	1/2" Replacement Cast Steel Conduit Body Cover	9.52	2.94

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2026	EA	3/4" Replacement Cast Steel Conduit Body Cover.....	11.18	3.42
26 05 33 13-2027	EA	1" Replacement Cast Steel Conduit Body Cover.....	15.83	4.41
26 05 33 13-2028	EA	1-1/4" Replacement Cast Steel Conduit Body Cover.....	19.70	5.38
26 05 33 13-2029	EA	1-1/2" Replacement Cast Steel Conduit Body Cover.....	24.01	6.36
26 05 33 13-2030	EA	2" Replacement Cast Steel Conduit Body Cover.....	28.31	7.35
26 05 33 13-2031	EA	2-1/2" Replacement Cast Steel Conduit Body Cover.....	32.59	8.32
26 05 33 13-2032	EA	3" Replacement Cast Steel Conduit Body Cover.....	44.18	11.74
26 05 33 13-2033	EA	3-1/2" Replacement Cast Steel Conduit Body Cover.....	50.57	13.22
26 05 33 13-2034	EA	4" Replacement Cast Steel Conduit Body Cover.....	63.75	16.64

26 05 33 13-2035 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2012)

26 05 33 13-2036	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket.....	7.38	2.94
26 05 33 13-2037	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket.....	8.41	3.42
26 05 33 13-2038	EA	1" Replacement Velbuna Composition Conduit Body Gasket.....	11.01	4.41
26 05 33 13-2039	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	14.41	5.38
26 05 33 13-2040	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	16.37	6.36
26 05 33 13-2041	EA	2" Replacement Velbuna Composition Conduit Body Gasket.....	19.53	7.35
26 05 33 13-2042	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	26.14	8.32
26 05 33 13-2043	EA	3" Replacement Velbuna Composition Conduit Body Gasket.....	33.60	11.74
26 05 33 13-2044	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	37.17	13.22
26 05 33 13-2045	EA	4" Replacement Velbuna Composition Conduit Body Gasket.....	43.94	16.64

26 05 33 13-2046 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2012)

26 05 33 13-2047	EA	1/2" Replacement Neoprene Conduit Body Gasket.....	8.40	2.94
26 05 33 13-2048	EA	3/4" Replacement Neoprene Conduit Body Gasket.....	9.39	3.42
26 05 33 13-2049	EA	1" Replacement Neoprene Conduit Body Gasket.....	12.29	4.41
26 05 33 13-2050	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....	15.06	5.38
26 05 33 13-2051	EA	1-1/2" Replacement Neoprene Conduit Body Gasket.....	17.02	6.36
26 05 33 13-2052	EA	2" Replacement Neoprene Conduit Body Gasket.....	19.60	7.35
26 05 33 13-2053	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....	26.30	8.32
26 05 33 13-2054	EA	3" Replacement Neoprene Conduit Body Gasket.....	33.76	11.74
26 05 33 13-2055	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....	38.27	13.22
26 05 33 13-2056	EA	4" Replacement Neoprene Conduit Body Gasket.....	45.04	16.64

26 05 33 16 Boxes for Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	27.95	12.38
		<i>For Stud Bracket, Add</i>	<i>0.79</i>	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	29.40	12.38
		<i>For Stud Bracket, Add</i>	<i>1.41</i>	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	34.39	12.38
		<i>For Stud Bracket, Add</i>	<i>1.54</i>	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	23.61	8.25
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	18.56	8.25
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.77	4.12
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.01	4.12
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.17	4.12
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.71	4.12
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.87	4.12
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.60	4.12
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.43	4.12
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.59	4.12
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.80	4.12
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.57	4.12
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.93	4.12
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	15.17	4.12
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	11.29	4.12
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	12.72	4.12
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	10.40	4.12
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	10.54	4.12
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	10.37	4.12
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	10.75	4.12
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.07	4.12
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.03	4.12
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.01	4.12
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	15.03	4.12
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.01	4.12
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	11.94	4.12
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.03	4.12
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	15.03	4.12
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	9.27	4.12

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	33.32	12.38
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	30.04	12.38
		<i>For Stud Bracket, Add</i>	<i>0.74</i>	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	46.54	12.38
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	24.98	8.25
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	25.79	8.25
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.06	4.12
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.10	4.12
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.50	4.12
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.94	4.12
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.81	4.12
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	19.64	4.12
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.18	4.12
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.48	4.12
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.50	4.12
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.56	4.12
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.99	4.12
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	21.98	4.12
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	13.90	4.12
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	14.05	4.12
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	17.92	4.12
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	19.00	4.12
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	17.60	4.12
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	16.42	4.12
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.37	4.12
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.99	4.12
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.99	4.12
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	18.99	4.12
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	10.16	4.12

26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)

26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	13.88	6.20
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	10.54	4.13
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	17.39	6.20
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	19.18	6.20

26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)

26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	23.25	10.31
		<i>For Stud Bracket, Add</i>	1.91	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	24.52	10.31
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	9.19	4.12

26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)

Note: Placed in concrete slabs or walls.

26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring.....	38.75	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	41.34	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring.....	43.23	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	45.05	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring.....	50.20	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring.....	55.58	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring.....	59.55	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover.....	10.94	4.12

26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)

26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	41.25	10.31
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	45.51	11.14
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	55.86	12.38
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	75.73	13.61
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	118.26	14.85
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	60.87	10.31
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	66.42	11.14
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	91.17	12.38
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	119.65	13.61
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	205.08	14.85
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring.....	18.46	4.12
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring.....	18.79	4.12
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring.....	22.57	4.12
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring.....	29.07	4.12
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring.....	43.33	4.12
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover.....	15.21	4.12
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover.....	18.75	4.12
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover.....	23.45	4.12
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover.....	29.44	4.12
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover.....	44.34	4.12

26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)

26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	25.70	10.31
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	26.24	10.31
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	29.08	10.31
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	35.45	10.31
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	36.00	10.31
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	44.63	10.31

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 16-0110	4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>			
26 05 33 16-0111	EA 1-1/2" Deep, 4" x 2" Steel Handy Box..... <i>For Stud Bracket, Add</i>		23.11 3.07	10.31
26 05 33 16-0112	EA 1-7/8" Deep, 4" x 2" Steel Handy Box..... <i>For Stud Bracket, Add</i>		23.70 1.32	10.31
26 05 33 16-0113	EA 2-1/8" Deep, 4" x 2" Steel Handy Box..... <i>For Stud Bracket, Add</i>		25.00 1.80	10.31
26 05 33 16-0114	EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....		15.94	6.19
26 05 33 16-0115	EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....		15.35	6.19
26 05 33 16-0116	EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....		5.41	2.07
26 05 33 16-0117	EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....		5.52	2.07
26 05 33 16-0118	EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....		4.96	2.07
26 05 33 16-0119	EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....		5.00	2.07
26 05 33 16-0120	EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....		6.12	2.07
26 05 33 16-0121	EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....		5.00	2.07

26 05 33 16-0122	3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>			
26 05 33 16-0123	EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....		35.77	14.44
26 05 33 16-0124	EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....		40.94	15.26
26 05 33 16-0125	EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....		47.94	16.50
26 05 33 16-0126	EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....		55.27	18.15

26 05 33 16-0127 **Cast Boxes** (26 05 33 16)
 Note: For flush or surface mount.

26 05 33 16-0128 **Cast Iron Alloy Boxes** (26 05 33 16-0127)
 See CSI section 26 27 26 00-0263 for box covers.

26 05 33 16-0129 **Shallow, Single Gang Cast Iron Alloy Boxes** (26 05 33 16-0128)
 Note: Up to 2" deep boxes.

26 05 33 16-0130	EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.		74.15	24.75
26 05 33 16-0131	EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.		79.18	28.87
26 05 33 16-0132	EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box..... Note: One hub.		92.90	35.06
26 05 33 16-0133	EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.		92.02	33.00
26 05 33 16-0134	EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.		118.58	39.19
26 05 33 16-0135	EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hub.		91.60	33.00
26 05 33 16-0136	EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		110.30	39.19
26 05 33 16-0137	EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		94.26	33.00
26 05 33 16-0138	EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		110.34	39.19
26 05 33 16-0139	EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		91.60	33.00
26 05 33 16-0140	EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		107.06	39.19
26 05 33 16-0141	EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		108.54	41.25
26 05 33 16-0142	EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		128.23	49.50
26 05 33 16-0143	EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		113.65	41.25
26 05 33 16-0144	EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		147.70	49.50
26 05 33 16-0145	EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		116.98	41.25
26 05 33 16-0146	EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		139.70	49.50
26 05 33 16-0147	EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		108.11	41.25
26 05 33 16-0148	EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.		141.95	49.50
26 05 33 16-0149	EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.		138.77	49.50
26 05 33 16-0150	EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.		167.39	59.81

26 05 33 16-0151 **Deep, Single Gang Cast Iron Alloy Boxes** (26 05 33 16-0128)
 Note: >2" deep boxes.

26 05 33 16-0152	EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.		77.91	24.75
26 05 33 16-0153	EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.		89.61	28.87
26 05 33 16-0154	EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.		104.94	35.06
26 05 33 16-0155	EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.		98.89	33.00

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	113.84	39.19
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	136.73	47.44
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	123.21	39.19
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	158.80	49.50
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	90.10	26.82
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	99.46	30.94
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	115.18	37.13
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	108.41	35.06
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	122.72	41.25
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	101.38	26.82
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	110.08	30.94
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	125.40	35.06
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	140.67	41.25
26 05 33 16-0171		Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	65.90	20.63
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	75.14	24.75
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	82.49	30.94
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	61.52	20.63
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	78.22	24.75
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	82.83	28.87
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	99.40	35.06
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	124.94	43.31
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	90.44	28.87
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	95.69	35.06
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	86.11	28.87
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	98.28	35.06
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	83.31	28.87
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	98.28	35.06
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	76.85	28.87
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	105.15	35.06
26 05 33 16-0189	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	97.81	37.13
26 05 33 16-0190	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	118.76	45.38
26 05 33 16-0191	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	104.50	37.13
26 05 33 16-0192	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	141.96	45.38
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	103.94	37.13
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	127.59	45.38
26 05 33 16-0195	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	129.58	45.38
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	126.72	45.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	154.59	55.69
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	73.67	20.63
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	88.24	24.75
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	100.51	30.94
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	95.33	24.75
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	92.87	28.87
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	111.73	35.06
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	123.78	43.31
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	113.38	35.06
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	137.94	45.38
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	88.68	22.68
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	101.30	26.82
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	107.55	33.00
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	110.08	30.94
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	110.64	37.13
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	136.81	45.38
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	88.59	22.68
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	102.35	26.82
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	112.51	30.94
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	126.88	37.13
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	112.51	30.94
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	126.88	37.13
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	117.92	33.00
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	131.67	39.19
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	137.00	28.87
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	151.87	35.06
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	140.84	33.00
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	175.71	37.13
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	158.52	41.25
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	155.91	37.13
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	191.33	41.25
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0236	EA		1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	45.23	17.33
26 05 33 16-0237	EA		3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	51.34	20.22
26 05 33 16-0238	EA		1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	57.22	24.54
26 05 33 16-0239	EA		1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	57.11	23.11
26 05 33 16-0240	EA		3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	66.86	27.43
26 05 33 16-0241	EA		1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	81.15	33.21
26 05 33 16-0242	EA		1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	57.39	23.11
26 05 33 16-0243	EA		3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	66.11	27.43
26 05 33 16-0244	EA		1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	78.59	33.21
26 05 33 16-0245	EA		1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	72.72	28.87
26 05 33 16-0246	EA		3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	81.31	34.65
26 05 33 16-0247	EA		1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	94.87	41.87
26 05 33 16-0248			Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249	EA		No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	46.05	17.33
26 05 33 16-0250	EA		1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	44.61	17.33
26 05 33 16-0251	EA		3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	53.30	20.22
26 05 33 16-0252	EA		1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	58.02	24.54
26 05 33 16-0253	EA		1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	58.73	23.11
26 05 33 16-0254	EA		3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	64.74	27.43
26 05 33 16-0255	EA		1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	77.02	33.21
26 05 33 16-0256			Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA		1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	48.55	18.77
26 05 33 16-0258	EA		3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	55.47	21.66
26 05 33 16-0259	EA		1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	60.26	25.98
26 05 33 16-0260	EA		1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	58.20	24.54
26 05 33 16-0261	EA		3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	73.26	28.87
26 05 33 16-0262	EA		1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	86.26	34.65
26 05 33 16-0263	EA		1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	60.12	24.54
26 05 33 16-0264	EA		3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	78.57	28.87
26 05 33 16-0265	EA		1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	82.01	34.65
26 05 33 16-0266	EA		1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	73.23	30.32
26 05 33 16-0267	EA		3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	99.69	36.10
26 05 33 16-0268	EA		1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	97.63	43.31
26 05 33 16-0269			Poke Thru Units (26 05 33 16)		
26 05 33 16-0270			Surface Poke Thru Units (26 05 33 16-0269)		
			Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA		Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	501.47	30.94
26 05 33 16-0272	EA		Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	319.54	
26 05 33 16-0273	EA		20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC37REC.	39.53	8.25
26 05 33 16-0274	EA		Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	53.01	4.12
26 05 33 16-0275	EA		Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	568.94	33.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0276	EA		Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....298.02 Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	298.02	
26 05 33 16-0277	EA		Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit .....69.34 Note: Wiremold RC4REC2.	69.34	12.38
26 05 33 16-0278	EA		Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....53.01 Note: Wiremold RC4APTCKB.	53.01	4.12
26 05 33 16-0279	EA		Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....157.86 Note: Wiremold ABPLUG4.	157.86	8.25
26 05 33 16-0280	EA		Four Jack RC9AMD Communications Poke Thru Unit .....447.73 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	447.73	28.87
26 05 33 16-0281	EA		Abandonment Plate For RC9 Series Communications Poke Thru Unit .....35.71 Note: Wiremold RC9APTCKB.	35.71	4.12
26 05 33 16-0282	EA		Eight Jack AMD8 Communications Poke Thru Unit.....445.54 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	445.54	28.87
26 05 33 16-0283	EA		Communication Conduit Adapter For Poke Thru Units .....51.11 Note: Includes two conduit connections for communication systems. Wiremold COM75.	51.11	4.12
26 05 33 16-0284			Recessed Poke Thru Units (26 05 33 16-0289) Note: Excludes concrete drilling.		
26 05 33 16-0285			Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) .....766.02 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	766.02	33.00
26 05 33 16-0287	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) .....766.12 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	766.12	33.00
26 05 33 16-0288	EA		Recessed Assembly With Surface Style Cover (Wiremold 6ATC).....729.09 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	729.09	33.00
26 05 33 16-0289	EA		Recessed Assembly With Flush Style Cover (Wiremold 6AT) .....729.09 Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	729.09	33.00
26 05 33 16-0290	EA		Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....766.02 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	766.02	33.00
26 05 33 16-0291	EA		Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA).....766.02 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	766.02	33.00
26 05 33 16-0292	EA		Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) .....697.84 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	697.84	33.00
26 05 33 16-0293	EA		Recessed Assembly With Disposable Plate (Wiremold 6STC).....430.85 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	430.85	30.94
26 05 33 16-0294	EA		Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) .....463.51 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	463.51	30.94
26 05 33 16-0295	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) .....466.75 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	466.75	30.94
26 05 33 16-0296	EA		6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) .....127.27 Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	127.27	16.50
26 05 33 16-0297	EA		Surface Style Cover Assembly (Wiremold 6CTC).....312.02 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	312.02	8.25
26 05 33 16-0298	EA		Flush Style Cover Assembly (Wiremold 6CT).....312.02 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	312.02	8.25
26 05 33 16-0299	EA		Furniture Feed Cover Assembly (Wiremold 6CFFTC) .....258.47 Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	258.47	8.25
26 05 33 16-0300	EA		Tile Shim (Wiremold 6TS).....36.82 Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	36.82	2.07

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0301	EA		Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	16.02	4.12
26 05 33 16-0302	EA		Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	18.92	4.12
26 05 33 16-0303	EA		Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	15.93	4.12
26 05 33 16-0304	EA		Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	15.99	4.12
26 05 33 16-0305	EA		Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	15.86	4.12
26 05 33 16-0306	EA		Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	19.22	4.12
26 05 33 16-0307	EA		Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	18.99	4.12
26 05 33 16-0308	EA		Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	19.52	4.12
26 05 33 16-0309	EA		Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	15.59	4.12
26 05 33 16-0310	EA		Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	15.60	4.12
26 05 33 16-0311	EA		Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	15.35	4.12
26 05 33 16-0312	EA		Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	15.35	4.12
26 05 33 16-0313	EA		20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	39.43	6.19
26 05 33 16-0314	EA		Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	13.82	4.12
26 05 33 16-0315	EA		Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	14.24	4.12
26 05 33 16-0316	EA		20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	131.85	7.42
26 05 33 16-0317	EA		Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	18.72	4.12
26 05 33 16-0318	EA		Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	19.63	4.12
26 05 33 16-0319	EA		Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	20.27	4.12
26 05 33 16-0320	EA		Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	29.88	8.25
26 05 33 16-0321	EA		Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	33.67	10.31
26 05 33 16-0322	EA		Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	37.83	10.31
26 05 33 16-0323	EA		Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	28.47	8.25
26 05 33 16-0324	EA		Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	19.47	4.12
26 05 33 16-0325	EA		Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	19.47	4.12
26 05 33 16-0326	EA		Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	20.67	4.12
26 05 33 16-0327	EA		Bottom Housing Assembly (Wiremold 1BHHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	21.48	4.12
26 05 33 16-0328			Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,011.64	33.00
26 05 33 16-0330	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	961.81	33.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0331	EA		Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	952.43	33.00
26 05 33 16-0332	EA		Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	943.54	33.00
26 05 33 16-0333	EA		Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	562.70	30.94
26 05 33 16-0334	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	632.90	30.94
26 05 33 16-0335	EA		8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	154.67	16.50
26 05 33 16-0336	EA		Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	337.88	8.25
26 05 33 16-0337	EA		Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	337.88	8.25
26 05 33 16-0338	EA		Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	58.13	2.07
26 05 33 16-0339	EA		Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	16.64	4.12
26 05 33 16-0340	EA		Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.75	4.12
26 05 33 16-0341	EA		Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.88	4.12
26 05 33 16-0342	EA		Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.99	4.12
26 05 33 16-0343	EA		Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	24.78	4.12
26 05 33 16-0344	EA		Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	24.74	4.12
26 05 33 16-0345	EA		Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	16.06	4.12
26 05 33 16-0346	EA		Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	16.29	4.12
26 05 33 16-0347	EA		Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.06	4.12
26 05 33 16-0348	EA		Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.06	4.12
26 05 33 16-0349	EA		Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.35	4.12
26 05 33 16-0350	EA		Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	19.85	4.12
26 05 33 16-0351	EA		8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	23.29	4.12
26 05 33 16-0352	EA		Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	29.88	8.25

26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)

26 05 33 23-0001			Raceways (26 05 33 23)		
26 05 33 23-0002			Wireway With Screw Cover (26 05 33 23-0001) Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0003			2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0004	LF		2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	19.60 0.60 0.38	3.76
26 05 33 23-0005	EA		2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	15.67 0.22	5.65
26 05 33 23-0006	EA		2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	18.46 0.22	7.05
26 05 33 23-0007	EA		2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	39.19 0.64	13.18
26 05 33 23-0008	EA		2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover..... For Combination Hinged Screw Cover, Add	64.75 1.92	13.18

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0009	EA	2-1/2" x 2-1/2"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	96.08 2.93	18.75
26 05 33 23-0010	EA	2-1/2" x 2-1/2"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	107.91 3.32	20.71
26 05 33 23-0011			4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF	4" x 4"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	23.99 0.73 0.47	4.75
26 05 33 23-0013	LF	4" x 4"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	43.82 1.72 0.47	4.75
26 05 33 23-0014	EA	4" x 4"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	12.85 0.23	4.15
26 05 33 23-0015	EA	4" x 4"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	20.39 0.23	7.91
26 05 33 23-0016	EA	4" x 4"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	46.17 0.70	16.12
26 05 33 23-0017	EA	4" x 4"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	74.27 2.10	16.12
26 05 33 23-0018	EA	4" x 4"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	105.57 3.18	20.94
26 05 33 23-0019	EA	4" x 4"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	121.89 3.65	24.48
26 05 33 23-0020			6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF	6" x 6"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	36.13 1.24 0.57	5.65
26 05 33 23-0022	LF	6" x 6"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	70.89 2.98 0.57	5.65
26 05 33 23-0023	EA	6" x 6"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	16.38 0.37	4.52
26 05 33 23-0024	EA	6" x 6"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	26.18 0.37	9.42
26 05 33 23-0025	EA	6" x 6"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	65.99 1.43	18.75
26 05 33 23-0026	EA	6" x 6"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	95.67 2.91	18.75
26 05 33 23-0027	EA	6" x 6"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	151.43 5.23	23.43
26 05 33 23-0028	EA	6" x 6"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	163.81 5.48	27.11
26 05 33 23-0029			8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF	8" x 8"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	58.83 2.33 0.62	6.17
26 05 33 23-0031	LF	8" x 8"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	108.35 4.80 0.62	6.17
26 05 33 23-0032	EA	8" x 8"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	18.06 0.41	4.90
26 05 33 23-0033	EA	8" x 8"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	28.61 0.41	10.17
26 05 33 23-0034	EA	8" x 8"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	73.69 1.62	20.64
26 05 33 23-0035	EA	8" x 8"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	121.88 4.03	20.64
26 05 33 23-0036	EA	8" x 8"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	182.61 6.59	25.46
26 05 33 23-0037	EA	8" x 8"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	255.77 9.70	30.88
26 05 33 23-0038			10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF	10" x 10"	NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	85.73 3.57 0.72	7.16
26 05 33 23-0040	LF	10" x 10"	NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	152.74 6.92 0.72	7.16
26 05 33 23-0041	EA	10" x 10"	End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	25.50 0.71	5.65
26 05 33 23-0042	EA	10" x 10"	Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	36.79 0.71	11.29
26 05 33 23-0043	EA	10" x 10"	Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	99.20 2.71	22.44
26 05 33 23-0044	EA	10" x 10"	Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	194.82 7.50	22.44
26 05 33 23-0045	EA	10" x 10"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	295.67 11.95	28.32
26 05 33 23-0046	EA	10" x 10"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	423.30 17.96	32.01

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0047	12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	100.64	8.66
	<i>For Combination Hinged Screw Cover, Add</i>	4.17	
	<i>For Concrete Or Masonry Surface, Add</i>	0.87	
26 05 33 23-0049	LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	167.97	8.66
	<i>For Combination Hinged Screw Cover, Add</i>	7.53	
	<i>For Concrete Or Masonry Surface, Add</i>	0.87	
26 05 33 23-0050	EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover.....	33.75	6.02
	<i>For Combination Hinged Screw Cover, Add</i>	1.09	
26 05 33 23-0051	EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	45.80	12.05
	<i>For Combination Hinged Screw Cover, Add</i>	1.09	
26 05 33 23-0052	EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	131.01	24.48
	<i>For Combination Hinged Screw Cover, Add</i>	4.10	
26 05 33 23-0053	EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover.....	257.63	24.48
	<i>For Combination Hinged Screw Cover, Add</i>	10.43	
26 05 33 23-0054	EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	332.51	30.12
	<i>For Combination Hinged Screw Cover, Add</i>	13.61	
26 05 33 23-0055	EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover.....	544.48	33.89
	<i>For Combination Hinged Screw Cover, Add</i>	23.84	

26 05 33 23-0056 **Surface Metal Raceways** (26 05 33 23-0001)
 Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0057 **One Piece Surface Metal Raceways** (26 05 33 23-0056)
 Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0058 **3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)** (26 05 33 23-0057)
 Note: Available in ivory.

26 05 33 23-0059	LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500).....	3.56	1.13
	<i>For Concrete Or Masonry Surface, Add</i>	0.11	
26 05 33 23-0060	EA Bushing (Wiremold #502).....	3.32	1.51
26 05 33 23-0061	EA One Or Two Hole Strap (Wiremold #504).....	3.36	1.51
26 05 33 23-0062	EA Connection Cover (Wiremold #506).....	3.51	1.51
26 05 33 23-0063	EA Flat 90 Degree Elbow (Wiremold #511).....	5.53	1.81
26 05 33 23-0064	EA Flat 45 Degree Elbow (Wiremold #512).....	9.67	1.89
26 05 33 23-0065	EA Adjustable Internal Elbow (Wiremold #517).....	6.90	2.26
26 05 33 23-0066	EA Adjustable External Elbow (Wiremold #518).....	6.72	2.26

26 05 33 23-0067 **3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)** (26 05 33 23-0057)
 Note: Available in ivory and white.

26 05 33 23-0068	LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	4.47	1.51
	<i>For Concrete Or Masonry Surface, Add</i>	0.15	
26 05 33 23-0069	EA Bushing (Wiremold #702).....	3.43	1.51
26 05 33 23-0070	EA One Or Two Hole Strap (Wiremold #704).....	3.55	1.51
26 05 33 23-0071	EA Connection Cover (Wiremold #706).....	3.58	1.51
26 05 33 23-0072	EA Flat 90 Degree Elbow (Wiremold #711).....	8.01	3.01
26 05 33 23-0073	EA Flat 45 Degree Elbow (Wiremold #712).....	13.31	3.01
26 05 33 23-0074	EA Adjustable Internal Elbow (Wiremold #717).....	8.74	3.01
26 05 33 23-0075	EA Adjustable External Elbow (Wiremold #718).....	8.41	3.01

26 05 33 23-0076 **One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)** (26 05 33 23-0057)
 Note: Available in ivory.

26 05 33 23-0077	EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	26.66	2.26
26 05 33 23-0078	EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	3.53	1.51
26 05 33 23-0079	EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	3.53	1.51
26 05 33 23-0080	EA Ground Clamp (Wiremold #5709).....	11.11	2.26
26 05 33 23-0081	EA Grounding Connector (Wiremold #5709GC).....	9.24	2.26
26 05 33 23-0082	EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	10.30	3.01
26 05 33 23-0083	EA Tee (Wiremold #5715).....	11.44	3.76
26 05 33 23-0084	EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	21.34	3.01
26 05 33 23-0085	EA Utility Box For #500 Or #700 (Wiremold #57242).....	16.14	3.01
26 05 33 23-0086	EA 2-3/8" Diameter, Blank Cover (Wiremold #5731).....	8.56	1.89
26 05 33 23-0087	EA 3" Diameter, Outlet Box (Wiremold #5733).....	20.27	3.01
26 05 33 23-0088	EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	20.18	3.01
26 05 33 23-0089	EA 4-3/8" Blank Cover (Wiremold #5736).....	9.12	1.89
26 05 33 23-0090	EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	18.23	3.01
26 05 33 23-0091	EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	17.54	3.01
26 05 33 23-0092	EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	17.71	3.01
26 05 33 23-0093	EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	17.71	3.01
26 05 33 23-0094	EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	20.18	3.01
26 05 33 23-0095	EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	19.92	3.01
26 05 33 23-0096	EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	21.35	3.01
26 05 33 23-0097	EA Standard Switch Box For #500, Or #700 (Wiremold #57240).....	23.45	4.90
26 05 33 23-0098	EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	36.42	9.42
26 05 33 23-0099	EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	17.21	4.90
26 05 33 23-0100	EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	28.47	4.90
26 05 33 23-0101	EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	32.94	4.90

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	51.10	4.90
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	25.91	4.15
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	29.13	4.15
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	47.81	4.15
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	18.06	4.90
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	15.62	4.90
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	22.84	4.90
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	46.46	4.90
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	16.85	4.90
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	24.30	4.90
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	45.10	4.90
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	67.97	4.90
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	113.46	4.90
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	115.49	4.90
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	16.61	4.90
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	16.09	4.90
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	22.11	4.90
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	45.55	4.90
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	17.57	4.90
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	23.38	4.90
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	34.62	4.90
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	11.95	1.89
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	11.34	1.89
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	7.26	1.89
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	14.28	2.26
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	7.34	1.89
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	18.14	2.26
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	16.15	2.26
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	8.54	2.26
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	14.92	2.26
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	7.46	1.89
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	6.68	1.51

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	6.56	1.89
		<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	3.94	1.51
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	4.62	1.89
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	5.17	2.26
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	20.73	7.16
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	21.52	7.16
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	23.37	7.16
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	23.22	7.16
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	21.66	4.90
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	22.40	4.90
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	43.98	9.42
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	23.13	4.90
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	28.77	4.90
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	28.19	4.90
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	13.67	2.26

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05

33 23-0057)

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	11.15	3.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	4.06	1.51
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	4.65	1.51
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	18.33	2.64
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	27.55	3.76
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	26.50	4.52

26 05 33 23-0157 Two Piece Surface Metal Raceways (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-

0157)

26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	6.63	1.89
		<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	3.00	1.51
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	7.70	1.89
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	4.13	1.13
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	3.77	1.13
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	10.59	1.89
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	19.49	5.65
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	34.97	7.53
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	4.86	1.89
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	16.71	4.90

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes items like Tee (Wiremold #2015), Internal Corner Coupling, Single Gang Device Box, 2-Gang device Box, Flush Plate Adapter, Side Reducing Connector, and various Raceway and Boxes for Electrical Systems.

26 Electrical
26 05 Common Work Results for Electrical
26 05 33 Raceway and Boxes for Electrical Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0244	EA		15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	38.76	9.79
26 05 33 23-0245	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	49.04	7.16
26 05 33 23-0246	EA		Duplex Receptacle Cover (Wiremold #3046BE)	14.06	2.26
26 05 33 23-0247	EA		Tap Off Fitting (Wiremold #3046H-2)	14.76	1.89
26 05 33 23-0248	EA		1-1/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	58.83	4.52
26 05 33 23-0249	EA		2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	144.94	4.52
26 05 33 23-0250	EA		1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	51.11	4.52
26 05 33 23-0251	EA		1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	55.38	4.52
26 05 33 23-0252	EA		1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	55.38	4.52
26 05 33 23-0253	EA		Rectangular Receptacle Cover (Wiremold #3048R)	17.44	2.26
26 05 33 23-0254			4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255	LF		4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	12.77	3.39
			<i>For Concrete Or Masonry Surface, Add</i>	0.36	
26 05 33 23-0256	LF		Raceway Cover (Wiremold #4000C)	4.68	0.38
26 05 33 23-0257	LF		Divider (Wiremold #4000D)	2.21	0.38
26 05 33 23-0258	EA		Wire Clips For Conductors (Wiremold #4000WC)	4.98	1.89
26 05 33 23-0259	EA		Couplings (Wiremold #4001A)	12.81	2.26
26 05 33 23-0260	EA		Divider Clip (Wiremold #4001D)	5.82	2.26
26 05 33 23-0261	EA		Seam Clip (Wiremold #4006)	5.93	2.26
26 05 33 23-0262	EA		Single Device Fitting (Wiremold #4007C-1R)	26.59	4.90
26 05 33 23-0263	EA		Blank End Fittings (Wiremold #4010B)	13.80	3.01
26 05 33 23-0264	EA		Entrance End Fitting (Wiremold #4010DFO)	53.01	11.59
26 05 33 23-0265	EA		Flat 90 Degree Elbow (Wiremold #4011)	49.74	9.42
26 05 33 23-0266	EA		Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	59.33	9.42
26 05 33 23-0267	EA		Internal Or External 45 Degree Elbow (Wiremold #4012TX)	53.69	11.67
26 05 33 23-0268	EA		Wall Box Connector (Wiremold #4014A)	72.87	11.67
26 05 33 23-0269	EA		Tee Fitting (Wiremold #4015)	81.29	11.67
26 05 33 23-0270	EA		Divided Tee Fitting (Wiremold #4015D)	84.67	11.67
26 05 33 23-0271	EA		Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	101.87	11.67
26 05 33 23-0272	EA		Radiused Tee Fitting (Wiremold #4015FO)	102.20	11.67
26 05 33 23-0273	EA		Internal Elbow (Wiremold #4017)	42.89	11.67
26 05 33 23-0274	EA		Internal Elbow (Wiremold #4017FO)	79.80	11.67
26 05 33 23-0275	EA		Inverted Internal Elbow (Wiremold #4017N)	47.97	11.67
26 05 33 23-0276	EA		Internal Corner Coupling (Wiremold #4017TCA)	40.21	11.67
26 05 33 23-0277	EA		External Elbow (Wiremold #4018)	65.95	11.67
26 05 33 23-0278	EA		Radiused External Elbow (Wiremold #4018FO)	77.16	11.67
26 05 33 23-0279	EA		Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	66.96	4.90
26 05 33 23-0280	EA		Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	71.11	4.90
26 05 33 23-0281	EA		Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	71.11	4.90
26 05 33 23-0282	EA		Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	95.64	4.90
26 05 33 23-0283	EA		Tap-Off Fitting (Wiremold #4046H-2)	18.74	4.90
26 05 33 23-0284	EA		Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	61.69	2.26
26 05 33 23-0285	EA		Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	72.82	4.90
26 05 33 23-0286	EA		1 Gang Device Plate (Wiremold #G4047C-1)	18.97	4.90
26 05 33 23-0287	EA		2 Gang Device Plate (Wiremold #G4047C-2)	22.36	4.90
26 05 33 23-0288	EA		Device Mounting Bracket (Wiremold #4050)	21.70	3.76
26 05 33 23-0289	EA		#4000 To #3000 Take-off Connector (Wiremold #4074A)	103.50	11.67
26 05 33 23-0290	EA		Bridge Fitting (Wiremold #4075D)	92.87	11.67
26 05 33 23-0291	EA		Bridge Fitting (Wiremold #4075DA)	92.87	11.67
26 05 33 23-0292	EA		Panel Connector (Wiremold #4086A)	70.29	22.21
26 05 33 23-0293	EA		Reducing Connector Fitting (Wiremold #4089)	43.95	11.67
26 05 33 23-0294			4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295	LF		4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	19.02	4.15
			<i>For Concrete Or Masonry Surface, Add</i>	0.41	
26 05 33 23-0296	LF		Raceway Cover (Wiremold #6000C)	5.56	1.13
26 05 33 23-0297	LF		Divider (Wiremold #6000DA)	5.93	1.13
26 05 33 23-0298	EA		Wire Clips For Conductors (Wiremold #6000WC)	5.82	1.89
26 05 33 23-0299	EA		Couplings (Wiremold #6001A)	15.55	3.76
26 05 33 23-0300	EA		Divider Clip (Wiremold #6001D)	7.27	1.89
26 05 33 23-0301	EA		Converter Coupling (Wiremold #6001TX)	20.25	4.90
26 05 33 23-0302	EA		Connection Cover (Wiremold #6006)	19.14	4.90
26 05 33 23-0303	EA		Single Gang Device Plate (Wiremold #6007C-1)	20.15	4.90
26 05 33 23-0304	EA		Two Gang Device Plate (Wiremold #6007C-2)	22.22	4.90
26 05 33 23-0305	EA		C-Hanger (Wiremold #6008A)	32.27	7.16
26 05 33 23-0306	EA		Blank End Fittings (Wiremold #6010B)	33.58	11.29
26 05 33 23-0307	EA		Combination Flat Elbow (Wiremold #6011TX)	66.43	11.29
26 05 33 23-0308	EA		Internal-External 45 Degree Elbow (Wiremold #6012TX)	67.77	10.84
26 05 33 23-0309	EA		Connector Fitting (Wiremold #6014A)	98.02	11.67
26 05 33 23-0310	EA		Combination Internal-External Elbow (Wiremold #6017TX)	68.45	12.81
26 05 33 23-0311	EA		Circuit Breaker Housing (Wiremold #6046KD)	122.49	12.81
26 05 33 23-0312	EA		#6000 To #6000 Take-off Connector (Wiremold #6074)	118.56	11.29
26 05 33 23-0313	EA		#6000 To #4000 Take-off Connector (Wiremold #6074A)	128.59	11.29
26 05 33 23-0314	EA		Panel Connector (Wiremold #6086)	71.32	26.21
26 05 33 23-0315			Two Piece Surface Aluminum Raceways <small>(26 05 33 23-0056)</small>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0316	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0317	LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	8.46	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0318	LF Aluminum Raceway Cover (Wiremold #AL2000C)	4.48	0.38
26 05 33 23-0319	EA Wire Clip (Wiremold #AL2000WC)	4.01	1.51
26 05 33 23-0320	EA Coupling (Wiremold #AL2001)	8.43	1.89
26 05 33 23-0321	EA Supporting Clip (Wiremold #AL2003)	4.37	1.13
26 05 33 23-0322	EA Cover Clip (Wiremold #AL2006)	5.69	1.13
26 05 33 23-0323	EA Ground Clamp (Wiremold #AL2009)	8.02	1.89
26 05 33 23-0324	EA Entrance End Fitting (Wiremold #AL2010A)	22.24	5.65
26 05 33 23-0325	EA Blank End Fitting (Wiremold #AL2010B)	7.16	1.89
26 05 33 23-0326	EA Flat 90 Degree Elbow (Wiremold #AL2011)	26.53	4.90
26 05 33 23-0327	EA Tee (Wiremold #AL2015)	35.76	7.08
26 05 33 23-0328	EA Internal Corner Elbow (Wiremold #AL2017)	24.33	3.76
26 05 33 23-0329	EA External Corner Elbow (Wiremold #AL2018)	24.28	3.76
26 05 33 23-0330	EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	39.08	7.46
26 05 33 23-0331	EA 4-13/16" Round Fixture Box (Wiremold #AL2038)	95.39	6.70
26 05 33 23-0332	EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	40.69	6.70
26 05 33 23-0333	EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	87.25	7.46
26 05 33 23-0334	EA Single Gang Shallow Device Box (Wiremold #AL2047)	42.25	6.70
26 05 33 23-0335	EA 2-Gang Shallow Device Box (Wiremold #AL2047-2)	76.73	7.46
26 05 33 23-0336	EA Flush Plate Adapter (Wiremold #AL2051H)	30.92	7.46

26 05 33 23-0337	2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0338	LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	9.48	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0339	LF Aluminum Raceway Cover (Wiremold #AL2400C)	4.55	0.38
26 05 33 23-0340	EA Wire Clip (Wiremold #AL2400WC)	5.61	1.51
26 05 33 23-0341	EA Coupling (Wiremold #AL2401)	9.95	1.89
26 05 33 23-0342	EA Cover Clip (Wiremold #AL2406)	7.44	1.13
26 05 33 23-0343	EA Ground Clamp (Wiremold #AL2409)	6.49	1.51
26 05 33 23-0344	EA Blank End (Wiremold #AL2410B)	7.95	1.89
26 05 33 23-0345	EA End Fitting (Wiremold #AL2410B2)	16.37	5.65
26 05 33 23-0346	EA Flat 90 Degree Elbow (Wiremold #AL2411)	31.78	5.65
26 05 33 23-0347	EA Tee (Wiremold #AL2415)	34.89	5.57
26 05 33 23-0348	EA Fourway Fitting (Wiremold #AL2416)	41.39	5.57
26 05 33 23-0349	EA Internal Coupling (Wiremold #AL2417)	31.67	5.57
26 05 33 23-0350	EA External Coupling (Wiremold #AL2418)	34.29	5.57
26 05 33 23-0351	EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	28.11	5.65

26 05 33 23-0352	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353	LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	16.01	3.39
	<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0354	LF Aluminum Raceway Cover (Wiremold #AL3300CE)	4.94	0.38
26 05 33 23-0355	LF Raceway Divider (Wiremold #AL3300D)	4.05	3.39
26 05 33 23-0356	EA Wire Clips For Conductors (Wiremold #AL3300WC)	7.77	1.51
26 05 33 23-0357	EA Couplings (Wiremold #AL3301)	13.66	1.51
26 05 33 23-0358	EA Divider Coupling (Wiremold #AL3301D)	11.70	1.89
26 05 33 23-0359	EA Ground Clamp (Wiremold #AL3309)	7.78	1.51
26 05 33 23-0360	EA Blank End Fittings (Wiremold #AL3310B)	16.22	3.01
26 05 33 23-0361	EA End Fitting (Wiremold #AL3310B1)	25.55	7.16
26 05 33 23-0362	EA Flat 90 Degree Elbow (Wiremold #AL3311)	82.21	9.33
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA Tee Fitting (Wiremold #AL3315)	93.95	11.67
	Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA Cross Fitting (Wiremold #AL3316)	106.81	11.67
	Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA Internal Elbow (Wiremold #AL3317)	77.61	7.16
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA External Elbow (Wiremold #AL3318)	77.69	7.16
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA Duplex Receptacle Cover (Wiremold #AL3346D)	16.98	2.26
26 05 33 23-0368	EA Single Receptacle Cover (Wiremold #AL3346E)	16.86	2.26
26 05 33 23-0369	EA GFCI/ Surge Receptacle Cover (Wiremold #AL3346G)	16.68	2.26
26 05 33 23-0370	EA Single Device Cover Plate (Wiremold #AL3356R)	16.82	1.89

26 05 33 23-0371	5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	20.94	3.39
	<i>For Concrete Or Masonry Surface, Add</i>	0.36	
26 05 33 23-0373	LF Aluminum Raceway Cover (Wiremold #AL5200C)	9.03	0.38
26 05 33 23-0374	LF Divider (Wiremold #AL5200D)	5.23	0.38
26 05 33 23-0375	EA Wire Clips For Conductors (Wiremold #AL5200WC)	6.97	1.89
26 05 33 23-0376	EA Wire Clips For Conductors (Wiremold #AL5200WC2)	5.75	1.89
26 05 33 23-0377	EA Wire Clips For Conductors (Wiremold #AL5200WC3)	5.71	1.89
26 05 33 23-0378	EA Couplings (Wiremold #AL5201)	12.99	2.26
26 05 33 23-0379	EA Cover Clip (Wiremold #AL5206)	11.91	2.26
26 05 33 23-0380	EA Ground Adapter (Wiremold #AL5209)	14.52	2.26
26 05 33 23-0381	EA Blank End Fittings (Wiremold #AL5210B)	15.63	3.01

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1).....	16.89	3.01
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2).....	17.17	3.01
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3).....	16.60	3.01
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiremold #AL5211).....	90.11	9.42
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	68.59	11.67
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215).....	105.10	11.67
		Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216).....	115.90	11.67
		Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217)	92.52	11.67
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A).....	35.65	11.67
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N).....	95.27	11.67
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218)	93.38	11.67
		Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B).....	20.15	2.26
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D).....	24.10	2.26
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	28.83	2.26
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F).....	26.96	2.26
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G).....	24.80	2.26
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	22.36	4.90

26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)

(26 05 33 23-0315)

26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	17.03	3.39
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806).....	8.03	2.26
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	14.29	3.01
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1).....	15.41	3.01
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811).....	80.34	9.42
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815).....	82.45	11.67
		Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817)	80.33	11.67
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N)	95.02	11.67
		Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818).....	81.42	11.67
		Note: Includes two (2) ALA01 couplings.		

26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)

(26 05 33 23-0315)

26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	29.25	3.39
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806).....	12.32	2.26
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	16.10	3.01
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2).....	18.10	3.01
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811).....	109.93	9.42
		Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815).....	151.06	11.67
		Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817)	100.14	11.67
		Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N)	118.90	11.67
		Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818).....	105.42	11.67
		Note: Includes four (4) ALA01 couplings.		

26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)

(26 05 33 23-0315)

See CSI section 26 27 26 00-0010 for receptacles.

26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)	6.33	0.38
		Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	5.48	1.89
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01).....	13.45	2.26
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	11.24	2.26
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	30.50	9.42
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	36.17	11.67
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	34.46	9.42
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	15.19	2.26
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	16.27	2.26
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	16.99	2.26
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	17.87	2.26
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	16.42	2.26
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	17.01	2.26
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N).....	17.47	2.26
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	22.73	2.26
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB).....	21.29	2.26
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT).....	24.72	2.26
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	17.02	2.26
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	23.84	2.26
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	21.72	2.26
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	17.43	2.26
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	21.92	2.26

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 23-0442	Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0443	One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0444	7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445	LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC) 5.20		1.51
	<i>For Concrete Or Masonry Surface, Add</i> 0.15		
26 05 33 23-0446	EA Wire Clip (Wiremold #400WC)..... 3.47		1.51
26 05 33 23-0447	EA Cover Clip (Wiremold #406)..... 3.77		1.51
26 05 33 23-0448	EA Blank End Clip (Wiremold #410B)..... 7.10		3.01
26 05 33 23-0449	EA Flat 90 Degree Elbow (Wiremold #411)..... 8.93		3.01
26 05 33 23-0450	EA Tee (Wiremold #415)..... 11.27		3.76
26 05 33 23-0451	EA Internal Elbow (Wiremold #417)..... 8.69		3.01
26 05 33 23-0452	EA External Elbow (Wiremold #418)..... 8.69		3.01
26 05 33 23-0453	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454	LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC) 5.55		1.51
	<i>For Concrete Or Masonry Surface, Add</i> 0.15		
26 05 33 23-0455	EA Wire Clip (Wiremold #800WC)..... 3.43		1.51
26 05 33 23-0456	EA Cover Clip (Wiremold #806)..... 3.53		1.51
26 05 33 23-0457	EA Entrance End Fitting (Wiremold #810A2)..... 11.66		3.01
26 05 33 23-0458	EA Blank End Fitting (Wiremold #810B)..... 6.93		3.01
26 05 33 23-0459	EA Flat 90 Degree Elbow (Wiremold #811)..... 8.30		3.01
26 05 33 23-0460	EA Tee (Wiremold #815)..... 10.45		3.76
26 05 33 23-0461	EA Internal Elbow (Wiremold #817)..... 8.10		3.01
26 05 33 23-0462	EA External Elbow (Wiremold #818)..... 8.10		3.01
26 05 33 23-0463	EA End Reducer, #800 To #400 (Wiremold #889A)..... 9.39		3.01
26 05 33 23-0464	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC) 6.53		1.51
	<i>For Concrete Or Masonry Surface, Add</i> 0.15		
26 05 33 23-0466	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)..... 7.01		1.51
	<i>For Concrete Or Masonry Surface, Add</i> 0.15		
26 05 33 23-0467	EA Wire Clip (Wiremold #2300WC)..... 3.64		1.51
26 05 33 23-0468	EA Cover Clip (Wiremold #2306)..... 3.89		1.51
26 05 33 23-0469	EA Entrance End Fitting (Wiremold #2310A)..... 12.81		3.01
26 05 33 23-0470	EA Blank End Fitting (Wiremold #2310B)..... 7.40		3.01
26 05 33 23-0471	EA Divided Entrance End Fitting (Wiremold #2310DFO)..... 14.66		3.01
26 05 33 23-0472	EA Flat 90 Degree Elbow (Wiremold #2311)..... 8.49		3.01
26 05 33 23-0473	EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO)..... 9.27		3.01
26 05 33 23-0474	EA Tee (Wiremold #2315)..... 10.55		3.76
26 05 33 23-0475	EA Internal Elbow (Wiremold #2317)..... 8.49		3.01
26 05 33 23-0476	EA Divided Internal Elbow (Wiremold #2317DFO)..... 9.28		3.01
26 05 33 23-0477	EA External Elbow (Wiremold #2318)..... 8.51		3.01
26 05 33 23-0478	EA Divided External Elbow (Wiremold #2318DFO)..... 9.42		3.01
26 05 33 23-0479	EA End Reducer, #2300 To #400 (Wiremold #2389)..... 9.43		3.01
26 05 33 23-0480	EA End Reducer, #2300 To #800 (Wiremold #2389A)..... 9.93		3.01
26 05 33 23-0481	One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482	EA Blank Cover, 4-1/2" Diameter (Wiremold #2336)..... 10.97		2.64
26 05 33 23-0483	EA Extension Box, 5-1/2" Diameter (Wiremold #2337A)..... 18.85		3.01
26 05 33 23-0484	EA -A Fixture Box, 5-1/2" Diameter (Wiremold #233)..... 18.97		3.01
26 05 33 23-0485	EA Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)..... 16.92		3.01
26 05 33 23-0486	EA Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)..... 19.93		3.01
26 05 33 23-0487	EA Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)..... 18.62		3.01
26 05 33 23-0488	EA Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)..... 20.39		3.01
26 05 33 23-0489	EA 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)..... 15.66		4.90
26 05 33 23-0490	EA 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)..... 18.30		4.90
26 05 33 23-0491	EA 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)..... 16.43		4.90
26 05 33 23-0492	EA 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)..... 20.41		4.90
26 05 33 23-0493	EA 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)..... 25.04		4.90
26 05 33 23-0494	EA 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)..... 23.57		4.90
26 05 33 23-0495	EA 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)..... 21.04		4.90
26 05 33 23-0496	EA Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)..... 15.26		4.90
26 05 33 23-0497	3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700) 4.47		1.51
	<i>For Concrete Or Masonry Surface, Add</i> 0.15		
26 05 33 23-0499	EA 3/4" Wire Clip (Wiremold #2700WC)..... 1.82		0.75
26 05 33 23-0500	EA Cover Clip (Wiremold #2706)..... 3.06		0.75
26 05 33 23-0501	EA Blank End (Wiremold #2710B)..... 4.55		1.51

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711).....	5.34	1.89
26 05 33 23-0503	EA	Tee (Wiremold #2715).....	8.37	3.39
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717).....	6.10	2.26
26 05 33 23-0505	EA	External Elbow (Wiremold #2718).....	6.08	2.26
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786).....	7.21	2.64
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	5.64	1.89
		<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC).....	2.66	1.13
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806).....	3.78	1.13
26 05 33 23-0511	EA	Blank End (Wiremold #2810B).....	5.28	1.89
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811).....	6.86	2.64
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	7.41	2.64
26 05 33 23-0514	EA	Tee (Wiremold #2815).....	9.87	4.15
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817).....	7.59	3.01
26 05 33 23-0516	EA	External Elbow (Wiremold #2818).....	7.61	3.01
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO).....	10.61	4.15
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO).....	8.26	3.01
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO).....	8.16	3.01
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886).....	8.58	3.39
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889).....	7.74	3.01
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	6.87	2.26
		<i>For Concrete Or Masonry Surface, Add</i>	0.23	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC).....	3.51	1.51
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906).....	4.64	1.51
26 05 33 23-0526	EA	Blank End (Wiremold #2910B).....	6.15	2.26
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911).....	7.66	3.01
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	8.53	3.01
26 05 33 23-0529	EA	Tee (Wiremold #2915).....	10.67	4.52
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO).....	11.56	4.52
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	8.42	3.39
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	9.32	3.39
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	8.41	3.39
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO).....	9.57	3.39
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986).....	8.56	3.39
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989).....	9.52	3.76
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A).....	9.22	3.76
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways (26 05 33 23-0442)		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0539		5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) (26 05 33 23-0538)		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	10.90	3.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C).....	10.27	3.39
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA).....	20.94	3.39
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW).....	16.72	3.39
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.51	0.38
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	6.86	0.38
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.18	0.38
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001).....	9.70	3.76
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004).....	5.56	1.89
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005).....	7.57	2.26
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006).....	10.59	3.76
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A).....	9.78	3.76
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C).....	11.45	3.76
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1).....	20.37	7.53
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2).....	21.23	7.53
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010).....	17.39	7.16
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A).....	35.02	11.67
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B).....	23.59	9.42
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C).....	21.79	7.53
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG).....	14.66	5.65
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B).....	23.53	9.42
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C).....	22.02	7.53
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG).....	9.55	3.76
26 05 33 23-0563		5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) (26 05 33 23-0538)		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	11.81	3.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C).....	4.44	0.38
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC).....	2.80	0.38
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	4.30	1.89
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A).....	7.65	2.26
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T).....	6.29	2.26

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	5.53	2.26
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	44.09	11.67
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	20.94	7.16
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	42.16	11.67
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	38.95	9.42
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	44.57	11.67
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	46.91	11.67
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO).....	36.01	11.67
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	36.59	11.67
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	37.13	11.67
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450).....	18.24	3.76
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	24.61	3.76
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	13.53	3.76
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474).....	38.22	11.67

26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) (26 05 33 23-0538)

26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	15.22	3.39
		<i>For Concrete Or Masonry Surface, Add</i>	0.34	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	5.93	0.38
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	5.16	1.89
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506).....	8.76	2.26
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B).....	5.90	2.26
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD).....	8.09	2.26
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	8.13	2.26
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D).....	8.18	2.26
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	8.18	2.26
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R).....	8.08	2.26
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ).....	8.11	2.26
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S).....	8.03	2.26
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	8.06	2.26
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1).....	8.13	2.26
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2).....	7.94	2.26
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550).....	22.28	3.76
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	30.57	3.76
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	23.08	7.16
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D).....	48.98	11.67
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	45.27	9.42
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	35.47	9.42
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	51.73	11.67
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO).....	40.38	11.67
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	41.51	11.67
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	43.91	11.67
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574).....	39.23	11.67
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	54.74	11.67

26 05 39 Underfloor Raceways for Electrical Systems (26 05)

26 05 39 00-0001		Underfloor Ducts <small>(26 05 39)</small>		
26 05 39 00-0002		Straight Duct Sections 10' Long, 14 Gauge Steel <small>(26 05 39 00-0001)</small>		
26 05 39 00-0003		Standard Ducts, 3.8 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	75.60	14.52
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	95.54	17.00
26 05 39 00-0006		Large Capacity Ducts, 8.9 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	127.58	18.40
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	146.33	20.38
26 05 39 00-0009		Junction Boxes <small>(26 05 39 00-0001)</small>		
26 05 39 00-0010		One Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	194.25	28.87
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	220.40	30.94
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box	360.34	28.87
		<i>Note: Isolate each duct and form a continuous raceway through the box in both directions.</i>		
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	242.07	30.94
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	386.54	40.67
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	545.95	44.22
26 05 39 00-0017		Two Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	842.40	29.20
		<i>Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.</i>		
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	969.99	30.94
26 05 39 00-0020		Elbow Fittings <small>(26 05 39 00-0001)</small>		

26 Electrical**26 05 Common Work Results for Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0021			90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022	EA		Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	95.84	10.64
26 05 39 00-0023	EA		Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	98.82	10.64
26 05 39 00-0024			90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA		Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	52.52	10.64
26 05 39 00-0026	EA		Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	53.71	10.64
26 05 39 00-0027			Offset Elbow (26 05 39 00-0020)		
			Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA		Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	52.52	12.38
26 05 39 00-0029	EA		Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	53.71	12.38
26 05 39 00-0030			Couplings (26 05 39 00-0001)		
26 05 39 00-0031			Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA		Underfloor Standard Duct Sleeve Coupling	32.68	16.50
26 05 39 00-0033	EA		Underfloor Large Duct Sleeve Coupling.....	50.49	16.50
26 05 39 00-0034			Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA		Underfloor Standard Duct Expansion Coupling	74.74	16.50
26 05 39 00-0036	EA		Underfloor Large Duct Expansion Coupling.....	76.22	17.41
26 05 39 00-0037			Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA		Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	76.07	2.48
26 05 39 00-0039			Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040			Combination Support And Coupling (26 05 39 00-0039)		
			Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA		1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	74.75	34.65
26 05 39 00-0042	EA		2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	83.19	34.65
26 05 39 00-0043	EA		3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	91.69	34.65
26 05 39 00-0044	EA		1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	83.19	38.78
26 05 39 00-0045	EA		2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	100.38	38.78
26 05 39 00-0046	EA		1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	91.69	41.25
26 05 39 00-0047	EA		2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	91.69	41.25
26 05 39 00-0048	EA		1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	100.38	41.25
26 05 39 00-0049			Duct Support Only (26 05 39 00-0039)		
			Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA		1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	67.66	30.53
26 05 39 00-0051	EA		2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	79.64	30.53
26 05 39 00-0052	EA		3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	92.62	30.53
26 05 39 00-0053			Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054			Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA		Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	24.12	2.48
26 05 39 00-0056	EA		Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	24.55	2.48
26 05 39 00-0057			Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA		One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	28.53	4.12
26 05 39 00-0059	EA		Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	30.29	4.12
26 05 39 00-0060	EA		One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	29.39	4.12
26 05 39 00-0061	EA		Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	30.26	4.12
26 05 39 00-0062			Holder And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA		Tile Holder, Underfloor Duct Accessories	182.02	34.65
26 05 39 00-0064	EA		Terrazzo Holder, Underfloor Duct Accessories.....	353.66	34.65
26 05 39 00-0065	EA		Closing Caps For Inserts, Underfloor Duct Accessories	2.33	0.82
26 05 39 00-0066			Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA		Underfloor Dust Carpet Pan.....	81.20	4.52

26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)**26 05 43 00-0001 Duct Bank** (26 05 43)

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching,

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002

Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	30.05
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	60.14
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	62.72
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	125.82
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	92.49
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	185.75
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	278.65
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	178.43
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	356.11
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	545.79
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	253.09
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	508.11
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	757.61

26 05 43 00-0016

Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.50
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.04
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.16
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.29
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.55
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.57
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.81
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	19.64
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	39.33
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	58.97
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	12.50
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	24.98
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	48.44
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	68.88
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.97
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	33.94
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	68.02
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	109.57

26 05 43 00-0035

Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.12
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.32
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.54
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	7.59
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.17
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.24
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.08
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.19
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	40.42
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	60.60
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.91
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.80
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	50.08
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	71.35
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.54
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	35.12
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	70.38
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	113.11

26 05 43 00-0054

Male Or Female Adapters (26 05 43 00-0001)

26 05 43 00-0055	EA	2" Adapter.....	30.12
26 05 43 00-0056	EA	3" Adapter	45.74
26 05 43 00-0057	EA	4" Adapter	59.93
26 05 43 00-0058	EA	5" Adapter	98.86
26 05 43 00-0059	EA	6" Adapter	120.65

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	762.54	226.33
		<i>For Class 1 Pole, Add</i>	<i>108.43</i>	
		<i>For Class 2 Pole, Add</i>	<i>61.96</i>	
		<i>For Class 4 Pole, Deduct</i>	<i>-30.98</i>	
		<i>For Class 5 Pole, Deduct</i>	<i>-92.94</i>	
		<i>For Class 6 Pole, Deduct</i>	<i>-123.92</i>	

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004	EA	30'	Treated Wood Pole, Class 3, Machine Dig And Set.....	922.88	251.10
			For Class 1 Pole, Add	147.22	
			For Class 2 Pole, Add	84.13	
			For Class 4 Pole, Deduct	-42.06	
			For Class 5 Pole, Deduct	-126.19	
			For Class 6 Pole, Deduct	-168.26	
26 05 46 00-0005	EA	35'	Treated Wood Pole, Class 3, Machine Dig And Set.....	1,193.06	332.10
			For Class 1 Pole, Add	185.13	
			For Class 2 Pole, Add	105.79	
			For Class 4 Pole, Deduct	-52.89	
			For Class 5 Pole, Deduct	-158.68	
			For Class 6 Pole, Deduct	-211.58	
26 05 46 00-0006	EA	40'	Treated Wood Pole, Class 3, Machine Dig And Set.....	1,372.82	365.28
			For Class 1 Pole, Add	224.80	
			For Class 2 Pole, Add	128.46	
			For Class 4 Pole, Deduct	-64.23	
			For Class 5 Pole, Deduct	-192.69	
			For Class 6 Pole, Deduct	-256.92	
26 05 46 00-0007	EA	45'	Treated Wood Pole, Class 3, Machine Dig And Set.....	1,574.43	406.84
			For Class 1 Pole, Add	266.23	
			For Class 2 Pole, Add	152.13	
			For Class 4 Pole, Deduct	-76.07	
			For Class 5 Pole, Deduct	-228.20	
			For Class 6 Pole, Deduct	-304.27	
26 05 46 00-0008	EA	50'	Treated Wood Pole, Class 3, Machine Dig And Set.....	1,794.73	456.60
			For Class 1 Pole, Add	308.55	
			For Class 2 Pole, Add	176.31	
			For Class 4 Pole, Deduct	-88.16	
			For Class 5 Pole, Deduct	-264.47	
			For Class 6 Pole, Deduct	-352.63	
26 05 46 00-0009	EA	55'	Treated Wood Pole, Class 3, Machine Dig And Set.....	2,011.99	502.21
			For Class 1 Pole, Add	352.63	
			For Class 2 Pole, Add	201.50	
			For Class 4 Pole, Deduct	-100.75	
			For Class 5 Pole, Deduct	-302.25	
			For Class 6 Pole, Deduct	-403.00	
26 05 46 00-0010	EA	60'	Treated Wood Pole, Class 3, Machine Dig And Set.....	2,253.14	552.25
			For Class 1 Pole, Add	402.00	
			For Class 2 Pole, Add	229.71	
			For Class 4 Pole, Deduct	-114.86	
			For Class 5 Pole, Deduct	-344.57	
			For Class 6 Pole, Deduct	-459.42	
26 05 46 00-0011	EA	65'	Treated Wood Pole, Class 3, Machine Dig And Set.....	3,850.36	601.92
			For Class 1 Pole, Add	926.27	
			For Class 2 Pole, Add	529.30	
			For Class 4 Pole, Deduct	-264.65	
			For Class 5 Pole, Deduct	-793.95	
			For Class 6 Pole, Deduct	-1,058.60	
26 05 46 00-0012	EA	70'	Treated Wood Pole, Class 3, Machine Dig And Set.....	4,239.28	640.30
			For Class 1 Pole, Add	1,035.53	
			For Class 2 Pole, Add	591.73	
			For Class 4 Pole, Deduct	-295.87	
			For Class 5 Pole, Deduct	-887.60	
			For Class 6 Pole, Deduct	-1,183.47	
26 05 46 00-0013	EA	75'	Treated Wood Pole, Class 3, Machine Dig And Set.....	4,670.59	683.88
			For Class 1 Pole, Add	1,155.98	
			For Class 2 Pole, Add	660.56	
			For Class 4 Pole, Deduct	-330.28	
			For Class 5 Pole, Deduct	-990.84	
			For Class 6 Pole, Deduct	-1,321.12	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	19.28	
26 05 46 00-0016			Crossarms (26 05 46)		
			Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	174.05	67.50
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	209.51	67.50
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	219.47	86.79
26 05 46 00-0021			Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	445.17	188.04
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	474.88	188.04
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	493.47	188.04
26 05 46 00-0025			Fiberglass Crossarms (26 05 46 00-0016)		
			Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	180.27	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	228.63	40.50
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	238.27	43.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0030			Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	285.36	52.07
26 05 46 00-0032			Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	469.45	66.54
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	556.43	81.00
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	81.64	11.58
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket	408.22	57.86
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	322.07	96.43
26 05 46 00-0038			Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>		
			Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	96.72	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	78.98	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	228.22	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	154.47	
26 05 46 00-0044			Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>		
			Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	68.82	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	60.39	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting	209.63	
26 05 46 00-0048			Guying <small>(26 05 46)</small>		
			Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049			Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole.....	670.09	270.00
26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole.....	682.42	270.00
26 05 46 00-0052	EA		Down Guy For 65' To 75' Pole.....	707.78	270.00
26 05 46 00-0053	EA		Guy Guard, Plastic.....	27.51	
26 05 46 00-0054			Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055	EA		Head Guy (50' Span), For 25' To 40' Pole	964.52	414.65
26 05 46 00-0056	EA		Head Guy (50' Span), For 45' To 60' Pole	964.52	414.65
26 05 46 00-0057	EA		Head Guy (50' Span), For 65' To 75' Pole	964.52	414.65
26 05 46 00-0058			Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>		
			Note: As required at same material cost and labor.		
26 05 46 00-0059	EA		Guy Strain Insulator	409.57	202.51
26 05 46 00-0060			Insulators <small>(26 05 46)</small>		
26 05 46 00-0061			Pin Insulator With Pin <small>(26 05 46 00-0060)</small>		
26 05 46 00-0062	EA		5 KV Class 55-3, Pin Insulator With Pin.....	134.06	57.86
26 05 46 00-0063	EA		15 KV Class 55-5, Pin Insulator With Pin.....	140.54	57.86
26 05 46 00-0064			Suspension Insulator <small>(26 05 46 00-0060)</small>		
			Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	174.25	77.14
26 05 46 00-0066	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	191.88	77.14
26 05 46 00-0067	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	277.13	96.43
26 05 46 00-0068	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	450.04	154.29
26 05 46 00-0069			Spool Insulator With Clevis <small>(26 05 46 00-0060)</small>		
26 05 46 00-0070	EA		5 KV Class 53-5, Spool Insulator With Clevis	58.02	24.11
26 05 46 00-0071	EA		15 KV Class, Spool Insulator With Clevis	188.69	86.79
26 05 46 00-0072	EA		25 KV Class, Spool Insulator With Clevis	243.97	86.79
26 05 46 00-0073			Secondary Rack <small>(26 05 46 00-0060)</small>		
26 05 46 00-0074	EA		1 Spool Secondary Rack	114.78	48.22
26 05 46 00-0075	EA		2 Spool Secondary Rack	120.48	61.52
26 05 46 00-0076	EA		3 Spool Secondary Rack	180.05	81.97
26 05 46 00-0077	EA		4 Spool Secondary Rack	201.32	81.97
26 05 46 00-0078			Outdoor Load Break Switches <small>(26 05 46)</small>		
			Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079			7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0080	EA		600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,826.15	327.86
26 05 46 00-0081	EA		1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,575.25	327.86

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0082	EA		1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,290.19	554.48
26 05 46 00-0083	EA		2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,489.58	554.48
26 05 46 00-0084			14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0085	EA		600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,696.88	327.86
26 05 46 00-0086	EA		1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,972.65	327.86
26 05 46 00-0087	EA		1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,290.19	554.48
26 05 46 00-0088	EA		2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,489.58	554.48
26 05 46 00-0089			23 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0090	EA		600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,172.97	380.90
26 05 46 00-0091	EA		1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,812.97	380.90
26 05 46 00-0092	EA		1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,772.49	655.72
26 05 46 00-0093	EA		2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,978.42	655.72
26 05 46 00-0094			Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0095			Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0096	EA		20', Steel Taped Shaft Distribution Pole.....	2,550.54	409.83
26 05 46 00-0097	EA		25', Steel Taped Shaft Distribution Pole.....	2,851.95	433.93
26 05 46 00-0098	EA		30', Steel Taped Shaft Distribution Pole.....	3,093.70	482.15
26 05 46 00-0099	EA		35', Steel Taped Shaft Distribution Pole.....	3,423.53	530.37
26 05 46 00-0100	EA		40', Steel Taped Shaft Distribution Pole.....	4,650.19	578.58
26 05 46 00-0101			Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102	EA		30', Prestressed Concrete Square Pole For Distribution.....	4,052.09	716.15
26 05 46 00-0103	EA		35', Prestressed Concrete Square Pole For Distribution.....	4,600.77	785.46
26 05 46 00-0104	EA		40', Prestressed Concrete Square Pole For Distribution.....	5,416.45	877.86
26 05 46 00-0105	EA		45', Prestressed Concrete Square Pole For Distribution.....	6,108.17	970.27
26 05 46 00-0106	EA		50', Prestressed Concrete Square Pole For Distribution.....	4,995.92	1,178.18
26 05 46 00-0107	EA		55', Prestressed Concrete Square Pole For Distribution.....	8,620.48	1,386.10
26 05 46 00-0108	EA		60', Prestressed Concrete Square Pole For Distribution.....	10,193.46	1,570.91
26 05 46 00-0109	EA		65', Prestressed Concrete Square Pole For Distribution.....	12,289.46	1,940.54
26 05 46 00-0110	EA		70', Prestressed Concrete Square Pole For Distribution.....	13,779.28	2,125.35
26 05 46 00-0111			Aluminum Tapered Poles <small>(26 05 46)</small>		
26 05 46 00-0112			Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113	EA		20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,282.63	361.61
26 05 46 00-0114	EA		25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,177.73	385.72
26 05 46 00-0115	EA		30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,653.45	433.93
26 05 46 00-0116	EA		35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,329.99	482.15
26 05 46 00-0117	EA		40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,531.14	530.37
26 05 46 00-0118			Steel Service Poles Distribution <small>(26 05 46)</small>		
			Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119			Round Tapered Pole <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120	EA		40', Galvanized Steel Tapered Round Pole For Distribution.....	3,205.55	578.58
26 05 46 00-0121	EA		45', Galvanized Steel Tapered Round Pole For Distribution.....	3,715.12	626.80
26 05 46 00-0122	EA		50', Galvanized Steel Tapered Round Pole For Distribution.....	3,959.80	675.02
26 05 46 00-0123	EA		55', Galvanized Steel Tapered Round Pole For Distribution.....	4,658.45	771.44
26 05 46 00-0124	EA		60', Galvanized Steel Tapered Round Pole For Distribution.....	5,743.20	867.87
26 05 46 00-0125	EA		65', Galvanized Steel Tapered Round Pole For Distribution.....	6,767.63	1,085.78
26 05 46 00-0126	EA		70', Galvanized Steel Tapered Round Pole For Distribution.....	7,538.09	1,231.77
26 05 46 00-0127	EA		75', Galvanized Steel Tapered Round Pole For Distribution.....	8,334.88	1,386.10
26 05 46 00-0128	EA		80', Galvanized Steel Tapered Round Pole For Distribution.....	9,358.18	1,570.91
26 05 46 00-0129	EA		85', Galvanized Steel Tapered Round Pole For Distribution.....	9,998.45	1,663.32
26 05 46 00-0130	EA		90', Galvanized Steel Tapered Round Pole For Distribution.....	10,858.32	1,848.13
26 05 46 00-0131	EA		95', Galvanized Steel Tapered Round Pole For Distribution.....	11,948.68	2,079.14
26 05 46 00-0132	EA		100', Galvanized Steel Tapered Round Pole For Distribution.....	13,203.02	2,356.37
26 05 46 00-0133			12 Sided Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134	EA		40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,401.21	578.58
26 05 46 00-0135	EA		45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,958.35	626.80
26 05 46 00-0136	EA		50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,594.70	675.02
26 05 46 00-0137	EA		55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,251.76	771.44
26 05 46 00-0138	EA		60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,606.49	867.87
26 05 46 00-0139	EA		65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,654.67	1,085.78
26 05 46 00-0140	EA		70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,339.01	1,231.77
26 05 46 00-0141	EA		75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,287.12	1,386.10
26 05 46 00-0142	EA		80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,304.21	1,570.91
26 05 46 00-0143	EA		85', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,155.47	1,663.32
26 05 46 00-0144	EA		90', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,199.21	1,848.13
26 05 46 00-0145	EA		95', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,271.81	2,079.14
26 05 46 00-0146	EA		100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,567.65	2,356.37
26 05 46 00-0147	EA		105', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,951.13	2,633.59

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)							
	26 05 46 00-0149	EA		Ladder Clips.....	18.52		
	26 05 46 00-0150	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	138.94		
	26 05 46 00-0151	EA		Ground Sleeve-2' At Ground Line.....	139.75		
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)							
	26 05 46 00-0153	EA		4' Arm With Baseplate And Endplate.....	551.49	96.43	
	26 05 46 00-0154	EA		5' Arm With Baseplate And Endplate.....	600.11	96.43	
	26 05 46 00-0155	EA		6' Arm With Baseplate And Endplate.....	745.93	144.65	
	26 05 46 00-0156	EA		7' Arm With Baseplate And Endplate.....	788.46	144.65	
	26 05 46 00-0157	EA		8' Arm With Baseplate And Endplate.....	932.79	192.86	
	26 05 46 00-0158	EA		9' Arm With Baseplate And Endplate.....	981.39	192.86	
	26 05 46 00-0159	EA		10' Arm With Baseplate And Endplate.....	1,302.75	241.08	
	26 05 46 00-0160	EA		11' Arm With Baseplate And Endplate.....	1,357.31	241.08	
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)							
	26 05 46 00-0162	EA		15,000 LB Standard Vangs Load Bearing At Any Angle.....	232.96	96.43	
	26 05 46 00-0163	EA		30,000 LB Standard Vangs Load Bearing At Any Angle.....	262.75	96.43	
	26 05 46 00-0164	EA		45,000 LB Standard Vangs Load Bearing At Any Angle.....	303.49	96.43	
26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)							
26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)							
	26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	237.82	96.43	
	26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	256.63	96.43	
	26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	287.19	96.43	
	26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	403.58	144.65	
	26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	421.42	144.65	
26 05 46 00-0172 Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)							
	26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	223.17	96.43	
	26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	262.70	96.43	
	26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	384.43	144.65	
	26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	477.72	144.65	
	26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	613.05	192.86	
	26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	662.56	192.86	
26 05 46 00-0179 Pole Top Bracket And Pins (26 05 46 00-0165)							
	26 05 46 00-0180	EA		Pole Top Pin - 5".....	228.91	96.43	
	26 05 46 00-0181	EA		Pole Top Bracket - 5".....	238.51	96.43	
26 05 46 00-0182 Angle Pins (26 05 46 00-0165)							
	26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6".....	227.61	96.43	
	26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4".....	258.78	96.43	
26 05 46 00-0185 Static And Neutral Wire Brackets (26 05 46 00-0165)							
	26 05 46 00-0186	EA		Neutral Wire Extension Bracket.....	243.11	96.43	
	26 05 46 00-0187	EA		Static Wire Support Bracket.....	246.71	96.43	
26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)							
	26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket.....	220.42	96.43	
	26 05 46 00-0190	EA		Equipment Mounting T Bracket.....	238.46	96.43	
	26 05 46 00-0191	EA		15 KV Cutout.....	321.02		
	26 05 46 00-0192	EA		9/10 KV Arrestor.....	295.65	96.43	
26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)							
	26 05 46 00-0194	EA		Parallel Cable Spacer.....	268.97	96.43	
	26 05 46 00-0195	EA		Conduit Standoff Support Bracket.....	257.47	96.43	
	26 05 46 00-0196	EA		Three Transformer Pole Mounted Cluster Bracket.....	656.19	96.43	
26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)							
	Note: Includes pole mounting bracket.						
	26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,600.11	241.08	
26 05 46 00-0199 Octagonal Tapered (26 05 46 00-0118)							
	26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,564.40	578.58	
	26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,139.35	626.80	
	26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,796.47	675.02	
	26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,471.34	819.65	
	26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,909.14	867.87	

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205	EA		65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,981.07	1,085.78
26 05 46 00-0206	EA		70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,718.81	1,155.08
26 05 46 00-0207	EA		75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,692.14	1,386.10
26 05 46 00-0208	EA		80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,732.96	1,478.50
26 05 46 00-0209	EA		85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,609.45	1,663.32
26 05 46 00-0210	EA		90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,716.98	1,755.72
26 05 46 00-0211	EA		95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,816.29	2,079.14
26 05 46 00-0212	EA		100', Galvanized Steel Tapered Octagonal Pole For Distribution	20,138.84	2,217.76
26 05 46 00-0213	EA		105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,551.99	2,494.98
26 05 46 00-0214			Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)		
26 05 46 00-0215	LF		Removal And Relocation Of Steel Service Poles With Arms Up To 60'	33.75	
26 05 46 00-0216			Special Steel Bases For Poles (26 05 46 00-0118)		
26 05 46 00-0217	EA		Spin-In Steel Base For Poles.....	195.17	
26 05 46 00-0218	EA		Series 3, 25' Pole And less	216.00	48.22
26 05 46 00-0219	EA		Series 4, 40' Pole And less	257.05	55.44
26 05 46 00-0220	EA		Series 5, 50' Pole And less	293.26	60.27
26 05 46 00-0221			Primary Fuse Cutouts (26 05 46)		
			Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222			Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
			Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223			8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0224	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	500.64	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0225	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	597.07	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.65	
26 05 46 00-0226	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	693.18	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.48	
26 05 46 00-0227	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	704.23	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.58	
26 05 46 00-0228	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	704.23	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.58	
26 05 46 00-0229			17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0230	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	500.64	192.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0231			17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0232	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	515.13	192.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0233			Fuseholders (26 05 46 00-0222)		
			Note: Including current limiting fuse.		
26 05 46 00-0234	EA		15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	439.56	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0235	EA		25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	535.99	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.65	
26 05 46 00-0236	EA		40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	632.10	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.48	
26 05 46 00-0237	EA		100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	444.57	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0238	EA		200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	541.00	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.65	
26 05 46 00-0239	EA		15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	439.56	192.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0240			Accessories (26 05 46 00-0222)		
26 05 46 00-0241	EA		Hot Line Clamp	63.17	21.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.47	
26 05 46 00-0242	EA		Stirrup	67.78	21.70
26 05 46 00-0243			Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
			Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244			8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	613.49	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.72	
26 05 46 00-0246	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	709.92	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.65	
26 05 46 00-0247	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	806.03	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.48	
26 05 46 00-0248	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	827.59	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.58	
26 05 46 00-0249	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	827.59	241.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.58	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0250	17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0243)</small>			
26 05 46 00-0251	EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....		613.49	192.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		115.72	
26 05 46 00-0252	17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0243)</small>			
26 05 46 00-0253	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....		613.49	192.86
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		115.72	
26 05 46 00-0254	Fuseholders <small>(26 05 46 00-0243)</small>			
	Note: Includes current limiting fuses.			
26 05 46 00-0255	EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting		444.73	241.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		115.72	
26 05 46 00-0256	EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting		541.16	241.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		144.65	
26 05 46 00-0257	EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting		637.27	241.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		173.48	
26 05 46 00-0258	EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting		444.73	241.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		115.72	
26 05 46 00-0259	Pole Mounted Capacitors <small>(26 05 46 00-0243)</small>			
26 05 46 00-0260	EA Capacitors - Pole Mounted 6 KVAR.....		1,032.01	194.41
26 05 46 00-0261	Pole Structure Assemblies <small>(26 05 46 00-0221)</small>			
26 05 46 00-0262	5 KV Pole Structure Assemblies <small>(26 05 46 00-0261)</small>			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 05 46 00-0263	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		386.67	183.21
26 05 46 00-0264	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		647.07	308.58
26 05 46 00-0265	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		686.79	241.08
26 05 46 00-0266	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		384.35	125.36
26 05 46 00-0267	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		495.55	173.57
26 05 46 00-0268	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		887.57	347.14
26 05 46 00-0269	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		690.02	260.36
26 05 46 00-0270	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,285.70	520.73
26 05 46 00-0271	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,457.31	588.22
26 05 46 00-0272	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		783.20	289.29
26 05 46 00-0273	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		692.62	308.58
26 05 46 00-0274	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,323.41	626.80
26 05 46 00-0275	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		962.79	376.08
26 05 46 00-0276	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		616.47	270.00
26 05 46 00-0277	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,181.55	549.65
26 05 46 00-0278	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		883.29	279.65
26 05 46 00-0279	15 KV Pole Structure Assemblies <small>(26 05 46 00-0261)</small>			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 05 46 00-0280	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		401.16	183.21
26 05 46 00-0281	EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		667.78	308.58
26 05 46 00-0282	EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		757.19	241.08
26 05 46 00-0283	EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		409.20	125.36
26 05 46 00-0284	EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		530.74	163.93
26 05 46 00-0285	EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		957.97	347.14
26 05 46 00-0286	EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		741.79	260.36
26 05 46 00-0287	EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,391.30	520.73
26 05 46 00-0288	EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,600.19	588.22
26 05 46 00-0289	EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		853.60	289.29
26 05 46 00-0290	EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		719.54	308.58
26 05 46 00-0291	EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,350.33	626.80
26 05 46 00-0292	EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,016.63	376.08
26 05 46 00-0293	EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		643.39	260.36
26 05 46 00-0294	EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,208.47	549.65
26 05 46 00-0295	EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		937.13	337.50
26 05 46 00-0296	25 KV Pole Structure Assemblies <small>(26 05 46 00-0261)</small>			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 05 46 00-0297	EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,100.00	289.29
26 05 46 00-0298	EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		659.07	144.65
26 05 46 00-0299	EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		958.73	221.79
26 05 46 00-0300	EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,335.16	453.22
26 05 46 00-0301	EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,228.24	337.50
26 05 46 00-0302	EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		2,042.60	665.36
26 05 46 00-0303	EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,999.12	752.16
26 05 46 00-0304	EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,368.29	438.76
26 05 46 00-0305	EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,205.03	438.76
26 05 46 00-0306	50 KV Pole Structure Assemblies <small>(26 05 46 00-0261)</small>			
	Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.			
26 05 46 00-0307	EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....		1,478.12	395.36

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 46 00-0308	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	797.12	202.51
26 05 46 00-0309	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,042.50	318.22
26 05 46 00-0310	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,977.32	646.08
26 05 46 00-0311	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,510.94	482.15
26 05 46 00-0312	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,920.42	964.30
26 05 46 00-0313	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,422.52	1,070.38
26 05 46 00-0314	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,732.95	520.73
26 05 46 00-0315	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,783.08	602.69
26 05 46 00-0316	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,712.17	568.94

26 05 46 00-0317 Overhead To Underground Conversion Structures (26 05 46 00-0221)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 05 46 00-0318 5 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0319	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,769.17	1,928.60
26 05 46 00-0320	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,769.17	1,928.60
26 05 46 00-0321	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,769.17	1,928.60
26 05 46 00-0322	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,769.17	1,928.60

26 05 46 00-0323 15 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0324	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,866.60	1,928.60
26 05 46 00-0325	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,866.60	1,928.60
26 05 46 00-0326	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,866.60	1,928.60
26 05 46 00-0327	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,866.60	1,928.60

26 05 46 00-0328 25 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0329	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,972.88	1,928.60
26 05 46 00-0330	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,972.88	1,928.60
26 05 46 00-0331	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,972.88	1,928.60
26 05 46 00-0332	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	3,972.88	1,928.60

26 05 46 00-0333 Transformer Stations (26 05 46 00-0221)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.

26 05 46 00-0334 5 KV Station (26 05 46 00-0333)

26 05 46 00-0335	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	5,168.05	2,570.11
26 05 46 00-0336	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	5,800.76	2,892.33
26 05 46 00-0337	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,433.48	3,214.34
26 05 46 00-0338	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	6,433.48	3,214.34
26 05 46 00-0339	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	5,168.05	2,570.11

26 05 46 00-0340 15 KV Stations (26 05 46 00-0333)

26 05 46 00-0341	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	5,265.47	2,570.11
26 05 46 00-0342	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	5,898.19	2,892.33
26 05 46 00-0343	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	6,530.91	3,214.34
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	6,530.91	3,214.34
26 05 46 00-0345	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	5,265.47	2,570.11

26 05 46 00-0346 25 KV Stations (26 05 46 00-0333)

26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	5,371.76	2,570.11
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	6,004.48	2,892.33
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	6,637.19	3,214.34
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	6,637.19	3,214.34
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	5,371.76	2,570.11

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	11.46	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	11.87	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	12.71	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	12.87	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.03	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	13.28	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.81	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	17.14	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.39	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	17.65	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	18.16	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	18.72	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	19.20	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	19.69	

26 Electrical
26 05 Common Work Results for Electrical
26 05 83 Wiring Connections

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	142.04	68.06
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	160.84	99.00
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	176.70	82.51
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	192.54	111.38
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	216.22	115.51
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	247.56	123.75
 26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)				
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	76.49	33.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	84.69	33.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.64	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	116.91	49.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.50	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	132.14	49.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.73	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	158.65	61.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.50	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	222.66	82.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.56	
 26 05 83 00-0074 Terminal Blocks (26 05 83)				
Note: Labor excludes wire termination.				
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	764.32	305.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	183.34	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	221.53	41.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.05	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	247.10	41.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.32	
 26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)				
26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	29.93	14.93
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	32.25	14.93
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	33.88	14.93
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	38.98	17.16
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	47.83	21.45
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	55.89	25.49
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	65.34	29.87
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	78.71	36.22
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	93.30	42.98
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	106.76	49.09
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	114.68	52.88
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	125.08	57.26
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	136.83	62.53
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	137.25	62.53
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	29.93	14.93
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	32.25	14.93
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	33.88	14.93
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	38.98	17.16
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	47.83	21.45
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	55.89	25.49
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	65.34	29.87
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	78.71	36.22
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	93.30	42.98
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	106.76	49.09
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	114.68	52.88
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	125.08	57.26
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	136.83	62.53
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	137.25	62.53
 26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)				
26 05 83 00-0108	EA	#8 Copper Mechanical Lugs.....	23.37	10.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs.....	28.05	12.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.47	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs.....	32.40	14.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs.....	42.39	18.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.05	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs.....	57.08	24.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs.....	68.02	28.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.25	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs.....	79.50	33.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.80	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs.....	90.48	37.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs.....	103.56	41.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.75	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs.....	116.44	45.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0070 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,325.54 49.50	82.51
26 09 23 00-0071 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,567.15 79.20	132.01
26 09 23 00-0072 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,620.20 103.96	173.25
26 09 23 00-0073 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,066.66 136.13	226.89
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00- 0061)		
26 09 23 00-0075 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,221.92 49.50	82.51
26 09 23 00-0076 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,379.68 54.45	90.75
26 09 23 00-0077 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,211.33 89.10	148.50
26 09 23 00-0078 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,392.53 113.85	189.76
26 09 23 00-0079 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,226.45 148.51	247.50
26 09 23 00-0080 Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,411.49 54.45	90.75
26 09 23 00-0085 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,209.99 87.12	145.20
26 09 23 00-0086 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,615.42 114.35	190.58
26 09 23 00-0087 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,705.52 149.74	249.57
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,636.10 54.45	90.75
26 09 23 00-0091 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,097.31 87.12	145.20
26 09 23 00-0092 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,908.82 114.35	190.58
26 09 23 00-0093 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,918.38 149.74	249.57
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,551.30 54.45	90.75
26 09 23 00-0098 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,693.92 87.12	145.20
26 09 23 00-0099 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,073.81 114.35	190.58
26 09 23 00-0100 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,008.09 149.74	249.57
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		

Table header: MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0101)

Table rows for 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors with various amperage and switch specifications.

26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket (26 09 23)

Table rows for Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket.

26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) (26 09 23)

Table rows for Dimming Module System (Lutron Grafik Eye) with different wattage and voltage specifications.

26 09 23 00-0114 Dimming Module Contol (Leviton) (26 09 23)

Table rows for Dimming Module Contol (Leviton).

26 09 23 00-0116 Light Control Panels (26 09 23)

26 09 23 00-0117 Lighting Control Panels (Watt Stopper) (26 09 23 00-0116)

26 09 23 00-0118 Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)

Table rows for Lighting Control Panels (Watt Stopper) with various relay and mounting configurations.

26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0117)

Table rows for Accessories For Lighting Control Panels (Watt Stopper).

26 09 23 00-0133 Lighting Control Panels (Synergy) (26 09 23 00-0116)

26 09 23 00-0134 Lighting Control Panels (Synergy) (26 09 23 00-0133)

Table rows for Lighting Control Panels (Synergy).

26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0133)

Table rows for Accessories For Lighting Control Panels (Synergy).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0289 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0290	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	354.41	12.41
26 09 23 00-0291	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	421.16	12.41
26 09 23 00-0292	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	581.35	12.41
26 09 23 00-0293	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	354.41	12.41
26 09 23 00-0294	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	461.21	12.41
26 09 23 00-0295	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	581.35	12.41
26 09 23 00-0296 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0297	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	461.21	12.41
26 09 23 00-0298	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	581.35	12.41
26 09 23 00-0299	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	581.35	12.41
26 09 23 00-0300 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0301	EA		One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	354.41	12.41
26 09 23 00-0302	EA		Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	461.21	12.41
26 09 23 00-0303	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	421.16	12.41
26 09 23 00-0304	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	514.60	12.41
26 09 23 00-0305	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	461.21	12.41
26 09 23 00-0306	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	554.65	12.41
26 09 23 00-0307	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	461.21	12.41
26 09 23 00-0308 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0309	EA		One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	354.41	12.41
26 09 23 00-0310	EA		Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	461.21	12.41
26 09 23 00-0311	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	461.21	12.41
26 09 23 00-0312	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	581.35	12.41
26 09 23 00-0313	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	461.21	12.41
26 09 23 00-0314	EA		One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	581.35	12.41
26 09 23 00-0315 Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0316	EA		Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	354.41	12.41
26 09 23 00-0317	EA		Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	461.21	12.41
26 09 23 00-0318	EA		Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C2C4-WH)	581.35	12.41
26 09 23 00-0319 Accessories For Tabletop Wireless Transmitter (26 09 23 00-0284)					
26 09 23 00-0320	EA		Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	74.08	12.41
26 09 23 00-0321 Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0283)					
26 09 23 00-0322	EA		On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	327.71	12.41
26 09 23 00-0323	EA		Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	354.41	12.41
26 09 23 00-0324	EA		Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	354.41	12.41
26 09 23 00-0325	EA		Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	354.41	12.41
26 09 23 00-0326	EA		Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	354.41	12.41
26 09 23 00-0327	EA		Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	354.41	12.41
26 09 23 00-0328 Interfaces For Radio Controlled Devices (26 09 23 00-0283)					
26 09 23 00-0329	EA		Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	327.71	12.41
26 09 23 00-0330	EA		Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	327.71	12.41
26 09 23 00-0331	EA		Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	327.71	12.41
26 09 23 00-0332	EA		Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	666.79	12.41

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0333	EA		RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	955.13	12.41
26 09 23 00-0334	EA		Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	955.13	12.41
26 09 23 00-0335			Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0336	EA		On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	421.16	12.41
26 09 23 00-0337	EA		Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	474.56	12.41
26 09 23 00-0338	EA		Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	554.65	12.41
26 09 23 00-0339			AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0283)		
26 09 23 00-0340	EA		Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	621.40	12.41
26 09 23 00-0341	EA		Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	855.01	12.41
26 09 23 00-0342			Removal And Reinstallation Of Occupancy Sensors (26 09 23)		
26 09 23 00-0343	EA		Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor	55.82	
			Note: Includes storing and cleaning.		
26 09 23 00-0344	EA		Removal And Reinstallation Of Wall Mounted Occupancy Sensor	37.22	
			Note: Includes storing and cleaning.		
26 09 23 00-0345			Occupancy Sensors (Watt Stopper) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0346			Occupancy Sensors (26 09 23 00-0345)		
			Note: Exclude boxes.		
26 09 23 00-0347			Wall Switch Mounted Occupancy Sensors (26 09 23 00-0346)		
26 09 23 00-0348			Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0347)		
26 09 23 00-0349	EA		Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	104.14	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0350	EA		Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	123.53	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0351			Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0347)		
26 09 23 00-0352	EA		Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	85.38	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0353	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	79.50	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0354	EA		Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	90.48	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0355	EA		Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	105.31	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0356	EA		Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	104.09	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0357			Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0347)		
26 09 23 00-0358	EA		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	153.07	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0359	EA		Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	165.34	8.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.96	
26 09 23 00-0360			Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0347)		
26 09 23 00-0361	EA		Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.30	2.07
26 09 23 00-0362	EA		One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.28	2.07
26 09 23 00-0363	EA		Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.28	2.07
26 09 23 00-0364			Ceiling Mounted Occupancy Sensors (26 09 23 00-0346)		
26 09 23 00-0365			Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0364)		
26 09 23 00-0366			25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0365)		
26 09 23 00-0367	EA		500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	134.32	18.60
26 09 23 00-0368	EA		1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	155.42	18.60
26 09 23 00-0369	EA		2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	176.67	18.60
26 09 23 00-0370	EA		90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	174.75	18.60
26 09 23 00-0371			32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0365)		
26 09 23 00-0372	EA		600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	146.81	18.60
26 09 23 00-0373	EA		1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	168.21	18.60
26 09 23 00-0374	EA		2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	188.47	18.60
26 09 23 00-0375	EA		90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	191.90	18.60
26 09 23 00-0376	EA		600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	159.60	18.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0377	EA		1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	181.53	18.60
26 09 23 00-0378	EA		2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	203.38	18.60
26 09 23 00-0379	EA		90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	209.67	18.60
26 09 23 00-0380			40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0385)</small>		
26 09 23 00-0381	EA		500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	152.99	18.60
26 09 23 00-0382	EA		1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	178.56	18.60
26 09 23 00-0383	EA		2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	199.96	18.60
26 09 23 00-0384	EA		500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	143.57	18.60
26 09 23 00-0385	EA		1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	175.79	18.60
26 09 23 00-0386	EA		2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	186.23	18.60
26 09 23 00-0387	EA		500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	154.32	18.60
26 09 23 00-0388	EA		1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	172.87	18.60
26 09 23 00-0389	EA		2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	195.78	18.60
26 09 23 00-0390			Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0394)</small>		
26 09 23 00-0391	EA		30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	109.69	18.60
26 09 23 00-0392	EA		HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	112.18	18.60
26 09 23 00-0393	EA		Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	118.09	18.60
26 09 23 00-0394	EA		Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	133.92	18.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0395	EA		Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	135.84	18.60
26 09 23 00-0396	EA		Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	144.13	18.60
26 09 23 00-0397	EA		Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	157.39	18.60
26 09 23 00-0398			Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0394)</small>		
26 09 23 00-0399	EA		1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	188.29	18.60
26 09 23 00-0400	EA		1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	216.35	18.60
26 09 23 00-0401	EA		1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	182.34	18.60
26 09 23 00-0402			Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0346)</small>		
26 09 23 00-0403			Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0402)</small>		
26 09 23 00-0404	EA		120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	233.16	18.60
26 09 23 00-0405	EA		2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	233.16	18.60
26 09 23 00-0406			Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0402)</small>		
26 09 23 00-0407	EA		2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	216.35	18.60
26 09 23 00-0408			Occupancy Sensor Power Packs <small>(26 09 23 00-0345)</small>		
26 09 23 00-0409			Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0408)</small>		
26 09 23 00-0410	EA		220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	72.31	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0411	EA		347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	65.18	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0412			Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0408)</small>		
26 09 23 00-0413	EA		120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	59.31	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0414			Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0408)</small>		
26 09 23 00-0415	EA		120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	80.80	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0416			Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0408)</small>		
26 09 23 00-0417	EA		120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	72.63	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0418	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	72.69		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0419		Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0408)			
26 09 23 00-0420	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	93.28		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0421	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	94.70		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0422		Occupancy Sensor Power Supplies (26 09 23 00-0408)			
26 09 23 00-0423	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150).....	88.35		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0424	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	197.70		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0425		Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0408)			
26 09 23 00-0426	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	263.93		16.54
26 09 23 00-0427		DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0408)			
26 09 23 00-0428	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	79.99		16.54
26 09 23 00-0429		Occupancy Sensor Accessories (26 09 23 00-0345)			
26 09 23 00-0430		Protective Cages For Occupancy Sensors (26 09 23 00-0429)			
26 09 23 00-0431	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	47.40		6.20
26 09 23 00-0432		Mounting Brackets For Occupancy Sensors (26 09 23 00-0429)			
26 09 23 00-0433	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	34.65		10.34
		Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.			
26 09 23 00-0434		Occupancy/Lighting Logger (26 09 23 00-0429)			
		Note: Logs when a space is occupied/vacant and when lighting is on/off.			
26 09 23 00-0435	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	356.64		35.15
26 09 23 00-0436		Digital Time Light Switches (26 09 23 00-0345)			
26 09 23 00-0437	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	76.72		8.27
26 09 23 00-0438		Occupancy Sensors (Sensor Switch) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0439		Occupancy Sensors (Sensor Switch) (26 09 23 00-0438)			
		Note: Exclude boxes			
26 09 23 00-0440		Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0439)			
26 09 23 00-0441		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)			
26 09 23 00-0442	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	150.03		8.27
26 09 23 00-0443	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	105.54		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0444	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	100.64		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0445	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	100.64		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0446	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	127.78		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0447	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	127.78		8.27
26 09 23 00-0448	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	155.60		8.27
26 09 23 00-0449	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	127.78		8.27
26 09 23 00-0450		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0451	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	194.53		8.27
26 09 23 00-0452	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	150.03		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0453	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	146.70		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0454	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	146.70		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		
26 09 23 00-0455	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	172.28		8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0456	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	172.28	8.27
26 09 23 00-0457	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	185.63	8.27
26 09 23 00-0458			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0440)</small>		
26 09 23 00-0459	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	13.03	2.07
26 09 23 00-0460	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	13.03	2.07
26 09 23 00-0461	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	26.38	2.07
26 09 23 00-0462	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	26.38	2.07
26 09 23 00-0463			360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0439)</small>		
26 09 23 00-0464			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0463)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0465	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	170.71	18.60
26 09 23 00-0466	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	170.71	18.60
26 09 23 00-0467	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	170.71	18.60
26 09 23 00-0468	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	181.84	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0469	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	181.84	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0470	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	146.24	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0471	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	226.34	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0472	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	226.34	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0473	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	190.74	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0474	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	170.71	18.60
26 09 23 00-0475	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	170.71	18.60
26 09 23 00-0476	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	170.71	18.60
26 09 23 00-0477	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	181.84	18.60
26 09 23 00-0478	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	181.84	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0479	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	146.24	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0480	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	226.34	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0481	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	226.34	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0482	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	190.74	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0483			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0463)</small>		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0484	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	215.21	18.60
26 09 23 00-0485	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	215.21	18.60
26 09 23 00-0486	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	215.21	18.60
26 09 23 00-0487	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	204.09	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0488	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	204.09	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0489	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	168.49	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	
26 09 23 00-0490	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	248.58	18.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.17	

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MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0491	EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	248.58	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0492	EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	212.99	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0493	EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	215.21	18.60
26 09 23 00-0494	EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	215.21	18.60
26 09 23 00-0495	EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	215.21	18.60
26 09 23 00-0496	EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	204.09	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0497	EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	204.09	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0498	EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	168.49	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0499	EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	248.58	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0500	EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	248.58	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0501	EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	212.99	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0502	Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0499)		
26 09 23 00-0503	Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0502)		
26 09 23 00-0504	EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	170.71	18.60
26 09 23 00-0505	EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	192.96	18.60
26 09 23 00-0506	EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	237.46	18.60
26 09 23 00-0507	EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	226.34	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0508	EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	270.83	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0509	Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0502)		
	Note: Includes passive infrared and microphonics detection		
26 09 23 00-0510	EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	215.21	18.60
26 09 23 00-0511	EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	248.58	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0512	EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	293.08	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0513	High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0439)		
26 09 23 00-0514	Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0513)		
26 09 23 00-0515	EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	170.71	18.60
26 09 23 00-0516	EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	170.71	18.60
26 09 23 00-0517	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	170.71	18.60
26 09 23 00-0518	EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	146.24	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0519	EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	146.24	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0520	EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	146.24	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0521	EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	190.74	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0522	EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	190.74	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0523	EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	190.74	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0524	EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	161.81	18.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0525	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	161.81	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0526	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	161.81	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0527	EA			480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	161.81	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0528	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	161.81	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0529	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	161.81	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0530	EA			Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	192.96	18.60
26 09 23 00-0531	EA			Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	192.96	18.60
26 09 23 00-0532	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	192.96	18.60
26 09 23 00-0533	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	235.24	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0534	EA			Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	235.24	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0535	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	235.24	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0536	EA			2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	206.31	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0537	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	206.31	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0538	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	172.94	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0539	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	172.94	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0540	EA			480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	172.94	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0541	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	172.94	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0542	EA			Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	192.96	18.60
26 09 23 00-0543	EA			Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	192.96	18.60
26 09 23 00-0544	EA			Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	235.24	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0545	EA			Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	235.24	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0546	EA			2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	226.34	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0547	EA			480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	204.09	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0548	EA			208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	204.09	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17	
26 09 23 00-0549				Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0438)</small>		
26 09 23 00-0550	EA			Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	95.38	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0551	EA			2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	139.87	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0552	EA			Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	73.13	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0553	EA			2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	66.45	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0554	EA			20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	88.70	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0555	EA			120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	144.32	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	
26 09 23 00-0556	EA			120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	144.32	16.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0557	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	144.32		16.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92		
26 09 23 00-0558		Daylighting Control (Sensor Switch) <small>(26 09 23 00-0438)</small>			
26 09 23 00-0559	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	148.46		18.60
26 09 23 00-0560	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	148.46		18.60
26 09 23 00-0561	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	148.46		18.60
26 09 23 00-0562	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0563	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0564	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0565	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	148.46		18.60
26 09 23 00-0566	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	148.46		18.60
26 09 23 00-0567	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	148.46		18.60
26 09 23 00-0568	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0569	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0570	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	148.46		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0571	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	215.21		18.60
26 09 23 00-0572	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	215.21		18.60
26 09 23 00-0573	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	215.21		18.60
26 09 23 00-0574	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	215.21		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0575	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	215.21		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0576	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	215.21		18.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.17		
26 09 23 00-0577		Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0578		Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0577)</small>			
		Note: Excludes boxes.			
26 09 23 00-0579		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0578)</small>			
26 09 23 00-0580		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0579)</small>			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0581	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	233.82		8.27
26 09 23 00-0582		360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0578)</small>			
26 09 23 00-0583		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0582)</small>			
		Note: One photocell or dimming option per occupancy sensor			
26 09 23 00-0584	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	275.98		18.60
26 09 23 00-0585	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	275.98		18.60
26 09 23 00-0586	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	275.98		18.60
26 09 23 00-0587		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0582)</small>			
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection			
26 09 23 00-0588	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	323.73		18.60
26 09 23 00-0589	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	323.73		18.60
26 09 23 00-0590	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	335.65		18.60
26 09 23 00-0591		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0578)</small>			
26 09 23 00-0592		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0591)</small>			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0593	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	323.73		18.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0594			High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0578)		
26 09 23 00-0595			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0594)		
26 09 23 00-0596	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	275.98	18.60
26 09 23 00-0597			Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0577)		
26 09 23 00-0598	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	92.77	16.54
26 09 23 00-0599	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	116.67	16.54
26 09 23 00-0600	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	157.24	16.54
26 09 23 00-0601	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	157.24	16.54
26 09 23 00-0602			Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0577)		
26 09 23 00-0603	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	335.65	18.60
26 09 23 00-0604	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	271.02	18.60
26 09 23 00-0605			Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0577)		
26 09 23 00-0606	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	228.23	18.60
26 09 23 00-0607			Controls (Sensor Switch nLight®) (26 09 23 00-0577)		
26 09 23 00-0608	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	149.44	18.60
26 09 23 00-0609	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	216.31	18.60
26 09 23 00-0610	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	502.81	18.60
26 09 23 00-0611	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	502.81	18.60
26 09 23 00-0612	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,887.62	18.60
26 09 23 00-0613			Occupancy Sensors (Lutron) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0614			Wireless Occupancy Sensors (26 09 23 00-0613)		
26 09 23 00-0615	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	110.76	18.60
26 09 23 00-0616	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	115.67	18.60
26 09 23 00-0617	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	111.93	18.60
26 09 23 00-0618	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	118.46	18.60
26 09 23 00-0619	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	113.39	18.60
26 09 23 00-0620	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	118.46	18.60
26 09 23 00-0621	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	110.76	18.60
26 09 23 00-0622	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	113.39	18.60
26 09 23 00-0623	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	111.93	18.60
26 09 23 00-0624	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	173.47	18.60
26 09 23 00-0625	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	185.19	18.60
26 09 23 00-0626	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	211.56	18.60
26 09 23 00-0627	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	223.28	18.60
26 09 23 00-0628	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	229.14	18.60
26 09 23 00-0629	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	240.86	18.60
26 09 23 00-0630	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	136.54	18.60
26 09 23 00-0631	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	144.16	18.60
26 09 23 00-0632	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	169.07	18.60
26 09 23 00-0633	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	188.12	18.60
26 09 23 00-0634	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	202.77	18.60
26 09 23 00-0635	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	174.93	18.60
26 09 23 00-0636	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	160.66	18.60
26 09 23 00-0637	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	134.19	18.60
26 09 23 00-0638	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	165.41	18.60
26 09 23 00-0639	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	201.13	18.60
26 09 23 00-0640	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	213.55	18.60
26 09 23 00-0641	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	213.55	18.60
26 09 23 00-0642	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	213.55	18.60
26 09 23 00-0643	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	224.92	18.60
26 09 23 00-0644	EA		Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	365.04	26.88

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0645			Nodes And Modules (26 09 23 00-0613)		
26 09 23 00-0646	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	180.79	18.60
26 09 23 00-0647	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	180.79	18.60
26 09 23 00-0648	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	229.14	18.60
26 09 23 00-0649	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	229.14	18.60
26 09 23 00-0650	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	293.34	20.68
26 09 23 00-0651	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	293.34	20.68
26 09 23 00-0652	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	356.35	20.68
26 09 23 00-0653	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	365.14	20.68
26 09 23 00-0654	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	451.58	20.68
26 09 23 00-0655	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	479.42	20.68
26 09 23 00-0656	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	507.26	20.68
26 09 23 00-0657	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	1,373.82	33.08
26 09 23 00-0658	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,349.13	37.22
26 09 23 00-0659	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,980.11	41.35
26 09 23 00-0660			Other Accessories (26 09 23 00-0613)		
26 09 23 00-0661	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	28.12	
26 09 23 00-0662	EA		Pico® Wireless Control (Lutron® PJ)	37.35	
26 09 23 00-0663	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	110.82	
26 09 23 00-0664	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	211.91	
26 09 23 00-0665	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	220.69	18.60
26 09 23 00-0666	EA		seeTouch® QS Wallstation (Lutron® QSWS2)	280.07	18.60
26 09 23 00-0667	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	280.07	18.60
26 09 23 00-0668	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	460.37	20.68
26 09 23 00-0669	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	631.80	20.68
26 09 23 00-0670	EA		Control Interface (Lutron® QSE-CI-NWK-E)	761.00	18.60
26 09 23 00-0671	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	755.15	18.60
26 09 23 00-0672	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,011.56	18.60
26 09 23 00-0673	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,594.58	577.52
26 09 23 00-0674	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,180.64	577.52
26 09 23 00-0675			Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0676	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	106.07	18.60
26 09 23 00-0677	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	92.59	18.60
26 09 23 00-0678	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	117.20	18.60
26 09 23 00-0679	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	92.59	18.60
26 09 23 00-0680	EA		120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	156.33	8.25
26 09 23 00-0681			Wireless Enabled Communication Devices For Streetlights (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0682			Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0681)		
26 09 23 00-0683			Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0682)		
			Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0684	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	238.80	
26 09 23 00-0685	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	334.31	
26 09 23 00-0686			Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0682)		
26 09 23 00-0687	EA		Retrofit Receptacle Kit (Roam® DUR103)	40.64	
			Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0688	EA		Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	9,646.05	47.81
26 09 23 00-0689			Emergency Lighting Controls (26 09 23)		
26 09 23 00-0690			Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0689)		
			Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0691	EA		DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	176.52	20.68
26 09 23 00-0692	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	176.52	20.68
26 09 23 00-0693			Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0689)		
			Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0694	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	273.57	28.94
26 09 23 00-0695	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	374.17	33.08

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0696	EA			2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	505.78	37.22
26 09 23 00-0697 Photocells <small>(26 09 23)</small>						
26 09 23 00-0698	EA			Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	65.45	
26 09 23 00-0699	EA			Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	147.32	
26 09 23 00-0700 Outdoor Lighting Motion Sensors <small>(26 09 23)</small>						
26 09 23 00-0701	EA			70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	87.72	20.68
26 09 23 00-0702	EA			70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	96.12	20.68
26 09 23 00-0703	EA			30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	408.26	20.68
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 09 23 00-0704 Street Light Controls <small>(26 09 23)</small>						
26 09 23 00-0705 Photo Controls <small>(26 09 23 00-0704)</small>						
26 09 23 00-0706	EA			Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	75.99	
26 09 23 00-0707	EA			Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	89.23	
26 09 23 00-0708 Connector Node <small>(26 09 23 00-0704)</small>						
26 09 23 00-0709	EA			Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	371.42	2.54
26 10 Medium-Voltage Electrical Distribution <small>(26)</small>						
26 11 Substations <small>(26 10)</small>						
26 11 13 Primary Unit Substations <small>(26 11)</small>						
26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section <small>(26 11 13)</small>						
26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" <small>(26 11 13 00-0001)</small>						
Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment						
26 11 13 00-0003	EA			14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,380.82 882.74	1,446.41
26 11 13 00-0004	EA			23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,690.08 1,103.42	1,829.29
26 11 13 00-0005	EA			34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75,691.79 1,103.42	1,829.29
26 11 13 00-0006	EA			46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87,125.42 1,176.98	1,829.29
26 11 13 00-0007	EA			69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98,822.62 1,358.06	2,254.70
26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers <small>(26 11 13 00-0001)</small>						
26 11 13 00-0009	EA			Reclosure Relay, Adjustable, 3 Shot, #179..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,423.51 89.19	150.62
26 11 13 00-0010	EA			Overcurrent Relay, 1 Phase, #51/51N..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.19 59.48	109.21
26 11 13 00-0011	EA			Directional Overcurrent Relay, Three-Phase, Device No. 67..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	643.41 74.12	109.21
26 11 13 00-0012	EA			Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	507.99 59.48	109.21
26 11 13 00-0013	EA			Differential Relay Package, Complete, Device No. 87..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,900.03 222.83	369.04
26 11 13 00-0014 "Switchyard", Substation Transformer Section <small>(26 11 13)</small>						
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range						
26 11 13 00-0015 14.4 KV Nominal Primary <small>(26 11 13 00-0014)</small>						
26 11 13 00-0016	EA			1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	30,961.42 3,362.28 3,362.28 840.57 280.19 1,400.95 3,502.37 4,202.85	1,446.41
26 11 13 00-0017	EA			2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	35,310.30 3,795.87 3,795.87 948.97 316.32 1,581.61 3,954.03 4,744.83	1,812.27

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 11 13 00-0018	EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	54,452.32	2,552.49
	For 50 Hz Operation, Add	5,906.55	
	For Forced Air Cooling, Add	5,906.55	
	For External Control Panel, Add	1,476.64	
	For Internally Mounted Current Transformers And Linear Couplers, Add	492.21	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,461.06	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,152.66	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,383.19	
26 11 13 00-0019	EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	79,357.27	3,141.82
	For 50 Hz Operation, Add	8,709.69	
	For Forced Air Cooling, Add	8,709.69	
	For External Control Panel, Add	2,177.42	
	For Internally Mounted Current Transformers And Linear Couplers, Add	725.81	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,629.04	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,072.60	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,887.12	
26 11 13 00-0020	EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,736.70	4,065.89
	For 50 Hz Operation, Add	10,711.93	
	For Forced Air Cooling, Add	10,711.93	
	For External Control Panel, Add	2,677.98	
	For Internally Mounted Current Transformers And Linear Couplers, Add	892.66	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,463.31	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,158.26	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,389.92	
26 11 13 00-0021	23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022	EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	34,499.64	1,956.91
	For 50 Hz Operation, Add	3,698.59	
	For External Control Panel, Add	924.65	
	For Internally Mounted Current Transformers And Linear Couplers, Add	308.22	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,541.08	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,852.70	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,623.24	
	For Forced Air Cooling, Add	2,465.73	
26 11 13 00-0023	EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	39,318.46	1,956.91
	For 50 Hz Operation, Add	4,185.24	
	For External Control Panel, Add	1,046.31	
	For Internally Mounted Current Transformers And Linear Couplers, Add	348.77	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,743.85	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,359.63	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,231.55	
	For Forced Air Cooling, Add	2,790.16	
26 11 13 00-0024	EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	63,448.84	2,892.82
	For 50 Hz Operation, Add	6,907.67	
	For External Control Panel, Add	1,726.92	
	For Internally Mounted Current Transformers And Linear Couplers, Add	575.64	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,878.20	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,195.49	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,634.59	
	For Forced Air Cooling, Add	4,605.12	
26 11 13 00-0025	EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	85,222.76	4,065.89
	For 50 Hz Operation, Add	9,210.26	
	For External Control Panel, Add	2,302.56	
	For Internally Mounted Current Transformers And Linear Couplers, Add	767.52	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,837.61	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,594.02	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,512.82	
	For Forced Air Cooling, Add	6,140.17	
26 11 13 00-0026	EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	106,079.36	4,065.89
	For 50 Hz Operation, Add	11,713.05	
	For External Control Panel, Add	2,928.26	
	For Internally Mounted Current Transformers And Linear Couplers, Add	976.09	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,880.44	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,201.10	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,641.31	
	For Forced Air Cooling, Add	7,808.70	
26 11 13 00-0027	34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028	EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	43,373.91	2,339.78
	For 50 Hz Operation, Add	4,671.90	
	For External Control Panel, Add	1,167.97	
	For Internally Mounted Current Transformers And Linear Couplers, Add	389.32	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,946.62	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,866.56	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,839.87	
	For Forced Air Cooling, Add	3,114.60	
26 11 13 00-0029	EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	52,393.29	3,658.57
	For 50 Hz Operation, Add	5,645.20	
	For External Control Panel, Add	1,411.30	
	For Internally Mounted Current Transformers And Linear Couplers, Add	470.43	
	For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,352.17	
	For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,880.42	
	For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,056.51	
	For Forced Air Cooling, Add	3,763.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	72,428.89	3,658.57
For 50 Hz Operation, Add	7,808.73	
For External Control Panel, Add	1,952.18	
For Internally Mounted Current Transformers And Linear Couplers, Add	650.73	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,253.64	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,134.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,760.91	
For Forced Air Cooling, Add	5,205.82	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	93,565.34	3,973.48
For 50 Hz Operation, Add	10,211.37	
For External Control Panel, Add	2,552.84	
For Internally Mounted Current Transformers And Linear Couplers, Add	850.95	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,254.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,636.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,764.21	
For Forced Air Cooling, Add	6,807.58	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	162,678.28	5,082.36
For 50 Hz Operation, Add	18,220.31	
For External Control Panel, Add	4,555.08	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,518.36	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,591.80	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,979.49	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,775.39	
For Forced Air Cooling, Add	12,146.87	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,938.70	2,722.65
For 50 Hz Operation, Add	7,390.65	
For External Control Panel, Add	1,847.66	
For Internally Mounted Current Transformers And Linear Couplers, Add	615.89	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,079.44	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,698.60	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,238.32	
For Forced Air Cooling, Add	4,927.10	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	75,709.05	2,722.65
For 50 Hz Operation, Add	8,378.90	
For External Control Panel, Add	2,094.72	
For Internally Mounted Current Transformers And Linear Couplers, Add	698.24	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,491.21	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,728.02	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,473.62	
For Forced Air Cooling, Add	5,585.93	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	105,107.01	3,658.57
For 50 Hz Operation, Add	11,730.10	
For External Control Panel, Add	2,932.53	
For Internally Mounted Current Transformers And Linear Couplers, Add	977.51	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,887.54	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,218.86	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,662.63	
For Forced Air Cooling, Add	7,820.07	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	128,301.51	5,082.36
For 50 Hz Operation, Add	14,095.10	
For External Control Panel, Add	3,523.77	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,174.59	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,872.96	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,682.39	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,618.87	
For Forced Air Cooling, Add	9,396.73	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	183,586.56	5,082.36
For 50 Hz Operation, Add	20,729.30	
For External Control Panel, Add	5,182.33	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,727.44	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,637.21	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	21,593.02	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	25,911.63	
For Forced Air Cooling, Add	13,819.54	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	96,885.71	2,892.82
For 50 Hz Operation, Add	10,920.10	
For External Control Panel, Add	2,730.02	
For Internally Mounted Current Transformers And Linear Couplers, Add	910.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,550.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,375.10	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,650.12	
For Forced Air Cooling, Add	7,280.06	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	111,103.06	3,658.57
For 50 Hz Operation, Add	12,449.63	
For External Control Panel, Add	3,112.41	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,037.47	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,187.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,968.37	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,562.04	
For Forced Air Cooling, Add	8,299.75	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	153,489.00 17,535.94 4,383.99 1,461.33 7,306.64 18,266.61 21,919.93 11,690.63	3,658.57
26 11 13 00-0043	EA		7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	162,071.66 18,147.51 4,536.88 1,512.29 7,561.46 18,903.66 22,684.39 12,098.34	5,082.36
26 11 13 00-0044	EA		10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled..... For 50 Hz Operation, Add For External Control Panel, Add For Internally Mounted Current Transformers And Linear Couplers, Add For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add For Forced Air Cooling, Add	213,123.59 24,273.75 6,068.44 2,022.81 10,114.06 25,285.15 30,342.18 16,182.50	5,082.36
26 11 13 00-0045			Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046	EA		1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	58,693.44	735.48
26 11 13 00-0047	EA		1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,481.90	735.48
26 11 13 00-0048	EA		1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	73,372.20	913.58
26 11 13 00-0049	EA		2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,474.73	1,098.53
26 11 13 00-0050	EA		2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	77,219.43	1,098.53
26 11 13 00-0051	EA		2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,083.15	1,276.25
26 11 13 00-0052	EA		3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	90,725.77	1,458.12
26 11 13 00-0053	EA		3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	101,613.41	1,458.12
26 11 13 00-0054	EA		3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	106,444.34	1,637.48
26 11 16			Secondary Unit Substations <small>(26 11)</small>		
26 11 16 11			Secondary Unit Substations with Switchgear Secondary <small>(26 11 16)</small>		
26 11 16 11-0001			Substation Primary Incoming Section <small>(26 11 16 11)</small>		
26 11 16 11-0002			Manual Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	30,857.74	1,080.02
26 11 16 11-0004	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	35,657.26	1,080.02
26 11 16 11-0005			Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	43,697.62	1,080.02
26 11 16 11-0007	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	46,821.18	1,080.02
26 11 16 11-0008			Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009	EA		Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	8,113.08	
26 11 16 11-0010	EA		Key Interlock Accessories, Secondary Distribution Section.....	789.70	
26 11 16 11-0011			Oil Filled Substation Transformers <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012			Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013	EA		75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	14,689.82 938.95 402.41 134.14	638.12
26 11 16 11-0014	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	21,566.45 1,402.45 601.05 200.35	765.74
26 11 16 11-0015	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	24,408.93 1,589.51 681.22 227.07	850.83
26 11 16 11-0016	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	28,885.06 1,873.06 802.74 267.58	1,063.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	32,209.44	1,318.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,070.03	
For Control Power Transformer On Fans And Auxiliary, Add	887.16	
For Internal Mounted Current Transformer And Linear Coupler, Add	295.72	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,449.87	1,616.57
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,185.17	
For Control Power Transformer On Fans And Auxiliary, Add	936.50	
For Internal Mounted Current Transformer And Linear Coupler, Add	312.17	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	40,322.94	1,956.91
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,548.64	
For Control Power Transformer On Fans And Auxiliary, Add	1,092.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	364.09	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	42,965.54	2,127.08
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,709.80	
For Control Power Transformer On Fans And Auxiliary, Add	1,161.34	
For Internal Mounted Current Transformer And Linear Coupler, Add	387.11	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	48,010.40	2,339.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,033.16	
For Control Power Transformer On Fans And Auxiliary, Add	1,299.92	
For Internal Mounted Current Transformer And Linear Coupler, Add	433.31	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	55,522.07	2,595.03
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,523.24	
For Control Power Transformer On Fans And Auxiliary, Add	1,509.96	
For Internal Mounted Current Transformer And Linear Coupler, Add	503.32	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	60,967.11	2,829.01
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,871.64	
For Control Power Transformer On Fans And Auxiliary, Add	1,659.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	553.09	
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	14,020.64	638.12
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	892.11	
For Control Power Transformer On Fans And Auxiliary, Add	382.33	
For Internal Mounted Current Transformer And Linear Coupler, Add	127.44	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	21,094.21	638.12
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,387.26	
For Control Power Transformer On Fans And Auxiliary, Add	594.54	
For Internal Mounted Current Transformer And Linear Coupler, Add	198.18	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	24,394.12	850.83
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,588.47	
For Control Power Transformer On Fans And Auxiliary, Add	680.77	
For Internal Mounted Current Transformer And Linear Coupler, Add	226.92	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,910.53	1,063.54
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,874.84	
For Control Power Transformer On Fans And Auxiliary, Add	803.50	
For Internal Mounted Current Transformer And Linear Coupler, Add	267.83	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,809.73	1,318.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,252.05	
For Control Power Transformer On Fans And Auxiliary, Add	965.16	
For Internal Mounted Current Transformer And Linear Coupler, Add	321.72	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,687.71	1,616.57
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,411.82	
For Control Power Transformer On Fans And Auxiliary, Add	1,033.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	344.55	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	41,818.05	1,956.91
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,653.30	
For Control Power Transformer On Fans And Auxiliary, Add	1,137.13	
For Internal Mounted Current Transformer And Linear Coupler, Add	379.04	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	45,541.01	2,127.08
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,890.08	
For Control Power Transformer On Fans And Auxiliary, Add	1,238.61	
For Internal Mounted Current Transformer And Linear Coupler, Add	412.87	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	51,340.87	2,339.78
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,266.29	
For Control Power Transformer On Fans And Auxiliary, Add	1,399.84	
For Internal Mounted Current Transformer And Linear Coupler, Add	466.61	
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers <small>(26 11 16 11-0011)</small>		
26 11 16 11-0035 EA Sudden Pressure Relay	4,065.60	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV)	8,071.60	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole)	5,314.84	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	29,494.68	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	27,595.21	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab <small>(26 11 16 11-0011)</small>		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,051.48	988.66
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,821.83	1,139.95

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0049			Dry Type Substation Transformer <small>(26 11 16 11)</small> Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050			Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,573.92	680.66
			For Gas Filled Transformers, Add	14,527.55	
			For Single Phase Transformers, Deduct	-605.31	
			For Dry Type Unit, Add	5,462.90	
26 11 16 11-0052	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,659.00	723.21
			For Gas Filled Transformers, Add	14,527.55	
			For Single Phase Transformers, Deduct	-605.31	
			For Dry Type Unit, Add	5,471.41	
26 11 16 11-0053	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,229.63	850.83
			For Gas Filled Transformers, Add	14,716.78	
			For Single Phase Transformers, Deduct	-613.20	
			For Dry Type Unit, Add	5,566.32	
26 11 16 11-0054	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,950.19	935.91
			For Gas Filled Transformers, Add	16,247.02	
			For Single Phase Transformers, Deduct	-676.96	
			For Dry Type Unit, Add	6,144.42	
26 11 16 11-0055	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	32,141.40	1,106.08
			For Gas Filled Transformers, Add	17,957.54	
			For Single Phase Transformers, Deduct	-748.23	
			For Dry Type Unit, Add	6,805.65	
26 11 16 11-0056	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	37,237.34	1,276.25
			For Gas Filled Transformers, Add	20,810.91	
			For Single Phase Transformers, Deduct	-867.12	
			For Dry Type Unit, Add	7,885.92	
26 11 16 11-0057	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,240.99	1,531.50
			For Gas Filled Transformers, Add	24,106.80	
			For Single Phase Transformers, Deduct	-1,004.45	
			For Dry Type Unit, Add	9,145.46	
26 11 16 11-0058	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	51,095.91	1,701.66
			For Gas Filled Transformers, Add	28,615.55	
			For Single Phase Transformers, Deduct	-1,192.31	
			For Dry Type Unit, Add	10,832.70	
26 11 16 11-0059	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,153.72	1,786.74
			For Gas Filled Transformers, Add	37,548.14	
			For Single Phase Transformers, Deduct	-1,564.51	
			For Dry Type Unit, Add	14,125.00	
26 11 16 11-0060			Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,714.68	680.66
			For Gas Filled Transformers, Add	14,012.01	
			For Single Phase Transformers, Deduct	-583.83	
			For Dry Type Unit, Add	5,273.87	
26 11 16 11-0062	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	25,659.00	723.21
			For Gas Filled Transformers, Add	14,527.55	
			For Single Phase Transformers, Deduct	-605.31	
			For Dry Type Unit, Add	5,471.41	
26 11 16 11-0063	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	26,229.63	850.83
			For Gas Filled Transformers, Add	14,716.78	
			For Single Phase Transformers, Deduct	-613.20	
			For Dry Type Unit, Add	5,566.32	
26 11 16 11-0064	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,950.19	935.91
			For Gas Filled Transformers, Add	16,247.02	
			For Single Phase Transformers, Deduct	-676.96	
			For Dry Type Unit, Add	6,144.42	
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	32,141.40	1,106.08
			For Gas Filled Transformers, Add	17,957.54	
			For Single Phase Transformers, Deduct	-748.23	
			For Dry Type Unit, Add	6,805.65	
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	37,237.34	1,276.25
			For Gas Filled Transformers, Add	20,810.91	
			For Single Phase Transformers, Deduct	-867.12	
			For Dry Type Unit, Add	7,885.92	
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,240.99	1,531.50
			For Gas Filled Transformers, Add	24,106.80	
			For Single Phase Transformers, Deduct	-1,004.45	
			For Dry Type Unit, Add	9,145.46	
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	51,095.91	1,701.66
			For Gas Filled Transformers, Add	28,615.55	
			For Single Phase Transformers, Deduct	-1,192.31	
			For Dry Type Unit, Add	10,832.70	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	66,153.72	1,786.74
			For Gas Filled Transformers, Add	37,548.14	
			For Single Phase Transformers, Deduct	-1,564.51	
			For Dry Type Unit, Add	14,125.00	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	72,596.82	1,871.82
			For Gas Filled Transformers, Add	41,311.90	
			For Single Phase Transformers, Deduct	-1,721.33	
			For Dry Type Unit, Add	15,522.06	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	81,004.22	1,956.91
			For Gas Filled Transformers, Add	46,254.24	
			For Single Phase Transformers, Deduct	-1,927.26	
			For Dry Type Unit, Add	17,351.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	93,332.83 53,549.31 -2,231.22 20,043.15	2,041.99
26 11 16 11-0073			Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	27,522.16 15,594.40 -649.77 5,871.10	765.74
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,461.50 16,106.96 -671.12 6,067.54	808.29
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	30,467.51 17,157.41 -714.89 6,478.23	935.91
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	32,177.35 18,081.22 -753.38 6,833.98	1,021.00
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	36,699.64 20,590.39 -857.93 7,788.04	1,191.16
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	40,683.02 22,776.22 -949.01 8,623.55	1,361.33
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,513.63 26,568.29 -1,107.01 10,065.02	1,616.57
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	57,526.59 32,371.86 -1,348.83 12,227.03	1,786.74
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	69,447.94 39,422.57 -1,642.61 14,829.31	1,871.82
26 11 16 11-0083			Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	27,522.16 15,594.40 -649.77 5,871.10	765.74
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,461.50 16,106.96 -671.12 6,067.54	808.29
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	30,467.51 17,157.41 -714.89 6,478.23	935.91
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	32,177.35 18,081.22 -753.38 6,833.98	1,021.00
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	36,699.64 20,590.39 -857.93 7,788.04	1,191.16
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	35,716.34 19,796.21 -824.84 7,530.88	1,361.33
26 11 16 11-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	37,310.13 20,446.19 -851.92 7,820.25	1,616.57
26 11 16 11-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	45,836.30 25,357.69 -1,056.57 9,655.17	1,786.74
26 11 16 11-0092	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	54,295.78 30,331.27 -1,263.80 11,495.83	1,871.82
26 11 16 11-0093	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	60,662.80 34,049.39 -1,418.72 12,876.16	1,956.91
26 11 16 11-0094	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	71,157.22 40,243.94 -1,676.83 15,164.51	2,041.99

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	87,170.20 49,749.63 -2,072.90 18,666.95	2,127.08
26 12 Medium-Voltage Transformers <small>(26 10)</small>		
26 12 13 Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 13 00-0001 Removal And Relocation Of Transformers <small>(26 12 13)</small>		
26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	909.72	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	1,674.14	
26 12 16 Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001 Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	353.09	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	1,569.31	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,713.56	425.42
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,100.63	510.50
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,871.81	595.58
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,903.14	638.12
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,646.37	680.66
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,701.00	893.38
26 12 19 00-0010 Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications	685.47	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	720.24	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications	792.26	
26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,486.48	425.42
26 12 19 00-0017 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,100.91	425.42
26 12 19 00-0018 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,534.23	582.82
26 12 19 00-0019 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,827.99	582.82
26 12 19 00-0020 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,651.16	765.74
26 12 19 00-0021 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,222.79	765.74
26 12 19 00-0022 EA 250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	14,508.92	1,063.54
26 12 19 00-0023 Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024 EA Loadbreaker Current Limiting Fuse Factory Modifications	913.95	
26 12 19 00-0025 EA Lightning Arrestors, Factory Modifications	231.57	
26 12 19 00-0026 EA Loadbreaker Oil Switch, 2 Position Factory Modifications	720.24	
26 12 19 00-0027 EA Loop Feed Air Switch, Factory Modifications	1,172.24	
26 12 19 00-0028 EA Loadbreaker Inserts (Two), Factory Modifications	312.93	
26 12 19 00-0029 EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	270.71	
26 12 19 00-0030 Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,823.33	425.42
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,213.76	425.42
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,490.17	582.82
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,559.77	582.82
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,209.10	765.74
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,207.94	765.84
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	12,938.15	1,063.54
26 12 19 00-0038		Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001) Note: Conventional type.		
26 12 19 00-0039		13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038) Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,287.83	308.58
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,131.16	433.93
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,278.79	694.30
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,924.06	694.30
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,957.65	1,137.87
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,816.43	1,137.87
26 12 19 00-0046		Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)		
26 12 19 00-0047		7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,198.14	327.86
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,496.14	327.86
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,099.88	462.87
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,323.41	462.87
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,135.97	626.80
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,695.01	964.30
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,778.28	964.30
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,539.56	1,205.38
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,198.14	327.86
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,496.14	327.86
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,099.88	462.87
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,323.41	462.87
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,135.97	626.80
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,358.03	848.59
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,695.01	848.59
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,778.28	1,070.38
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,539.56	1,205.38
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,479.58	327.86
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,802.85	327.86
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,463.52	462.87
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,787.95	462.87
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,668.80	626.80
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,063.80	848.59
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,678.53	848.59
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,158.73	1,070.38
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,410.93	1,205.38
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,198.14	327.86
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,496.14	327.86
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,099.88	629.79
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,323.41	848.59
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,135.97	626.80
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,224.31	848.59
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,693.18	848.59
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,198.14	327.86
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,496.14	327.86
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,099.88	462.87
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,323.41	462.87
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,135.97	626.80
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,224.31	848.59
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,693.18	848.59

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>			
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,760.60		337.50
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,001.89		376.08
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,622.95		414.65
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,649.63		578.58
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,203.85		675.02
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,081.13		790.73
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,480.96		906.44
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,065.99		1,157.17
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,810.72		1,301.80

26 13 Medium-Voltage Switchgear (26 10)**26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)**

26 13 16 00-0001		"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>			
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.					
26 13 16 00-0002		4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	12,391.79		1,002.88
		<i>For Weatherproofing, Add</i>	2,585.57		
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,026.37		1,002.88
		<i>For Weatherproofing, Add</i>	2,725.17		
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	17,809.83		1,277.70
		<i>For Weatherproofing, Add</i>	3,748.99		
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,383.41		1,277.70
		<i>For Weatherproofing, Add</i>	5,173.67		
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	35,112.71		1,542.89
		<i>For Weatherproofing, Add</i>	7,508.45		
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	31,958.30		1,542.89
		<i>For Weatherproofing, Add</i>	6,803.55		
26 13 16 00-0009		7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,647.95		1,157.17
		<i>For Weatherproofing, Add</i>	3,947.37		
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	22,864.43		1,446.45
		<i>For Weatherproofing, Add</i>	4,827.47		
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,286.77		1,735.74
		<i>For Weatherproofing, Add</i>	6,866.24		
26 13 16 00-0013		13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	17,931.84		1,157.17
		<i>For Weatherproofing, Add</i>	3,777.09		
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,788.73		1,157.17
		<i>For Weatherproofing, Add</i>	5,257.87		
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	36,379.14		1,542.89
		<i>For Weatherproofing, Add</i>	7,776.13		
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	22,549.82		1,542.89
		<i>For Weatherproofing, Add</i>	4,746.67		
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,943.58		1,928.60
		<i>For Weatherproofing, Add</i>	7,005.65		
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	46,294.12		1,928.60
		<i>For Weatherproofing, Add</i>	9,913.62		
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	31,669.07		1,928.60
		<i>For Weatherproofing, Add</i>	6,717.19		
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	44,110.60		1,928.60
		<i>For Weatherproofing, Add</i>	9,426.55		
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	57,336.37		1,928.60
		<i>For Weatherproofing, Add</i>	12,309.94		
26 13 16 00-0023		4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,490.23		631.61
		<i>For Weatherproofing, Add</i>	1,119.27		
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,210.60		631.61
		<i>For Weatherproofing, Add</i>	1,497.75		
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,761.47		838.95
		<i>For Weatherproofing, Add</i>	1,590.33		
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,617.95		1,036.63
		<i>For Weatherproofing, Add</i>	1,970.79		
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,099.83		1,036.63
		<i>For Weatherproofing, Add</i>	2,736.80		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0030	EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,977.18	964.30
	<i>For Weatherproofing, Add</i>	1,434.08	
26 13 16 00-0031	EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,136.67	964.30
	<i>For Weatherproofing, Add</i>	1,880.75	
26 13 16 00-0032	EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,049.21	964.30
	<i>For Weatherproofing, Add</i>	2,933.48	
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>			
26 13 16 00-0034	EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,167.42	819.65
	<i>For Weatherproofing, Add</i>	1,462.62	
26 13 16 00-0035	EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,665.31	819.65
	<i>For Weatherproofing, Add</i>	1,572.15	
26 13 16 00-0036	EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,041.93	1,012.52
	<i>For Weatherproofing, Add</i>	2,286.82	
26 13 16 00-0037	EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,724.44	1,215.02
	<i>For Weatherproofing, Add</i>	1,968.92	
26 13 16 00-0038	EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,070.72	1,215.02
	<i>For Weatherproofing, Add</i>	2,485.10	
26 13 16 00-0039	EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,870.61	1,417.53
	<i>For Weatherproofing, Add</i>	2,852.42	
26 13 16 00-0040	EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,882.43	1,620.02
	<i>For Weatherproofing, Add</i>	2,606.86	
26 13 16 00-0041	EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,490.17	1,620.02
	<i>For Weatherproofing, Add</i>	2,960.56	
26 13 16 00-0042	EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,918.75	1,812.89
	<i>For Weatherproofing, Add</i>	3,686.44	
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>			
26 13 16 00-0044	EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	3,406.75	611.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.66	
26 13 16 00-0045	EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,290.91	678.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.88	
26 13 16 00-0046	EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,626.82	815.80
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	489.50	
26 13 16 00-0047	EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,292.58	1,226.89
26 13 16 00-0048	EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	4,488.71	75.31
26 13 16 00-0049	EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	6,008.37	75.31
26 13 16 00-0050	EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	11,034.46	75.31
26 13 16 00-0051	EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	8,663.64	75.31
26 13 16 00-0052	EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,461.37	75.31
26 13 16 00-0053	EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,892.71	75.31
26 13 16 00-0054	EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,012.48	75.31
26 13 16 00-0055	EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,279.60	75.31
26 13 16 00-0056	EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,482.33	75.31
26 13 16 00-0057	EA Overcurrent Phase Protection, Time And Instantaneous Device 67	2,215.34	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0058	EA AC Ammeter With Switch	843.67	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0059	EA AC Voltmeter With Switch And Potential Transformer	843.67	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0060	EA Indicating Wattmeter	1,265.28	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0061	EA Indicating Varmeter	1,499.19	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0062	EA Indicating Watt-hour Meter, 2 Element	927.42	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0063	EA Ground Protection, Time Or Instantaneous Device 67N	2,170.05	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 16 00-0064	EA Differential Generator Protection Single Phase NEMA Device 87	4,241.81	75.31
26 13 16 00-0065	EA Current Transformers 5 And 15 KV Single Secondary	559.96	75.31
26 13 16 00-0066	EA Potential Transformers 5 KV And 15 KV With Primary Fuses	2,818.16	75.31

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13 19)

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV <small>(26 13 19)</small>			
26 13 19 00-0002	EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	45,707.92	1,205.38
26 13 19 00-0003	EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	50,449.16	1,523.59
26 13 19 00-0004	EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	57,265.29	1,523.59
26 13 19 00-0005	EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	52,439.08	1,205.38
26 13 19 00-0006	EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	59,044.87	1,205.38
26 13 19 00-0007	EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	67,289.87	1,417.53
26 13 19 00-0008	EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	69,374.37	1,620.02
26 13 19 00-0009	EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	76,013.70	1,620.02
26 13 19 00-0010	EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	83,040.17	1,822.53

26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13 29)

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 13 29 00-0001		Substation Secondary Distribution Section <small>(26 13 29)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002		Switchgear Compartment Complete With Air Circuit Breaker <small>(26 13 29 00-0001)</small> Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	14,500.51	751.69
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	22,784.99	1,136.49
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	30,839.70	1,396.00
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	51,536.89	1,619.71
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	66,329.10	1,843.44
26 13 29 00-0008		Switchgear Compartment Without Circuit Breaker <small>(26 13 29 00-0001)</small>		
26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,413.49	228.19
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,411.03	228.19
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,696.90	335.58
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,911.91	335.58
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	23,280.04	492.18
26 13 29 00-0014		Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 13 29 00-0001)</small> Note: No provisions for future breaker.		
26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	3,299.73	255.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.83	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	4,131.76	255.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.20	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	5,387.17	393.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.09	
26 13 29 00-0018		Accessories For Substation Secondary Distribution <small>(26 13 29 00-0001)</small>		
26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section.....	1,794.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section.....	1,399.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	4,402.18	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	4,402.18	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section.....	5,817.71	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	7,531.24	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	3,273.63	85.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.56	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	10,180.32	1,273.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	763.92	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	2,003.23	75.31
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	2,350.07	75.31
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	1,254.92	37.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.59	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	9,455.86	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	1,195.32	37.66

26 18 Medium-Voltage Circuit Protection Devices (26 10)**26 18 36 Medium-Voltage Enclosed Fuses** (26 18)

26 18 36 00-0001		Sectionalizing Switch <small>(26 18 36)</small>		
26 18 36 00-0002		Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 36 00-0001)</small> Note: 15 KV - 25 KV.		
26 18 36 00-0003		Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 36 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	29,093.56	638.12
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	32,702.43	638.12

26 20 Low-Voltage Electrical Distribution (26)**26 21 Low-Voltage Electrical Service Entrance** (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001		Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	5.96	2.29
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	7.12	2.71
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	8.23	3.06
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	10.70	3.86

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)

26 21 13 00-0009	LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.17	2.71
26 21 13 00-0010	LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.16	3.06
26 21 13 00-0011	LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.33	3.86
26 21 13 00-0012	LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.80	4.70
26 21 13 00-0013	LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	16.79	6.22
26 21 13 00-0014	LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.17	7.72
26 21 13 00-0015	LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	26.98	9.18

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)

26 21 13 00-0017	LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.17	3.06
26 21 13 00-0018	LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.32	3.86
26 21 13 00-0019	LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	13.30	4.94
26 21 13 00-0020	LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.09	6.22
26 21 13 00-0021	LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.99	6.89
26 21 13 00-0022	LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	21.66	7.72
26 21 13 00-0023	LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	25.62	9.18
26 21 13 00-0024	LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.46	10.15

26 21 13 00-0025 Weatherproof Conduit Hubs (26 21 13 00-0002)

26 21 13 00-0026	EA 1/2" Weatherproof Conduit Hubs	38.29	14.52
26 21 13 00-0027	EA 3/4" Weatherproof Conduit Hubs	43.69	16.50
26 21 13 00-0028	EA 1" Weatherproof Conduit Hubs	50.78	18.48
26 21 13 00-0029	EA 1-1/4" Weatherproof Conduit Hubs	70.89	24.75
26 21 13 00-0030	EA 1-1/2" Weatherproof Conduit Hubs	77.98	26.73
26 21 13 00-0031	EA 2" Weatherproof Conduit Hubs	100.95	31.02
26 21 13 00-0032	EA 2-1/2" Weatherproof Conduit Hubs	132.90	34.98
26 21 13 00-0033	EA 3" Weatherproof Conduit Hubs	171.85	41.25
26 21 13 00-0034	EA 4" Weatherproof Conduit Hubs	303.86	82.51

26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)

26 21 13 00-0036	EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	43.61	14.52
26 21 13 00-0037	EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	50.06	16.50
26 21 13 00-0038	EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	57.45	18.48
26 21 13 00-0039	EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	77.23	24.75
26 21 13 00-0040	EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	87.74	26.73
26 21 13 00-0041	EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	116.62	31.02
26 21 13 00-0042	EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	201.78	34.98
26 21 13 00-0043	EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	229.23	41.25
26 21 13 00-0044	EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	372.15	82.51

26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)

26 21 13 00-0046	EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	42.01	14.52
26 21 13 00-0047	EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	47.38	16.50
26 21 13 00-0048	EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	53.82	18.40
26 21 13 00-0049	EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	71.49	24.75
26 21 13 00-0050	EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	80.00	26.73
26 21 13 00-0051	EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	94.48	31.02
26 21 13 00-0052	EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	160.26	34.98
26 21 13 00-0053	EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	208.35	41.25
26 21 13 00-0054	EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	292.10	61.88
26 21 13 00-0055	EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	347.30	82.51

26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)

26 21 13 00-0057	EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	39.52	14.52
26 21 13 00-0058	EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	45.20	16.50
26 21 13 00-0059	EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	51.28	18.40
26 21 13 00-0060	EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	68.34	24.75
26 21 13 00-0061	EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	74.39	26.73
26 21 13 00-0062	EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	90.91	31.02
26 21 13 00-0063	EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	148.98	34.98
26 21 13 00-0064	EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	167.31	41.25
26 21 13 00-0065	EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	285.89	61.88
26 21 13 00-0066	EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	395.39	82.51

26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)

Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	2,596.60	857.17
26 21 16 00-0003	MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	2,871.97	907.60
26 21 16 00-0004	MLF #2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,246.98	964.30
26 21 16 00-0005	MLF 1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,605.31	964.30
26 21 16 00-0006	MLF 2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,952.19	1,028.62
26 21 16 00-0007	MLF 3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,647.55	1,186.87

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 21 Low-Voltage Electrical Service Entrance

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 21	16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	5,816.79	1,542.89
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26 22 Low-Voltage Transformers (26 20)

26 22 13 Low-Voltage Distribution Transformers (26 22)

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	673.44	213.64
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	887.50	256.37
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,070.04	267.48
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,254.11	277.73
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,693.30	299.09
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,985.26	320.47
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	67.22	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	100.83	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,167.46	341.83
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	74.19	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	111.29	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,152.32	384.56
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	69.16	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	103.74	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,537.68	427.28
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	84.16	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	126.23	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,306.95	512.75
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	114.07	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	171.11	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,147.14	598.20
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	147.54	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	221.31	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,432.59	769.11
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	244.72	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	367.08	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,165.13	940.03
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	464.25	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	696.38	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	17,116.53	1,068.21
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	749.01	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,123.51	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	772.94	256.37
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	886.47	267.05
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,048.91	277.73
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,210.76	299.09

26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,985.26	320.47
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,167.46	341.83

26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	442.38	150.62
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26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2.....	48.43	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2.....	61.73	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2.....	73.61	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2.....	87.81	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2.....	118.81	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2.....	142.05	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2.....	174.34	

26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)

Note: 2-5 Percent FCBN taps.

26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	1,246.07	267.05
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	1,387.95	277.73
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	1,502.47	299.09
26 22 13 00-0039	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	1,814.56	320.47
26 22 13 00-0040	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	2,434.23	341.83

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 22 13 00-0041		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042	EA	0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	920.49	192.28
26 22 13 00-0043	EA	1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,260.23	213.64
26 22 13 00-0044	EA	2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,474.83	256.37
26 22 13 00-0045	EA	5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,618.88	267.05
26 22 13 00-0046	EA	7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,808.12	277.73
26 22 13 00-0047	EA	10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,289.92	299.09
26 22 13 00-0048	EA	15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,924.10	320.47
26 22 13 00-0049		1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050	EA	15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,546.99	320.47
26 22 13 00-0051	EA	25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,686.04	341.83
26 22 13 00-0052	EA	30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,835.35	363.19
26 22 13 00-0053	EA	37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,992.68	384.56
26 22 13 00-0054	EA	45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	5,192.76	405.92
26 22 13 00-0055	EA	50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	6,842.32	427.28
26 22 13 00-0056		3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small> Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057		Packaged Power Supply <small>(26 22 13 00-0056)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	5,249.87 170.63 255.94	918.67
26 22 13 00-0059	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	6,194.40 211.44 317.17	982.75
26 22 13 00-0060	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	7,325.20 259.44 389.16	1,068.21
26 22 13 00-0061		Drive Isolation Transformers <small>(26 22 13 00-0056)</small> Note: Only use in step-up applications.		
26 22 13 00-0062		230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,703.99	341.83
26 22 13 00-0064	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,311.63	363.19
26 22 13 00-0065	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,467.33	384.56
26 22 13 00-0066	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,243.68	405.92
26 22 13 00-0067	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,445.12	448.65
26 22 13 00-0068	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,985.52	491.37
26 22 13 00-0069	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,754.89	534.11
26 22 13 00-0070	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,845.67	598.20
26 22 13 00-0071	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,474.38	619.56
26 22 13 00-0072	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,738.80	640.92
26 22 13 00-0073	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,166.18	662.29
26 22 13 00-0074	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,699.01	811.84
26 22 13 00-0075	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,250.20	854.57
26 22 13 00-0076	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,422.03	897.29
26 22 13 00-0077	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,236.12	1,068.21
26 22 13 00-0078	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,043.98	1,260.49
26 22 13 00-0079	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	29,635.03	1,388.67
26 22 13 00-0080	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	36,000.41	1,538.23
26 22 13 00-0081	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	44,323.16	1,709.13
26 22 13 00-0082		208V Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,857.73	341.83
26 22 13 00-0084	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,494.12	363.19
26 22 13 00-0085	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,655.57	384.56
26 22 13 00-0086	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,469.26	405.92
26 22 13 00-0087	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,676.61	448.65
26 22 13 00-0088	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,197.44	470.01
26 22 13 00-0089	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,087.07	555.47
26 22 13 00-0090	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,184.11	598.20
26 22 13 00-0091	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,842.65	619.56
26 22 13 00-0092	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,169.26	640.92
26 22 13 00-0093	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,718.02	662.29
26 22 13 00-0094	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,313.65	811.84
26 22 13 00-0095	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,939.44	854.57
26 22 13 00-0096	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,217.46	897.29
26 22 13 00-0097	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,208.29	1,068.21
26 22 13 00-0098		480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,673.03	352.51

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 22 13 00-0100	EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,469.48 135.02 202.53	384.56
26 22 13 00-0101	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN		
	Taps (26 22 13 00-0056)		
26 22 13 00-0102	EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	3,906.31 148.31 222.47 2,076.40 2,966.28 3,856.16	470.01
26 22 13 00-0103	EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,691.97 183.32 274.99 2,566.54 3,666.49 4,766.44	512.75
26 22 13 00-0104	EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	4,914.02 190.15 285.23 2,662.16 3,803.08 4,944.00	555.47
26 22 13 00-0105	EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	6,394.36 259.90 389.85 3,638.57 5,197.96 6,757.35	598.20
26 22 13 00-0106	EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	6,328.29 252.32 378.48 3,532.51 5,046.44 6,560.37	640.92
26 22 13 00-0107	EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,864.53 316.32 474.47 4,428.41 6,326.30 8,224.19	769.11
26 22 13 00-0108	EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	10,146.22 421.85 632.78 5,905.96 8,437.09 10,968.22	854.57
26 22 13 00-0109	EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	13,793.84 582.87 874.31 8,160.19 11,657.42 15,154.65	1,068.21
26 22 13 00-0110	EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	16,823.72 708.73 1,063.09 9,922.19 14,174.56 18,426.93	1,324.59
26 22 13 00-0111	EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	24,003.70 1,037.82 1,556.73 14,529.44 20,756.34 26,983.24	1,623.68
26 22 13 00-0112	EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	54,560.49 2,531.47 3,797.21 35,440.63 50,629.47 65,818.31	1,956.91
26 22 13 00-0113	EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	71,679.41 3,370.33 5,055.49 47,184.60 67,406.57 87,628.54	2,136.42
26 22 13 00-0114	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
	Taps (26 22 13 00-0056)		
26 22 13 00-0115	EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,196.15 1,073.70 1,533.86 1,994.02	331.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0116	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	2,673.03 1,377.61 1,968.02 2,558.43	352.51
26 22 13 00-0117	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	3,469.48 135.02 202.53 1,890.26 2,700.37 3,510.48	384.56
26 22 13 00-0118			480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
26 22 13 00-0119	EA		30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	6,586.47 282.32 423.48 3,952.51 5,646.44 7,340.37	470.01
26 22 13 00-0120	EA		45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	7,394.30 314.17 471.25 4,398.35 6,283.36 8,168.37	555.47
26 22 13 00-0121	EA		75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	10,838.09 477.81 716.72 6,689.37 9,556.24 12,423.11	640.92
26 22 13 00-0122	EA		112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	13,592.07 602.69 904.04 8,437.69 12,053.84 15,669.99	769.11
26 22 13 00-0123	EA		150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	16,341.68 731.63 1,097.44 10,242.79 14,632.55 19,022.32	854.57
26 22 13 00-0124	EA		225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	20,936.40 940.00 1,410.00 13,159.99 18,799.98 24,439.97	1,068.21
26 22 13 00-0125	EA		300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	25,466.30 1,140.86 1,711.29 15,972.00 22,817.14 29,662.28	1,324.59
26 22 13 00-0126	EA		500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	40,723.28 1,873.80 2,810.69 26,233.14 37,475.92 48,718.70	1,623.68
26 22 13 00-0127			3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0128			3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,252.40	384.56
26 22 13 00-0130	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,873.69	470.01
26 22 13 00-0131	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,100.89	555.47
26 22 13 00-0132	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,046.59	640.92
26 22 13 00-0133	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	13,515.73	769.11
26 22 13 00-0134	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,408.47	854.57
26 22 13 00-0135	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,111.51	1,068.21
26 22 13 00-0136	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	30,211.02	1,324.59
26 22 13 00-0137			3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,750.96	384.56
26 22 13 00-0139	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,660.90	470.01
26 22 13 00-0140	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,298.40	555.47
26 22 13 00-0141	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,597.16	640.92
26 22 13 00-0142	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	15,910.76	769.11
26 22 13 00-0143	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,349.77	854.57
26 22 13 00-0144	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	22,506.05	1,068.21
26 22 13 00-0145	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	35,723.87	1,324.59

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)			
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)			
		Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,965.27		382.87
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,616.85		467.96
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,363.75		553.04
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,892.20		638.12
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,911.00		765.74
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,873.65		850.83
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,111.40		1,063.54
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,513.96		1,318.78
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,627.05		382.87
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,418.47		467.96
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,341.26		553.04
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,277.21		638.12
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,340.54		765.74
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,325.25		850.83
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,406.91		1,063.54
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,276.87		1,318.78
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,286.16		382.87
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,222.31		467.96
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,318.79		553.04
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,659.99		638.12
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,144.17		765.74
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,776.85		850.83
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,702.43		1,063.54
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,039.78		1,318.78
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)			
		Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)			
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,065.71		382.87
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,955.10		467.96
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,991.46		553.04
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,199.06		638.12
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,170.88		765.74
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,044.26		850.83
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,716.00		1,063.54
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,616.92		1,318.78

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 22 13 00-0185		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
	26 22 13 00-0186	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,724.82	382.87
	26 22 13 00-0187	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,758.95	467.96
	26 22 13 00-0188	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,968.99	553.04
	26 22 13 00-0189	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,584.07	638.12
	26 22 13 00-0190	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,680.17	765.74
	26 22 13 00-0191	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,555.55	850.83
	26 22 13 00-0192	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,694.91	1,063.54
	26 22 13 00-0193	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	35,410.16	1,318.78
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
	26 22 13 00-0195	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,386.14	382.87
	26 22 13 00-0196	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,562.78	467.96
	26 22 13 00-0197	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,946.50	553.04
	26 22 13 00-0198	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,966.85	638.12
	26 22 13 00-0199	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,499.18	765.74
	26 22 13 00-0200	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,646.01	850.83
	26 22 13 00-0201	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	28,671.58	1,063.54
	26 22 13 00-0202	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	42,433.17	1,318.78
26 22 13 00-0203		3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
	26 22 13 00-0204	EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	656.01	
	26 22 13 00-0205	EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,114.02	
	26 22 13 00-0206	EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	1,114.02	
26 22 13 00-0207		Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
	26 22 13 00-0208	EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	651.44	150.62
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22 13 00-0211		Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
	26 22 13 00-0212	EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification.....	1,202.05	
	26 22 13 00-0213	EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification.....	195.47	
	26 22 13 00-0214	EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	781.86	
	26 22 13 00-0215	EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification.....	2,252.60	
	26 22 13 00-0216	EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification.....	275.95	
	26 22 13 00-0217	EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	218.46	
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
	26 22 13 00-0219	EA Containment Area For 75 KVA.....	4,788.70	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,102.02	
	26 22 13 00-0220	EA Containment Area For 112.5 KVA.....	4,788.70	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,102.02	
	26 22 13 00-0221	EA Containment Area For 150 KVA.....	4,788.70	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,102.02	
	26 22 13 00-0222	EA Containment Area For 225 KVA.....	4,788.70	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,102.02	
	26 22 13 00-0223	EA Containment Area For 300 KVA.....	4,782.77	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,100.24	
	26 22 13 00-0224	EA Containment Area For 500 KVA.....	4,782.77	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,100.24	
	26 22 13 00-0225	EA Containment Area For 750 KVA.....	4,814.96	1,653.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	1,100.24	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0226	EA		Containment Area For 1,000 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,281.78 1,100.24	1,653.00
26 22 13 00-0227			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 22 13 00-0210) Note: Rated to 5 KVA.		
26 22 13 00-0228	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,818.16	1,021.00
26 22 13 00-0229	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,508.04	1,021.00
26 22 13 00-0230	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,967.96	1,021.00
26 22 13 00-0231	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	10,347.72	1,021.00
26 22 13 00-0232	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,263.28	1,531.50
26 22 13 00-0233	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,723.20	1,531.50
26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,242.25	1,531.50
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,075.20	2,041.99
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,054.16	2,041.99
26 22 13 00-0237			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 22 13 00-0210) Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,048.12	1,021.00
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,967.96	1,021.00
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,197.92	1,021.00
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,427.88	1,021.00
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,263.28	1,531.50
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,183.13	1,531.50
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,242.25	1,531.50
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,305.16	2,041.99
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	28,054.16	2,041.99
26 22 13 00-0247			Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)		
26 22 13 00-0248	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	50,608.84	3,791.72
26 22 13 00-0249	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	62,154.50	4,360.50
26 22 13 00-0250	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	70,527.77	4,589.98
26 22 13 00-0251	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	75,010.39	5,129.99
26 22 13 00-0252	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	83,911.66	5,285.44
26 22 13 00-0253			Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0254	EA		Single Phase Foam Core Poly Pads..... Note: Excludes site prep.	193.65	29.51
26 24			Switchboards and Panelboards (26 20)		
26 24 13			Switchboards (26 24)		
26 24 13 00-0001			Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002			Incoming Service Section Main Device Only (26 24 13 00-0001) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,462.81	721.65
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,859.79	763.32
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,521.08	865.87
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,028.06	928.24
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	11,667.31	989.70
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	13,051.95	1,052.33
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,311.26	721.65
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,647.91	763.32
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,026.96	866.61
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,180.83	928.24
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,667.31	990.70
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,051.95	1,052.33
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,817.24	1,100.17
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	17,976.47	1,178.64
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	21,318.00	1,270.55

			TOTAL DIRECT	DEMOLITION
MINOR	CSI	UOM DESCRIPTION	UNIT COST	UNIT COST

26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,232.81	639.40
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,489.38	680.73
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,848.14	783.61
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,089.50	816.53
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,310.09	845.99
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,643.87	907.04
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,943.90	969.25

26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	325.68	25.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>15.10</i>	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	475.03	39.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>23.76</i>	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,302.61	72.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>43.31</i>	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,339.35	94.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.43</i>	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,117.35	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>138.58</i>	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,700.57	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>138.58</i>	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,834.44	411.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>247.01</i>	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)
26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)
Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,928.37	936.41
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	5,543.63	936.41
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	8,519.32	1,216.92
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	9,709.58	1,216.92

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)
Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,123.63	639.40
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,502.36	680.73
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	5,568.64	783.61
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,055.09	845.33
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	3,929.06	639.40
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,061.58	680.73
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,241.45	783.61
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	10,617.46	845.33
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,498.86	948.78
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,101.55	556.81
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,375.28	598.23
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,789.28	701.11
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,018.65	734.02
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,242.54	763.32
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,527.89	816.53
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,809.05	865.87
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,730.49	1,072.54
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,313.67	1,175.67
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,342.33	1,268.48

26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	168.66	21.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.12</i>	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	266.74	36.30
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>21.78</i>	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	858.72	50.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>30.44</i>	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,531.15	65.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>39.11</i>	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	3,943.76	158.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>95.28</i>	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	5,657.88	158.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>95.28</i>	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	9,297.52	303.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>181.94</i>	

26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)
Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,463.83	721.65
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,858.66	763.32

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards and Panelboards



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,519.63	865.87
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,026.39	928.24
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	11,663.51	989.70
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,051.95	1,052.33
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,312.28	721.65
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,646.78	763.32
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,026.96	866.61
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,179.16	928.24
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,665.40	990.70
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,051.95	1,052.33
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,368.11	639.40
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,674.55	680.73
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,126.54	783.61
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,385.05	816.53
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,636.75	845.99
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,956.70	907.04
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,280.79	969.25
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,120.09	1,101.42
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,696.90	1,178.56
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,824.73	1,266.42
26 24 13 00-0092		Branch Breaker Units (26 24 13 00-0069) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	325.68	25.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.10	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	475.03	39.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,302.61	72.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.31	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,339.35	94.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.43	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,117.35	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.58	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,700.57	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.58	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,834.44	411.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.01	
26 24 13 00-0100		Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101		Incoming Service Section Main Device Only (26 24 13 00-0100) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,447.36	989.70
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,908.17	1,052.33
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,235.09	1,174.59
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,929.60	1,257.67
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,887.83	989.70
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,136.77	1,052.33
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,232.41	1,175.92
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,837.99	1,257.67
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,366.22	1,341.09
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,796.15	1,424.42
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,368.11	639.40
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,674.55	680.73
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,126.54	783.61
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,385.05	816.53
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,636.75	845.99
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,956.70	907.04
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,280.79	969.25
26 24 13 00-0119		Branch Breaker Units (26 24 13 00-0100) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	695.70	25.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.10	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	793.42	39.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,438.57	72.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.31	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,339.35	94.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.43	
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,600.85	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.58	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,733.37	231.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.58	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	9,166.79	411.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.01	
26 24 13 00-0127		Fusible Branch Circuit Switch (26 24 13)		
26 24 13 00-0128		240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0129	EA		30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	685.72 300.86	64.76
26 24 13 00-0130	EA		30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	683.14 300.86	64.76
26 24 13 00-0131	EA		60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	683.14 300.86	64.76
26 24 13 00-0132	EA		60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,085.17 300.86	85.39
26 24 13 00-0133	EA		100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,085.17 300.86	85.39
26 24 13 00-0134			240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135	EA		100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	792.82 288.22	63.53
26 24 13 00-0136	EA		200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,179.31 288.22	63.53
26 24 13 00-0137	EA		400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,024.87	171.20
26 24 13 00-0138			240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139	EA		30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	886.72 300.86	73.02
26 24 13 00-0140	EA		30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	884.14 300.86	73.02
26 24 13 00-0141	EA		60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	884.14 300.86	73.02
26 24 13 00-0142	EA		60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,341.64 300.86	97.77
26 24 13 00-0143	EA		100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,341.64 300.86	97.77
26 24 13 00-0144			240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145	EA		100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	964.38 300.86	71.77
26 24 13 00-0146	EA		200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,594.43 288.22	71.77
26 24 13 00-0147	EA		400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,081.37	191.65
26 24 13 00-0148	EA		600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	5,850.99	245.53
26 24 13 00-0149	EA		800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	10,989.92	332.65
26 24 13 00-0150			600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151	EA		30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,276.87 300.86	73.02
26 24 13 00-0152	EA		30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,274.26 300.86	73.02
26 24 13 00-0153	EA		60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,276.87 300.86	73.02
26 24 13 00-0154	EA		60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,930.32 300.86	97.77
26 24 13 00-0155	EA		100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,973.88 300.86	97.77
26 24 13 00-0156	EA		200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	4,267.20 300.86	127.88
26 24 13 00-0157			600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158	EA		100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,384.58 300.86	71.77
26 24 13 00-0159	EA		200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,127.89 288.22	71.77
26 24 13 00-0160	EA		400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	5,163.47 288.22	191.65
26 24 13 00-0161	EA		600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,260.57	245.53
26 24 13 00-0162	EA		800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	10,989.92	332.65
26 24 13 00-0163			Service And Distribution Structures <small>(26 24 13)</small>		
26 24 13 00-0164			Distribution Section 600 Volt, 250 Volt DC <small>(26 24 13 00-0163)</small>		
26 24 13 00-0165			600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,122.59	759.02
26 24 13 00-0167	EA		24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,575.17	759.02
26 24 13 00-0168	EA		34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,866.85	965.28
26 24 13 00-0169	EA		42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,133.38	965.28
26 24 13 00-0170			800 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0171	EA		14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,365.14	878.65
26 24 13 00-0172	EA		24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,807.18	878.65
26 24 13 00-0173	EA		34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,133.38	1,089.04
26 24 13 00-0174	EA		42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,372.82	1,089.04

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,740.56	1,072.54
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,191.61	1,072.54
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,536.51	1,320.05
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,887.29	1,320.05
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,506.85	1,175.67
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,030.00	1,175.67
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,435.25	1,452.06
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,740.81	1,452.06
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,659.80	1,179.79
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,218.89	1,328.29
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,329.48	1,328.29
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,491.37	1,402.55
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,270.25	1,328.29
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,379.19	1,328.29
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,541.08	1,402.55
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,376.02	1,402.55
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,541.08	1,402.55
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,599.54	1,402.55
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	497.42	99.00
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	559.83	99.00
26 24 13 00-0201 EA Cable Supports In Pull Box.....	210.89	24.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.75	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	470.71	115.51
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	839.91	148.50
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	839.91	148.50
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	619.83	115.51
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	903.26	169.13
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,024.35	169.13
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,065.32	218.63
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,115.24	218.63
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	3,902.18	687.49
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,278.12	747.31
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,352.55	954.89
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,855.80	1,041.68
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,246.59	1,108.92
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	4,795.45	603.10
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	2,566.92	572.90
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	2,854.01	621.25
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	4,854.67	687.49
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,219.63	689.31
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	5,733.78	769.59
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	136.72	41.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.19	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	168.06	42.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.76	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	865.65	49.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.12	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,454.98	106.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.29	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	560.10	148.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.56	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,678.74	85.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.12	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,021.68	358.06
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,893.75	484.21
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,213.50	589.31
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,994.21	825.03
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,943.17	1,031.29

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,523.39	1,031.29
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,745.97	1,375.08
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,858.52	1,375.08
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,226.67	1,636.94
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,273.88	1,636.94
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,376.86	866.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	518.67	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	13,558.42	1,443.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	865.42	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	31,146.33	2,425.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,442.36	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	50,085.18	3,927.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,398.34	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,786.02	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	359.81	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	472.04	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	340.00	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	8,716.10	907.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	547.10	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	16,317.48	1,526.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	911.30	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	35,115.64	2,516.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,516.60	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	54,000.00	4,125.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,535.95	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	5,795.33	792.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	475.98	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	10,697.05	1,328.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	793.30	
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	15,678.38	2,227.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,322.16	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	27,154.21	3,588.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,202.04	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	44,095.27	5,857.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3,661.37	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	6,966.47	759.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	453.98	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,111.00	1,270.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	756.44	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	18,446.43	2,112.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1,262.80	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	30,419.45	3,440.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2,104.67	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	47,298.71	5,898.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3,515.75	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	2,223.60	693.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	399.21	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,432.96	693.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	434.23	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,814.75	825.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	475.98	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,595.61	825.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	515.64	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	7,062.86	990.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	565.09	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	11,763.51	990.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	625.02	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	356.50	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	82.52	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0278	EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.53 35.87	59.81
26 24 13 00-0279	EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	607.51 47.60	79.37
26 24 13 00-0280	EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,837.35 71.70	119.47
26 24 13 00-0281	EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,434.57 89.94	149.91
26 24 13 00-0282	EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,932.33 120.62	201.06
26 24 13 00-0283	EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,530.33 154.69	257.82
26 24 13 00-0284	EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,694.37 235.72	392.88
26 24 13 00-0285	EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,694.37 235.72	392.88
26 24 13 00-0286	EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,987.45 330.01	550.05
26 24 13 00-0287	EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,864.86 495.02	825.03
26 24 13 00-0288	Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289	EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,532.09 214.85	358.06
26 24 13 00-0290	EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,600.16 235.28	392.13
26 24 13 00-0291	EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,994.53 353.59	589.31
26 24 13 00-0292	EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,098.17 495.02	825.03
26 24 13 00-0293	EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,273.40 547.59	912.64
26 24 13 00-0294	EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,885.55 982.18	1,636.94
26 24 13 00-0295	Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296	3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.19 19.80	29.70
26 24 13 00-0298	EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.46 24.75	37.13
26 24 13 00-0299	EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,083.87 29.70	44.55
26 24 13 00-0300	EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,572.84 38.36	57.75
26 24 13 00-0301	EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,219.07 47.52	71.28
26 24 13 00-0302	EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,908.02 55.69	83.33
26 24 13 00-0303	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,444.51 62.87	94.06
26 24 13 00-0304	2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.77 14.85	22.27
26 24 13 00-0306	EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	392.69 19.80	29.70
26 24 13 00-0307	EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,081.21 24.75	37.13
26 24 13 00-0308	EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,715.92 27.23	41.25
26 24 13 00-0309	EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,811.57 35.89	53.62
26 24 13 00-0310	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,112.72 51.98	77.96
26 24 13 00-0311	Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312	Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313	EA Compartment For, Up To 800 Amperes, Primary Current Transformer.....	430.78	
26 24 13 00-0314	EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	622.23	
26 24 13 00-0315	EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	732.82	
26 24 13 00-0316	Instruments (26 24 13 00-0311)		
26 24 13 00-0317	EA AC Voltmeter.....	587.57	
26 24 13 00-0318	EA AC Ammeter.....	587.57	
26 24 13 00-0319	EA AC Wattmeter.....	1,569.61	
26 24 13 00-0320	EA Variometer.....	1,772.62	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0321	EA	Power Factor Meter	1,416.12	
26 24 13 00-0322	EA	Frequency Meter.....	1,563.01	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer.....	528.16	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,988.84	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,327.38	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,040.26	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	66.76	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour.....	4,013.66	

26 24 16 Panelboards (26 24)

26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)
 Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)
 Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,055.32	235.13
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,190.83	235.13
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,345.00	325.89
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,503.62	325.89
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	1,650.76	408.39
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	1,801.82	408.39
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	1,948.42	470.27
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0011	EA	125 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,131.18	569.27
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,058.54</i>	
26 24 16 00-0012	EA	200 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	2,901.99	799.46
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,327.91	602.28
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,164.10</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>85.06</i>	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,441.71	602.28
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,164.10</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>85.06</i>	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,557.81	688.90
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,164.10</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>85.06</i>	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	2,747.35	688.90
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	2,866.29	775.53
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,038.60	775.53
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,138.65	858.03
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	3,318.89	858.03
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	3,478.34	948.78
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,375.08</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>145.28</i>	
26 24 16 00-0022	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	3,594.12	948.78
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,431.18</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>185.67</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0023	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,748.57 1,431.18 185.67	948.78
26 24 16 00-0024			120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0025	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,284.91 1,058.54	226.89
26 24 16 00-0026	EA		50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,422.21 1,058.54	226.89
26 24 16 00-0027	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,725.97 1,058.54	387.76
26 24 16 00-0028	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,961.43 1,058.54	387.76
26 24 16 00-0029	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,111.75 1,058.54	474.39
26 24 16 00-0030	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,267.69 1,058.54	474.39
26 24 16 00-0031	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,407.69 1,058.54	569.27
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,922.87 1,164.10 85.06	569.27
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,045.52 1,164.10 85.06	697.15
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,177.52 1,164.10 85.06	697.15
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,320.76 1,375.08 145.28	783.78
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,439.57 1,375.08 145.28	783.78
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,565.32 1,375.08 145.28	858.03
26 24 16 00-0038	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,699.06 1,375.08 145.28	858.03
26 24 16 00-0039	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,842.10 1,375.08 145.28	1,014.79
26 24 16 00-0040	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,996.04 1,375.08 145.28	1,014.79
26 24 16 00-0041	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,162.85 1,431.18 185.67	1,014.79
26 24 16 00-0042	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,269.64 1,431.18 185.67	1,072.54
26 24 16 00-0043			120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0044	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,282.90 1,058.54	268.13
26 24 16 00-0045	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,431.72 1,058.54	268.13
26 24 16 00-0046	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,602.30 1,058.54	358.89
26 24 16 00-0047	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,783.81 1,058.54	358.89

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0048 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	1,945.05	441.39
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0049 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,116.55	441.39
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0050 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,279.36	523.89
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0051 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,442.90	523.89
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0052 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,600.23	614.65
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0053 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,781.51	614.65
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0054 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	2,961.69	709.52
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0055 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,142.94	709.52
<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0056 EA 200 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,531.41	904.65
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0057 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,490.92	858.03
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0058 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,604.70	858.03
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0059 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	3,818.73	952.90
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0060 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,005.77	952.90
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0061 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,144.39	1,039.54
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0062 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,323.84	1,039.54
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0063 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,293.51	922.39
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0064 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,419.38	969.41
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0065 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,641.76	1,020.98
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0066 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,840.90	1,080.79
<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0067 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,986.40	1,113.79
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0068 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,209.99	1,181.86
<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0069 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,568.12	259.88
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0071 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,718.63	259.88
<i>For NEMA 3R Panelboard, Add</i>	1,058.54	

26 Electrical
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0072	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,901.75	342.39
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0073	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,171.51	342.39
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0074	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,517.37	515.64
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0075	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,676.06	515.64
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0076	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,845.41	602.28
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0077	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,983.22	602.28
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0078	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,174.75	697.15
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0079	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,299.42	697.15
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0080	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,516.19	783.78
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0081	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,705.99	783.78
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0082	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,381.68	907.53
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0083	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,568.15	957.04
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0084	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,643.19	957.04
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0085	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,850.23	1,080.79
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0086	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,001.29	1,080.79
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0087	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,091.07	1,080.79
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0088	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,205.70	994.16
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0089	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,407.49	1,051.92
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0090	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,484.57	1,080.79
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0091	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,706.73	1,146.79
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0092	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,856.45	1,179.79
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0093	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,990.48	1,221.05
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0094			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0092)</small>		
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,474.56	264.01
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,675.36	264.01
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,869.07	363.01
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,069.86	363.01
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,259.08	453.76
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,456.89	453.76
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,662.05	548.64
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,852.52	548.64
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0103	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,059.01	651.78
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0104	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,259.39	651.78
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0105	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,445.96	742.53
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0106	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,643.77	742.53
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0107	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,054.42	903.40
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0108	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,252.03	903.40
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0109	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,460.54	990.04
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0110	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,620.63	990.04
			<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0111	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,849.35	1,093.16
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0112	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,020.97	1,093.16
			<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0113			480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0114	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,891.77	280.51
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0115	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,088.66	305.26
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0116	EA		50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,287.40	379.51
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0117	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,740.37	462.02
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0118	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,927.22	511.52
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0119	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,099.59	552.77
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0120	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,287.21	602.28
			<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0121	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,468.60	651.78
			<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards and Panelboards

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,636.53	693.02
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0123	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,815.01	734.27
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0124	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,006.27	783.78
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0125	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,213.15	845.66
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,393.08	940.53
		<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,592.40	998.28
		<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,740.83	1,023.03
		<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0129	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,962.03	1,089.04
		<i>For NEMA 3R Panelboard, Add</i>	1,375.08	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0130	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,122.94	1,130.29
		<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0131	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,288.94	1,165.77
		<i>For NEMA 3R Panelboard, Add</i>	1,431.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	

26 24 16 00-0132 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-

26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,816.37	288.76
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,045.55	288.76
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0135	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,269.72	383.64
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0136	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,495.43	383.64
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0137	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,724.22	474.39
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,949.03	474.39
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,176.92	569.27
		<i>For NEMA 3R Panelboard, Add</i>	1,058.54	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,404.04	569.27
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,648.87	668.27
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0142	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,859.74	668.27
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0143	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,080.52	672.40
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0144	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,313.28	672.40
		<i>For NEMA 3R Panelboard, Add</i>	1,164.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0145	EA	200 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,921.39	982.20
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0146 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,902.85 1,375.08 145.28	932.29
26 24 16 00-0147 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,141.49 1,375.08 145.28	932.29
26 24 16 00-0148 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,334.21 1,375.08 145.28	981.79
26 24 16 00-0149 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,591.39 1,375.08 145.28	1,047.78
26 24 16 00-0150 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,794.64 1,431.18 185.67	1,047.78
26 24 16 00-0151 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,076.00 1,431.18 185.67	1,146.79
26 24 16 00-0152 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0153 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,369.27 1,058.54	354.76
26 24 16 00-0154 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,603.03 1,058.54	354.76
26 24 16 00-0155 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,829.32 1,058.54	470.27
26 24 16 00-0156 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,364.26 1,058.54	470.27
26 24 16 00-0157 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,578.28 1,058.54	594.02
26 24 16 00-0158 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,791.99 1,058.54	594.02
26 24 16 00-0159 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,999.48 1,058.54	680.65
26 24 16 00-0160 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,193.50 1,164.10 85.06	680.65
26 24 16 00-0161 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,398.07 1,164.10 85.06	775.53
26 24 16 00-0162 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,615.41 1,164.10 85.06	775.53
26 24 16 00-0163 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,806.48 1,164.10 85.06	858.03
26 24 16 00-0164 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,005.54 1,164.10 85.06	858.03
26 24 16 00-0165 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,666.79 1,375.08 145.28	1,014.79
26 24 16 00-0166 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,903.26 1,375.08 145.28	1,014.79
26 24 16 00-0167 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,085.78 1,375.08 145.28	1,109.66
26 24 16 00-0168 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,346.44 1,375.08 145.28	1,109.66
26 24 16 00-0169 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,542.87 1,431.18 185.67	1,212.79

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0170	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,744.96		1,212.79
		<i>For NEMA 3R Panelboard, Add</i>	1,431.18		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0171	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,269.84		1,350.58
		<i>For NEMA 3R Panelboard, Add</i>	1,431.18		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0172	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	11,300.62		1,621.18
		<i>For NEMA 3R Panelboard, Add</i>	1,431.18		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0173		Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.			
26 24 16 00-0174		240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.			
26 24 16 00-0175		Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			
26 24 16 00-0176	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	603.92		
26 24 16 00-0177	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	691.36		
26 24 16 00-0178	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	925.92		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0179	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,065.57		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0180	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,202.85		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0181	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,338.29		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0182	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,450.18		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0183	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,584.72		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0184	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,667.32		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0185	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,776.95		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0186	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,932.28		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0187		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			
26 24 16 00-0188	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	893.97		
26 24 16 00-0189	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,007.05		
26 24 16 00-0190	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,601.67		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0191	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,771.38		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0192	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,927.88		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0193	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,440.57		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0194	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,616.34		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0195	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,779.15		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0196		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0197	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,262.04	
26 24 16 00-0198	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,341.96	
26 24 16 00-0199	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,560.85	
26 24 16 00-0200	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,697.37	
26 24 16 00-0201	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,822.74	
26 24 16 00-0202	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,079.77	
26 24 16 00-0203	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,183.51	
26 24 16 00-0204	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,310.53	
26 24 16 00-0205	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,450.80	
26 24 16 00-0206	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,556.24	
26 24 16 00-0207	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,700.00	

26 24 16 00-0208 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0174)

26 24 16 00-0209	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,544.57	
26 24 16 00-0210	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,649.50	
26 24 16 00-0211	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,358.20	
26 24 16 00-0212	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,512.87	
26 24 16 00-0213	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,658.08	
26 24 16 00-0214	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,155.10	
26 24 16 00-0215	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,323.35	
26 24 16 00-0216	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,484.28	

26 24 16 00-0217 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0173)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0218 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0217)

26 24 16 00-0219	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	677.81	
26 24 16 00-0220	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	794.42	
26 24 16 00-0221	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	888.90	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0222	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	995.18	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0223	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,143.55	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0224	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,263.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0225	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,455.29	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0226	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,564.84	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0227	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,684.07	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0228	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,798.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0229	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,991.23	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0230	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,374.75	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	

26 24 16 00-0231 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0217)

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0232	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,051.24	
26 24 16 00-0233	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,183.64	
26 24 16 00-0234	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,333.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0235	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,001.48	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0236	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,163.87	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0237	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,306.66	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0238	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,225.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06	
26 24 16 00-0239	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,386.19	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28	
26 24 16 00-0240	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,520.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67	
26 24 16 00-0241			Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>		
26 24 16 00-0242	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,335.93	
26 24 16 00-0243	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,445.02	
26 24 16 00-0244	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,531.35	
26 24 16 00-0245	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,630.11	
26 24 16 00-0246	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,775.35	
26 24 16 00-0247	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,883.51	
26 24 16 00-0248	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,196.78	
26 24 16 00-0249	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,298.18	
26 24 16 00-0250	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,409.88	
26 24 16 00-0251	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,581.58	
26 24 16 00-0252	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,760.29	
26 24 16 00-0253	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,143.81	
26 24 16 00-0254			Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>		
26 24 16 00-0255	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,701.84	
26 24 16 00-0256	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,826.09	
26 24 16 00-0257	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,971.46	
26 24 16 00-0258	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,758.00	
26 24 16 00-0259	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,905.35	
26 24 16 00-0260	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,036.86	
26 24 16 00-0261	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,597.62	
26 24 16 00-0262	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,764.36	
26 24 16 00-0263	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,909.73	
26 24 16 00-0264			480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0173)</small>		
			Note: As manufactured by Square D or equal.		
26 24 16 00-0265			Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0266	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	992.47	
26 24 16 00-0267	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,082.77	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0268	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,484.04	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0269	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,649.40	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0270	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,791.85	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			185.67	
26 24 16 00-0271	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,766.52	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0272	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,855.04	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0273	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,011.36	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			185.67	
26 24 16 00-0274	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,063.41	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0275	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,211.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0276	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,409.63	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			185.67	

26 24 16 00-0277 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0264)

26 24 16 00-0278	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,069.94	
26 24 16 00-0279	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,135.61	
26 24 16 00-0280	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,316.03	
26 24 16 00-0281	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,433.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0282	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,652.18	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0283	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			3,451.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0284	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			3,594.00	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0285	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			3,775.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			185.67	
26 24 16 00-0286	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			3,863.10	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			85.06	
26 24 16 00-0287	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			4,037.68	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			145.28	
26 24 16 00-0288	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			4,200.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>			185.67	

26 24 16 00-0289 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0264)

26 24 16 00-0290	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,628.03	
26 24 16 00-0291	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			1,718.33	
26 24 16 00-0292	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,104.55	
26 24 16 00-0293	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,378.98	
26 24 16 00-0294	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,508.89	
26 24 16 00-0295	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,483.56	
26 24 16 00-0296	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,553.28	
26 24 16 00-0297	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,682.65	
26 24 16 00-0298	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,797.37	
26 24 16 00-0299	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			2,929.52	
26 24 16 00-0300	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard			3,094.92	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0301		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>			
26 24 16 00-0302	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,840.88		
26 24 16 00-0303	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,906.56		
26 24 16 00-0304	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,942.19		
26 24 16 00-0305	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,053.75		
26 24 16 00-0306	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,381.76		
26 24 16 00-0307	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,168.04		
26 24 16 00-0308	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,292.24		
26 24 16 00-0309	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,446.34		
26 24 16 00-0310	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,534.38		
26 24 16 00-0311	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,691.66		
26 24 16 00-0312	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,851.44		
26 24 16 00-0313		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal.			
26 24 16 00-0314		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>			
26 24 16 00-0315	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,035.09		
26 24 16 00-0316	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,126.02		
26 24 16 00-0317	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,299.44		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0318	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,546.75		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0319	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,713.44		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0320	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,854.68		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0321	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,849.54		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0322	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,957.84		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0323	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,113.03		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0324	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,165.40		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0325	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,313.39		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0326	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,512.64		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	185.67		
26 24 16 00-0327		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>			
26 24 16 00-0328	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,289.31		
26 24 16 00-0329	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,355.61		
26 24 16 00-0330	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,549.87		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0331	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,617.57		
26 24 16 00-0332	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,735.33		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		
26 24 16 00-0333	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,953.62		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	145.28		
26 24 16 00-0334	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,804.84		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	85.06		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0335	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,949.57 145.28	
26 24 16 00-0336	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,128.71 185.67	
26 24 16 00-0337	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,287.09 85.06	
26 24 16 00-0338	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,463.51 145.28	
26 24 16 00-0339	EA			400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,625.80 185.67	

26 24 16 00-0340 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0313)

26 24 16 00-0341	EA			125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,670.65	
26 24 16 00-0342	EA			125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,761.58	
26 24 16 00-0343	EA			125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,925.60	
26 24 16 00-0344	EA			250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,167.26	
26 24 16 00-0345	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,443.02	
26 24 16 00-0346	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,571.72	
26 24 16 00-0347	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,568.46	
26 24 16 00-0348	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,656.07	
26 24 16 00-0349	EA			400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,784.31	
26 24 16 00-0350	EA			600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,899.36	
26 24 16 00-0351	EA			600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,031.69	
26 24 16 00-0352	EA			600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,197.09	

26 24 16 00-0353 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0313)

26 24 16 00-0354	EA			100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,909.83	
26 24 16 00-0355	EA			100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,976.13	
26 24 16 00-0356	EA			100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,279.45	
26 24 16 00-0357	EA			125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,243.72	
26 24 16 00-0358	EA			125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,355.84	
26 24 16 00-0359	EA			125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,683.20	
26 24 16 00-0360	EA			250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,521.87	
26 24 16 00-0361	EA			250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,647.80	
26 24 16 00-0362	EA			250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,800.00	
26 24 16 00-0363	EA			400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,958.37	
26 24 16 00-0364	EA			400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,117.24	
26 24 16 00-0365	EA			400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,276.40	

26 24 16 00-0366 Residential Lighting And Power Panelboards (26 24 16 00-0001)
 See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0367 Residential Type Unassembled Load Center (26 24 16 00-0366)
 Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0368 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0367)

26 24 16 00-0369	EA			30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	122.14	41.25
26 24 16 00-0370	EA			70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	388.91	165.01
26 24 16 00-0371	EA			100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	598.55	235.54
26 24 16 00-0372	EA			125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,285.96	495.10

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0373	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,410.34		536.27
26 24 16 00-0374		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.			
26 24 16 00-0375	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	179.49		45.38
26 24 16 00-0376	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	345.97		49.50
26 24 16 00-0377		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>			
26 24 16 00-0378	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	183.13		45.38
26 24 16 00-0379	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	205.11		49.50
26 24 16 00-0380	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	671.19		235.54
26 24 16 00-0381	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,520.88		536.27
26 24 16 00-0382		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0383	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	234.76		45.38
26 24 16 00-0384	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,488.24		495.10
26 24 16 00-0385		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0367)</small>			
26 24 16 00-0386	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,630.19		495.10
26 24 16 00-0387	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,770.37		536.27
26 24 16 00-0388	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,041.93		825.03
26 24 16 00-0389		Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.			
26 24 16 00-0390	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,547.31		495.10
26 24 16 00-0391	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,781.44		536.27
26 24 16 00-0392	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	7,813.61		825.03
26 24 16 00-0393		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>			
26 24 16 00-0394	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,732.83		495.10
26 24 16 00-0395	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,945.64		536.27
26 24 16 00-0396		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0397	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,717.54		495.10
26 24 16 00-0398	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	2,799.92		536.27
26 24 16 00-0399		Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>			
26 24 16 00-0400		Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0399)</small>			
		Note: 30 Amp capacity. Excludes fuse.			
26 24 16 00-0401	EA	1 Pole Midget Finger-Safe Fuse Holder	53.26		14.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90		
26 24 16 00-0402	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	62.85		14.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90		
26 24 16 00-0403	EA	2 Pole Midget Finger-Safe Fuse Holder	85.99		22.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85		
26 24 16 00-0404	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	111.04		22.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85		
26 24 16 00-0405	EA	3 Pole Midget Finger-Safe Fuse Holder	126.48		29.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80		
26 24 16 00-0406	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	159.75		29.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80		
26 24 16 00-0407	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	187.58		29.70
		Note: With indicators.			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80		
26 24 16 00-0408	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	150.69		29.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	26 24 16 00-0409	EA		4 Pole Midget Finger-Safe Fuse Holder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.32 24.75	37.13	
	26 24 16 00-0410	EA		4 Pole With Indicator Midget Finger-Safe Fuse Holder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.86 24.75	37.13	
	26 24 16 00-0411	EA		12 To 24 Volt DC Midget Finger-Safe Fuse Holder..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.89 9.90	14.85	
	26 24 16 00-0412	EA		20 To 24 Volt DC Midget Finger-Safe Fuse Holder..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.98 9.90	14.85	
	26 24 16 00-0413	EA		35 To 48 Volt DC Midget Finger-Safe Fuse Holder..... Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.82 9.90	14.85	
26 24 16 00-0414	Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.						
	26 24 16 00-0415	EA		Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers..... Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,037.66 309.39		
	26 24 16 00-0416	EA		Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.45 16.09		
	26 24 16 00-0417	EA		Panelboard Filler Plate, Fits 1" Opening..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41 0.77		
26 24 19	Motor-Control Centers <small>(26 24)</small>						
	26 24 19 00-0001	Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.					
	26 24 19 00-0002	230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.					
	26 24 19 00-0003	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,268.37 45.19	75.31	
	26 24 19 00-0004	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,694.58 47.45	79.08	
	26 24 19 00-0005	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,037.89 49.71	82.85	
	26 24 19 00-0006	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,362.04 58.74	97.91	
	26 24 19 00-0007	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,895.11 67.78	112.97	
	26 24 19 00-0008	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,091.75 90.38	150.62	
	26 24 19 00-0009	480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.					
	26 24 19 00-0010	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,268.37 45.19	75.31	
	26 24 19 00-0011	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,694.58 47.45	79.08	
	26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,037.89 49.71	82.85	
	26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,362.04 58.74	97.91	
	26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,895.11 67.78	112.97	
	26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,091.75 90.38	150.62	
	26 24 19 00-0016	230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.					
	26 24 19 00-0017	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,313.95 45.19	75.31	
	26 24 19 00-0018	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,433.53 47.45	79.08	
	26 24 19 00-0019	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,379.37 49.71	82.85	
	26 24 19 00-0020	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,198.80 58.74	97.91	
	26 24 19 00-0021	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,105.64 67.78	112.97	
	26 24 19 00-0022	EA		230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,130.52 90.38	150.62	
	26 24 19 00-0023	480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.					
	26 24 19 00-0024	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,313.95 45.19	75.31	
	26 24 19 00-0025	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,433.53 47.45	79.08	
	26 24 19 00-0026	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,379.37 49.71	82.85	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0027	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,198.80 58.74	97.91
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,105.64 67.78	112.97
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,130.52 90.38	150.62
26 24 19 00-0030			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,009.07 72.30	120.50
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,543.79 76.82	128.03
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,203.80 81.33	135.57
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,729.85 92.63	154.40
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,460.87 108.46	180.75
26 24 19 00-0036			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,009.07 72.30	120.50
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,543.79 76.82	128.03
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,203.80 81.33	135.57
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,729.85 92.63	154.40
26 24 19 00-0041	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,460.87 108.46	180.75
26 24 19 00-0042			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,680.74 45.19	75.31
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,992.11 47.45	79.08
26 24 19 00-0045	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,591.44 49.71	82.85
26 24 19 00-0046	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,063.75 58.74	97.91
26 24 19 00-0047	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,340.89 67.78	112.97
26 24 19 00-0048			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,680.74 45.19	75.31
26 24 19 00-0050	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,992.11 47.45	79.08
26 24 19 00-0051	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,591.44 49.71	82.85
26 24 19 00-0052	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,063.75 58.74	97.91
26 24 19 00-0053	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,340.89 67.78	112.97
26 24 19 00-0054			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA		230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	6,947.80	79.08
26 24 19 00-0056	EA		230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	10,664.49	86.61
26 24 19 00-0057	EA		230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,012.80	97.91
26 24 19 00-0058	EA		230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	27,894.01	112.97
26 24 19 00-0059	EA		230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	47,753.42	150.62
26 24 19 00-0060			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA		480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	6,947.80	79.08
26 24 19 00-0062	EA		480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	10,664.49	86.61
26 24 19 00-0063	EA		480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,012.80	97.91
26 24 19 00-0064	EA		480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	27,894.01	112.97
26 24 19 00-0065	EA		480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	47,753.42	150.62
26 24 19 00-0066			230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067	EA		230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	4,693.58 72.30	120.50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit.....	6,075.87	139.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit.....	10,753.53	154.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	18,386.29	188.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	25,272.52	241.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0072		480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	4,693.58	120.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	6,075.87	139.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	10,753.53	154.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	18,386.29	188.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	25,272.52	241.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0078		230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	19,703.02	97.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	20,889.03	120.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	23,062.16	139.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	34,961.43	154.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	47,698.05	188.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	64,741.05	241.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0085		480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small>		
		Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	19,703.02	97.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	20,889.03	120.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	23,062.16	139.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	34,961.43	154.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	47,698.05	188.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	64,741.05	241.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0092		Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small>		
		Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093		230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small>		
		Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,054.77	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,480.99	79.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,413.54	82.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,018.08	97.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	17,983.12	112.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	29,338.32	150.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0100	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,054.77	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0102	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,480.99	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0103	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,413.54	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0104	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,018.08	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0105	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	17,983.12	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0106	EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	29,338.32	150.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0107	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,093.71	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0109	EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	5,204.43	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0110	EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	7,724.01	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0111	EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	13,819.40	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0112	EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	25,131.63	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0113	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	4,093.71	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0115	EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	5,204.43	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0116	EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	7,724.01	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0117	EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	13,819.40	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0118	EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	25,131.63	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0119	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	4,775.54	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0121	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	6,299.18	128.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.82	
26 24 19 00-0122	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	9,526.29	135.57
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.33	
26 24 19 00-0123	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	17,319.44	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0124	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	27,462.49	180.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.46	
26 24 19 00-0125	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	4,775.54	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0127	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	6,299.18	128.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.82	
26 24 19 00-0128	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	9,526.29	135.57
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.33	
26 24 19 00-0129	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	17,319.44	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0130	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	27,462.49	180.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.46	
26 24 19 00-0131	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	5,522.53	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0133	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,817.03 72.30	120.50
26 24 19 00-0134	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,997.66 76.82	128.03
26 24 19 00-0135	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,720.24 88.12	146.86
26 24 19 00-0136	EA			230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,403.20 103.94	173.22
26 24 19 00-0137				480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,522.53 67.78	112.97
26 24 19 00-0139	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,817.03 72.30	120.50
26 24 19 00-0140	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,997.66 76.82	128.03
26 24 19 00-0141	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,720.24 88.12	146.86
26 24 19 00-0142	EA			480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,403.20 103.94	173.22
26 24 19 00-0143				230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA			230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,692.11 47.45	79.08
26 24 19 00-0145	EA			230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,418.94 51.97	86.61
26 24 19 00-0146	EA			230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,027.72 58.74	97.91
26 24 19 00-0147	EA			230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,883.61 67.78	112.97
26 24 19 00-0148	EA			230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,487.34 90.38	150.62
26 24 19 00-0149				480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA			480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,692.11 47.45	79.08
26 24 19 00-0151	EA			480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,418.94 51.97	86.61
26 24 19 00-0152	EA			480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,027.72 58.74	97.91
26 24 19 00-0153	EA			480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,883.61 67.78	112.97
26 24 19 00-0154	EA			480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,487.34 90.38	150.62
26 24 19 00-0155				230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156	EA			230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,460.04 72.30	120.50
26 24 19 00-0157	EA			230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,826.83 83.60	139.33
26 24 19 00-0158	EA			230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,067.15 92.63	154.40
26 24 19 00-0159	EA			230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,438.86 112.97	188.28
26 24 19 00-0160	EA			230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,656.78 144.61	241.00
26 24 19 00-0161				480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162	EA			480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,460.04 72.30	120.50
26 24 19 00-0163	EA			480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,826.83 83.60	139.33
26 24 19 00-0164	EA			480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,067.15 92.63	154.40
26 24 19 00-0165	EA			480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,438.86 112.97	188.28
26 24 19 00-0166	EA			480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,656.78 144.61	241.00

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0167	230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0168	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	20,338.78	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0169	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	21,518.15	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0170	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	23,669.13	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0171	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	35,464.28	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0172	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	48,087.93	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0173	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	67,414.82	241.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0174	480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Reduced volt, energy saving		
26 24 19 00-0175	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	20,338.82	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.76	
26 24 19 00-0176	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	21,518.15	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0177	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	23,669.13	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0178	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	35,464.28	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0179	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	48,087.93	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0180	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	67,414.82	241.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0181	Combination Starters With Fusible Switch (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,011.40	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0184	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,794.27	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0185	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,751.19	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0186	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,418.70	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0187	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,703.32	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0188	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,482.56	150.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0189	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,011.40	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0191	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,794.27	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0192	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,751.19	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0193	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,418.70	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0194	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,703.32	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0195	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,482.56	150.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0196	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 1-Speed reversing.		
26 24 19 00-0197	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,285.15	75.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0198	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,920.88	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0199	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,907.88	82.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,917.80	97.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,903.72	112.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	33,866.23	150.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,285.15	75.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,920.88	79.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,907.88	82.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,917.80	97.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,903.72	112.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	33,866.23	150.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,823.00	120.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,286.83	128.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.82	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,369.95	135.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.33	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,017.82	154.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	23,975.74	180.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.46	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	3,823.00	120.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,286.83	128.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.82	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	8,369.95	135.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.33	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	15,017.82	154.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	23,975.74	180.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.46	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,410.48	75.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,752.86	79.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,746.51	82.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,698.59	97.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,410.48	75.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	6,752.86	79.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	9,746.51	82.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.71	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	19,698.59	97.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	6,706.34	79.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	11,880.64	86.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.97	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	19,829.28	97.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,489.56	112.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,532.50	150.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0238	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,706.34	79.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.45	
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	11,880.64	86.61
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.97	
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	19,829.28	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	26,489.56	112.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.78	
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	44,532.50	150.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.38	
26 24 19 00-0244	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,722.37	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0246	EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,266.38	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0247	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,026.94	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0248	EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,076.50	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0249	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250	EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,722.37	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0251	EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	6,266.38	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0252	EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	10,026.94	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0253	EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	20,076.50	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0254	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255	EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,700.80	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0256	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,889.03	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0257	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,062.16	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0258	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	34,961.43	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0259	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,698.05	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0260	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,741.05	241.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0261	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	19,700.80	97.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.74	
26 24 19 00-0263	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	20,889.03	120.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.30	
26 24 19 00-0264	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	23,062.16	139.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.60	
26 24 19 00-0265	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	34,961.43	154.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.63	
26 24 19 00-0266	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	47,698.05	188.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.97	
26 24 19 00-0267	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	64,741.05	241.00
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.61	
26 24 19 00-0268	Starter Accessories (26 24 19) Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269	Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270	EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer.....	129.98	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer.....	345.57	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	493.99	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	124.05	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	175.00	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	294.62	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	73.10	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	62.03	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	102.91	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	127.23	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	248.86	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	127.23	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	145.95	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	175.88	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To.....	207.69	
26 24 19 00-0285	EA	Blank Devices Panel.....	39.29	
26 24 19 00-0286	EA	Oversize Or Special Color Starter.....	61.75	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	537.14	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable.....	486.62	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	729.73	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	61.75	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	87.94	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	61.75	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	87.94	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	87.94	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	127.23	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	316.21	
26 24 19 00-0297	EA	Heater Module	54.99	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	341.61	
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	391.60	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	743.21	
26 24 19 00-0301	EA	ULM - Underload Module.....	356.61	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	78.32	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit.....	146.64	
26 24 19 00-0304	EA	Type SIS Control Wire.....	61.66	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	78.32	
26 24 19 00-0306	EA	Ring Terminals Power	78.32	
26 24 19 00-0307	EA	14 Gauge Control Wire	61.66	
26 24 19 00-0308	EA	Wiremakers.....	78.32	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	46.66	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	56.66	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	444.93	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,421.44	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,599.74	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays.....	450.65	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays.....	530.44	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays.....	617.76	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays.....	685.77	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	604.58	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays.....	1,575.44	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays.....	1,982.91	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	556.04	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	945.85	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays.....	1,323.90	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	129.45	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	3,179.48	
26 24 19 00-0327	EA	UV-Relay, Control Relays.....	2,692.90	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	2,692.90	
26 24 19 00-0329	EA	Teleductor, Control Relays	975.27	
26 24 19 00-0330	EA	Current Transducer, Control Relays	2,622.79	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	5,245.58	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	177.99	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	266.25	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	300.08	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	333.92	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	300.08	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	333.92	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	351.57	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker.....	262.97	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker.....	90.83	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	326.70	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker.....	1,506.04	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker.....	872.42	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,299.14	48.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.37	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,255.60	75.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.19	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0348	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,187.91 29.37	48.95
26 24 19 00-0349	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,142.50 45.19	75.31
26 24 19 00-0350	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,048.11 45.19	75.31
26 24 19 00-0351	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,472.97 58.76	97.91
26 24 19 00-0352	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,041.05 63.28	105.43
26 24 19 00-0353	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,332.32 81.30	135.57
26 24 19 00-0354	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,246.56 124.31	207.11
26 24 19 00-0355	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,835.96 187.68	312.55
26 24 19 00-0356	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,518.08 248.32	414.23
26 24 19 00-0357	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,218.87 311.50	519.66
26 24 19 00-0358	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,890.85 361.81	602.43
26 24 19 00-0359	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,566.71 29.37	48.95
26 24 19 00-0360	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,515.68 45.19	75.31
26 24 19 00-0361	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,566.71 29.37	48.95
26 24 19 00-0362	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,515.68 45.19	75.31
26 24 19 00-0363	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,683.75 29.37	48.95
26 24 19 00-0364	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,670.15 45.19	75.31
26 24 19 00-0365	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,564.53 45.19	75.31
26 24 19 00-0366	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,386.58 45.19	75.31
26 24 19 00-0367	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,037.00 124.31	207.11
26 24 19 00-0368	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,037.00 124.31	207.11
26 24 19 00-0369	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,160.59 135.51	225.94
26 24 19 00-0370	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,200.52 158.09	263.59
26 24 19 00-0371	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,732.41 187.68	312.55
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)					
26 24 19 00-0373	EA		30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,327.10	75.31
26 24 19 00-0374	EA		Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,058.64	75.31
26 24 19 00-0375	EA		100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,242.74	94.14
26 24 19 00-0376	EA		200 Amperes, Incoming Line And Feeder Fusible Switches.....	3,666.92	112.97
26 24 19 00-0377	EA		400 Amperes, Incoming Line And Feeder Fusible Switches.....	7,267.32	143.09
26 24 19 00-0378	EA		600 Amperes, Incoming Line And Feeder Fusible Switches.....	10,199.81	188.28
26 24 19 00-0379	EA		800 Amperes, Incoming Line And Feeder Fusible Switches.....	24,908.92	252.30
26 24 19 00-0380	EA		1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	28,070.87	350.21
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)					
26 24 19 00-0382	EA		500 VA, Phase 1, Dry Type Distribution Transformers.....	1,276.09	
26 24 19 00-0383	EA		750 VA, Phase 1, Dry Type Distribution Transformers.....	1,317.25	
26 24 19 00-0384	EA		1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,360.28	
26 24 19 00-0385	EA		1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,560.49	
26 24 19 00-0386	EA		2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,691.47	
26 24 19 00-0387	EA		3,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,788.04	
26 24 19 00-0388	EA		5,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,301.44	
26 24 19 00-0389	EA		7,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,593.34	
26 24 19 00-0390	EA		9,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,028.66	
26 24 19 00-0391	EA		10,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,199.57	
26 24 19 00-0392	EA		15,000 VA, Phase 1, Dry Type Distribution Transformers.....	4,432.62	
26 24 19 00-0393	EA		15,000 VA, Phase 3, Dry Type Distribution Transformers.....	6,908.08	
26 24 19 00-0394	EA		20,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,397.27	
26 24 19 00-0395	EA		30,000 VA, Phase 1, Dry Type Distribution Transformers.....	8,865.24	
26 24 19 00-0396	EA		30,000 VA, Phase 3, Dry Type Distribution Transformers.....	8,548.61	
26 24 19 00-0397	EA		45,000 VA, Phase 1, Dry Type Distribution Transformers.....	11,841.41	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)					
26 24 19 00-0399	EA		Metering Equipment, Voltmeter, Panel Type.....	602.49	
26 24 19 00-0400	EA		Metering Equipment, Voltmeter, Switchboard Type.....	1,317.25	
26 24 19 00-0401	EA		Metering Equipment, Ammeter, Panel.....	542.62	
26 24 19 00-0402	EA		Metering Equipment, Ammeter, Switchboard Type.....	1,317.25	
26 24 19 00-0403	EA		Metering Equipment, Voltmeter/Ammeter, Switch.....	731.60	
26 24 19 00-0404	EA		Metering Equipment, Control Switch, 4 Circuits.....	776.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0405	EA		Add For Additional Circuits	91.65	
26 24 19 00-0406	EA		Metering Equipment, Indicating Wattmeter	2,716.83	
26 24 19 00-0407	EA		Metering Equipment, Indicating Power Factor	2,845.93	
26 24 19 00-0408	EA		Metering Equipment, Integrating Watt-hour	2,509.14	
26 24 19 00-0409	EA		Add For Demand Attachment	599.90	
26 24 19 00-0410	EA		800 Amperes, Metering Equipment, Current Transformer	750.31	
26 24 19 00-0411	EA		1,000 Amperes, Metering Equipment, Current Transformer	1,294.80	
26 24 19 00-0412	EA		2,000 Amperes, Metering Equipment, Current Transformer	1,508.10	
26 24 19 00-0413	EA		Metering Equipment, Potential Transformer	1,257.37	
26 24 19 00-0414	EA		Metering Equipment, Surge Arrester	1,352.80	
26 24 19 00-0415	EA		Metering Equipment, Ground Detector System	1,034.71	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)					
26 24 19 00-0417	EA		600 Amperes, Current Limiting Reactors	23,094.90	
26 24 19 00-0418	EA		800 Amperes, Current Limiting Reactors	33,632.90	
26 24 19 00-0419	EA		1,000 Amperes, Current Limiting Reactors	44,195.22	
26 24 19 00-0420	EA		1,200 Amperes, Current Limiting Reactors	67,273.28	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)					
26 24 19 00-0422	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	480.70	
26 24 19 00-0423	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	480.70	
26 24 19 00-0424	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	664.57	
26 24 19 00-0425	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,216.16	
26 24 19 00-0426	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	664.57	
26 24 19 00-0427	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	848.43	
26 24 19 00-0428	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	848.43	
26 24 19 00-0429	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,213.94	
26 24 19 00-0430	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	848.43	
26 24 19 00-0431	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,213.94	
26 24 19 00-0432	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,032.29	
26 24 19 00-0433	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,347.19	
26 24 19 00-0434	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,032.29	
26 24 19 00-0435	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,213.94	
26 24 19 00-0436	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,347.19	
26 24 19 00-0437	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,347.19	
26 24 19 00-0438	EA		Bus Duct Transition Pull Box	896.60	
26 24 19 00-0439	EA		Throat And Transition To Substation	1,730.88	
26 24 19 00-0440	EA		Service Entrance Label	374.85	
26 24 19 00-0441	EA		Type W To 5 Star - 10" Transition	783.53	
26 24 19 00-0442	EA		600 Amperes, Sub Feed Lugs On Main Bus	398.27	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)					
26 24 19 00-0444	EA		Standard Structure Add For Each Additional 4" Of Structure Width	247.52	
26 24 19 00-0445	EA		Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	247.52	
26 24 19 00-0446	EA		Standard Structure Single Corner Section "L", 16" Depth	765.72	
26 24 19 00-0447	EA		Standard Structure Single Corner Section "L", 21" Depth	863.66	
26 24 19 00-0448	EA		Standard Structure Unused Space/Future Space	73.90	
26 24 19 00-0449	EA		Standard Structure NEMA 12 Dustproof	199.44	
26 24 19 00-0450	EA		Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	41.85	
26 24 19 00-0451	EA		Standard Structure 150 Watt Space	179.86	
26 24 19 00-0452	EA		Standard Structure Thermostat For Space Heater Control	484.92	
26 24 19 00-0453	EA		Standard Structure Rear Hinged Structure Door, 72" High	179.86	
26 24 19 00-0454	EA		Standard Structure NEMA 2 Drip Shield On Top Of MCC	313.28	
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted	4,469.27	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back	5,165.83	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted	5,170.83	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)					
26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	451.86	225.94
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	677.79	338.91
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	753.13	376.57
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	903.84	451.88
26 24 19 00-0463	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	75.31	37.66
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	451.86	225.94
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	677.79	338.91
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	753.13	376.57
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	903.84	451.88
26 24 19 00-0468	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	75.31	37.66
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	527.21	263.59
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	677.79	338.91
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	903.84	451.88
26 24 19 00-0472	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,054.25	527.12
26 24 19 00-0473	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	112.97	56.48
26 24 19 00-0474	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	602.51	301.25
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	828.51	414.23
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,054.25	527.12
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,204.81	602.43
26 24 19 00-0478	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	150.62	75.31
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	602.51	301.25
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	903.84	451.88
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,129.58	564.77

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Includes entries for Motor Control Centers and 2.4 KV Motor Control Centers.

26 24 19 00-0525 4.8 KV Motor Control Centers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,592.34 135.56	225.94
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,630.03 146.87	244.76
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,667.69 158.16	263.59
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,705.36 169.46	282.42
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,640.70 180.75	301.25
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,678.39 192.06	320.09
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,715.98 203.34	338.91
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,753.70 214.65	357.74
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,791.32 225.94	376.57
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,228.14 293.77	489.61
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,303.15 316.28	527.12
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,329.62 338.87	564.77
26 24 19 00-0538	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,404.85 361.44	602.43
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,123.65 135.56	225.94
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,417.83 146.87	244.76
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,321.14 158.16	263.59
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,372.56 169.46	282.42
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,975.07 180.75	301.25
26 24 19 00-0544	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,099.79 192.06	320.09
26 24 19 00-0545	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,032.04 203.34	338.91
26 24 19 00-0546	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,907.94 214.65	357.74
26 24 19 00-0547	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,724.19 225.94	376.57
26 24 19 00-0548	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,353.01 237.24	395.40
26 24 19 00-0549	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59,019.49 259.84	433.05
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,884.38 271.15	451.88
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,529.30 282.43	470.71
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,632.77 293.77	489.61
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113,647.71 361.44	602.43
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126,401.19 384.12	640.24
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151,987.85 406.67	677.82
26 24 19 00-0556	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160,790.92 406.67	677.82
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,810.60 158.16	263.59
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,848.27 169.46	282.42
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,885.90 180.75	301.25
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,923.59 192.06	320.09
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,892.17 203.34	338.91
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,929.89 214.65	357.74
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,967.51 225.94	376.57
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,005.18 237.24	395.40
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,042.89 248.55	414.23
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,268.63 316.28	527.12
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,995.28 338.87	564.77
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,012.50 361.44	602.43
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,012.50 361.44	602.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0570	EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,141.25 45.19	
26 24 19 00-0571	EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,451.38 45.19	
26 24 19 00-0572	EA Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,044.81 45.19	
26 24 19 00-0573	2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574	EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,149.51	150.62
26 24 19 00-0575	EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	15,761.23	225.94
26 24 19 00-0576	EA 2.4/4.8 KV NEMA 3 Weather Resistant	5,230.13	
26 24 19 00-0577	EA 2.4/4.8 KV Space Heaters	218.33	11.29
26 24 19 00-0578	EA 2.4/4.8 KV Potential Transformer Fused.....	1,515.21	
26 24 19 00-0579	EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	812.98	
26 24 19 00-0580	EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,421.23	
26 24 19 00-0581	EA 2.4/4.8 KV Pushbuttons Each	155.06	
26 24 19 00-0582	EA 2.4/4.8 KV Selector Switch Each	513.93	
26 24 19 00-0583	EA 2.4/4.8 KV Indicating Light	155.06	
26 24 19 00-0584	EA 2.4/4.8 KV Push To Test Light	469.63	
26 24 19 00-0585	EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,249.38	
26 24 19 00-0586	EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,249.38	
26 24 19 00-0587	EA 2.4/4.8 KV Power Factor Meter.....	3,737.07	
26 24 19 00-0588	EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,576.30	
26 24 19 00-0589	EA 2.4/4.8 KV Operation Counter.....	492.22	11.29
26 24 19 00-0590	EA 2.4/4.8 KV Phase Failure Protection.....	3,579.78	37.66
26 24 19 00-0591	EA 2.4/4.8 KV Ground Protection	6,887.11	18.83
26 24 19 00-0592	EA 2.4/4.8 KV Synchronous Motor DC Protection	2,536.59	18.83
26 24 19 00-0593	EA 2.4/4.8 KV Lightning Arresters	3,677.00	11.29
26 24 19 00-0594	EA 2.4/4.8 KV Portable Lifting Mechanism.....	5,326.84	
26 24 19 00-0595	EA 2.4/4.8 KV Auxiliary Timing Relay.....	544.81	37.66
26 24 19 00-0596	EA 2.4/4.8 KV Auxiliary Control Relay	385.79	37.66
26 24 19 00-0597	Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.			
26 24 19 00-0598	EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,011.28	226.05
26 24 19 00-0599	EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	1,749.19	400.14
26 24 19 00-0600	EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,062.46	512.34
26 24 19 00-0601	EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,330.19	825.03
26 24 19 00-0602	EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	3,946.20	907.53
26 24 19 00-0603	EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,220.09	1,006.54
26 24 19 00-0604	EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	6,068.33	1,179.79
26 24 19 00-0605	EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	11,035.61	1,374.50
26 24 19 00-0606	Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607	EA 600 Amperes Incoming Section, Main Lugs.....	728.69	288.76
26 24 19 00-0608	EA 800 Amperes Incoming Section, Main Lugs.....	787.10	288.76
26 24 19 00-0609	EA 1,200 Amperes Incoming Section, Main Lugs.....	1,083.31	453.76
26 24 19 00-0610	EA 2,000 Amperes Incoming Section, Main Lugs.....	2,890.93	825.03
26 24 19 00-0611	EA 3,000 Amperes Incoming Section, Main Lugs.....	4,430.65	1,196.29
26 24 19 00-0612	EA 4,000 Amperes Incoming Section, Main Lugs.....	6,388.43	1,650.06
26 24 19 00-0613	Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.			
26 24 19 00-0614	EA 225 Amperes, Main Circuit Breaker Section	6,035.36	399.24
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00	
<i>For NEMA 1 With Gaskets, Add</i>		97.00	
<i>For NEMA 12, Add</i>		245.00	
<i>For 20" Cabinet Depth, Add</i>		108.00	
26 24 19 00-0615	EA 400 Amperes, Main Circuit Breaker Section	13,068.60	512.84
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00	
<i>For NEMA 1 With Gaskets, Add</i>		97.00	
<i>For NEMA 12, Add</i>		245.00	
<i>For 20" Cabinet Depth, Add</i>		108.00	
26 24 19 00-0616	EA 600 Amperes, Main Circuit Breaker Section	13,364.66	798.79
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>		182.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>		334.00	
<i>For NEMA 1 With Gaskets, Add</i>		97.00	
<i>For NEMA 12, Add</i>		245.00	
<i>For 20" Cabinet Depth, Add</i>		108.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	19,247.30 182.00 334.00 97.00 245.00 108.00	798.79
	26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	28,052.00 182.00 334.00 97.00 245.00 108.00	903.82
	26 24 19 00-0619 Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>					
	Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.					
	26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,199.84 182.00 334.00 97.00 245.00 108.00	399.73
	26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	7,209.36 182.00 334.00 97.00 245.00 108.00	513.09
	26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	14,240.13 182.00 334.00 97.00 245.00 108.00	799.46
	26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	16,653.30 182.00 334.00 97.00 245.00 108.00	799.46
	26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section..... <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	23,624.00 182.00 334.00 97.00 245.00 108.00	904.65
	26 24 19 00-0625 Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>					
	26 24 19 00-0626 Class I, Type A <small>(26 24 19 00-0625)</small>					
	26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	865.19 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 95.49	167.48
	26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,012.75 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 105.77	167.48
	26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,483.60 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 142.25	237.61

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0630	EA Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,468.28 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 187.51	312.69
26 24 19 00-0631	EA Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,542.50 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 234.38	391.06
26 24 19 00-0632 Class I, Type B <small>(26 24 19 00-0625)</small>			
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.19 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 82.50	146.03
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	969.88 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 92.91	146.03
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,432.54 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 126.93	211.21
26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,416.20 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 171.88	286.29
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,500.49 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 221.78	365.49
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>			
26 24 19 00-0639	EA Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	887.00 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 74.73	135.31

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0640	EA			Size 2, Class I, Type C Circuit Breaker Combination Starter	1,035.52	135.31
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	87.77	
26 24 19 00-0641	EA			Size 3, Class I, Type C Circuit Breaker Combination Starter	1,549.14	202.14
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.33	
26 24 19 00-0642	EA			Size 4, Class I, Type C Circuit Breaker Combination Starter	2,537.50	279.69
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.69	
26 24 19 00-0643	EA			Size 5, Class I, Type C Circuit Breaker Combination Starter	4,616.70	358.89
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.85	
26 24 19 00-0644				Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA			Size 1, Class II, Type B Circuit Breaker Combination Starter	846.97	200.48
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.33	
26 24 19 00-0646	EA			Size 2, Class II, Type B Circuit Breaker Combination Starter	1,203.11	200.48
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.54	
26 24 19 00-0647	EA			Size 3, Class II, Type B Circuit Breaker Combination Starter	1,726.13	267.31
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.89	
26 24 19 00-0648	EA			Size 4, Class II, Type B Circuit Breaker Combination Starter	2,878.03	342.39
				For 20" Cabinet Depth, Add	108.00	
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
				For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
				For NEMA 1 With Gasket, Add	97.00	
				For NEMA 12, Add	245.00	
				For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
				For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.26	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0649	EA Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,322.43 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 251.53	418.29
26 24 19 00-0650	Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,092.70 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 108.56	189.76
26 24 19 00-0652	EA Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,261.24 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 118.54	189.76
26 24 19 00-0653	EA Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,847.40 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 155.08	259.06
26 24 19 00-0654	EA Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,993.28 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 200.25	334.14
26 24 19 00-0655	EA Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,449.61 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 248.50	412.52
26 24 19 00-0656	Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657	Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.68 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 92.91	154.28
26 24 19 00-0659	EA Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,195.03 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 126.54	211.21

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,934.99 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 165.01	274.73
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,641.07 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 231.75	385.29
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,736.69 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 294.65	490.89
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>				
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	810.02 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 82.50	137.78
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,088.73 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 113.33	188.93
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,626.68 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 151.66	252.46
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,754.93 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 219.42	364.66
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,839.41 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 278.73	463.67

26 24 19 00-0669 Class I, Type C (26 24 19 00-0656)

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards and Panelboards



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0670	EA Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	867.21 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 77.25	128.71
26 24 19 00-0671	EA Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,163.80 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 105.77	174.91
26 24 19 00-0672	EA Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,785.40 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 147.32	243.38
26 24 19 00-0673	EA Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.90 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 214.85	358.89
26 24 19 00-0674	EA Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,566.88 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 275.01	458.72
26 24 19 00-0675	Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,010.09 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 115.88	193.06
26 24 19 00-0677	EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,310.25 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 144.23	240.91
26 24 19 00-0678	EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,922.84 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 185.82	310.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter	3,180.99	418.29
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	251.53	
26 24 19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter	5,571.84	522.25
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	312.51	
26 24 19 00-0681			Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter	1,060.40	181.51
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.56	
26 24 19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter	1,385.04	227.71
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.60	
26 24 19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter	2,060.21	296.18
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.81	
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter	3,325.10	408.39
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	245.54	
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter	5,714.40	505.74
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.32	
26 24 19 00-0687			Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688			Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	236.96	56.10
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	236.96	56.10
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	353.09	81.68
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	412.10	107.26
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	703.38	163.36
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0694			Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	236.96	56.10
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	309.16	81.68
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	433.60	107.26
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	763.36	163.36
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,057.50	237.61
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	

26 24 19 00-0700 **Blank Space For Future Expansion** (26 24 19 00-0687)
 Note: Factory modified no labor costs.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	125.17	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	125.17	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	189.78	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	189.78	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	377.54	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)

26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	2,903.28	434.21
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)

26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	4,595.95	1,130.78
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway).....	4,595.95	1,130.78
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	5,146.01	1,130.78
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0712	EA Corner Section..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	5,146.01 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,130.78
26 24 19 00-0713	Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484) Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714	FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715	EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,274.72 95.28	158.82
26 24 19 00-0716	EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,419.20 105.68	176.14
26 24 19 00-0717	EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,502.33 142.08	236.78
26 24 19 00-0718	EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,648.61 187.34	312.19
26 24 19 00-0719	EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,513.92 234.12	390.16
26 24 19 00-0720	EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,232.07 234.12	390.16
26 24 19 00-0721	EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,300.99 82.41	137.37
26 24 19 00-0722	EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,467.44 92.81	154.69
26 24 19 00-0723	EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,577.30 126.72	211.21
26 24 19 00-0724	EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,666.87 171.79	286.29
26 24 19 00-0725	EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,542.90 221.78	369.61
26 24 19 00-0726	EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,387.14 221.78	369.61
26 24 19 00-0727	Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728	EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,075.62 119.22	198.75
26 24 19 00-0729	EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,561.03 131.93	219.87
26 24 19 00-0730	EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,261.48 177.30	295.53
26 24 19 00-0731	EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,403.01 234.38	390.65
26 24 19 00-0732	EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,501.74 293.26	488.75
26 24 19 00-0733	EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,126.56 102.96	171.61
26 24 19 00-0734	EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,634.41 116.09	193.47
26 24 19 00-0735	EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,360.58 158.66	264.42
26 24 19 00-0736	EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,443.06 214.85	358.06
26 24 19 00-0737	EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,554.29 277.48	462.43
26 24 19 00-0738	Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739	EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,285.93 119.22	198.75
26 24 19 00-0740	EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,291.48 131.93	219.87
26 24 19 00-0741	EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,284.59 177.30	295.53
26 24 19 00-0742	EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,565.28 234.38	390.65
26 24 19 00-0743	EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,350.28 293.26	488.75
26 24 19 00-0744	EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,336.86 102.96	171.61
26 24 19 00-0745	EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,364.86 116.09	193.47
26 24 19 00-0746	EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,383.69 158.66	264.42
26 24 19 00-0747	EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,605.33 214.85	358.06
26 24 19 00-0748	EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,402.83 277.48	462.43

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0749	Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750	FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small> Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....1,012.11 154.86 Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....1,314.02 210.46 Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....2,237.99 274.24 Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....3,829.49 386.27 Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....7,850.66 491.05 Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....20,362.26 491.05 Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....1,045.28 137.29 Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....1,361.29 188.52 Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....2,321.14 252.79 Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....3,849.50 365.74 Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....7,867.67 464.58 Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....20,505.45 464.58		
26 24 19 00-0763	Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small> Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....1,788.32 193.88 Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....2,496.00 263.10 Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....3,904.28 342.63 Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....8,327.53 484.21 Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....13,684.14 566.63 Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....1,848.02 171.61 Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....2,566.93 235.46 Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....4,012.95 316.32 Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....8,376.98 456.32 Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....13,724.70 534.38		
26 24 19 00-0774	Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small> Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....2,105.17 193.88 Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....3,237.67 263.10 Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....5,948.42 342.63 Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....8,753.74 484.21 Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....16,750.35 566.63 Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....2,165.81 171.61 Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....3,308.59 235.46 Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....6,057.09 316.32 Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....8,803.19 456.32 Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....16,790.91 534.38		
26 24 19 00-0785	Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small> Note: Per section. Labor is included in basic distribution section. EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit .....233.79 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.20 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit .....288.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.20 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit .....346.34 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.44 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit .....452.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.44 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit .....763.60 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.68 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit .....132.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.96		
26 24 19 00-0792	Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 12 enclosure. Class 1 type A (no starters). EA 150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....615.12 119.22 EA 150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....1,058.35 132.01 EA 225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....1,295.12 177.80 EA 400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....2,134.66 234.31 EA 600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....3,661.61 292.88 EA 800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....4,167.24 292.88 EA 1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....8,529.27 366.72		
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters). EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....694.50 115.92 EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....806.72 157.99 EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....1,113.68 202.14 EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....2,125.63 289.58 EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....3,858.92 368.30 EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....9,130.51 368.30 EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....11,284.50 460.37 EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....16,802.84 460.37		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards and Panelboards

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0810				Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA			Control Circuit Transformer, Size 1 Factory Installed.....	66.78	
26 24 19 00-0812	EA			Control Circuit Transformer, Size 2 Factory Installed.....	66.78	
26 24 19 00-0813	EA			Control Circuit Transformer, Size 3 Factory Installed.....	128.61	
26 24 19 00-0814	EA			Control Circuit Transformer, Size 4 Factory Installed.....	128.61	
26 24 19 00-0815	EA			Control Circuit Transformer, Size 5 Factory Installed.....	178.67	
26 24 19 00-0816	EA			Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	43.58	9.34
26 24 19 00-0817				Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA			Control Device, 2 Unit Push Button Station Cover Mounted.....	101.15	16.50
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.31	
26 24 19 00-0819	EA			Control Device, 2-3 Unit Selector Switch Cover Mounted.....	112.22	16.50
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.89	
26 24 19 00-0820	EA			Control Device, Pilot Light Cover Mounted.....	97.48	16.50
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	
26 24 19 00-0821	EA			Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	251.21	56.10
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.81	
26 24 19 00-0822	EA			Auxiliary Contact Add Per Starter.....	330.22	21.37
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.83	
26 24 19 00-0823				Extra Interlocks (26 24 19 00-0484)		
				Note: Per contact.		
26 24 19 00-0824	EA			Extra Interlocks, Class I, Type A Per Contact.....	64.84	10.72
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	
26 24 19 00-0825	EA			Extra Interlocks, Class I, Type B Per Contact.....	92.76	10.72
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	
26 24 19 00-0826	EA			Extra Interlocks, Class I, Type C Per Contact.....	105.24	10.72
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.45	
26 24 19 00-0827	EA			Extra Interlocks, Class II, Type B Per Contact.....	95.35	10.72
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.16	
26 24 19 00-0828	EA			Extra Interlocks, Class II, Type C Per Contact.....	102.31	10.72
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 24 19 00-0829				Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA			Provisions For Bus Duct Entrance Special Cabinet Provisions.....	835.97	
26 24 19 00-0831				Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA			Special Cabinet Nameplate Requirements.....	29.68	
26 24 19 00-0833				Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA			Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	151.27	20.68
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 24 19 00-0835	EA			Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	142.34	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 24 19 00-0836	EA			General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	75.70	18.60
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 24 19 00-0837				Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838				Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
				Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA			1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,692.32	267.05
26 24 19 00-0840	EA			1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,878.57	277.73
26 24 19 00-0841	EA			1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,340.38	299.09
26 24 19 00-0842	EA			1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,743.98	320.47
26 24 19 00-0843	EA			1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,116.87	341.83
26 24 19 00-0844	EA			1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,218.74	384.56
26 24 19 00-0845	EA			1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,783.98	427.28
26 24 19 00-0846	EA			3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,578.30	352.51
26 24 19 00-0847	EA			3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,319.03	384.56
26 24 19 00-0848	EA			3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,665.27	427.28
26 24 19 00-0849	EA			3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,305.50	470.01
26 24 19 00-0850	EA			3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,670.15	512.75
26 24 19 00-0851	EA			3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,090.54	555.47
26 24 19 00-0852				Bolt-On Lighting Panel (26 24 19 00-0837)		
				Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA			18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,765.56	429.34
26 24 19 00-0854	EA			30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,700.34	747.31
26 24 19 00-0855	EA			42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,576.52	1,011.07
26 24 19 00-0856	EA			18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,835.96	464.58
26 24 19 00-0857	EA			30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,668.55	731.39
26 24 19 00-0858	EA			42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,702.91	1,074.27
26 24 19 00-0859	EA			18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,132.57	497.99
26 24 19 00-0860	EA			30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,079.05	799.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,046.04	1,074.27
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,210.90	537.09
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,079.05	799.46
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,115.34	1,108.92
26 24 19 00-0865			Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small>		
			Note: For MCC lighting panel only.		
26 24 19 00-0866	EA		15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	15.11	
26 24 19 00-0867	EA		15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	257.63	
26 24 19 00-0868	EA		15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	29.53	
26 24 19 00-0869	EA		60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	67.99	
26 24 19 00-0870	EA		15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	79.66	
26 24 19 00-0871	EA		60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	120.86	
26 24 19 00-0872			Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small>		
			Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA		6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	68.70	
26 24 19 00-0874	EA		12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	82.44	
26 24 19 00-0875	EA		18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	123.66	
26 24 19 00-0876	EA		24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	164.89	
26 24 19 00-0877	EA		30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	247.33	
26 24 19 00-0878	EA		48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	288.55	
26 24 19 00-0879	EA		72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	329.77	
26 25			Enclosed Bus Assemblies <small>(26 20)</small>		
26 25 13			Low-Voltage Busways <small>(26 25)</small>		
26 25 13 00-0001			Plug-In Bus Duct <small>(26 25 13)</small>		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 13 00-0001)</small>		
26 25 13 00-0003	LF		225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	474.78	24.75
			For Up To 25, Add	118.70	
			For >25 To 50, Add	71.22	
			For >50 To 100, Add	35.61	
26 25 13 00-0004	LF		400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	697.02	24.75
			For Up To 25, Add	174.26	
			For >25 To 50, Add	104.55	
			For >50 To 100, Add	52.28	
26 25 13 00-0005	LF		600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	893.30	33.00
			For Up To 25, Add	223.33	
			For >25 To 50, Add	134.00	
			For >50 To 100, Add	67.00	
26 25 13 00-0006	LF		800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,264.05	33.00
			For Up To 25, Add	316.01	
			For >25 To 50, Add	189.61	
			For >50 To 100, Add	94.80	
26 25 13 00-0007	LF		1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,331.54	41.25
			For Up To 25, Add	332.89	
			For >25 To 50, Add	199.73	
			For >50 To 100, Add	99.87	
26 25 13 00-0008	LF		1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,891.75	41.25
			For Up To 25, Add	472.94	
			For >25 To 50, Add	283.76	
			For >50 To 100, Add	141.88	
26 25 13 00-0009	LF		1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,232.19	43.31
			For Up To 25, Add	558.05	
			For >25 To 50, Add	334.83	
			For >50 To 100, Add	167.41	
26 25 13 00-0010	LF		2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,745.17	44.55
			For Up To 25, Add	686.29	
			For >25 To 50, Add	411.78	
			For >50 To 100, Add	205.89	
26 25 13 00-0011	LF		2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	3,414.48	47.02
			For Up To 25, Add	853.62	
			For >25 To 50, Add	512.17	
			For >50 To 100, Add	256.09	
26 25 13 00-0012	LF		3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	3,940.68	54.87
			For Up To 25, Add	985.17	
			For >25 To 50, Add	591.10	
			For >50 To 100, Add	295.55	
26 25 13 00-0013	LF		4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	4,572.65	59.81
			For Up To 25, Add	1,143.16	
			For >25 To 50, Add	685.90	
			For >50 To 100, Add	342.95	
26 25 13 00-0014			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 13 00-0001)</small>		
26 25 13 00-0015	LF		225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	835.83	24.75
			For Up To 25, Add	208.96	
			For >25 To 50, Add	125.37	
			For >50 To 100, Add	62.69	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0016	LF		400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,230.46	24.75
			<i>For Up To 25, Add</i>	307.62	
			<i>For >25 To 50, Add</i>	184.57	
			<i>For >50 To 100, Add</i>	92.28	
26 25 13 00-0017	LF		600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,391.40	33.00
			<i>For Up To 25, Add</i>	347.85	
			<i>For >25 To 50, Add</i>	208.71	
			<i>For >50 To 100, Add</i>	104.36	
26 25 13 00-0018	LF		800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,785.67	33.00
			<i>For Up To 25, Add</i>	446.42	
			<i>For >25 To 50, Add</i>	267.85	
			<i>For >50 To 100, Add</i>	133.93	
26 25 13 00-0019	LF		1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,192.27	41.25
			<i>For Up To 25, Add</i>	548.07	
			<i>For >25 To 50, Add</i>	328.84	
			<i>For >50 To 100, Add</i>	164.42	
26 25 13 00-0020	LF		1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,869.48	41.25
			<i>For Up To 25, Add</i>	717.37	
			<i>For >25 To 50, Add</i>	430.42	
			<i>For >50 To 100, Add</i>	215.21	
26 25 13 00-0021	LF		1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,730.44	42.74
			<i>For Up To 25, Add</i>	932.61	
			<i>For >25 To 50, Add</i>	559.57	
			<i>For >50 To 100, Add</i>	279.78	
26 25 13 00-0022	LF		2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	4,515.81	44.55
			<i>For Up To 25, Add</i>	1,128.95	
			<i>For >25 To 50, Add</i>	677.37	
			<i>For >50 To 100, Add</i>	338.69	
26 25 13 00-0023	LF		2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	5,627.98	46.61
			<i>For Up To 25, Add</i>	1,407.00	
			<i>For >25 To 50, Add</i>	844.20	
			<i>For >50 To 100, Add</i>	422.10	
26 25 13 00-0024	LF		3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	6,494.77	54.87
			<i>For Up To 25, Add</i>	1,623.69	
			<i>For >25 To 50, Add</i>	974.22	
			<i>For >50 To 100, Add</i>	487.11	
26 25 13 00-0025	LF		4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	7,541.32	59.81
			<i>For Up To 25, Add</i>	1,885.33	
			<i>For >25 To 50, Add</i>	1,131.20	
			<i>For >50 To 100, Add</i>	565.60	
26 25 13 00-0026			Cable Tap Boxes <small>(26 25 13 00-0001)</small>		
26 25 13 00-0027			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028	EA		225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	4,231.21	115.51
26 25 13 00-0029	EA		400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	4,308.69	115.51
26 25 13 00-0030	EA		600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	4,618.40	156.76
26 25 13 00-0031	EA		800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	4,870.88	156.76
26 25 13 00-0032	EA		1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	5,191.95	206.26
26 25 13 00-0033	EA		1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	5,676.52	206.26
26 25 13 00-0034			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 13 00-0026)</small>		
26 25 13 00-0035	EA		225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	4,308.69	226.89
26 25 13 00-0036	EA		400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	4,627.87	226.89
26 25 13 00-0037	EA		600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	4,888.97	309.38
26 25 13 00-0038	EA		800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	5,484.38	309.38
26 25 13 00-0039	EA		1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	5,711.35	412.52
26 25 13 00-0040	EA		1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	6,518.26	412.52
26 25 13 00-0041			Bus Duct Plug-In Circuit Breaker <small>(26 25 13 00-0001)</small>		
26 25 13 00-0042			240 Volt, 3-Phase <small>(26 25 13 00-0041)</small>		
26 25 13 00-0043	EA		60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,810.38	82.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13	
26 25 13 00-0044	EA		100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	3,791.60	82.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.94	
26 25 13 00-0045			600 Volt, 3-Phase <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046	EA		60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	3,748.91	82.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13	
26 25 13 00-0047	EA		100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	4,858.84	82.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.94	
26 25 13 00-0048			120/208 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049	EA		60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	2,087.20	99.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.56	
26 25 13 00-0050	EA		100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	2,476.43	99.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.46	
26 25 13 00-0051			277/480 Volt, 3-Phase, 4-Wire <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052	EA		60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,433.46	99.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	3,832.36	99.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>64.46</i>	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	5,275.26	342.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.39</i>	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	12,780.67	342.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>322.28</i>	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	13,752.64	990.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>448.38</i>	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	15,821.71	990.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>793.30</i>	
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,805.62	82.51
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,955.09	82.51
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,741.72	99.00
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	4,594.06	198.00
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,853.42	445.52
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,272.56	775.53
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	1,912.14	90.75
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,056.07	90.75
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,791.47	90.75
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	4,754.56	189.76
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,831.38	429.01
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	17,428.82	825.03
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	29,565.27	1,072.54
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,101.57	107.26
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,215.74	107.26
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,000.88	107.26
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,099.34	222.75
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	12,927.23	495.02
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	18,711.00	759.02
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,181.20	107.26
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	2,295.37	91.01
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	3,227.04	123.75
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	5,338.58	222.75
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	12,927.23	495.02
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	18,711.00	759.02
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	30,359.29	1,006.54
26 25 16 Low-Voltage Cablebus Systems (26 25)		
26 25 16 00-0001 Feeder Bus Duct (26 25 16)		
<i>Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.</i>		
26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)		
<i>Note: Copper conductors.</i>		
26 25 16 00-0003 LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,564.61	34.65
<i>For Up To 25, Add</i>	<i>391.15</i>	
<i>For >25 To 50, Add</i>	<i>234.69</i>	
<i>For >50 To 100, Add</i>	<i>117.35</i>	
26 25 16 00-0004 LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	1,578.73	34.65
<i>For Up To 25, Add</i>	<i>394.68</i>	
<i>For >25 To 50, Add</i>	<i>236.81</i>	
<i>For >50 To 100, Add</i>	<i>118.40</i>	
26 25 16 00-0005 LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,089.93	34.65
<i>For Up To 25, Add</i>	<i>522.48</i>	
<i>For >25 To 50, Add</i>	<i>313.49</i>	
<i>For >50 To 100, Add</i>	<i>156.74</i>	
26 25 16 00-0006 LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	2,525.01	34.65
<i>For Up To 25, Add</i>	<i>631.25</i>	
<i>For >25 To 50, Add</i>	<i>378.75</i>	
<i>For >50 To 100, Add</i>	<i>189.38</i>	
26 25 16 00-0007 LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	3,096.17	34.65
<i>For Up To 25, Add</i>	<i>774.04</i>	
<i>For >25 To 50, Add</i>	<i>464.43</i>	
<i>For >50 To 100, Add</i>	<i>232.21</i>	
26 25 16 00-0008 LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	4,219.51	82.51
<i>For Up To 25, Add</i>	<i>1,054.88</i>	
<i>For >25 To 50, Add</i>	<i>632.93</i>	
<i>For >50 To 100, Add</i>	<i>316.46</i>	
26 25 16 00-0009 LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports.....	5,862.98	82.51
<i>For Up To 25, Add</i>	<i>1,465.75</i>	
<i>For >25 To 50, Add</i>	<i>879.45</i>	
<i>For >50 To 100, Add</i>	<i>439.72</i>	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010	LF		5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	6,935.50	82.51
			<i>For Up To 25, Add</i>	1,733.88	
			<i>For >25 To 50, Add</i>	1,040.33	
			<i>For >50 To 100, Add</i>	520.16	
26 25 16 00-0011	LF		6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	8,565.73	82.51
			<i>For Up To 25, Add</i>	2,141.43	
			<i>For >25 To 50, Add</i>	1,284.86	
			<i>For >50 To 100, Add</i>	642.43	
26 25 16 00-0012			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 16 00-0001)</small>		
			Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,808.41	37.13
			<i>For Up To 25, Add</i>	452.10	
			<i>For >25 To 50, Add</i>	271.26	
			<i>For >50 To 100, Add</i>	135.63	
26 25 16 00-0014	LF		1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,825.13	37.13
			<i>For Up To 25, Add</i>	456.28	
			<i>For >25 To 50, Add</i>	273.77	
			<i>For >50 To 100, Add</i>	136.88	
26 25 16 00-0015	LF		1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,369.63	37.13
			<i>For Up To 25, Add</i>	592.41	
			<i>For >25 To 50, Add</i>	355.44	
			<i>For >50 To 100, Add</i>	177.72	
26 25 16 00-0016	LF		1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,810.61	37.13
			<i>For Up To 25, Add</i>	702.65	
			<i>For >25 To 50, Add</i>	421.59	
			<i>For >50 To 100, Add</i>	210.80	
26 25 16 00-0017	LF		2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,403.01	37.13
			<i>For Up To 25, Add</i>	850.75	
			<i>For >25 To 50, Add</i>	510.45	
			<i>For >50 To 100, Add</i>	255.23	
26 25 16 00-0018	LF		3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,255.82	63.53
			<i>For Up To 25, Add</i>	1,313.96	
			<i>For >25 To 50, Add</i>	788.37	
			<i>For >50 To 100, Add</i>	394.19	
26 25 16 00-0019	LF		4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	6,596.12	63.53
			<i>For Up To 25, Add</i>	1,649.03	
			<i>For >25 To 50, Add</i>	989.42	
			<i>For >50 To 100, Add</i>	494.71	
26 25 16 00-0020	LF		5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	7,799.81	117.98
			<i>For Up To 25, Add</i>	1,949.95	
			<i>For >25 To 50, Add</i>	1,169.97	
			<i>For >50 To 100, Add</i>	584.99	
26 25 16 00-0021	LF		6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	9,650.58	117.98
			<i>For Up To 25, Add</i>	2,412.65	
			<i>For >25 To 50, Add</i>	1,447.59	
			<i>For >50 To 100, Add</i>	723.79	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001			Revenue Metering <small>(26 27 13)</small>		
26 27 13 00-0002			Meter Socket Base <small>(26 27 13 00-0001)</small>		
			Note: NEMA 3R.		
26 27 13 00-0003	EA		100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	204.24	53.62
26 27 13 00-0004	EA		100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	217.46	53.62
26 27 13 00-0005	EA		200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	277.34	66.00
26 27 13 00-0006	EA		200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	281.09	66.00
26 27 13 00-0007	EA		200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	561.09	74.25
26 27 13 00-0008	EA		320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	751.56	82.51
26 27 13 00-0009	EA		400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,894.51	90.75
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,073.17	412.52
26 27 13 00-0011			Meter Device <small>(26 27 13 00-0001)</small>		
			Note: Direct read, with 15 minute demand.		
26 27 13 00-0012	EA		100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	211.67	16.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.15	
26 27 13 00-0013	EA		200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	606.35	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 27 13 00-0014			Current Transformer Enclosure <small>(26 27 13 00-0001)</small>		
26 27 13 00-0015	EA		18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	417.33	107.26
26 27 13 00-0016			120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0017			800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0018	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	829.87	51.57
26 27 13 00-0019	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,094.18	61.88
26 27 13 00-0020	EA		5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,357.06	72.19
26 27 13 00-0021	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,572.91	82.51
26 27 13 00-0022	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,052.38	92.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,215.51	103.12
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,584.51	123.75
26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0016)		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,542.38	51.57
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,033.26	61.88
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,801.28	82.51
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,106.89	92.81
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,911.27	103.12
26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,272.98	72.19
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,675.51	82.51
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,052.38	92.81
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,415.01	103.12
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,048.39	113.44
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,197.27	123.75
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,965.27	144.38
26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0016)		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,982.63	72.19
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,601.76	82.51
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,669.02	103.12
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.89	113.44
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,035.50	123.75
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)		
26 27 13 00-0046 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0045)		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	901.80	61.88
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,181.78	72.19
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,460.34	82.51
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,696.13	92.81
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,087.26	103.12
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,250.38	113.44
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,776.14	134.07
26 27 13 00-0054 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,620.01	61.88
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,139.39	72.19
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,092.64	92.81
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,398.27	103.12
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,117.17	113.44
26 27 13 00-0060 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,344.92	82.51
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,753.15	92.81
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,172.78	103.12
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,535.41	113.44
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,197.30	123.75
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,346.15	134.07
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,171.17	154.69
26 27 13 00-0068 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0045)		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,074.52	82.51
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,736.40	92.81
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.92	113.44
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,109.27	123.75
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,227.15	134.07
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0075 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0074)		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	829.87	51.57
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,094.18	61.88
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,572.91	82.51
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,052.38	92.81
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,543.26	103.12

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0081			1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,542.37	51.57
26 27 13 00-0083	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,033.25	61.88
26 27 13 00-0084	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,943.77	82.51
26 27 13 00-0085	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,249.39	92.81
26 27 13 00-0086	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,911.27	103.12
26 27 13 00-0087			800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,272.98	72.19
26 27 13 00-0089	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,675.51	82.51
26 27 13 00-0090	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,415.01	103.12
26 27 13 00-0091	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,048.39	113.44
26 27 13 00-0092	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,197.27	123.75
26 27 13 00-0093			1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,982.64	72.19
26 27 13 00-0095	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,601.76	82.51
26 27 13 00-0096	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,669.02	103.12
26 27 13 00-0097	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.89	113.44
26 27 13 00-0098	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,035.52	123.75
26 27 13 00-0099			120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0100			800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	901.80	61.88
26 27 13 00-0102	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,181.78	72.19
26 27 13 00-0103	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,696.13	92.81
26 27 13 00-0104	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,229.76	103.12
26 27 13 00-0105	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,535.38	113.44
26 27 13 00-0106			1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,620.00	61.88
26 27 13 00-0108	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,139.38	72.19
26 27 13 00-0109	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,950.14	92.81
26 27 13 00-0110	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,255.77	103.12
26 27 13 00-0111	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,117.14	113.44
26 27 13 00-0112			800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,344.91	82.51
26 27 13 00-0114	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,753.13	92.81
26 27 13 00-0115	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,535.38	113.44
26 27 13 00-0116	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,197.27	123.75
26 27 13 00-0117	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,346.15	134.07
26 27 13 00-0118			1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,074.51	82.51
26 27 13 00-0120	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,736.38	92.81
26 27 13 00-0121	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.89	113.44
26 27 13 00-0122	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,109.27	123.75
26 27 13 00-0123	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,227.15	134.07
26 27 13 00-0124			Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125	EA		Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	874.37	49.50
26 27 13 00-0126	EA		Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	2,688.47	99.00
26 27 13 00-0127	EA		Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,414.79	74.25
26 27 13 00-0128	EA		Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,740.23	74.25
26 27 13 00-0129	EA		Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,462.59	74.25
26 27 13 00-0130	EA		C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	995.83	68.48
26 27 13 00-0131	EA		P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,700.05	123.75
26 27 13 00-0132			Watt/Hour Meter Systems <small>(26 27 13)</small> Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133			Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134	EA		400 Amperes System; 200 Amperes M-90 Meter And Enclosure	4,293.80	495.10

			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 13 00-0135	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	5,061.85	495.10
26 27 13 00-0136 Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>				
26 27 13 00-0137	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	7,665.92	495.10
26 27 13 00-0138	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	9,340.68	495.10
26 27 13 00-0139	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,050.94	495.10
26 27 16 Electrical Cabinets and Enclosures <small>(26 27)</small>				
26 27 16 00-0001 NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>				
26 27 16 00-0002 Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>				
26 27 16 00-0003 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>				
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	53.68	16.50
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	60.32	18.15
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	67.02	19.80
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.25	23.11
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	85.37	24.75
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	93.05	26.41
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.76	26.41
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	100.64	28.05
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	108.94	29.70
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.91	39.60
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	171.00	47.86
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	162.21	46.20
26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>				
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	67.58	19.80
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.36	23.11
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	98.16	28.05
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	106.25	29.70
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	114.51	31.35
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	123.19	33.00
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	156.10	42.90
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	188.99	52.80
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	182.17	51.16
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	237.45	66.00
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	307.68	75.91
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	352.99	82.51
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	394.41	87.45
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	431.73	90.75
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	285.58	66.00
26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>				
26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>				
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	36.53	11.55
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	52.22	16.50
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	58.30	18.15
26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>				
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	40.80	13.20
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	50.56	16.50
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	56.53	18.15
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.60	19.80
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	73.04	23.11
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	79.41	24.75
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	86.12	26.41
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.86	26.41
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.88	28.05
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.10	29.70
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	130.81	39.60
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	162.02	49.50
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	150.30	46.20
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	194.76	59.40
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	283.15	74.25
26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>				
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.96	19.80
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	69.52	21.45
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	80.14	24.75
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	90.99	28.05
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	98.10	29.70
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	105.30	31.35
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	112.81	33.00
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	144.33	42.90
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	177.31	52.80
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	168.35	51.16

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	218.99	66.00
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	274.61	75.91
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	315.49	82.51
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	340.90	87.45
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	373.73	90.75
26 27 16 00-0069			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	90.99	28.05
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	124.46	36.30
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	158.21	46.20
26 27 16 00-0073	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.30	57.75
26 27 16 00-0074	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	187.46	56.10
26 27 16 00-0075	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	232.25	69.31
26 27 16 00-0076	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	258.67	79.21
26 27 16 00-0077	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	301.36	84.15
26 27 16 00-0078	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	347.94	90.75
26 27 16 00-0079	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	370.35	95.70
26 27 16 00-0080	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	389.36	99.00
26 27 16 00-0081	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	400.11	99.00
26 27 16 00-0082			10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0083	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	212.91	62.70
26 27 16 00-0084	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	280.50	80.85
26 27 16 00-0085	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	283.24	85.80
26 27 16 00-0086	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	370.68	92.40
26 27 16 00-0087	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	427.28	102.30
26 27 16 00-0088	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	475.54	105.60
26 27 16 00-0089	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	507.65	110.55
26 27 16 00-0090			12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0091	EA		18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	309.68	89.10
26 27 16 00-0092	EA		24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	307.54	94.06
26 27 16 00-0093	EA		24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	407.44	102.30
26 27 16 00-0094	EA		24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	466.31	112.20
26 27 16 00-0095	EA		30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	524.75	117.15
26 27 16 00-0096	EA		36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	553.72	122.11
26 27 16 00-0097			NEMA 1 Enclosures For Up To 6 Boards, Lockable <small>(26 27 16)</small>		
26 27 16 00-0098			4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures <small>(26 27 16 00-0097)</small>		
26 27 16 00-0099	EA		24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	838.39	72.61
26 27 16 00-0100			NEMA 12 Enclosures, Lockable <small>(26 27 16)</small>		
			Note: Dust-tight enclosures.		
26 27 16 00-0101			Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0102			4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0103	EA		4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	79.99	13.20
26 27 16 00-0104	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	103.83	18.15
26 27 16 00-0105	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	128.22	23.11
26 27 16 00-0106	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	138.91	24.75
26 27 16 00-0107	EA		12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	156.43	26.41
26 27 16 00-0108	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	168.65	28.05
26 27 16 00-0109			6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0110	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	115.39	19.80
26 27 16 00-0111	EA		8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	127.26	21.45
26 27 16 00-0112			Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0113			4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0114	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	163.87	13.20
26 27 16 00-0115	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	195.77	18.15
26 27 16 00-0116	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	221.63	19.80
26 27 16 00-0117	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	253.41	23.11
26 27 16 00-0118	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	260.30	24.75
26 27 16 00-0119	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	308.40	26.41
26 27 16 00-0120	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	331.25	28.05
26 27 16 00-0121	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	377.70	29.70
26 27 16 00-0122			6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0123	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	239.14	19.80
26 27 16 00-0124	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	270.67	21.45
26 27 16 00-0125	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	294.57	24.75
26 27 16 00-0126	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	348.24	29.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	377.94	33.00
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	525.85	42.90
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	815.04	66.00
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,071.27	75.91
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,208.88	82.51
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,115.28	84.15
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,287.48	90.75
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,416.64	95.70
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,564.18	99.00
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,542.17	99.00
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,001.72	134.07
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,046.51	148.50
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,792.06	158.82
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,659.01	198.00
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,432.12	233.49
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,361.91	233.49
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,980.81	247.50
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,797.82	264.01
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,509.07	264.01
26 27 16 00-0151 NEMA 3 Enclosures, Lockable <small>(26 27 16)</small>		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	229.24	57.75
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	247.24	57.75
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	319.50	59.81
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	331.74	59.81
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	420.17	61.88
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	316.19	59.81
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	348.21	59.81
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	363.09	61.88
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	461.46	61.88
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	507.80	66.00
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	546.84	70.13
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	570.23	70.13
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	681.00	72.19
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	739.84	74.25
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,017.90	82.51
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	487.74	63.94
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	616.84	72.19
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	725.45	74.25
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	838.49	76.32
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	893.67	76.32
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,017.60	82.51
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,177.77	92.81
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,109.48	88.69
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,159.04	165.01
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,761.82	206.26
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	901.74	78.37
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,359.99	103.12
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,382.52	103.12
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,868.99	154.69

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,472.08	165.01
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,308.14	288.76
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,299.95	206.26
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,094.08	247.50
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,183.04	226.89
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	73.31	16.50
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	80.97	18.15
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	122.72	19.80
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	154.56	24.75
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	172.55	28.05
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	203.09	31.35
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	219.93	33.00
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	286.36	42.90
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	341.82	52.80
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	388.12	66.00
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	596.02	84.15
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	662.09	90.75
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	747.94	95.70
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	787.35	99.00
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	739.89	102.30
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	835.83	115.51
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	925.27	127.88
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,019.56	141.08
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,109.83	153.46
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	475.86	80.85
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	739.89	102.30
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	882.41	105.60
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,124.46	115.51
26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	724.91	81.68
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	812.71	91.58
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	899.69	101.48
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	995.27	112.20
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,083.07	122.11
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	541.53	61.05
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	724.91	81.68
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	812.71	91.58
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	957.16	107.26
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,083.07	122.11
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,027.60	120.45
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,083.07	122.11
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,142.19	125.41
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,275.45	132.01
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,385.21	138.60
26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)		
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	51.36	13.20
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	61.92	16.50
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	68.39	18.15
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	75.93	19.80
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	88.13	23.11
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	96.20	24.75
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	105.01	26.41
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	104.50	26.41
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	114.48	28.05
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	123.29	29.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	185.85	46.20
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	248.60	59.40
26 27 16 00-0252		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	70.91	19.80
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	97.56	24.75
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	110.51	28.05
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	120.01	29.70
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	119.26	29.70
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	129.37	31.35
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	139.58	33.00
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	182.22	42.90
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	209.17	51.16
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	279.88	66.00
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	291.48	70.95
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	334.93	75.91
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	378.29	82.51
26 27 16 00-0266		8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	156.44	36.30
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	225.37	56.10
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	309.81	72.61
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	370.54	84.15
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	420.78	90.75
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	469.23	95.70
26 27 16 00-0273		10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	341.53	80.85
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	461.83	102.30
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	508.97	105.60
26 27 16 00-0277		12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	510.48	112.20
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	722.78	122.11
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	747.28	125.41
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	879.03	132.01
26 27 16 00-0282		NEMA 4 Enclosures, Lockable <small>(26 27 16)</small>		
Note: Water-tight enclosures.				
26 27 16 00-0283		Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	89.79	11.55
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	104.37	14.03
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	130.25	18.15
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	123.33	18.15
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	164.50	24.75
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	205.70	29.70
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	189.61	28.05
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	220.85	33.00
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	260.47	37.95
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	314.46	47.86
26 27 16 00-0294		Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	81.75	11.55
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	115.31	18.15
26 27 16 00-0297		Screw Cover, Fiberglass NEMA 4 Or 4X Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	101.74	15.84
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	107.86	17.16
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	131.45	22.44
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	154.49	24.75
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	200.53	31.35
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	234.20	37.13
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	324.74	59.40
26 27 16 00-0305		NEMA 4X Enclosures, Lockable <small>(26 27 16)</small>		
Note: Water-tight enclosures.				
26 27 16 00-0306		Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	185.53	13.20
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	216.94	18.15
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	273.76	24.75
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	332.58	29.70
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	409.10	37.95
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	481.00	47.86

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 27 16 00-0313	Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
26 27 16 00-0314	EA 4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....237.54	11.55	
	<i>For 316L Stainless Steel, Add</i> .....56.34		
26 27 16 00-0315	EA 6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....308.26	16.50	
	<i>For 316L Stainless Steel, Add</i> .....72.09		
26 27 16 00-0316	EA 6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....349.57	18.15	
	<i>For 316L Stainless Steel, Add</i> .....82.13		
26 27 16 00-0317	EA 8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....400.54	19.80	
	<i>For 316L Stainless Steel, Add</i> .....94.78		
26 27 16 00-0318	EA 10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....491.73	24.75	
	<i>For 316L Stainless Steel, Add</i> .....116.06		
26 27 16 00-0319	EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....693.28	31.35	
	<i>For 316L Stainless Steel, Add</i> .....166.03		
26 27 16 00-0320	EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....864.82	37.95	
	<i>For 316L Stainless Steel, Add</i> .....207.88		
26 27 16 00-0321	EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....1,041.59	47.86	
	<i>For 316L Stainless Steel, Add</i> .....248.93		
26 27 16 00-0322	Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
	Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....102.41	18.15	
26 27 16 00-0324	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....115.53	19.80	
26 27 16 00-0325	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....132.04	23.11	
26 27 16 00-0326	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....143.67	24.75	
26 27 16 00-0327	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....166.17	28.05	
26 27 16 00-0328	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....155.67	28.05	
26 27 16 00-0329	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....181.87	31.35	
26 27 16 00-0330	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....228.44	37.95	
26 27 16 00-0331	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....290.51	51.98	
26 27 16 00-0332	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....371.12	74.83	
26 27 16 00-0333	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....110.67	18.15	
26 27 16 00-0334	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....125.29	19.80	
26 27 16 00-0335	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....142.54	23.11	
26 27 16 00-0336	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....156.42	24.75	
26 27 16 00-0337	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....179.68	28.05	
26 27 16 00-0338	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....168.43	28.05	
26 27 16 00-0339	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....199.18	31.35	
26 27 16 00-0340	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....237.44	37.95	
26 27 16 00-0341	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....309.28	51.98	
26 27 16 00-0342	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....391.37	74.83	
26 27 16 00-0343	Hinged Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
	Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....125.67	18.15	
26 27 16 00-0345	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....134.29	19.80	
26 27 16 00-0346	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....152.29	23.11	
26 27 16 00-0347	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....164.68	24.75	
26 27 16 00-0348	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....195.44	28.05	
26 27 16 00-0349	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....178.93	28.05	
26 27 16 00-0350	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....220.93	31.35	
26 27 16 00-0351	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....262.21	37.95	
26 27 16 00-0352	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....319.78	51.98	
26 27 16 00-0353	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....409.38	74.83	
26 27 16 00-0354	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....131.68	18.15	
26 27 16 00-0355	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....145.54	19.80	
26 27 16 00-0356	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....162.80	23.11	
26 27 16 00-0357	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....175.93	24.75	
26 27 16 00-0358	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....210.45	28.05	
26 27 16 00-0359	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....191.68	28.05	
26 27 16 00-0360	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....236.70	31.35	
26 27 16 00-0361	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....269.71	37.95	
26 27 16 00-0362	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....344.53	51.98	
26 27 16 00-0363	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....435.65	74.83	
26 27 16 00-0364	NEMA 7/9 Enclosures, Lockable <small>(26 27 16)</small>		
	Note: Nominal inside dimensions.		
26 27 16 00-0365	4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0366	EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....1,063.01	92.81	
	<i>For Mounting Pan, Add</i> .....46.44		
26 27 16 00-0367	EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....839.90	99.00	
	<i>For Mounting Pan, Add</i> .....86.54		
26 27 16 00-0368	EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....1,667.17	111.38	
	<i>For Mounting Pan, Add</i> .....119.34		
26 27 16 00-0369	6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0370	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....1,478.69	111.38	
	<i>For Mounting Pan, Add</i> .....60.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0371	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,936.09 119.34	114.47
26 27 16 00-0372	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,979.13 91.28	123.75
26 27 16 00-0373	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,032.11 106.80	123.75
26 27 16 00-0374	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,879.40 140.12	154.69
26 27 16 00-0375	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,716.36 87.49	139.22
26 27 16 00-0376	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,806.87 130.91	154.69
26 27 16 00-0377	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	4,323.63 176.12	278.44
26 27 16 00-0378	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	3,443.89 171.48	185.63
26 27 16 00-0379	EA		16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	4,499.36 157.43	309.38
26 27 16 00-0380	EA		18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	5,411.53 255.93	309.38
26 27 16 00-0381			8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382	EA		8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,311.44 91.28	139.22
26 27 16 00-0383	EA		10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,327.90 106.80	139.22
26 27 16 00-0384	EA		10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,641.47 140.12	139.22
26 27 16 00-0385	EA		12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,927.02 87.49	154.69
26 27 16 00-0386	EA		12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	4,238.69 130.91	278.44
26 27 16 00-0387	EA		12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	5,157.48 176.12	340.33
26 27 16 00-0388	EA		12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	8,140.30 264.87	402.21
26 27 16 00-0389	EA		14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	4,633.78 171.48	340.33
26 27 16 00-0390	EA		16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	4,762.82 157.43	340.33
26 27 16 00-0391	EA		16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	7,137.46 235.98	371.27
26 27 16 00-0392	EA		18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	5,884.94 255.93	340.33
26 27 16 00-0393	EA		18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	7,886.40 374.25	371.27
26 27 16 00-0394	EA		18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	7,831.61 498.92	371.27
26 27 16 00-0395	EA		18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	12,183.73 623.56	495.02
26 27 16 00-0396	EA		24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	9,265.10 579.80	402.21
26 27 16 00-0397	EA		24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	16,819.75 793.74	618.77
26 27 16 00-0398			10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399	EA		12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	8,472.25 264.87	402.21
26 27 16 00-0400	EA		16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	7,798.62 235.98	371.27
26 27 16 00-0401	EA		18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	8,496.95 374.25	402.21
26 27 16 00-0402	EA		18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	10,756.32 623.56	433.14
26 27 16 00-0403	EA		24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	9,502.56 579.80	433.14
26 27 16 00-0404	EA		24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	18,340.44 793.74	618.77
26 27 16 00-0405			12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406	EA		12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	5,275.87 176.12	340.33
26 27 16 00-0407			Breaker Enclosures <small>(26 27 16)</small>		
			See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408			15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409	EA		NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	308.01	66.00
26 27 16 00-0410	EA		NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	597.61	66.00
26 27 16 00-0411	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,514.05	90.75

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0412	EA		NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,065.99	99.00
26 27 16 00-0413	EA		NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,491.44	99.00
26 27 16 00-0414	EA		NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	493.47	90.75
26 27 16 00-0415			15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0416	EA		NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	499.97	90.75
26 27 16 00-0417	EA		NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	963.73	90.75
26 27 16 00-0418	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	3,401.74	115.51
26 27 16 00-0419	EA		NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	772.96	115.51
26 27 16 00-0420			125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0421	EA		NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	760.62	181.51
26 27 16 00-0422	EA		NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,904.21	181.51
26 27 16 00-0423	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	5,744.75	231.01
26 27 16 00-0424	EA		NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,302.81	231.01
26 27 16 00-0425			300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0426	EA		NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	1,494.83	346.52
26 27 16 00-0427	EA		NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,703.53	346.52
26 27 16 00-0428	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	10,319.36	445.52
26 27 16 00-0429	EA		NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	5,470.60	445.52
26 27 16 00-0430			250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)		
26 27 16 00-0431	EA		NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	1,866.38	346.52
26 27 16 00-0432	EA		NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	3,291.12	346.52
26 27 16 00-0433	EA		NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	6,941.90	445.52
26 27 16 00-0434			Legend Plates (26 27 16)		
26 27 16 00-0435	EA		3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	12.26	4.12
26 27 16 00-0436	EA		3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	18.20	4.12
26 27 19			Multi-Outlet Assemblies (26 27)		
26 27 19 00-0001			Surface Metal Raceway, Preassembled With Outlets (26 27 19)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).					
26 27 19 00-0002	LF		Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	23.05	6.02
For Concrete Or Masonry Surface, Add				0.60	
26 27 19 00-0003	LF		Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	18.13	4.29
For Concrete Or Masonry Surface, Add				0.43	
26 27 19 00-0004	LF		Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	16.73	4.53
For Concrete Or Masonry Surface, Add				0.45	
26 27 19 00-0005	LF		Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	18.95	4.29
For Concrete Or Masonry Surface, Add				0.43	
26 27 19 00-0006	LF		Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center.....	14.71	4.37
For Concrete Or Masonry Surface, Add				0.44	
26 27 19 00-0007	LF		Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center.....	21.63	4.29
For Concrete Or Masonry Surface, Add				0.43	
26 27 19 00-0008	LF		Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center.....	18.70	4.29
For Concrete Or Masonry Surface, Add				0.43	
26 27 19 00-0009	LF		Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center.....	20.47	4.29
For Concrete Or Masonry Surface, Add				0.43	
26 27 23			Indoor Service Poles (26 27)		
26 27 23 00-0001			Communication And Power Poles (26 27 23)		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.					
26 27 23 00-0002			Steel Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0003			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0004			2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0005	EA		2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	229.76	36.53
26 27 23 00-0006	EA		2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	250.12	36.53
26 27 23 00-0007	EA		2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	273.66	36.53
26 27 23 00-0008			Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
Note: Excludes receptacles, communication jacks and wiring.					
26 27 23 00-0009	EA		Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	47.04	7.53
26 27 23 00-0010	EA		Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	40.61	7.53
26 27 23 00-0011	EA		Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	46.15	7.53
26 27 23 00-0012	EA		Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	33.87	7.53

MINOR	CSI	UOM	DESCRIPTION			TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST	
26 27 23 00-0013	EA		Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting.....			27.68		7.53	
26 27 23 00-0014			2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>						
26 27 23 00-0015			2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>						
26 27 23 00-0016	EA		2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			299.57		36.53	
26 27 23 00-0017	EA		2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			343.32		36.53	
26 27 23 00-0018	EA		2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			366.94		36.53	
26 27 23 00-0019			Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>						
			Note: Excludes receptacles and communication jacks.						
26 27 23 00-0020	EA		Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle.....			31.14		7.53	
26 27 23 00-0021	EA		Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....			27.87		7.53	
26 27 23 00-0022	EA		Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....			30.21		7.53	
26 27 23 00-0023			3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>						
26 27 23 00-0024			3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>						
26 27 23 00-0025	EA		3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			392.29		36.53	
26 27 23 00-0026	EA		3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			444.96		36.53	
26 27 23 00-0027	EA		3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....			479.67		36.53	
26 27 23 00-0028			Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>						
			Note: Excludes receptacles and communication jacks.						
26 27 23 00-0029	EA		Add-On 3" Width Steel Cover Plate For One Single Receptacle.....			31.14		7.53	
26 27 23 00-0030	EA		Add-On 3" Width Steel Cover Plate For One Duplex Receptacle.....			27.87		7.53	
26 27 23 00-0031	EA		Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....			30.21		7.53	
26 27 23 00-0032			Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>						
26 27 23 00-0033			2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>						
26 27 23 00-0034			2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>						
26 27 23 00-0035	EA		2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			313.27		36.53	
26 27 23 00-0036	EA		2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			350.09		36.53	
26 27 23 00-0037	EA		2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			391.37		36.53	
26 27 23 00-0038			Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>						
26 27 23 00-0039	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....			48.30		7.53	
26 27 23 00-0040	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....			49.33		7.53	
26 27 23 00-0041	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....			52.79		7.53	
26 27 23 00-0042	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....			35.81		7.53	
26 27 23 00-0043	EA		Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....			27.68		7.53	
26 27 23 00-0044			2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>						
26 27 23 00-0045	EA		2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			301.77		36.53	
26 27 23 00-0046	EA		2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			339.54		36.53	
26 27 23 00-0047	EA		2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			384.03		36.53	
26 27 23 00-0048			5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>						
26 27 23 00-0049	EA		5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			638.16		36.53	
26 27 23 00-0050	EA		5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			730.78		36.53	
26 27 23 00-0051	EA		5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			834.51		36.53	
26 27 23 00-0052			2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>						
26 27 23 00-0053	EA		2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....			343.98		36.53	
26 27 23 00-0054	EA		2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....			325.32		36.53	
26 27 23 00-0055	EA		2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....			418.47		36.53	
26 27 26			Wiring Devices <small>(26 27)</small>						
26 27 26 00-0001			Receptacles <small>(26 27 26)</small>						
26 27 26 00-0002			General Use Receptacles <small>(26 27 26 00-0001)</small>						
26 27 26 00-0003			Receptacle Assemblies <small>(26 27 26 00-0002)</small>						
			Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.						
26 27 26 00-0004	EA		15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....			70.16		29.29	
26 27 26 00-0005	EA		20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....			75.08		31.35	
26 27 26 00-0006	EA		15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....			90.03		37.54	
26 27 26 00-0007	EA		20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....			99.89		41.67	
26 27 26 00-0008	EA		15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....			81.00		29.29	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009	EA		20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	86.49	31.35
26 27 26 00-0010			Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	19.46	8.25
26 27 26 00-0012	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	18.82	8.25
26 27 26 00-0013	EA		15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	22.55	8.25
26 27 26 00-0014	EA		15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	24.71	8.25
26 27 26 00-0015	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	31.58	10.31
26 27 26 00-0016	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	38.66	10.31
26 27 26 00-0017	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	20.29	8.25
26 27 26 00-0018	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	19.62	8.25
26 27 26 00-0019	EA		20 Amperes, 120/277 Volt, Single Receptacle	29.34	8.25
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle	24.03	8.25
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	31.58	10.31
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	38.66	10.31
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	61.36	10.31
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	61.36	10.31
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle	50.91	12.38
26 27 26 00-0026			Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027			Specialty Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	44.94	14.44
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	44.94	14.44
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	57.71	14.44
26 27 26 00-0031	EA		30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	69.60	14.44
26 27 26 00-0032	EA		30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	73.73	16.50
26 27 26 00-0033	EA		50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	67.85	16.50
26 27 26 00-0034	EA		50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	66.19	16.50
26 27 26 00-0035	EA		50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	57.64	16.50
26 27 26 00-0036	EA		50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	69.93	16.50
26 27 26 00-0037	EA		50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	82.79	16.50
26 27 26 00-0038	EA		50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	86.92	18.56
26 27 26 00-0039	EA		60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	95.56	20.63
26 27 26 00-0040	EA		60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	103.81	24.75
26 27 26 00-0041	EA		100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	992.21	193.88
26 27 26 00-0042	EA		400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	2,476.62	237.20
26 27 26 00-0043	EA		30 Amperes, 230 Volt, Dryer Receptacle	53.77	16.50
26 27 26 00-0044	EA		60 Amperes, 230 Volt, Range Receptacle	78.60	24.75
26 27 26 00-0045	EA		15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	51.56	10.31
26 27 26 00-0046	EA		Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,031.04	251.02
26 27 26 00-0047			Isolated Ground Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0048	EA		15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	64.73	8.25
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	43.50	10.31
26 27 26 00-0050	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	43.34	10.31
26 27 26 00-0051	EA		30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	59.79	16.50
26 27 26 00-0052	EA		Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	48.95	10.31
26 27 26 00-0053	EA		Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	44.71	10.31
26 27 26 00-0054	EA		Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	62.09	12.38
26 27 26 00-0055	EA		Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	48.89	12.38
26 27 26 00-0056	EA		Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	63.66	12.38
26 27 26 00-0057	EA		Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	78.05	12.38
26 27 26 00-0058	EA		Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	76.15	16.50
26 27 26 00-0059			Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060	EA		1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	659.63	20.63
26 27 26 00-0061	EA		3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	607.18	22.68
26 27 26 00-0062	EA		3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,008.94	41.25
26 27 26 00-0063	EA		3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,272.61	41.25
26 27 26 00-0064	EA		1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,608.79	61.88
26 27 26 00-0065	EA		1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,532.45	61.88
26 27 26 00-0066			Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	27.60	10.31
26 27 26 00-0068	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	39.28	12.38
26 27 26 00-0069	EA		15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	29.49	14.06
26 27 26 00-0070	EA		20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	50.40	16.50
26 27 26 00-0071			Arc Fault Circuit Interrupter (AFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0072	EA		15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	51.23	10.31
26 27 26 00-0073	EA		20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	56.48	10.31
26 27 26 00-0074			Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0075	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	38.76	10.31
26 27 26 00-0076	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	48.17	10.31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	42.77	12.38
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	42.36	12.38
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	50.64	12.38
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	61.34	12.38
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	60.15	12.38
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	52.33	12.38
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	59.17	16.50
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	60.16	16.50
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	81.98	16.50
26 27 26 00-0086		Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	194.85	41.25
26 27 26 00-0088	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	194.39	41.25
26 27 26 00-0089	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	203.15	41.25
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	248.55	45.38
26 27 26 00-0091	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	249.28	45.38
26 27 26 00-0092	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	247.59	45.38
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	297.29	50.73
26 27 26 00-0094	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	283.04	50.73
26 27 26 00-0095	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	305.35	50.73
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	307.79	55.69
26 27 26 00-0097	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	307.51	55.69
26 27 26 00-0098	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	309.53	55.69
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	434.78	66.00
26 27 26 00-0100	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	417.52	66.00
26 27 26 00-0101	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	428.75	66.00
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	477.48	73.43
26 27 26 00-0103	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	477.81	73.43
26 27 26 00-0104	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	478.14	73.43
26 27 26 00-0105	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	531.34	82.51
26 27 26 00-0106	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	553.46	82.51
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	595.16	90.75
26 27 26 00-0108	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	593.50	90.75
26 27 26 00-0109	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	596.62	90.75
26 27 26 00-0110		Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0111	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	54.28	8.25
26 27 26 00-0112	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	109.90	10.31
26 27 26 00-0113		Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0114	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	20.53	8.25
26 27 26 00-0115	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	22.61	8.25
26 27 26 00-0116	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	28.57	8.25
26 27 26 00-0117	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	31.37	8.25
26 27 26 00-0118	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	48.16	8.25
26 27 26 00-0119	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	52.16	8.25
26 27 26 00-0120	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	55.98	8.25
26 27 26 00-0121		USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	49.65	8.25
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	53.80	8.25
26 27 26 00-0124		Switches <small>(26 27 26)</small>		
26 27 26 00-0125		Switches <small>(26 27 26 00-0124)</small>		
26 27 26 00-0126		Switch Assemblies <small>(26 27 26 00-0125)</small> Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	72.82	28.87
26 27 26 00-0128	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	78.16	31.35
26 27 26 00-0129	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	97.41	37.74
26 27 26 00-0130	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	106.45	41.87
26 27 26 00-0131	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	167.28	64.76
26 27 26 00-0132	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	180.82	70.95
26 27 26 00-0133	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	192.00	73.22
26 27 26 00-0134	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	210.06	81.47
26 27 26 00-0135		Switch Components <small>(26 27 26 00-0125)</small>		
26 27 26 00-0136	EA	15 Amperes, 120/277 Volt, SPST Switch.....	22.31	8.25
26 27 26 00-0137	EA	15 Amperes, 120/277 Volt, 3-Way Switch.....	28.26	10.31
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, 4-Way Switch.....	55.15	16.50

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, DPST Switch	25.69	8.25
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, Thermal Switch.....	49.51	10.31
26 27 26 00-0141	EA	20 Amperes, 120/277 Volt, SPST Switch.....	26.83	10.31
26 27 26 00-0142	EA	20 Amperes, 120/277 Volt, 3-Way Switch.....	33.23	12.38
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, 4-Way Switch.....	75.24	16.50
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, DPST Switch	32.25	10.31
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, DPDT Switch	34.65	10.31
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	59.88	10.34
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	75.69	10.34
26 27 26 00-0148	EA	Momentary Contact Switch With Separate Neon Pilot.....	57.43	12.41
		Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0149	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off.....	40.90	14.44
		Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0150	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	50.53	16.50
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	75.29	16.50
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0152	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	59.69	16.54
26 27 26 00-0153	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	73.90	16.54
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch.....	77.01	20.68
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch.....	108.01	22.74
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	50.40	13.53
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	72.06	13.53
		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0158	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch.....	62.72	13.53
26 27 26 00-0159	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch.....	59.51	13.53
26 27 26 00-0160	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	67.22	6.70
26 27 26 00-0161	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	71.57	6.70
26 27 26 00-0162	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	75.35	25.81
26 27 26 00-0163	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch.....	91.16	25.81
		Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0164	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	109.91	8.27
26 27 26 00-0165	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	88.71	8.27
26 27 26 00-0166	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	186.65	8.25
26 27 26 00-0167	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	41.29	8.25
26 27 26 00-0168	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	95.39	8.27
26 27 26 00-0169	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	111.36	8.27
26 27 26 00-0170	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	146.21	8.27
26 27 26 00-0171	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	113.20	8.27

26 27 26 00-0172 Specialty Switches (26 27 26 00-0124)

26 27 26 00-0173 Dimmers With SPST Switch (26 27 26 00-0172)

26 27 26 00-0174	EA	600 Watt Dimmers With SPST Switch	49.68	18.56
26 27 26 00-0175	EA	1,000 Watt Dimmers With SPST Switch	88.86	18.56
26 27 26 00-0176	EA	1,500 Watt Dimmers With SPST Switch	160.94	29.87
26 27 26 00-0177	EA	2,000 Watt Dimmers With SPST Switch	210.93	29.87
26 27 26 00-0178	EA	600 Watt Fluorescent Dimmer Switch.....	116.09	22.03
26 27 26 00-0179	EA	1,000 Watt Fluorescent Dimmer Switch.....	159.11	22.03
26 27 26 00-0180	EA	1,500 Watt Fluorescent Dimmer Switch	289.67	33.25
26 27 26 00-0181	EA	Remote Speed Switch For Paddle Fan	82.64	27.47
26 27 26 00-0182	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	137.38	41.00

26 27 26 00-0183 Time Switches (26 27 26 00-0172)

26 27 26 00-0184	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	94.76	24.75
26 27 26 00-0185	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	97.02	24.75
26 27 26 00-0186	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	94.76	24.75
26 27 26 00-0187	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch.....	97.02	24.75
26 27 26 00-0188	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	109.85	24.75
26 27 26 00-0189	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	109.85	24.75
26 27 26 00-0190	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	198.86	24.75
26 27 26 00-0191	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	198.86	24.75
26 27 26 00-0192	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	170.30	24.75
26 27 26 00-0193	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	187.74	24.75
26 27 26 00-0194	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	187.74	24.75
26 27 26 00-0195	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch.....	228.96	24.75
26 27 26 00-0196	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch.....	235.90	24.75
26 27 26 00-0197	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	94.76	24.75
26 27 26 00-0198	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch.....	97.02	24.75
26 27 26 00-0199	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	94.76	24.75
26 27 26 00-0200	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	97.02	24.75
26 27 26 00-0201	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	109.85	24.75
26 27 26 00-0202	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	109.85	24.75
26 27 26 00-0203	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	198.86	24.75
26 27 26 00-0204	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	198.86	24.75
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	228.96	24.75
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	235.90	24.75

26 27 26 00-0207 Low Voltage Switching (26 27 26 00-0172)

26 27 26 00-0208	EA	36 Pin Male Or Female Connector.....	162.83	8.25
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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0209	Other Switches <small>(26 27 26 00-0172)</small>		
26 27 26 00-0210	EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	27.55	12.38
26 27 26 00-0211	EA SPST Locking Switch For Concealed Devices.....	85.45	33.00
26 27 26 00-0212	EA 3-Way Locking Switch For Concealed Devices.....	86.67	33.00
26 27 26 00-0213	EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	96.19	30.86
26 27 26 00-0214	EA 15 Amperes Momentary Contact Switch.....	91.24	30.86
26 27 26 00-0215	EA 20 Amperes Momentary Contact Switch.....	96.45	30.86
26 27 26 00-0216	EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	88.94	37.22
26 27 26 00-0217	EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	90.40	37.22
26 27 26 00-0218	EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	111.29	45.49
26 27 26 00-0219	EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	101.21	41.35
26 27 26 00-0220	EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	101.57	41.35

26 27 26 00-0221 **Plates And Covers** (26 27 26)

26 27 26 00-0222 **Wall Plates** (26 27 26 00-0221)

26 27 26 00-0223 **Nylon Wall Plates** (26 27 26 00-0222)

26 27 26 00-0224	EA 1 Gang Nylon Switch Plate.....	1.34	0.41
26 27 26 00-0225	EA 2 Gang Nylon Switch Plate.....	2.28	0.62
26 27 26 00-0226	EA 3 Gang Nylon Switch Plate.....	3.24	0.82
26 27 26 00-0227	EA 4 Gang Nylon Switch Plate.....	4.70	1.04
26 27 26 00-0228	EA 1 Gang Duplex Nylon Wall Plate.....	1.35	0.41
26 27 26 00-0229	EA 2 Gang Duplex Nylon Wall Plate.....	2.34	0.62

26 27 26 00-0230 **Plastic Wall Plates** (26 27 26 00-0222)

26 27 26 00-0231	EA 1 Gang Plastic Switch Plate.....	1.23	0.41
26 27 26 00-0232	EA 2 Gang Plastic Switch Plate.....	2.07	0.62
26 27 26 00-0233	EA 3 Gang Plastic Switch Plate.....	2.91	0.82
26 27 26 00-0234	EA 4 Gang Plastic Switch Plate.....	4.70	1.04
26 27 26 00-0235	EA 1 Gang Duplex Plastic Wall Plate.....	1.23	0.41
26 27 26 00-0236	EA 2 Gang Duplex Plastic Wall Plate.....	2.08	0.62

26 27 26 00-0237 **Brass Wall Plates** (26 27 26 00-0222)

26 27 26 00-0238	EA 1 Gang, 0.04" Brass Switch Plate.....	13.47	1.86
26 27 26 00-0239	EA 2 Gang, 0.04" Brass Switch Plate.....	25.46	2.15
26 27 26 00-0240	EA 3 Gang, 0.04" Brass Switch Plate.....	37.37	2.39
26 27 26 00-0241	EA 4 Gang, 0.04" Brass Switch Plate.....	58.32	2.60
26 27 26 00-0242	EA 5 Gang, 0.04" Brass Switch Plate.....	71.10	2.77
26 27 26 00-0243	EA 6 Gang, 0.04" Brass Switch Plate.....	82.34	2.90
26 27 26 00-0244	EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	13.47	1.86
26 27 26 00-0245	EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	29.90	2.15
26 27 26 00-0246	EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	43.22	2.39

26 27 26 00-0247 **Stainless Steel Wall Plates** (26 27 26 00-0222)

26 27 26 00-0248	EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	7.06	1.86
26 27 26 00-0249	EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	11.46	2.15
26 27 26 00-0250	EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	16.11	2.39
26 27 26 00-0251	EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	23.78	2.60
26 27 26 00-0252	EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	28.05	2.77
26 27 26 00-0253	EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	34.00	2.90
26 27 26 00-0254	EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	7.77	1.86
26 27 26 00-0255	EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	13.12	2.15
26 27 26 00-0256	EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	21.60	2.39
26 27 26 00-0257	EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	26.16	2.60

26 27 26 00-0258 **Chrome Wall Plates** (26 27 26 00-0222)

26 27 26 00-0259	EA 1 Gang, 0.040" Chrome Switch Plate With Chromium Finish.....	27.27	1.86
26 27 26 00-0260	EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	51.31	2.15
26 27 26 00-0261	EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	75.34	2.39
26 27 26 00-0262	EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	27.25	1.86

26 27 26 00-0263 **Weatherproof Covers** (26 27 26 00-0221)

26 27 26 00-0264 **Stamped Metallic Weatherproof Covers** (26 27 26 00-0263)

Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0265	EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	9.42	0.41
26 27 26 00-0266	EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	10.22	0.41
26 27 26 00-0267	EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	10.22	0.41
26 27 26 00-0268	EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	10.22	0.41
26 27 26 00-0269	EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	12.50	0.62
26 27 26 00-0270	EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	14.22	0.62
26 27 26 00-0271	EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	14.39	0.62
26 27 26 00-0272	EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	14.39	0.62
26 27 26 00-0273	EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	19.63	0.62
26 27 26 00-0274	EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	18.53	0.82
26 27 26 00-0275	EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	20.28	0.82

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 26 00-0276		Cast Metallic Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0277	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	11.56		0.41
26 27 26 00-0278	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	37.20		0.41
26 27 26 00-0279	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	41.73		0.41
26 27 26 00-0280	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	11.47		0.41
26 27 26 00-0281	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	31.51		0.41
26 27 26 00-0282	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	52.50		0.41
26 27 26 00-0283	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	66.88		0.41
26 27 26 00-0284	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	14.39		0.62
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	105.67		0.62
26 27 26 00-0286	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	24.15		0.82
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	100.87		0.82
26 27 26 00-0288		Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0289	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.94		0.41
26 27 26 00-0290	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	5.09		0.41
26 27 26 00-0291	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.82		0.62
26 27 26 00-0292	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	7.41		0.62
26 27 26 00-0293	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	7.41		0.62
26 27 26 00-0294	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	8.27		0.62
26 27 26 00-0295		Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes baked on lacquer finish and neoprene gasket.			
26 27 26 00-0296	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	41.14		0.41
26 27 26 00-0297		Polycarbonate Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes neoprene gasket.			
26 27 26 00-0298	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.21		0.41
26 27 26 00-0299	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.21		0.41
26 27 26 00-0300	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	8.21		0.41
26 27 26 00-0301	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	10.14		0.62
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	10.14		0.62
26 27 26 00-0303		High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes neoprene gasket.			
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	63.47		0.41
26 27 26 00-0305		Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0263)			
		Note: Includes neoprene gasket.			
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	11.48		0.41
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	12.21		0.62
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	11.52		0.41
26 27 26 00-0309	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	25.73		0.41
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	29.87		0.41
26 27 26 00-0311	EA	20 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	24.16		0.41
26 27 26 00-0312	EA	30 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	17.93		0.41
26 27 26 00-0313	EA	50 Amperes, Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	21.03		0.41
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	18.78		0.41
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	27.02		0.62
26 27 26 00-0316		Removal And Reinstallation Of Wiring Devices (26 27 26)			
		Note: Includes storage and cleaning.			
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	54.28		
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	6.87		
26 27 26 00-0319		Relay Systems (26 27 26)			
26 27 26 00-0320	EA	10 Amperes, 24 Volt Coil, 2 Position Relay.....	63.79		18.56
26 27 26 00-0321	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay.....	276.07		61.88
26 27 26 00-0322	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay.....	469.87		82.51
26 27 26 00-0323		Limit Switches (26 27 26)			
26 27 26 00-0324		Heavy Duty Precision Oiltight (26 27 26 00-0323)			
26 27 26 00-0325		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0324)			
26 27 26 00-0326	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated.....	366.94		51.98
26 27 26 00-0327		In Line Midget Fuseholders (26 27 26)			
		See CSI section 26 28 13 00-0078 for fuses.			

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 26 00-0328 EA Single Pole Water Resistant In Line Midget Fuseholder61.54
26 27 26 00-0329 EA Double Pole Water Resistant In Line Midget Fuseholder 144.98

26 27 33 Power Distribution Units (26 27)

26 27 33 00-0001

Liebert Precision Power Center (26 27 33)

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) 14,678.78 253.69
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) 17,728.70 274.98
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) 20,205.86 305.26
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) 23,251.75 330.01
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) 25,364.32 412.52
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) 28,450.67 495.02
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) 32,825.84 577.52
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) 34,508.81 660.02
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) 36,449.53 742.53
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA 1,293.45 82.51
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA 1,936.15 103.12
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA 4,383.21 123.75
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit 1,320.05
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only 990.04

26 28 Low-Voltage Circuit Protective Devices (26 28)

26 28 13 Fuses (26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)

26 28 13 00-0002 EA 1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 18.53 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0003 EA 2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 18.10 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0004 EA 3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 17.53 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0005 EA 5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 17.44 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0006 EA 6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 17.98 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0007 EA 8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 16.93 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0008 EA 10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 16.68 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0009 EA 15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 14.63 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0010 EA 20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 14.32 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0011 EA 25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 14.91 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0012 EA 30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse 14.50 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96

26 28 13 00-0013 Class RK1, Time Delay Fuses (26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses (26 28 13 00-0013)

26 28 13 00-0015 EA 1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 28.63 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0016 EA 2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 26.77 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0017 EA 3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 28.06 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0018 EA 4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 27.90 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0019 EA 5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 26.60 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0020 EA 10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 25.82 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0021 EA 15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 23.77 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0022 EA 20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 23.61 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0023 EA 25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 23.78 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0024 EA 30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 23.57 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0025 EA 35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 32.32 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0026 EA 40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 31.70 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0027 EA 45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 32.17 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0028 EA 50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 31.78 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96
26 28 13 00-0029 EA 60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse 31.22 5.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 3.96

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	345.93 6.68	10.06
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	348.36 8.17	12.29
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	392.61 8.17	12.29
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	355.88 8.17	12.29
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	637.88 8.17	12.29
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.79 9.90	14.85
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	496.35 9.90	14.85
26 28 13 00-0078		600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small> Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.86 3.96	5.94
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.35 3.96	5.94
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.21 3.96	5.94
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.05 3.96	5.94
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.38 3.96	5.94
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.66 3.96	5.94
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.03 3.96	5.94
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.07 3.96	5.94
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.46 3.96	5.94
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.07 3.96	5.94
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.25 3.96	5.94
26 28 13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <small>(26 28 13)</small>		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.97 2.48	4.12
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.29 2.48	4.12
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.60 2.97	4.95
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.49 3.71	6.19
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.26 3.71	6.19
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.57 3.71	6.19
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.61 4.95	8.25
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.87 4.95	8.25
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.75 4.95	8.25
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.80 4.95	8.25
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.22 4.95	8.25
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.91 6.19	10.31
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.84 6.19	10.31
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.66 7.43	12.38
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.57 7.43	12.38
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.06 7.43	12.38
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.52 8.66	14.44
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.64 8.66	14.44
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.78 8.66	14.44
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.27 9.90	16.50
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.57 9.90	16.50
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.72 9.90	16.50

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0113 EA 225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	332.46	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0114 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	307.41	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0115 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	283.30	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0116 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	308.96	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0117 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	255.21	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0118 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	541.48	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0119 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	459.74	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0120 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	342.13	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>		
26 28 13 00-0122 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,035.25	10.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 28 13 00-0123 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,037.29	10.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,039.20	10.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,036.00	12.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	954.21	12.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.43	
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,021.10	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	939.90	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 28 13 00-0129 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,051.10	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 28 13 00-0130 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,030.61	14.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 28 13 00-0131 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	916.96	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0132 EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	941.61	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0133 EA 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,251.36	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0134 EA 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	912.50	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 28 13 00-0135 EA 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,400.56	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0136 EA 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	807.47	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0137 EA 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,178.31	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0138 EA 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	793.92	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0139 EA 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	817.49	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0140 EA 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,815.05	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0141 EA 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,789.58	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0142 EA 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,614.79	18.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 28 13 00-0143 EA 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,009.80	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0144 EA 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,137.72	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0145 EA 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,369.32	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0146 EA 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,850.35	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0147 EA 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,150.62	20.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 28 13 00-0148 EA 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,062.72	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 28 13 00-0149 EA 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,263.05	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 28 13 00-0150 EA 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,946.22	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 28 13 00-0151 EA 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,861.14	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 28 13 00-0152 EA 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,513.90	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 28 13 00-0153 EA 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,470.67	22.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)

26 28 16 13 Enclosed Circuit Breakers (26 28 16)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 13-0001	Branch Circuit Breakers <small>(26 28 16 13)</small> Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 28 16 13-0002	Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small> Note: Includes connection of electrical wire.		
26 28 16 13-0003	EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 39.75		14.85
	For Bolt-On, Add 10.74		
	For Installation In New Panelboard, Deduct -8.25		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.90		
26 28 16 13-0004	EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 39.75		14.85
	For Bolt-On, Add 10.74		
	For Installation In New Panelboard, Deduct -8.25		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.90		
26 28 16 13-0005	EA 1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 56.82		18.56
	For Bolt-On, Add 14.32		
	For Installation In New Panelboard, Deduct -10.31		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 12.38		
26 28 16 13-0006	EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 83.59		18.56
	For Bolt-On, Add 17.67		
	For Installation In New Panelboard, Deduct -10.31		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 12.38		
26 28 16 13-0007	EA 1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity 114.20		18.56
	For Bolt-On, Add 21.49		
	For Installation In New Panelboard, Deduct -10.31		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 12.38		
26 28 16 13-0008	EA 1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity 131.65		18.56
	For Bolt-On, Add 23.68		
	For Installation In New Panelboard, Deduct -10.31		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 12.38		
26 28 16 13-0009	EA 1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity 66.73		18.56
	For Bolt-On, Add 15.56		
	For Installation In New Panelboard, Deduct -10.31		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 12.38		
26 28 16 13-0010	EA 2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 65.07		22.27
	For Bolt-On, Add 16.80		
	For Installation In New Panelboard, Deduct -12.38		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 14.85		
26 28 16 13-0011	EA 2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 65.07		22.27
	For Bolt-On, Add 16.80		
	For Installation In New Panelboard, Deduct -12.38		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 14.85		
26 28 16 13-0012	EA 2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 97.14		29.70
	For Bolt-On, Add 23.69		
	For Installation In New Panelboard, Deduct -16.50		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.80		
26 28 16 13-0013	EA 2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 157.78		37.13
	For Bolt-On, Add 34.16		
	For Installation In New Panelboard, Deduct -20.63		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 24.75		
26 28 16 13-0014	EA 2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 185.22		41.25
	For Bolt-On, Add 39.03		
	For Installation In New Panelboard, Deduct -22.69		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 27.23		
26 28 16 13-0015	EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 155.02		26.41
	For Bolt-On, Add 29.77		
	For Installation In New Panelboard, Deduct -14.85		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 17.82		
26 28 16 13-0016	EA 2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity 205.09		26.41
	For Bolt-On, Add 36.03		
	For Installation In New Panelboard, Deduct -14.85		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 17.82		
26 28 16 13-0017	EA 3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 120.50		29.70
	For Bolt-On, Add 26.61		
	For Installation In New Panelboard, Deduct -16.50		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.80		
26 28 16 13-0018	EA 3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity 120.50		29.70
	For Bolt-On, Add 26.61		
	For Installation In New Panelboard, Deduct -16.50		
	Note: Also for use with new interiors in panelboards.		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.80		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0019	EA		3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	157.48	37.13
			<i>For Bolt-On, Add</i>	34.12	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0020	EA		3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	235.21	44.55
			<i>For Bolt-On, Add</i>	46.73	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0021	EA		3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	298.83	51.98
			<i>For Bolt-On, Add</i>	57.57	
			<i>For Installation In New Panelboard, Deduct</i>	-28.88	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	
26 28 16 13-0022			Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	55.61	14.85
			<i>For Bolt-On, Add</i>	12.73	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	55.61	14.85
			<i>For Bolt-On, Add</i>	12.73	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	97.37	18.56
			<i>For Bolt-On, Add</i>	19.39	
			<i>For Installation In New Panelboard, Deduct</i>	-10.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	148.83	18.56
			<i>For Bolt-On, Add</i>	25.82	
			<i>For Installation In New Panelboard, Deduct</i>	-10.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	106.83	22.27
			<i>For Bolt-On, Add</i>	22.02	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	106.83	22.27
			<i>For Bolt-On, Add</i>	22.02	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	206.85	29.70
			<i>For Bolt-On, Add</i>	37.41	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	280.98	37.13
			<i>For Bolt-On, Add</i>	49.56	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	409.46	41.25
			<i>For Bolt-On, Add</i>	67.06	
			<i>For Installation In New Panelboard, Deduct</i>	-22.69	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.23	
26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	168.94	29.70
			<i>For Bolt-On, Add</i>	32.67	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	168.94	29.70
			<i>For Bolt-On, Add</i>	32.67	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	250.85	37.13
			<i>For Bolt-On, Add</i>	45.80	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	354.81	44.55
			<i>For Bolt-On, Add</i>	61.68	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0036	EA		3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	545.17	51.98
			<i>For Bolt-On, Add</i>	88.36	
			<i>For Installation In New Panelboard, Deduct</i>	-28.88	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	16	13-0037	EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	628.05	55.69
			<i>For Bolt-On, Add</i>	100.16	
			<i>For Installation In New Panelboard, Deduct</i>	-30.94	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 28	16	13-0038	EA 3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	674.63	59.40
			<i>For Bolt-On, Add</i>	107.43	
			<i>For Installation In New Panelboard, Deduct</i>	-33.00	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.60	
26 28	16	13-0039	EA 3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	796.52	63.11
			<i>For Bolt-On, Add</i>	124.11	
			<i>For Installation In New Panelboard, Deduct</i>	-35.07	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.08	
26 28	16	13-0040	Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
			<small>^{16 13-0001}</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28	16	13-0041	EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	66.03	14.85
			<i>For Bolt-On, Add</i>	14.03	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28	16	13-0042	EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	66.03	14.85
			<i>For Bolt-On, Add</i>	14.03	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28	16	13-0043	EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	107.66	18.56
			<i>For Bolt-On, Add</i>	20.68	
			<i>For Installation In New Panelboard, Deduct</i>	-10.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28	16	13-0044	EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	133.99	22.27
			<i>For Bolt-On, Add</i>	25.41	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28	16	13-0045	EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	133.99	22.27
			<i>For Bolt-On, Add</i>	25.41	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28	16	13-0046	EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	232.90	29.70
			<i>For Bolt-On, Add</i>	40.66	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28	16	13-0047	EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	588.07	37.13
			<i>For Bolt-On, Add</i>	87.95	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28	16	13-0048	EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	213.77	29.70
			<i>For Bolt-On, Add</i>	38.27	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28	16	13-0049	EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	213.77	29.70
			<i>For Bolt-On, Add</i>	38.27	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28	16	13-0050	EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	283.48	37.13
			<i>For Bolt-On, Add</i>	49.87	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28	16	13-0051	EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	727.65	44.55
			<i>For Bolt-On, Add</i>	108.28	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28	16	13-0052	Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <small>(26 28)</small>		
			<small>^{16 13-0001}</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28	16	13-0053	EA 15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	74.88	14.85
			<i>For Bolt-On, Add</i>	15.14	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28	16	13-0054	EA 35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	74.88	14.85
			<i>For Bolt-On, Add</i>	15.14	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	88.51	18.56
			<i>For Bolt-On, Add</i>	18.28	
			<i>For Installation In New Panelboard, Deduct</i>	-10.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	147.65	18.56
			<i>For Bolt-On, Add</i>	25.68	
			<i>For Installation In New Panelboard, Deduct</i>	-10.31	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	157.08	22.27
			<i>For Bolt-On, Add</i>	28.30	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	157.08	22.27
			<i>For Bolt-On, Add</i>	28.30	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	191.06	29.70
			<i>For Bolt-On, Add</i>	35.43	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	274.24	37.13
			<i>For Bolt-On, Add</i>	48.72	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0061	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	353.17	41.25
			<i>For Bolt-On, Add</i>	60.03	
			<i>For Installation In New Panelboard, Deduct</i>	-22.69	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.23	
26 28 16 13-0062	EA		250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	440.38	48.27
			<i>For Bolt-On, Add</i>	73.82	
			<i>For Installation In New Panelboard, Deduct</i>	-26.82	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
26 28 16 13-0063	EA		300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	475.89	55.69
			<i>For Bolt-On, Add</i>	81.14	
			<i>For Installation In New Panelboard, Deduct</i>	-30.94	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 28 16 13-0064	EA		15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	191.45	29.70
			<i>For Bolt-On, Add</i>	35.48	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0065	EA		35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	191.45	29.70
			<i>For Bolt-On, Add</i>	35.48	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0066	EA		70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	225.06	37.13
			<i>For Bolt-On, Add</i>	42.57	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	339.52	44.55
			<i>For Bolt-On, Add</i>	59.77	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	445.44	57.75
			<i>For Bolt-On, Add</i>	78.06	
			<i>For Installation In New Panelboard, Deduct</i>	-31.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.36	
26 28 16 13-0069	EA		250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	549.44	66.83
			<i>For Bolt-On, Add</i>	94.67	
			<i>For Installation In New Panelboard, Deduct</i>	-37.13	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.55	
26 28 16 13-0070	EA		300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	584.21	70.95
			<i>For Bolt-On, Add</i>	100.46	
			<i>For Installation In New Panelboard, Deduct</i>	-39.19	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.03	
26 28 16 13-0071			Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0072	EA		15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	162.85	22.27
			<i>For Bolt-On, Add</i>	29.02	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	162.85	22.27
		<i>For Bolt-On, Add</i>	29.02	
		<i>For Installation In New Panelboard, Deduct</i>	-12.38	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	246.83	29.70
		<i>For Bolt-On, Add</i>	42.40	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	398.86	37.13
		<i>For Bolt-On, Add</i>	64.30	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	619.15	46.20
		<i>For Bolt-On, Add</i>	95.44	
		<i>For Installation In New Panelboard, Deduct</i>	-25.78	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.94	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	701.02	48.27
		<i>For Bolt-On, Add</i>	106.40	
		<i>For Installation In New Panelboard, Deduct</i>	-26.82	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	766.53	55.69
		<i>For Bolt-On, Add</i>	117.47	
		<i>For Installation In New Panelboard, Deduct</i>	-30.94	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	233.60	29.70
		<i>For Bolt-On, Add</i>	40.75	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	233.60	29.70
		<i>For Bolt-On, Add</i>	40.75	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	294.21	37.13
		<i>For Bolt-On, Add</i>	51.22	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	495.87	44.55
		<i>For Bolt-On, Add</i>	79.31	
		<i>For Installation In New Panelboard, Deduct</i>	-24.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	723.30	57.75
		<i>For Bolt-On, Add</i>	112.79	
		<i>For Installation In New Panelboard, Deduct</i>	-31.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.36	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	854.15	66.83
		<i>For Bolt-On, Add</i>	132.76	
		<i>For Installation In New Panelboard, Deduct</i>	-37.13	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.55	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	923.80	70.95
		<i>For Bolt-On, Add</i>	142.91	
		<i>For Installation In New Panelboard, Deduct</i>	-39.19	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.03	
26 28 16 13-0086		Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On ^(26 28 16 13-0001)		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	168.58	22.27
		<i>For Bolt-On, Add</i>	29.74	
		<i>For Installation In New Panelboard, Deduct</i>	-12.38	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	168.58	22.27
		<i>For Bolt-On, Add</i>	29.74	
		<i>For Installation In New Panelboard, Deduct</i>	-12.38	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	299.76	29.70
		<i>For Bolt-On, Add</i>	49.02	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	545.61	37.13
		<i>For Bolt-On, Add</i>	82.64	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0091	EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	861.73	46.20
	<i>For Bolt-On, Add</i>	125.76	
	<i>For Installation In New Panelboard, Deduct</i>	-25.78	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.94	
26 28 16 13-0092	EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	980.01	48.27
	<i>For Bolt-On, Add</i>	141.27	
	<i>For Installation In New Panelboard, Deduct</i>	-26.82	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
26 28 16 13-0093	EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,067.60	55.69
	<i>For Bolt-On, Add</i>	155.11	
	<i>For Installation In New Panelboard, Deduct</i>	-30.94	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.13	
26 28 16 13-0094	EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	273.29	29.70
	<i>For Bolt-On, Add</i>	45.71	
	<i>For Installation In New Panelboard, Deduct</i>	-16.50	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0095	EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	273.29	29.70
	<i>For Bolt-On, Add</i>	45.71	
	<i>For Installation In New Panelboard, Deduct</i>	-16.50	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0096	EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	363.02	37.13
	<i>For Bolt-On, Add</i>	59.82	
	<i>For Installation In New Panelboard, Deduct</i>	-20.63	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0097	EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	663.54	44.55
	<i>For Bolt-On, Add</i>	100.27	
	<i>For Installation In New Panelboard, Deduct</i>	-24.75	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0098	EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	838.57	57.75
	<i>For Bolt-On, Add</i>	127.20	
	<i>For Installation In New Panelboard, Deduct</i>	-31.97	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.36	
26 28 16 13-0099	EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,333.17	66.83
	<i>For Bolt-On, Add</i>	192.63	
	<i>For Installation In New Panelboard, Deduct</i>	-37.13	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.55	
26 28 16 13-0100	EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,419.76	70.95
	<i>For Bolt-On, Add</i>	204.90	
	<i>For Installation In New Panelboard, Deduct</i>	-39.19	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.03	
26 28 16 13-0101	Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
	<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0102	EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	89.33	14.85
	<i>For Bolt-On, Add</i>	16.94	
	<i>For Installation In New Panelboard, Deduct</i>	-8.25	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0103	EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	89.33	14.85
	<i>For Bolt-On, Add</i>	16.94	
	<i>For Installation In New Panelboard, Deduct</i>	-8.25	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0104	EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	153.21	18.56
	<i>For Bolt-On, Add</i>	26.37	
	<i>For Installation In New Panelboard, Deduct</i>	-10.31	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0105	EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	192.06	22.27
	<i>For Bolt-On, Add</i>	32.67	
	<i>For Installation In New Panelboard, Deduct</i>	-12.38	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0106	EA 2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	192.06	22.27
	<i>For Bolt-On, Add</i>	32.67	
	<i>For Installation In New Panelboard, Deduct</i>	-12.38	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0107	EA 2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	348.34	29.70
	<i>For Bolt-On, Add</i>	55.09	
	<i>For Installation In New Panelboard, Deduct</i>	-16.50	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0108	EA 2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	642.64	37.13
	<i>For Bolt-On, Add</i>	94.77	
	<i>For Installation In New Panelboard, Deduct</i>	-20.63	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,244.98	46.20
		<i>For Bolt-On, Add</i>	173.67	
		<i>For Installation In New Panelboard, Deduct</i>	-25.78	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.94	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	315.65	29.70
		<i>For Bolt-On, Add</i>	51.01	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	315.65	29.70
		<i>For Bolt-On, Add</i>	51.01	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	421.87	37.13
		<i>For Bolt-On, Add</i>	67.17	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	791.45	44.55
		<i>For Bolt-On, Add</i>	116.26	
		<i>For Installation In New Panelboard, Deduct</i>	-24.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,547.90	57.75
		<i>For Bolt-On, Add</i>	215.87	
		<i>For Installation In New Panelboard, Deduct</i>	-31.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.36	
26 28 16 13-0115		Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	130.03	14.85
		<i>For Bolt-On, Add</i>	22.03	
		<i>For Installation In New Panelboard, Deduct</i>	-8.25	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	130.03	14.85
		<i>For Bolt-On, Add</i>	22.03	
		<i>For Installation In New Panelboard, Deduct</i>	-8.25	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	196.50	18.56
		<i>For Bolt-On, Add</i>	31.78	
		<i>For Installation In New Panelboard, Deduct</i>	-10.31	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	239.15	22.27
		<i>For Bolt-On, Add</i>	38.56	
		<i>For Installation In New Panelboard, Deduct</i>	-12.38	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	239.15	22.27
		<i>For Bolt-On, Add</i>	38.56	
		<i>For Installation In New Panelboard, Deduct</i>	-12.38	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	449.71	29.70
		<i>For Bolt-On, Add</i>	67.76	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	814.65	37.13
		<i>For Bolt-On, Add</i>	116.27	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,621.19	41.25
		<i>For Bolt-On, Add</i>	218.53	
		<i>For Installation In New Panelboard, Deduct</i>	-22.69	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.23	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	410.02	29.70
		<i>For Bolt-On, Add</i>	62.80	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	410.02	29.70
		<i>For Bolt-On, Add</i>	62.80	
		<i>For Installation In New Panelboard, Deduct</i>	-16.50	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	567.67	37.13
		<i>For Bolt-On, Add</i>	85.40	
		<i>For Installation In New Panelboard, Deduct</i>	-20.63	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0127	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	919.35	44.55
			<i>For Bolt-On, Add</i>	132.24	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	
26 28 16 13-0128	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,046.45	57.75
			<i>For Bolt-On, Add</i>	278.19	
			<i>For Installation In New Panelboard, Deduct</i>	-31.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.36	
26 28 16 13-0129			Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
			^{16 13-0001} <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0130	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	59.77	14.85
			<i>For Bolt-On, Add</i>	13.25	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0131	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	124.95	22.27
			<i>For Bolt-On, Add</i>	24.28	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0132	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	197.43	29.70
			<i>For Bolt-On, Add</i>	36.23	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0133	EA		15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	123.06	14.85
			<i>For Bolt-On, Add</i>	21.16	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0134	EA		35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	123.06	14.85
			<i>For Bolt-On, Add</i>	21.16	
			<i>For Installation In New Panelboard, Deduct</i>	-8.25	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 28 16 13-0135	EA		70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	245.07	29.70
			<i>For Bolt-On, Add</i>	42.18	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0136	EA		15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	277.94	22.27
			<i>For Bolt-On, Add</i>	43.41	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0137	EA		35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	277.94	22.27
			<i>For Bolt-On, Add</i>	43.41	
			<i>For Installation In New Panelboard, Deduct</i>	-12.38	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 28 16 13-0138	EA		70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	537.14	29.70
			<i>For Bolt-On, Add</i>	78.69	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0139	EA		110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	911.68	37.13
			<i>For Bolt-On, Add</i>	128.40	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0140	EA		150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,006.80	46.20
			<i>For Bolt-On, Add</i>	268.90	
			<i>For Installation In New Panelboard, Deduct</i>	-25.78	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.94	
26 28 16 13-0141	EA		15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	465.51	29.70
			<i>For Bolt-On, Add</i>	69.74	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0142	EA		35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	465.51	29.70
			<i>For Bolt-On, Add</i>	69.74	
			<i>For Installation In New Panelboard, Deduct</i>	-16.50	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 28 16 13-0143	EA		70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	648.22	37.13
			<i>For Bolt-On, Add</i>	95.47	
			<i>For Installation In New Panelboard, Deduct</i>	-20.63	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 28 16 13-0144	EA		110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	989.92	44.55
			<i>For Bolt-On, Add</i>	141.07	
			<i>For Installation In New Panelboard, Deduct</i>	-24.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.70	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0145	EA			150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,495.40 334.30 -31.97 38.36	57.75
26 28 16 16 Enclosed Switches (26 28 16)						
26 28 16 16-0001				Motor And Circuit Disconnects (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002				NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003				Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.		
26 28 16 16-0004				240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005	EA			30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	340.74	82.51
26 28 16 16-0006	EA			60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	550.31	99.41
26 28 16 16-0007	EA			100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	766.34	116.33
26 28 16 16-0008	EA			200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,328.23	183.15
26 28 16 16-0009	EA			400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,876.04	284.63
26 28 16 16-0010	EA			600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,829.37	420.77
26 28 16 16-0011	EA			800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,626.79	495.02
26 28 16 16-0012	EA			1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,939.73	577.52
26 28 16 16-0013				600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014	EA			30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	535.13	91.66
26 28 16 16-0015	EA			60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	645.74	110.47
26 28 16 16-0016	EA			100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,049.67	129.12
26 28 16 16-0017	EA			200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,545.63	203.78
26 28 16 16-0018	EA			400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,435.33	316.15
26 28 16 16-0019	EA			600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,367.91	467.30
26 28 16 16-0020	EA			800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,006.98	549.72
26 28 16 16-0021	EA			1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,992.60	641.70
26 28 16 16-0022				240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023	EA			30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	478.70	129.53
26 28 16 16-0024	EA			60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	714.80	172.02
26 28 16 16-0025	EA			100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	982.17	190.99
26 28 16 16-0026	EA			200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,555.21	299.07
26 28 16 16-0027	EA			400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,293.74	490.89
26 28 16 16-0028	EA			600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,411.48	687.66
26 28 16 16-0029				600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0030	EA			30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	638.26	143.14
26 28 16 16-0031	EA			60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	806.86	190.99
26 28 16 16-0032	EA			100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,221.23	214.92
26 28 16 16-0033	EA			200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,792.80	327.53
26 28 16 16-0034	EA			400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,090.29	528.85

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,624.50	763.98
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,690.85	907.53
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,728.77	1,031.29
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	461.82	129.53
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	692.99	172.02
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	942.49	190.99
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,609.78	299.07
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,601.28	490.89
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,874.15	687.66
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,854.70	866.28
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,188.23	990.04
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	700.18	143.14
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	882.96	190.99
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,332.50	214.92
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,959.37	327.53
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,445.68	528.85
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,252.15	763.98
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,732.91	907.53
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,854.40	1,031.29
26 28 16 16-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0006)</small>		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	330.06	119.38
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	519.14	166.08
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	728.06	190.99
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,138.58	305.59
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,332.98	509.29
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,860.63	694.51
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,569.83	825.03
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,396.95	962.89
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0006)</small>		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	364.61	131.76
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	588.54	186.38
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	824.11	212.20
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,278.34	332.16
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,510.41	545.67
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,270.46	763.89
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,206.83	825.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,269.29	962.89
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>				
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	379.90	107.26
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	588.47	149.33
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	807.80	172.02
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,266.81	275.14
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,579.47	458.31
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,211.53	624.96
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,403.20	742.53
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,694.39	866.28
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>				
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	413.85	118.39
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	645.60	167.90
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	879.13	190.99
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,365.84	299.07
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,763.71	490.89
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,548.08	687.66
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,824.86	742.53
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>				
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	445.28	118.55
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	699.18	167.72
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	966.28	190.99
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,500.08	298.91
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,951.48	491.05
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,103.78	687.49
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,459.01	742.53
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,115.70	866.28
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>				
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	681.71	107.42
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	814.82	149.50
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,274.66	171.86
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,905.33	274.98
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>				
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	737.30	118.39
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	888.15	167.90
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,379.36	190.99
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,049.98	299.07

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	824.76	118.55
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	984.62	167.72
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,552.84	190.99
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,302.69	298.91
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	230.01	71.77
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	318.58	86.38
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	504.22	100.99
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	945.58	159.32
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,307.57	247.09
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,358.26	365.74
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	311.77	112.79
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	444.43	149.50
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	634.38	166.08
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,147.90	259.96
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,669.71	427.04
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,826.99	597.81
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	352.58	112.79
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	510.23	149.50
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	694.25	166.08
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,298.73	259.96
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,927.52	427.04
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,990.42	597.81
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	313.48	99.82
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	425.27	114.76
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	994.17	183.41
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,171.29	305.26
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,808.74	415.98
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	296.54	93.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0147 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	405.44	129.94
26 28 16 16-0148 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	638.09	149.50
26 28 16 16-0149 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,106.30	239.18
26 28 16 16-0150 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,358.84	398.65
26 28 16 16-0151 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,065.40	543.36
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	511.15	96.94
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	829.93	116.33
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,041.75	135.31
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,521.24	206.26
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,417.15	330.01
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,050.21	440.15
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,144.16	495.02
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,151.76	577.52
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	896.38	129.20
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,065.39	158.40
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,531.20	181.92
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,150.02	272.84
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,744.06	446.42
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,816.04	613.90
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,048.50	706.89
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,366.64	795.74
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	639.15	152.63
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,032.39	202.14
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,254.01	221.93
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,852.81	343.63
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,082.44	572.98
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,895.00	763.98
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,001.75	180.93
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,192.59	221.77
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,615.43	254.61
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,341.34	381.99

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,010.04	625.04
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,169.35	859.43
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,080.64	990.04
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,689.62	1,113.79
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16-0153)</small>		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	708.34	152.63
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,034.39	202.14
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,351.31	221.93
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,917.70	343.63
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,141.97	572.98
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,549.78	763.98
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,782.89	866.28
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,973.95	990.04
26 28 16 16-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16-0153)</small>		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,041.45	181.10
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,237.23	221.93
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,714.64	254.53
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,405.83	381.99
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,243.18	624.96
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,437.21	859.27
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,924.10	990.04
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,801.41	1,113.79
26 28 16 16-0206		Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	488.48	84.90
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	807.08	117.56
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,070.05	134.81
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,406.18	218.30
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,185.66	364.17
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,889.92	485.53
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,567.78	577.77
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,677.00	660.27
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	550.88	93.55
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	915.63	130.94
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,210.24	147.85
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,566.54	229.19
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,629.56	381.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0222	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,365.90	509.29
26 28 16 16-0223	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,208.72	605.25
26 28 16 16-0224	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,522.23	687.49
26 28 16 16-0225			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	573.36	127.30
26 28 16 16-0227	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	924.60	176.31
26 28 16 16-0228	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,204.85	202.22
26 28 16 16-0229	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,624.44	327.45
26 28 16 16-0230	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,599.65	546.17
26 28 16 16-0231	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,473.05	728.08
26 28 16 16-0232	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,254.55	866.28
26 28 16 16-0233	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,647.23	990.04
26 28 16 16-0234			480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	622.10	140.26
26 28 16 16-0236	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,005.77	196.44
26 28 16 16-0237	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,301.16	221.77
26 28 16 16-0238	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,726.43	343.79
26 28 16 16-0239	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,832.13	572.90
26 28 16 16-0240	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,902.58	763.89
26 28 16 16-0241	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,945.60	907.53
26 28 16 16-0242	EA		1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,561.76	1,031.29
26 28 16 16-0243			600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	306.44	140.26
26 28 16 16-0245	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,046.60	196.44
26 28 16 16-0246	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,358.09	221.77
26 28 16 16-0247	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,795.71	343.79
26 28 16 16-0248	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,011.51	572.90
26 28 16 16-0249	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,875.17	763.89
26 28 16 16-0250	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,930.25	907.53
26 28 16 16-0251	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,540.87	1,031.29
26 28 16 16-0252			General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
			Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253			240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	301.39	84.31
26 28 16 16-0255	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	433.32	101.15
26 28 16 16-0256	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	576.77	117.65
26 28 16 16-0257	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,210.81	179.36
26 28 16 16-0258	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,030.15	286.94
26 28 16 16-0259	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,427.95	382.81

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI		UOM		UNIT COST	UNIT COST
26 28 16 16-0260			240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0260)		
26 28 16 16-0261	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	399.00	132.91
26 28 16 16-0262	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	583.07	175.81
26 28 16 16-0263	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	726.93	192.90
26 28 16 16-0264	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,450.82	298.91
26 28 16 16-0265	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,454.59	498.15
26 28 16 16-0266	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,998.55	664.48
26 28 16 16-0267			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0267)		
26 28 16 16-0268	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	456.21	132.83
26 28 16 16-0269	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	640.37	175.81
26 28 16 16-0270	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	911.55	192.90
26 28 16 16-0271	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,570.08	298.91
26 28 16 16-0272	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,531.20	498.24
26 28 16 16-0273	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,596.94	664.48
26 28 16 16-0274	EA		800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,516.20	752.75
26 28 16 16-0275			General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	272.99	73.84
26 28 16 16-0278	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	455.15	102.22
26 28 16 16-0279	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	474.00	117.24
26 28 16 16-0280	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,232.19	189.76
26 28 16 16-0281	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,090.33	316.65
26 28 16 16-0282	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,509.36	422.17
26 28 16 16-0283			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	429.51	110.72
26 28 16 16-0285	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	621.03	153.29
26 28 16 16-0286	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	931.25	175.81
26 28 16 16-0287	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,608.56	284.71
26 28 16 16-0288			NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289			Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288)		
			Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,436.54	82.51
26 28 16 16-0292	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,725.52	99.41
26 28 16 16-0293	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,559.54	116.17
26 28 16 16-0294	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,913.01	183.33
26 28 16 16-0295	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,028.07	284.47

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 16-0296	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,409.30	420.60
	26 28 16 16-0297			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
	26 28 16 16-0298	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,828.92	91.66
	26 28 16 16-0299	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,030.00	110.39
	26 28 16 16-0300	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,847.02	129.04
	26 28 16 16-0301	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,427.23	203.78
	26 28 16 16-0302	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,404.74	316.32
	26 28 16 16-0303	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,912.70	467.30
	26 28 16 16-0304			240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
	26 28 16 16-0305	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,597.50	129.69
	26 28 16 16-0306	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,998.07	171.86
	26 28 16 16-0307	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,873.77	190.99
	26 28 16 16-0308	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,494.24	298.91
	26 28 16 16-0309	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,754.23	491.05
	26 28 16 16-0310	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,353.20	687.49
	26 28 16 16-0311			600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
	26 28 16 16-0312	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,937.18	143.23
	26 28 16 16-0313	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,196.76	190.99
	26 28 16 16-0314	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,029.77	214.84
	26 28 16 16-0315	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,690.05	327.37
	26 28 16 16-0316	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,096.53	528.85
	26 28 16 16-0317	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,784.75	763.89
	26 28 16 16-0318			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
	26 28 16 16-0319	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,921.04	129.69
	26 28 16 16-0320	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,402.54	171.86
	26 28 16 16-0321	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,683.12	190.99
	26 28 16 16-0322	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,600.98	298.91
	26 28 16 16-0323	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,932.44	491.05
	26 28 16 16-0324	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,346.58	687.49
	26 28 16 16-0325			600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>		
	26 28 16 16-0326	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,319.49	143.23
	26 28 16 16-0327	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,630.29	190.99
	26 28 16 16-0328	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,855.90	214.84
	26 28 16 16-0329	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,806.04	327.37
	26 28 16 16-0330	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,304.12	528.85
	26 28 16 16-0331	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,818.94	763.89

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0332		Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>			
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,376.84		82.51
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,669.47		114.76
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,180.05		132.01
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,399.83		210.87
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,024.77		351.13
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,504.35		478.35
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,567.03		91.01
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,902.92		128.71
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,625.95		146.69
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,004.78		229.19
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,122.99		377.20
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,110.60		528.01
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,426.68		107.42
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,715.90		149.50
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,783.65		171.86
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,466.04		274.98
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,894.74		458.39
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,145.05		625.04
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,622.03		118.55
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,980.96		167.72
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,714.56		190.99
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,144.18		298.91
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,318.03		491.05
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,826.49		687.49
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,979.81		107.42
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,364.69		149.50
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,394.83		171.86
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,224.03		274.98
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0332)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,254.18	118.55
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,696.26	167.72
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,154.60	190.99
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,368.14	298.91
26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,619.07	143.14
26 28 16 16-0374 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,973.01	190.99
26 28 16 16-0375 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,401.34	214.92
26 28 16 16-0376 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,009.19	327.53
26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,459.54	118.39
26 28 16 16-0379 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,805.38	167.90
26 28 16 16-0380 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,111.50	190.99
26 28 16 16-0381 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,930.44	299.07
26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,004.02	143.14
26 28 16 16-0385 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,403.76	190.99
26 28 16 16-0386 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,215.95	214.92
26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,823.77	118.39
26 28 16 16-0389 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,213.23	167.90
26 28 16 16-0390 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,893.39	190.99
26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small> <small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small> <small>Note: With fuses and neutral bar.</small>		
26 28 16 16-0393 EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,352.70	165.01
26 28 16 16-0394 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,652.14	196.44
26 28 16 16-0395 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,939.39	221.77
26 28 16 16-0396 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	6,294.27	343.79
26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,796.81	196.44
26 28 16 16-0399 EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,106.40	221.77
26 28 16 16-0400 EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,901.07	343.79
26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small> <small>Note: With fuses and neutral bar.</small>		

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	500.83		82.51
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	657.76		99.41
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	906.26		116.33
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,534.22		183.15
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,322.02		284.63
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,039.70		420.77
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	803.40		91.58
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	821.23		110.55
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,196.38		129.12
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,870.94		203.78
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,139.71		315.99
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,260.58		467.38
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	689.28		129.53
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	958.33		172.02
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,327.85		190.99
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,966.87		299.07
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,903.86		490.89
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,312.69		687.66
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	931.34		143.14
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,041.70		190.99
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,565.64		214.92
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,271.89		327.53
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,832.60		528.85
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,196.64		763.98
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	740.61		129.53
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	993.59		172.02
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,438.53		190.99
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,105.83		299.07
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,275.91		490.89
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,564.03		687.66
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	990.84		143.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0440 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,200.43	190.99
26 28 16 16-0441 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,674.78	214.92
26 28 16 16-0442 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,480.22	327.53
26 28 16 16-0443 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,169.90	528.85
26 28 16 16-0444 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,474.42	763.98
26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	525.81	119.22
26 28 16 16-0448 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	694.80	166.24
26 28 16 16-0449 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	930.62	190.99
26 28 16 16-0450 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,316.79	305.67
26 28 16 16-0451 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,948.16	509.45
26 28 16 16-0452 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,704.48	694.68
26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	586.51	131.59
26 28 16 16-0455 EA 60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	771.71	186.46
26 28 16 16-0456 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,037.42	212.03
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,430.68	332.08
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,119.15	545.75
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,198.05	763.98
26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	676.61	107.26
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	886.21	149.33
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,193.33	172.02
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,688.74	275.14
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,616.68	458.31
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,755.60	624.96
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	655.75	118.39
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	955.44	167.90
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,274.84	190.99
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,654.42	299.07
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,616.17	490.89
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,881.13	687.66
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	823.46	107.26
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	969.72	149.33
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,535.44	172.02

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 16-0478	EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,433.59	275.14
26 28 16 16-0479	EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,474.02	350.64
26 28 16 16-0480	600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481	EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	852.18	118.39
26 28 16 16-0482	EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,054.65	167.90
26 28 16 16-0483	EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,636.95	190.99
26 28 16 16-0484	EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,492.72	299.07
26 28 16 16-0485	EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,716.18	462.02
26 28 16 16-0486	Double Throw Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0487	NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0488	240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489	EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	627.51	106.01
26 28 16 16-0490	EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	935.28	138.60
26 28 16 16-0491	EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,317.96	181.10
26 28 16 16-0492	EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,760.22	235.54
26 28 16 16-0493	EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,371.72	294.54
26 28 16 16-0494	EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,982.59	472.33
26 28 16 16-0495	240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0496	EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	785.15	148.50
26 28 16 16-0497	EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,102.09	193.88
26 28 16 16-0498	EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,676.55	253.69
26 28 16 16-0499	EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,481.34	330.01
26 28 16 16-0500	EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,021.22	412.52
26 28 16 16-0501	EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,363.12	660.02
26 28 16 16-0502	240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0503	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,048.59	185.63
26 28 16 16-0504	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,538.20	242.56
26 28 16 16-0505	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,781.58	316.81
26 28 16 16-0506	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,820.31	411.69
26 28 16 16-0507	EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,842.78	515.64
26 28 16 16-0508	EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,843.27	826.26
26 28 16 16-0509	600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0510	EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,089.97	138.60
26 28 16 16-0511	EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,651.56	181.10
26 28 16 16-0512	EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,448.77	235.54
26 28 16 16-0513	EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,894.05	294.54
26 28 16 16-0514	EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,695.02	472.33
26 28 16 16-0515	600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0516	EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,200.38	193.88
26 28 16 16-0517	EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,796.31	253.69
26 28 16 16-0518	EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,636.92	330.01
26 28 16 16-0519	EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,129.83	412.52
26 28 16 16-0520	EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,071.70	660.02
26 28 16 16-0521	600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>		
26 28 16 16-0522	EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,634.93	242.56
26 28 16 16-0523	EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,921.85	316.81
26 28 16 16-0524	EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,109.32	411.69
26 28 16 16-0525	EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,459.55	515.64
26 28 16 16-0526	EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,534.65	826.26
26 28 16 16-0527	NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0528		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0529	EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,668.69	181.10
	26 28 16 16-0530	EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,912.98	235.54
	26 28 16 16-0531	EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	13,043.86	294.54
	26 28 16 16-0532	EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	22,482.50	472.33
26 28 16 16-0533		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0534	EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,179.50	253.28
	26 28 16 16-0535	EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,556.85	329.60
	26 28 16 16-0536	EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	13,397.00	412.52
	26 28 16 16-0537	EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	14,457.60	661.26
26 28 16 16-0538		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0539	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,128.57	185.71
	26 28 16 16-0540	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,633.69	242.40
	26 28 16 16-0541	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,704.53	316.73
	26 28 16 16-0542	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,378.68	411.86
	26 28 16 16-0543	EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,221.19	515.64
	26 28 16 16-0544	EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,650.15	826.35
26 28 16 16-0545		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0546	EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,422.43	138.60
	26 28 16 16-0547	EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,179.28	181.10
	26 28 16 16-0548	EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,012.06	235.54
	26 28 16 16-0549	EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,795.51	294.54
	26 28 16 16-0550	EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,379.79	472.33
26 28 16 16-0551		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0552	EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,593.68	193.88
	26 28 16 16-0553	EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,419.88	253.28
	26 28 16 16-0554	EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,386.54	329.60
	26 28 16 16-0555	EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,410.61	412.52
	26 28 16 16-0556	EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,252.45	661.26
26 28 16 16-0557		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
	26 28 16 16-0558	EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,656.12	242.40
	26 28 16 16-0559	EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,714.82	316.73
	26 28 16 16-0560	EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,521.51	411.86
	26 28 16 16-0561	EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,204.33	515.64
	26 28 16 16-0562	EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	10,743.10	826.35
26 28 16 16-0563		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0564		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
	26 28 16 16-0565	EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,723.80	106.09
	26 28 16 16-0566	EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,943.90	138.52
	26 28 16 16-0567	EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,187.96	181.01
	26 28 16 16-0568	EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,014.18	235.38
	26 28 16 16-0569	EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,701.30	294.62
	26 28 16 16-0570	EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,341.44	472.16
26 28 16 16-0571		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
	26 28 16 16-0572	EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,968.16	148.50
	26 28 16 16-0573	EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,319.34	193.88
	26 28 16 16-0574	EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,741.25	253.28
	26 28 16 16-0575	EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,833.29	329.60
	26 28 16 16-0576	EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,076.65	412.52
	26 28 16 16-0577	EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,295.70	661.26
26 28 16 16-0578		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
	26 28 16 16-0579	EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,957.98	185.71
	26 28 16 16-0580	EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,448.87	242.40
	26 28 16 16-0581	EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,735.96	316.73
	26 28 16 16-0582	EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,441.77	411.86

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

				TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 28 16 16-0583	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,043.43		515.64
26 28 16 16-0584	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	14,875.69		826.35
26 28 16 16-0585		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)			
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,585.64		138.52
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,970.04		181.01
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,174.30		235.38
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,488.44		294.62
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	10,018.00		472.16
26 28 16 16-0591		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)			
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,817.93		193.88
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,970.06		253.28
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,609.77		329.60
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,087.08		412.52
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	10,871.22		661.26
26 28 16 16-0597		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0563)			
26 28 16 16-0598	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,485.43		242.40
26 28 16 16-0599	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,005.65		316.73
26 28 16 16-0600	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,600.73		411.86
26 28 16 16-0601	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,385.58		515.64
26 28 16 16-0602	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	15,329.21		826.35
26 28 16 16-0603		Removal And Reinstallation Of Disconnect Switches (26 28 16 16-0001) Note: Includes storage and cleaning.			
26 28 16 16-0604	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	412.52		
26 28 16 16-0605	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	536.29		
26 28 16 16-0606	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	598.19		
26 28 16 16-0607	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	701.32		
26 28 16 16-0608		Bolted Contact Switches (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.			
26 28 16 16-0609		Electrical Trip, Bolted Contact Switches (26 28 16 16-0608)			
26 28 16 16-0610		Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0609)			
26 28 16 16-0611	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	6,932.75		825.03
26 28 16 16-0612	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	7,489.41		990.04
26 28 16 16-0613	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	8,137.60		1,155.04
26 28 16 16-0614	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	8,576.58		1,320.05
26 28 16 16-0615	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	9,686.80		1,485.05
26 28 16 16-0616	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	12,183.06		1,650.06
26 28 16 16-0617	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	16,460.76		1,980.07
26 28 16 16-0618		Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0609)			
26 28 16 16-0619	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	7,355.54		825.03
26 28 16 16-0620	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	7,995.01		990.04
26 28 16 16-0621	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	8,638.85		1,155.04
26 28 16 16-0622	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	9,295.76		1,320.05
26 28 16 16-0623	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	10,462.64		1,485.05
26 28 16 16-0624	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	13,638.85		1,650.06
26 28 16 16-0625	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	17,977.57		1,980.07
26 28 16 16-0626		Manually Operated, Bolted Contact Switches (26 28 16 16-0608)			
26 28 16 16-0627		Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0626)			
26 28 16 16-0628	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	5,032.38		825.03
26 28 16 16-0629	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	5,611.70		990.04
26 28 16 16-0630	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	6,226.77		1,155.04
26 28 16 16-0631	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	6,836.60		1,320.05
26 28 16 16-0632	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	7,490.04		1,485.05
26 28 16 16-0633	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	9,986.30		1,650.06
26 28 16 16-0634	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	14,211.70		1,980.07
26 28 16 16-0635		Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0626)			
26 28 16 16-0636	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	5,312.20		825.03
26 28 16 16-0637	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	6,034.49		990.04
26 28 16 16-0638	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	6,636.48		1,155.04
26 28 16 16-0639	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	7,377.95		1,320.05
26 28 16 16-0640	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	8,169.99		1,485.05
26 28 16 16-0641	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	11,333.12		1,650.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16	16-0642	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	15,623.90	1,980.07
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26 29 Low-Voltage Controllers (26 29)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	188.82	41.35
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	247.68	53.75
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	218.43	41.35
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	277.29	53.75
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.96	
		For Oversized Enclosure, Add	29.61	
		For Pilot Light, Add	43.43	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	201.65	41.35
		For Oversized Enclosure, Add	29.61	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	264.46	53.75
		For Oversized Enclosure, Add	29.61	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	436.29	49.62
		For Pilot Light, Add	113.50	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	498.12	62.03
		For Pilot Light, Add	113.50	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	465.90	49.62
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	524.77	62.03

26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	145.56	41.35
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	249.42	53.75
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	165.25	45.49
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	270.06	57.89
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	173.18	41.35
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	277.99	53.75
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	14.28	
		For Pilot Light, Add	68.57	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	398.27	49.62
		For Pilot Light, Add	108.57	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	491.65	62.03
		For Pilot Light, Add	108.57	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	418.93	53.75
		For Pilot Light, Add	108.57	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0023	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	509.45	66.16
			<i>For Pilot Light, Add</i>	108.57	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	424.94	49.62
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	525.93	62.03
26 29 13 13-0026	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	107.41	28.94
			<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0027	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	211.27	41.35
			<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0028	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	127.11	33.08
			<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0029	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	230.96	45.49
			<i>For Pilot Light, Add</i>	68.57	
26 29 13 13-0030			Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	422.18	74.43
			<i>For Pilot Light, Add</i>	110.47	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	618.46	99.24
			<i>For Pilot Light, Add</i>	110.47	
26 29 13 13-0033			Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	422.18	74.43
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	618.46	99.24
26 29 13 13-0036			Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	402.25	49.62
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	402.25	49.62
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	868.84	57.89
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	868.84	57.89
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,149.14	57.89
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	516.50	57.89
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	347.83	37.22
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	481.59	53.75
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	481.59	53.75
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,045.88	62.03
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,045.88	62.03
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,347.89	62.03
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	595.83	62.03
26 29 13 13-0050	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	427.17	41.35
26 29 13 13-0051	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	642.83	57.89
26 29 13 13-0052	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	642.83	57.89
26 29 13 13-0053	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,249.58	66.16
26 29 13 13-0054	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,249.58	66.16
26 29 13 13-0055	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,538.76	66.16
26 29 13 13-0056	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	760.05	66.16
26 29 13 13-0057	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	591.37	45.49
26 29 13 13-0058	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	497.64	62.03
26 29 13 13-0059	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	497.64	62.03
26 29 13 13-0060	EA		NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	964.23	70.30
26 29 13 13-0061	EA		NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	964.23	70.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0062	EA		NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,252.42	70.30
26 29 13 13-0063	EA		Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	612.87	70.30
26 29 13 13-0064	EA		Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	446.18	49.62
26 29 13 13-0065	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	576.98	66.16
26 29 13 13-0066	EA		NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	576.98	66.16
26 29 13 13-0067	EA		NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,141.27	74.43
26 29 13 13-0068	EA		NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,141.27	74.43
26 29 13 13-0069	EA		NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,450.19	74.43
26 29 13 13-0070	EA		Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	691.22	74.43
26 29 13 13-0071	EA		Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	522.56	53.75
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0073	EA		NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,208.52	86.84
26 29 13 13-0074	EA		NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,208.52	86.84
26 29 13 13-0075	EA		Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,075.01	62.03
26 29 13 13-0076	EA		NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,435.28	95.11
26 29 13 13-0077	EA		Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,301.77	70.30
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0079	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,208.52	86.84
26 29 13 13-0080	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,075.01	62.03
26 29 13 13-0081	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,435.28	95.11
26 29 13 13-0082	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,301.77	70.30
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)					
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)					
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)					
26 29 13 13-0086	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	448.66	82.71
			<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0087	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	506.66	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0088	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	490.11	82.71
			<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0089	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	549.10	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0090	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	607.08	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	768.24	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	972.81	148.86
			<i>For Factory Installed Accessory, Deduct</i>	-297.73	
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	575.75	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	633.73	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	693.69	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	880.64	144.73
			<i>For Factory Installed Accessory, Deduct</i>	-289.45	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,084.22	169.54
			<i>For Factory Installed Accessory, Deduct</i>	-339.07	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	1,014.69	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	1,118.60	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,454.94	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,541.02	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,737.21	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	2,212.73	206.75
			<i>For Factory Installed Accessory, Deduct</i>	-413.51	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	3,195.53	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	3,534.26	206.75
			<i>For Factory Installed Accessory, Deduct</i>	-413.51	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	3,870.61	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	5,273.85	289.45
			<i>For Factory Installed Accessory, Deduct</i>	-578.91	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	7,258.83	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	8,015.41	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	21,066.09	496.21
			<i>For Factory Installed Accessory, Deduct</i>	-992.41	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	30,137.95	744.31
			<i>For Factory Installed Accessory, Deduct</i>	-1,488.62	
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	479.25	82.71
			<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	537.25	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	520.70	82.71
			<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	580.68	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	638.66	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	801.79	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	1,007.35	148.86
			<i>For Factory Installed Accessory, Deduct</i>	-297.73	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	608.31	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1)	668.27	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2)	726.26	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3)	914.19	144.73
			<i>For Factory Installed Accessory, Deduct</i>	-289.45	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4)	1,116.79	169.54
			<i>For Factory Installed Accessory, Deduct</i>	-339.07	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1)	1,160.76	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2)	1,265.66	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3)	1,601.01	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1)	1,828.23	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2)	2,023.43	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3)	2,499.93	206.75
			<i>For Factory Installed Accessory, Deduct</i>	-413.51	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	4,129.40	206.75
			<i>For Factory Installed Accessory, Deduct</i>	-413.51	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	4,465.74	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	9,100.08	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	25,836.04	496.21
			<i>For Factory Installed Accessory, Deduct</i>	-992.41	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJJG2)	34,921.72	744.31
			<i>For Factory Installed Accessory, Deduct</i>	-1,488.62	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)					
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	749.45	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0138	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	807.43	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0139	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	895.03	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0140	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	1,468.69	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0141	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,574.58	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0142	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	2,193.40	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0143	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	2,387.61	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0144	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2)	5,674.76	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0145	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	12,194.18	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0146	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	29,629.90	496.21
			<i>For Factory Installed Accessory, Deduct</i>	-992.41	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)					
Note: Brushed stainless steel enclosure.					
26 29 13 13-0148	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	1,131.15	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0149	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	1,174.58	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0150	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	1,232.57	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0151	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	1,420.50	144.73
			<i>For Factory Installed Accessory, Deduct</i>	-289.45	
26 29 13 13-0152	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	2,278.28	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	3,456.49	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	6,912.40	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	12,194.18	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	32,863.16	496.21
			<i>For Factory Installed Accessory, Deduct</i>	-992.41	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0157	NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small> Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	2,307.64	132.33
26 29	<i>For Factory Installed Accessory, Deduct</i>	-264.64	
26 29 13 13-0159	Non Reversing, Magnetic Starters <small>(26 29 13 13-0083)</small>		
26 29 13 13-0160	Open Enclosure, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO1)	546.36	82.71
26 29 13 13-0162	<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0162	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	562.91	90.97
26 29 13 13-0163	<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0163	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1)	611.28	90.97
26 29 13 13-0164	<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0164	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	677.15	99.24
26 29 13 13-0165	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0165	EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,096.18	148.86
26 29 13 13-0166	<i>For Factory Installed Accessory, Deduct</i>	-297.73	
26 29 13 13-0166	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	698.87	99.24
26 29 13 13-0167	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0167	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	826.93	107.52
26 29 13 13-0168	<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0168	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	868.38	107.52
26 29 13 13-0169	<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0169	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6)	1,104.50	99.24
26 29 13 13-0170	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0170	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,245.92	124.05
26 29 13 13-0171	<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0171	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1)	1,947.43	165.40
26 29 13 13-0172	<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0172	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1)	4,194.33	248.11
26 29 13 13-0173	<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0173	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,694.22	330.80
26 29 13 13-0174	<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0174	EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	22,464.60	496.21
26 29 13 13-0175	<i>For Factory Installed Accessory, Deduct</i>	-992.41	
26 29 13 13-0175	EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2)	32,340.83	744.31
26 29 13 13-0176	<i>For Factory Installed Accessory, Deduct</i>	-1,488.62	
26 29 13 13-0176	NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG1)	578.93	82.71
26 29 13 13-0178	<i>For Factory Installed Accessory, Deduct</i>	-165.40	
26 29 13 13-0178	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	595.48	90.97
26 29 13 13-0179	<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0179	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	643.84	90.97
26 29 13 13-0180	<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0180	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	709.72	99.24
26 29 13 13-0181	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0181	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	730.45	99.24
26 29 13 13-0182	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0182	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	797.32	107.52
26 29 13 13-0183	<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0183	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2)	901.94	107.52
26 29 13 13-0184	<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0184	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,251.56	99.24
26 29 13 13-0185	<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0185	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,392.98	124.05
26 29 13 13-0186	<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0186	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1)	2,234.64	165.40
26 29 13 13-0186	<i>For Factory Installed Accessory, Deduct</i>	-330.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	4,789.46	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,781.85	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0189			NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	812.61	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	878.49	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1)	899.22	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	966.09	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,070.71	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,560.48	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,700.91	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	2,598.82	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	5,997.50	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	13,872.99	330.80
			<i>For Factory Installed Accessory, Deduct</i>	-661.61	
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	33,292.49	496.21
			<i>For Factory Installed Accessory, Deduct</i>	-992.41	
26 29 13 13-0201			NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1)	812.61	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	878.49	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	899.22	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	966.09	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,070.71	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,560.48	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,700.91	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	2,598.82	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	5,997.50	248.11
			<i>For Factory Installed Accessory, Deduct</i>	-496.21	
26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	2,403.13	140.59
			<i>For Factory Installed Accessory, Deduct</i>	-281.18	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	2,977.54	140.59
			<i>For Factory Installed Accessory, Deduct</i>	-281.18	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	3,065.15	148.86
			<i>For Factory Installed Accessory, Deduct</i>	-297.73	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	4,798.75	165.40
			<i>For Factory Installed Accessory, Deduct</i>	-330.80	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	5,781.56		206.75
		<i>For Factory Installed Accessory, Deduct</i>	-413.51		
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	9,242.40		289.45
		<i>For Factory Installed Accessory, Deduct</i>	-578.91		
26 29 13 13-0218		NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
		Note: Brushed stainless steel enclosure.			
26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,135.35		90.97
		<i>For Factory Installed Accessory, Deduct</i>	-181.95		
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,202.21		99.24
		<i>For Factory Installed Accessory, Deduct</i>	-198.48		
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,236.76		99.24
		<i>For Factory Installed Accessory, Deduct</i>	-198.48		
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,303.63		107.52
		<i>For Factory Installed Accessory, Deduct</i>	-215.02		
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,408.25		107.52
		<i>For Factory Installed Accessory, Deduct</i>	-215.02		
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,262.20		99.24
		<i>For Factory Installed Accessory, Deduct</i>	-198.48		
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	3,666.71		165.40
		<i>For Factory Installed Accessory, Deduct</i>	-330.80		
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	7,234.15		248.11
		<i>For Factory Installed Accessory, Deduct</i>	-496.21		
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	16,250.56		330.80
		<i>For Factory Installed Accessory, Deduct</i>	-661.61		
26 29 13 13-0228		NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
		Note: Glass polyester enclosure.			
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,405.59		124.05
		<i>For Factory Installed Accessory, Deduct</i>	-248.11		
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	4,501.67		165.40
		<i>For Factory Installed Accessory, Deduct</i>	-330.80		
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	8,919.87		248.11
		<i>For Factory Installed Accessory, Deduct</i>	-496.21		
26 29 13 13-0232		NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)			
		Note: Bolted cast iron enclosure.			
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,328.36		132.33
		<i>For Factory Installed Accessory, Deduct</i>	-264.64		
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,403.13		140.59
		<i>For Factory Installed Accessory, Deduct</i>	-281.18		
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,438.66		140.59
		<i>For Factory Installed Accessory, Deduct</i>	-281.18		
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,509.50		148.86
		<i>For Factory Installed Accessory, Deduct</i>	-297.73		
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,629.90		148.86
		<i>For Factory Installed Accessory, Deduct</i>	-297.73		
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	3,906.54		165.40
		<i>For Factory Installed Accessory, Deduct</i>	-330.80		
26 29 13 13-0239		Reversing, Magnetic Starters (26 29 13 13-0083)			
26 29 13 13-0240		Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)			
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,066.76		107.52
		<i>For Factory Installed Accessory, Deduct</i>	-215.02		
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,128.94		107.52
		<i>For Factory Installed Accessory, Deduct</i>	-215.02		
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,252.07		115.78
		<i>For Factory Installed Accessory, Deduct</i>	-231.56		
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,296.26		124.05
		<i>For Factory Installed Accessory, Deduct</i>	-248.11		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) <i>For Factory Installed Accessory, Deduct</i>	1,330.80 -248.11	124.05
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2) <i>For Factory Installed Accessory, Deduct</i>	1,424.31 -264.64	132.33
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3) <i>For Factory Installed Accessory, Deduct</i>	1,478.73 -289.45	144.73
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7) <i>For Factory Installed Accessory, Deduct</i>	1,514.26 -289.45	144.73
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1) <i>For Factory Installed Accessory, Deduct</i>	2,649.16 -330.80	165.40
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1) <i>For Factory Installed Accessory, Deduct</i>	4,347.31 -496.21	248.11
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1) <i>For Factory Installed Accessory, Deduct</i>	10,149.99 -744.31	372.16
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1) <i>For Factory Installed Accessory, Deduct</i>	19,062.57 -992.41	496.21
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1) <i>For Factory Installed Accessory, Deduct</i>	62,270.41 -1,819.42	909.72
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13) <i>For Factory Installed Accessory, Deduct</i>	1,109.44 -198.48	99.24
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15) <i>For Factory Installed Accessory, Deduct</i>	1,155.59 -215.02	107.52
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16) <i>For Factory Installed Accessory, Deduct</i>	1,191.12 -215.02	107.52
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1) <i>For Factory Installed Accessory, Deduct</i>	1,311.29 -231.56	115.78
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2) <i>For Factory Installed Accessory, Deduct</i>	1,357.45 -248.11	124.05
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4) <i>For Factory Installed Accessory, Deduct</i>	1,392.98 -248.11	124.05
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2) <i>For Factory Installed Accessory, Deduct</i>	1,513.14 -264.64	132.33
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6) <i>For Factory Installed Accessory, Deduct</i>	1,567.56 -289.45	144.73
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8) <i>For Factory Installed Accessory, Deduct</i>	1,603.09 -289.45	144.73
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2) <i>For Factory Installed Accessory, Deduct</i>	2,880.10 -330.80	165.40
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2) <i>For Factory Installed Accessory, Deduct</i>	4,747.03 -496.21	248.11
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3) <i>For Factory Installed Accessory, Deduct</i>	10,884.29 -744.31	372.16
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2) <i>For Factory Installed Accessory, Deduct</i>	1,610.11 -248.11	124.05
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4) <i>For Factory Installed Accessory, Deduct</i>	1,645.64 -248.11	124.05
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4) <i>For Factory Installed Accessory, Deduct</i>	1,855.75 -289.45	144.73
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1) <i>For Factory Installed Accessory, Deduct</i>	3,302.52 -330.80	165.40
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14) <i>For Factory Installed Accessory, Deduct</i>	2,038.45 -248.11	124.05

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,413.24	132.33
			<i>For Factory Installed Accessory, Deduct</i>	-264.64	
26 29 13 13-0275 Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>					
26 29 13	13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	151.24	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	262.66	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	151.24	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	262.66	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	262.66	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	127.96	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	113.33	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	151.24	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	127.96	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	171.49	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	194.37	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	339.55	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	360.94	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	431.48	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	758.99	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	758.99	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	41.79	6.21
			<i>For Factory Installed Accessory, Deduct</i>	-12.41	
26 29 13	13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	88.57	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	117.47	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	90.46	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13	13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	49.90	6.21
			<i>For Factory Installed Accessory, Deduct</i>	-12.41	
26 29 13	13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	28.51	6.21
			<i>For Factory Installed Accessory, Deduct</i>	-12.41	
26 29 13	13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	168.48	8.27
			<i>For Factory Installed Accessory, Deduct</i>	-16.54	
26 29 13	13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	294.17	10.34
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13 13-0300 Definite Purpose Starters <small>(26 29 13 13)</small>					
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>					
26 29 13	13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	491.61	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13	13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	490.62	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13	13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	530.85	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13	13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	527.14	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13	13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	573.28	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13	13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	558.72	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13	13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	641.91	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13	13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	723.82	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13	13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	919.13	144.73
			<i>For Factory Installed Accessory, Deduct</i>	-289.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)					
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG12)	509.62	90.97
			<i>For Factory Installed Accessory, Deduct</i>	-181.95	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG13)	549.84	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG22)	547.86	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG23)	591.05	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG32)	585.37	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG33)	632.50	107.52
			<i>For Factory Installed Accessory, Deduct</i>	-215.02	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG42)	618.92	99.24
			<i>For Factory Installed Accessory, Deduct</i>	-198.48	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG43)	701.12	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG52)	780.08	124.05
			<i>For Factory Installed Accessory, Deduct</i>	-248.11	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPG53)	976.37	144.73
			<i>For Factory Installed Accessory, Deduct</i>	-289.45	
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)					
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory	171.49	10.34
			Note: Or Hand-Off-Auto Selector Switch Kit		
			<i>For Factory Installed Accessory, Deduct</i>	-20.68	
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)					
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)					
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	138.97	41.35
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	164.99	45.49
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	164.99	45.49
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	184.12	49.62
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	156.73	41.35
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	166.60	41.35
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	181.77	45.49
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	191.64	45.49
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	187.69	45.49
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	191.64	45.49
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	203.86	49.62
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	197.56	45.49
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	213.73	49.62
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	199.54	45.49
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	199.54	45.49

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	223.60		49.62
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	223.60		49.62
26 29 13 13-0343		Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>			
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	211.01		41.35
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	230.75		41.35
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	255.79		45.49
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	255.79		45.49
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	275.53		45.49
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	287.75		49.62
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	287.75		49.62
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	247.53		41.35
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	267.27		41.35
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	290.33		45.49
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	310.07		45.49
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	328.21		49.62
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	347.95		49.62
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	279.48		45.49
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	325.87		45.49
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	369.67		49.62
26 29 13 13-0360		Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>			
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	56.85		20.68
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	64.47		20.68
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	78.27		20.68
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	105.71		20.68
26 29 13 13-0365		Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>			
26 29 13 13-0366		NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>			
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,775.72		396.02
		<i>For NEMA 4, Add</i>	745.86		
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	11,956.61		528.01
		<i>For NEMA 4, Add</i>	1,362.36		
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,142.18		627.03
		<i>For NEMA 4, Add</i>	2,486.52		
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,091.46		767.28
		<i>For NEMA 4, Add</i>	6,320.45		
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,274.54		981.79
		<i>For NEMA 4, Add</i>	10,163.77		
26 29 13 13-0372		NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>			
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,726.02		404.43
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	11,865.83		528.85
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	20,976.49		625.04
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	51,670.30		763.89
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	82,597.28		982.20

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0378		Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	175.73	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	193.81	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	329.90	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.24	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	257.73	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	128.87	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	420.61	
26 29 13 13-0386		Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,690.71	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,633.00	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	577.32	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	478.36	
26 29 13 13-0391		Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,234.53	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	4,086.67	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	8,692.75	
26 29 13 13-0395		Factory Modifications Addition <small>(26 29 13 13-0365)</small>		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase.....	375.27	
26 29 13 13-0400		Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401		240-600 Volt, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402		NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,479.65	189.76
		<i>For Electronic Overloads, Add</i>	208.56	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,755.85	297.01
		<i>For Electronic Overloads, Add</i>	220.02	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,521.02	346.52
		<i>For Electronic Overloads, Add</i>	348.37	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,911.22	429.01
		<i>For Electronic Overloads, Add</i>	579.85	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,261.56	684.77
		<i>For Electronic Overloads, Add</i>	1,118.44	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	14,935.32	858.03
		<i>For Electronic Overloads, Add</i>	2,511.14	
26 29 13 13-0409		NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,913.90	189.76
		<i>For Electronic Overloads, Add</i>	291.07	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,190.10	297.01
		<i>For Electronic Overloads, Add</i>	302.53	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,943.21	346.52
		<i>For Electronic Overloads, Add</i>	428.58	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,140.41	429.01
		<i>For Electronic Overloads, Add</i>	623.39	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,576.38	684.77
		<i>For Electronic Overloads, Add</i>	1,368.25	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	18,421.39	858.03
		<i>For Electronic Overloads, Add</i>	3,173.49	
26 29 13 13-0416		Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	197.75	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	464.48	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	320.57	
26 29 13 13-0420		NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,764.96 428.58	247.50
26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,003.52 440.04	346.52
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,382.68 687.56	379.51
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,080.65 1,171.15	462.02
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	11,242.20 1,874.76	684.77
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	25,091.96 4,440.90	858.03
26 29 13 13-0427			NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,199.21 511.09	247.50
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,437.78 522.55	346.52
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,804.87 767.78	379.51
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,309.84 1,214.70	462.02
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	12,557.01 2,124.57	684.77
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	23,728.90 4,181.92	858.03
26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	197.78	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	464.48	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	320.57	
26 29 13 13-0438			NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,534.53 218.99	190.99
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,813.75 231.02	298.91
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,612.70 365.78	343.79
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,063.81 608.84	429.68
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,555.88 1,174.36	687.58
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	15,596.13 2,636.69	859.35
26 29 13 13-0445			NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,053.06 317.51	190.99
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,334.74 330.01	298.91
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,148.11 467.51	343.79
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,438.44 680.02	429.68
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	9,230.53 1,492.54	687.58
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	19,938.61 3,461.76	859.35
26 29 13 13-0452			Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	196.13	
26 29 13 13-0454	EA		H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	460.61	
26 29 13 13-0455	EA		Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	317.90	
26 29 13 13-0456			NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,673.65	396.02
26 29 13 13-0458	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,979.64	528.01
26 29 13 13-0459	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,367.90	726.03
26 29 13 13-0460	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,003.13	990.04
26 29 13 13-0461	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,090.95	1,386.05
26 29 13 13-0462			Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463	EA		Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,176.07	
26 29 13 13-0464	EA		H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,176.07	
26 29 13 13-0465	EA		Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,176.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,817.36	247.50
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,083.21	346.52
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,096.88	379.51
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	4,782.58	462.02
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	9,471.80	684.77
 26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,046.49	247.50
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,327.79	346.52
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,383.20	379.51
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,388.40	462.02
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,246.25	684.77
 26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,950.60	254.69
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,225.37	343.79
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,334.51	381.99
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,176.35	458.39
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,296.50	687.58
 26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,203.06	254.69
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,494.86	343.79
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,649.99	381.99
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,742.02	458.39
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	11,149.83	687.58
 26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,439.24	528.01
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,738.83	660.02
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,844.00	858.03
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,970.44	1,122.04
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	20,202.33	1,518.05
 26 29 13 13-0498 Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,463.60	148.50
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,784.21	148.50
 26 29 13 13-0502 Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	589.30	
 26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Normally Open, Auxiliary Contact	414.63	82.51
26 29 13 13-0506 EA Normally Closed, Auxiliary Contact.....	414.63	82.51
26 29 13 13-0507 EA Pilot Light Kit.....	439.82	82.51
 26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,785.47	297.54
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	2,017.73	325.20
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,356.60	357.57
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	2,505.71	343.71
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,682.15	374.74
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,920.42	374.74
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	3,489.42	447.43
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	3,833.59	447.43
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	5,000.95	673.70
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	5,954.05	673.70
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	7,217.19	894.94
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	8,408.56	894.94
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	9,441.09	894.94
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	12,481.92	1,131.33
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	15,066.96	1,338.33
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	17,184.96	1,338.33

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0018			460/480 Volt Variable Frequency Drives ^(26 29 23) Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA		3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,353.59	535.35
26 29 23 00-0020	EA		5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,512.44	535.35
26 29 23 00-0021	EA		7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,902.75	637.87
26 29 23 00-0022	EA		10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,929.22	637.87
26 29 23 00-0023	EA		15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,540.73	967.04
26 29 23 00-0024	EA		20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,911.38	967.04
26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,243.55	1,275.75
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,567.31	1,275.75
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	10,944.01	1,275.75
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	14,360.43	1,620.51
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	19,304.83	1,921.72
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	20,575.63	1,921.72
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	23,874.20	2,141.39
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	25,250.90	2,141.39
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	28,110.20	2,141.39
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	32,385.10	2,584.40
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	40,859.05	2,699.74
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	47,962.68	3,097.86
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	55,305.39	3,359.72
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	64,264.70	3,627.81
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	69,246.52	3,933.97

26 30 Facility Electrical Power Generating and Storing Equipment⁽²⁶⁾**26 31 Photovoltaic Collectors** ^(26 30)**26 31 00 00-0001 Rigid Photovoltaic Modules** ^(26 31)**26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules** ^(26 31 00 00-0001)

26 31 00 00-0003	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)..... <i>For >50, Deduct</i>	1,507.47 -135.07	78.37
26 31 00 00-0004	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)..... <i>For >50, Deduct</i>	1,580.69 -142.39	78.37
26 31 00 00-0005	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)..... <i>For >50, Deduct</i>	1,478.75 -132.20	78.37

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules ^(26 31 00 00-0001)

26 31 00 00-0007	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)..... <i>For >50, Deduct</i>	1,177.78 -102.10	78.37
26 31 00 00-0008	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)..... <i>For >50, Deduct</i>	1,341.21 -118.45	78.37
26 31 00 00-0009	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)..... <i>For >50, Deduct</i>	1,367.10 -121.03	78.37
26 31 00 00-0010	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)..... <i>For >50, Deduct</i>	1,286.19 -112.94	78.37

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules ^(26 31 00 00-0001)

26 31 00 00-0012	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)..... <i>For >50, Deduct</i>	575.77 -41.90	78.37
26 31 00 00-0013	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)..... <i>For >50, Deduct</i>	713.31 -55.66	78.37
26 31 00 00-0014	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)..... <i>For >50, Deduct</i>	768.32 -61.16	78.37

26 31 00 00-0015 Photovoltaic Inverters ^(26 31)

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 31 00 00-0016 Fronius Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0017	EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	3,605.24	82.51
26 31 00 00-0018	EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	4,758.86	82.51
26 31 00 00-0019	EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	5,023.91	82.51
26 31 00 00-0020	EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	5,618.56	82.51
26 31 00 00-0021	EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	8,903.10	82.51
26 31 00 00-0022	EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	10,350.95	82.51
26 31 00 00-0023	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	8,417.02	165.01
26 31 00 00-0024	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	10,658.26	165.01
26 31 00 00-0025	EA Inverter Display Stand (Fronius 4,045,894)	311.79	41.25
26 31 00 00-0026 SMA Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0027	EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,677.86	82.51
26 31 00 00-0028	EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	3,216.48	82.51
26 31 00 00-0029	EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	3,718.43	82.51
26 31 00 00-0030	EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	4,101.63	82.51
26 31 00 00-0031	EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	3,972.55	82.51
26 31 00 00-0032 PVPowered Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0033	EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	3,312.42	82.51
26 31 00 00-0034	EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	3,464.82	82.51
26 31 00 00-0035	EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,829.26	82.51
26 31 00 00-0036	EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	4,539.74	103.12
26 31 00 00-0037	EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	5,535.14	123.75
26 31 00 00-0038	EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	5,890.30	123.75
26 31 00 00-0039	EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	5,581.53	123.75
26 31 00 00-0040	EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	70,328.11	660.02
26 31 00 00-0041	EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	70,421.30	660.02
26 31 00 00-0042	EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	76,209.13	660.02
26 31 00 00-0043	EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	70,643.70	660.02
26 31 00 00-0044 Solectria Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0045	EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	11,062.73	165.01
26 31 00 00-0046	EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	11,062.73	165.01
26 31 00 00-0047	EA 208 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	11,386.87	165.01
26 31 00 00-0048	EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	11,386.87	165.01
26 31 00 00-0049	EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	34,664.85	495.02
26 31 00 00-0050	EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	33,044.14	495.02
26 31 00 00-0051	EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	37,906.28	495.02
26 31 00 00-0052	EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	37,005.88	495.02
26 31 00 00-0053	EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	40,247.31	495.02
26 31 00 00-0054	EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	38,446.51	495.02
26 31 00 00-0055	EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	42,378.11	660.02
26 31 00 00-0056	EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	40,397.24	660.02
26 31 00 00-0057	EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	43,998.82	660.02
26 31 00 00-0058	EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	41,657.79	660.02
26 31 00 00-0059 Xantrex Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0060	EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	460.74	20.63
26 31 00 00-0061	EA 1 KW Photovoltaic Inverter (Xantrex 806-1210)	502.41	20.63
26 31 00 00-0062	EA 2 KW Photovoltaic Inverter (Xantrex 806-1220)	808.62	20.63
26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)			
26 31 00 00-0064	EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	269.00	30.94
	Note: Hazardous locations.		
26 31 00 00-0065	EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	178.38	30.94
26 31 00 00-0066	EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	502.00	30.94
26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)			
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)			
26 31 00 00-0069	EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	317.80	82.51
26 31 00 00-0070	EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	309.41	82.51
26 31 00 00-0071	EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	493.04	123.75
26 31 00 00-0072	EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	495.98	123.75
26 31 00 00-0073	EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	768.18	123.75
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)			
26 31 00 00-0075	EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	713.86	82.51
26 31 00 00-0076	EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	856.86	82.51
26 31 00 00-0077	EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,659.06	165.01
26 31 00 00-0078	EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	3,836.33	165.01
26 31 00 00-0079	EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	636.47	82.51

26 Electrical
26 30 Facility Electrical Power Generating and Storing Equipment
26 31 Photovoltaic Collectors

MINOR
 CSI UOM DESCRIPTION TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 31 00 00-0080 Photovoltaic Charge Controller (26 31)

26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	213.98	30.94
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	286.80	30.94
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	335.34	30.94
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	256.05	30.94
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	894.72	41.25

26 31 00 00-0086 Photovoltaic Batteries (26 31)

26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)

26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	199.39	12.38
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	251.30	16.50
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	272.40	16.50
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	311.45	24.75
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	355.11	24.75
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	421.57	28.87
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	483.39	33.00
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	477.85	33.00
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	878.79	39.19
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,016.81	41.25

26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)

26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	208.01	20.68
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	287.30	20.68
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	424.84	20.68
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	486.33	20.68
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	487.95	20.68
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	947.49	20.68
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,096.35	20.68

26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)

26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	235.42	20.63
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,162.69	20.68
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,093.11	20.68
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	1,457.19	20.68
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	648.14	20.68
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	1,526.77	20.68

26 31 00 00-0113 Photovoltaic System Monitoring (26 31)

26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	497.07	41.25
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,035.17	20.63
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	864.50	20.63
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	157.46	20.63
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	390.40	41.25
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,018.18	20.63
26 31 00 00-0120	EA	RS 485 Module (SMA)	229.58	20.63
26 31 00 00-0121	EA	RS 232 Module (SMA)	235.42	20.63
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	441.25	20.63
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	238.57	20.63
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	236.94	20.63
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	449.76	20.63
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	214.14	6.19
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	4,150.43	20.63
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	448.81	20.63
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	448.36	20.63
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	146.66	20.63
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	266.13	20.63
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	224.71	20.63
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	891.21	20.63
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	578.68	20.63
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,006.54	20.63
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	1,731.76	20.63
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	463.10	20.63
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	329.57	20.63
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	216.30	20.63
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	930.92	20.63
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	100.56	20.63
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	321.35	20.63
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	358.23	20.63
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	185.15	41.25

26 31 00 00-0145 Photovoltaic System Accessories (26 31)

26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	683.20	41.25
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	1,490.23	82.51
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	114.32	6.19
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	172.57	6.19
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.07	2.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0151	EA		36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	28.02	2.05
26 31 00 00-0152	EA		48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.13	2.05
26 31 00 00-0153	EA		72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	32.18	2.05
26 31 00 00-0154	EA		120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	36.77	2.05
26 31 00 00-0155	EA		240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	58.25	4.08
26 31 00 00-0156	EA		360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	72.49	4.08
26 31 00 00-0157	EA		420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	95.02	6.13
26 31 00 00-0158	EA		36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	32.95	2.05
26 31 00 00-0159	EA		120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	45.95	2.05
26 31 00 00-0160	EA		240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	67.43	4.08
26 31 00 00-0161	EA		360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	90.36	4.08
26 31 00 00-0162	EA		600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	146.31	8.17
26 31 00 00-0163	EA		1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	152.79	8.17
26 31 00 00-0164	EA		Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery..... Note: Tamper proof enclosure.	2,723.14	222.75
26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)					
26 31 00 00-0166	LF		Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	9.15	2.07
26 31 00 00-0167	EA		Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	25.70	10.31
26 31 00 00-0168	EA		Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	32.91	10.31
26 31 00 00-0169	EA		8" x 3/8" Hanger Bolt (UNIRAC 310046)..... Note: Supports mounting rail above tile or metal roof.	17.54	4.12
26 31 00 00-0170	EA		Mounting Rail Grounding Clip (UNIRAC 980006)	8.20	3.09
			Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171	EA		Mounting Rail Grounding Lugs (UNIRAC 980012)	17.87	4.12
			Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172	EA		Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.76	1.37
			Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173	EA		Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	5.00	1.37
			Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174	EA		Photovoltaic Module Mount L-Feet (UNIRAC 310065)	12.28	4.12
26 31 00 00-0175	EA		12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	73.64	20.63
			Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176	EA		30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	81.80	20.63
			Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177	EA		44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	88.37	20.63
			Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178	EA		12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	108.09	30.94
			Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179	EA		44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	132.56	30.94
			Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180	EA		72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	154.76	30.94
			Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181	EA		18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	169.50	41.25
			Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182	EA		64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	227.94	41.25
			Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183	EA		104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	319.93	61.88
			Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184	EA		Ballasted Photovoltaic Module Frame (UNIRAC 310351)	156.12	
			Note: Excludes ballast.		
26 31 00 00-0185	EA		Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	291.60	
			Note: Excludes ballast.		
26 31 00 00-0186	EA		3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	57.35	20.63
26 31 00 00-0187	EA		4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	58.10	20.63
26 31 00 00-0188	EA		6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	58.79	20.63
26 31 00 00-0189	EA		7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	60.51	20.63
26 31 00 00-0190	EA		3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	52.80	20.63
26 31 00 00-0191	EA		4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	53.67	20.63
26 31 00 00-0192	EA		6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	56.20	20.63
26 31 00 00-0193	EA		7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	55.48	20.63
26 31 00 00-0194	EA		3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	111.26	30.94
26 31 00 00-0195	EA		4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	111.79	30.94
26 31 00 00-0196	EA		7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	113.33	30.94
26 31 00 00-0197	EA		Photovoltaic Module RapidFoot Standoff Assembly (UNIRAC 310370)	111.72	30.94
26 31 00 00-0198	EA		Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	22.48	4.12
26 31 00 00-0199	EA		Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	14.61	4.12
26 31 00 00-0200	EA		1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	27.97	6.19
26 31 00 00-0201	EA		3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	29.14	6.19
26 31 00 00-0202	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	8.19	1.37
26 31 00 00-0203	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	37.62	4.12
26 31 00 00-0204	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.87	

26 32 Packaged Generator Assemblies (26 30)

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 32 Packaged Generator Assemblies



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0632 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 01 22 23 00-0632 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA)	29,749.06	739.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA)	31,463.61	910.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB)	32,406.03	997.99
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC)	38,084.85	1,145.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD)	41,045.87	1,316.80
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE)	48,257.88	1,543.19
		For Weather Resistant Steel Diesel Generator Enclosure, Add	3,432.95	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	8,740.90	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	12,679.02	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	16,905.36	
26 32 13 13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA)	51,869.90	1,792.68
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB)	52,962.48	2,125.35
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC)	58,547.37	2,342.51
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB)	61,541.22	2,615.11
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	
26 32 13 13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC)	65,455.20	2,864.60
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,207.06	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	11,214.72	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	13,482.41	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	17,976.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0013	EA		230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	70,689.90 5,207.06 12,351.17 16,468.23 11,214.72 13,482.41 17,976.55	3,026.31
26 32 13 13-0014	EA		250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	73,728.31 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	3,151.06
26 32 13 13-0015	EA		275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	80,337.11 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	3,322.01
26 32 13 13-0016	EA		300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	82,027.02 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	3,469.87
26 32 13 13-0017	EA		350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	92,670.88 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	3,881.08
26 32 13 13-0018	EA		400 KW Diesel Generator Set, 3 Phase (Cummins DFEH) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	99,841.08 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	4,250.71
26 32 13 13-0019	EA		450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	112,992.61 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	4,578.74
26 32 13 13-0020	EA		500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	118,911.27 33,769.08 37,392.17 49,856.23 40,956.82 45,707.14 60,942.86	4,879.07
26 32 13 13-0021	EA		600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	173,952.62 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	5,373.44
26 32 13 13-0022	EA		750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	199,356.80 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	5,909.40
26 32 13 13-0023	EA		800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	208,252.56 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	6,038.77
26 32 13 13-0024	EA		900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	254,506.65 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	6,510.04
26 32 13 13-0025	EA		1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	284,271.40 68,984.03 83,072.90 110,763.86 81,138.66 96,778.67 129,038.23	6,930.49

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 32 Packaged Generator Assemblies



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 01 22 23 00-0632 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	12,588.10	619.12
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,381.71	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,610.57	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	14,216.93	739.26
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,381.71	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,610.57	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	16,442.34	822.41
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	3,381.71	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,610.57	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	18,678.49	910.20
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	9,565.50	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	20,987.47	997.99
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	9,565.50	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	22,757.62	1,076.54
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	9,565.50	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	24,851.21	1,316.80
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	9,565.50	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	26,649.12	1,473.88
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	3,122.32	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	8,078.40	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	10,771.20	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	9,565.50	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	35,166.04	1,575.53
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,690.62	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	11,214.72	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	42,449.79	1,774.20
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,690.62	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	11,214.72	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIA).....	48,567.11	2,125.35
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,690.62	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	11,214.72	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIB).....	57,827.95	2,342.51
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	5,690.62	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,351.17	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,468.23	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	11,214.72	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,055.12	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	94,119.01	6,230.88
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	30,368.15	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	33,616.57	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	44,822.09	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	33,203.86	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	49,825.80	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	106,931.73 30,368.15 33,616.57 44,822.09 33,203.86 49,825.80	2,813.78
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	114,945.63 30,368.15 33,616.57 44,822.09 33,203.86 49,825.80	3,151.06
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	148,951.05 30,368.15 33,616.57 44,822.09 33,203.86 49,825.80	3,469.87
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	159,825.97 30,368.15 33,616.57 44,822.09 33,203.86 49,825.80	3,881.08
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	224,967.80 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	4,578.74
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	288,095.82 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	4,879.07
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	322,530.20 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	5,142.43
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	367,607.05 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	5,373.44
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	384,398.83 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	5,576.73
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	406,570.75 66,310.04 70,453.92 93,938.57 75,316.73 106,448.66	5,960.22
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,187.03	384.56
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,314.66	427.28
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,113.16	454.85
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,769.41	165.01
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,250.64	165.01
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,937.31	165.01
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,023.53	165.01
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,233.51	206.26
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,251.25	206.26
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,877.10	206.26
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,895.27	272.26
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,782.06	272.26
26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)		
26 32 29 00-0012 EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,841.74	165.01
26 32 29 00-0013 EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,355.46	165.01
26 32 29 00-0014 EA 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,704.00	165.01

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,001.65	165.01
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,458.70	206.26
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,704.55	206.26
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,157.85	206.26
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,828.00	272.26
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	17,854.52	272.26

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,510.02	3,234.23
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	21,607.71	3,234.23
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	24,561.12	4,620.32
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,692.29	4,620.32
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,592.30	4,620.32
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	38,220.97	6,930.49
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	46,272.60	6,930.49

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	67,885.41	9,240.66
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	73,960.11	9,240.66
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	88,992.44	12,012.85
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	101,142.77	14,600.24
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	119,876.05	14,600.24
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	170,091.36	21,807.95
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	175,875.41	21,807.95
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	202,594.28	25,411.80

26 33 Battery Equipment (26 30)**26 33 13 Batteries (26 33)****26 33 13 00-0001 Standby Batteries (26 33 13)**

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	828.96	20.68
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	895.71	20.68
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	261.01	20.68
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	236.85	20.68
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	409.11	20.68
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	475.87	20.68

26 33 43 Battery Chargers (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)**

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,323.22	470.71
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,716.78	470.71
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	2,991.57	470.71
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,162.87	557.32

26 33 53 Static Uninterruptible Power Supply (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)****26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)****26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)**

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	940.68	81.68
		Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,125.60	95.29
		Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,394.70	108.90
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,712.75	122.52
		Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,215.79	136.13
		Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,616.36	163.36
		Note: Includes 4 minutes of battery backup at full load.		

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 33 53 00-0011	EA		3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	3,547.21	163.36
	26 33 53 00-0012			120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
	26 33 53 00-0013	EA		5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	5,501.12	217.81
	26 33 53 00-0014	EA		6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,010.06	245.04
	26 33 53 00-0015	EA		8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	9,043.88	299.48
	26 33 53 00-0016	EA		10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	10,411.04	326.71
	26 33 53 00-0017			230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
	26 33 53 00-0018	EA		0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,125.60	95.29
	26 33 53 00-0019	EA		1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,394.70	108.90
	26 33 53 00-0020	EA		1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,733.18	122.52
	26 33 53 00-0021	EA		2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,220.72	136.13
	26 33 53 00-0022	EA		3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	3,631.71	163.36
	26 33 53 00-0023	EA		5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	5,270.20	217.81
	26 33 53 00-0024	EA		6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	6,490.16	245.04
	26 33 53 00-0025	EA		10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	10,080.93	326.71
	26 33 53 00-0026			Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
	26 33 53 00-0027	EA		External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	656.26	24.75
	26 33 53 00-0028	EA		External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	863.98	24.75
	26 33 53 00-0029	EA		External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	840.86	24.75
	26 33 53 00-0030	EA		External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	566.78	24.75
	26 33 53 00-0031	EA		Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT) Note: Rack mount or tower configuration.	788.75	81.68
	26 33 53 00-0032	EA		Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT) Note: Rack mount or tower configuration.	871.26	108.90
	26 33 53 00-0033			Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
	26 33 53 00-0034			208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery <small>(26 33 53 00-0033)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
	26 33 53 00-0035	EA		10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	28,854.31	326.71
	26 33 53 00-0036	EA		15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	31,943.83	435.61
	26 33 53 00-0037	EA		20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	35,706.39	544.52
	26 33 53 00-0038	EA		30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	38,728.60	653.42

26 Electrical

26 30 Facility Electrical Power Generating and Storing Equipment

26 33 Battery Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0039	EA		40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	46,596.77	762.33
26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)					
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.					
26 33 53 00-0041	EA		60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	63,210.26	1,299.42
26 33 53 00-0042	EA		80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	68,734.69	1,608.80
26 33 53 00-0043	EA		100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	76,021.00	1,876.95
26 33 53 00-0044	EA		120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	93,865.52	2,124.45
26 33 53 00-0045	EA		140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	97,450.05	2,371.96
26 33 53 00-0046	EA		160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	101,301.62	2,619.47
26 33 53 00-0047	EA		180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	105,960.87	2,866.98
26 33 53 00-0048	EA		200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	110,620.11	3,114.48
26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)					
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.					
26 33 53 00-0050	EA		50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	59,008.03	1,072.54
26 33 53 00-0051	EA		100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	76,424.83	1,885.19
26 33 53 00-0052	EA		150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	104,461.70	2,178.07
26 33 53 00-0053	EA		200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	123,046.57	2,392.59
26 33 53 00-0054	EA		250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	143,919.80	2,640.09
26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)					
26 33 53 00-0056	EA		Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	574.48	41.25
26 33 53 00-0057	EA		Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	938.92	41.25
26 33 53 00-0058	EA		Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,753.61	82.51
26 33 53 00-0059	EA		Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,374.23	330.01
26 33 53 00-0060	EA		12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	438.30	41.25
26 33 53 00-0061	EA		12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	238.84	41.25
26 33 53 00-0062	EA		12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	267.94	41.25
26 33 53 00-0063	EA		12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	297.05	41.25
26 33 53 00-0064	EA		12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	349.44	41.25
26 33 53 00-0065	EA		12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	366.90	41.25
26 33 53 00-0066	EA		12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	457.13	41.25
26 33 53 00-0067	EA		12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	478.96	41.25
26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)					
26 33 53 00-0069	EA		Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	4,294.87	75.31
26 33 53 00-0070	EA		Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	5,160.03	150.62
26 33 53 00-0071	EA		1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	21.89	4.52
26 33 53 00-0072	EA		2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	39.88	5.65
26 33 53 00-0073	EA		2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	75.61	5.65
26 33 53 00-0074	EA		3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	110.82	7.53
26 33 53 00-0075	EA		3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	157.98	7.53
26 33 53 00-0076	EA		Uninterrupted Power Supply Remote Status Panel.....	2,937.27	75.31
26 33 53 00-0077	EA		Uninterrupted Power Supply Remote Contact Board.....	970.39	56.48
26 35 Power Filters and Conditioners (26 30)					
26 35 33 Power Factor Correction Equipment (26 35)					
26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)					
26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)					
26 35 33 16-0002	EA		Power Factor Correction Capacitors, 2.0 KVAC.....	704.25	
26 35 33 16-0003	EA		Power Factor Correction Capacitors, 3.0 KVAC.....	779.97	
26 35 33 16-0004	EA		Power Factor Correction Capacitors, 4.0 KVAC.....	855.70	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	928.40	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,140.43	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,393.35	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	2,152.12	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	2,614.05	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	3,377.36	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	3,840.80	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	6,739.58	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	10,133.60	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	13,512.48	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	627.01	

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001		Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)		
Note: For diesel motor generator sets mounted in switchgear cabinet.				
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,952.94	1,311.80
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,635.58	1,650.06
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,264.17	1,963.57

26 36 Transfer Switches (26 36)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001		Fused Manual Transfer Switches (26 36 13)		
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,207.42	144.38
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,396.20	179.36

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,597.04	213.64
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,870.39	256.37
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	3,255.14	299.09
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	4,052.21	341.83
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	5,029.43	384.56
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	5,656.40	427.28
		For NEMA 3R Enclosure, Add	1,004.53	
		For NEMA 12 Enclosure, Add	803.62	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	6,293.52	470.01
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	7,403.07	512.75
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	9,804.33	640.92
		For NEMA 3R Enclosure, Add	1,185.35	
		For NEMA 12 Enclosure, Add	1,004.53	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	11,012.97	769.11
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 12 Enclosure, Add	1,406.34	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	14,712.30	1,108.87
		For NEMA 3R Enclosure, Add	1,456.56	
		For NEMA 12 Enclosure, Add	1,406.34	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001		Automatic Transfer Switch (26 36 23)		
26 36 23 00-0002		Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
Note: Programmable, 120/240 volt single phase, 3 wire.				
26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,307.89	299.09
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,147.82	384.56
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	5,039.56	512.75
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,688.74	640.92
26 36 23 00-0007		Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	3,910.32	213.64
		For NEMA 3R Enclosure, Add	853.86	
		For NEMA 4 Enclosure, Add	904.08	
		For NEMA 12 Enclosure, Add	904.08	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	4,510.59	256.37
		<i>For NEMA 3R Enclosure, Add</i>	853.86	
		<i>For NEMA 4 Enclosure, Add</i>	904.08	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0010	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	4,951.53	299.09
		<i>For NEMA 3R Enclosure, Add</i>	853.86	
		<i>For NEMA 4 Enclosure, Add</i>	904.08	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0011	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	5,896.23	341.83
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0012	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	6,735.03	384.56
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0013	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	7,431.08	427.28
		<i>For NEMA 3R Enclosure, Add</i>	1,004.53	
		<i>For NEMA 4 Enclosure, Add</i>	1,305.89	
		<i>For NEMA 12 Enclosure, Add</i>	904.08	
26 36 23 00-0014	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	7,755.06	470.01
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0015	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	8,778.04	512.75
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0016	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	12,055.13	640.92
		<i>For NEMA 3R Enclosure, Add</i>	1,185.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,406.34	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0017	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	13,498.61	769.11
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 4 Enclosure, Add</i>	1,607.26	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	
26 36 23 00-0018	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	17,617.89	1,108.87
		<i>For NEMA 3R Enclosure, Add</i>	1,456.56	
		<i>For NEMA 4 Enclosure, Add</i>	1,607.26	
		<i>For NEMA 12 Enclosure, Add</i>	1,406.34	
26 36 23 00-0019	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	22,952.54	1,201.28
		<i>For NEMA 3R Enclosure, Add</i>	3,214.50	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	1,506.80	
26 36 23 00-0020	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	24,431.92	1,386.10
		<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
		<i>For NEMA 4 Enclosure, Add</i>	6,428.98	
		<i>For NEMA 12 Enclosure, Add</i>	5,223.55	
26 36 23 00-0021	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	27,939.98	1,570.91
		<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
		<i>For NEMA 4 Enclosure, Add</i>	6,428.98	
		<i>For NEMA 12 Enclosure, Add</i>	5,223.55	
26 36 23 00-0022	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	33,728.54	1,940.54
		<i>For NEMA 3R Enclosure, Add</i>	5,223.55	
26 36 23 00-0023	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	58,930.96	2,310.17
		<i>For NEMA 3R Enclosure, Add</i>	24,550.65	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0025	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	19,212.79	1,623.68
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0026	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	20,048.81	1,709.13
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0027	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	21,015.48	1,794.59
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0028	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	23,540.31	1,837.32
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0029	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	27,292.18	1,880.05
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	954.31	
26 36 23 00-0030	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	32,919.50	1,965.51
		<i>For NEMA 3R Enclosure, Add</i>	1,757.93	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	1,004.53	
26 36 23 00-0031	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	36,350.99	2,050.96
		<i>For NEMA 3R Enclosure, Add</i>	1,808.15	
		<i>For NEMA 4 Enclosure, Add</i>	1,808.15	
		<i>For NEMA 12 Enclosure, Add</i>	1,104.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0032 EA 1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	45,768.52	2,392.79
For NEMA 3R Enclosure, Add	1,808.15	
For NEMA 4 Enclosure, Add	1,808.15	
For NEMA 12 Enclosure, Add	1,104.99	
26 36 23 00-0033 EA 1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	60,409.57	2,772.19
For NEMA 3R Enclosure, Add	8,036.22	
For NEMA 4 Enclosure, Add	10,045.28	
For NEMA 12 Enclosure, Add	8,036.22	
26 36 23 00-0034 EA 1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	79,099.56	2,957.01
For NEMA 3R Enclosure, Add	17,076.96	
For NEMA 4 Enclosure, Add	17,076.96	
For NEMA 12 Enclosure, Add	15,911.72	
26 36 23 00-0035 EA 2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	89,868.23	3,234.23
For NEMA 3R Enclosure, Add	17,076.96	
For NEMA 4 Enclosure, Add	17,076.96	
For NEMA 12 Enclosure, Add	15,911.72	
26 36 23 00-0036 EA 3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	144,371.73	3,696.26
For NEMA 3R Enclosure, Add	21,095.07	
26 36 23 00-0037 EA 4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	155,760.63	4,158.30
For NEMA 3R Enclosure, Add	21,095.07	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	6,444.77	213.64
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0040 EA 70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	6,957.56	256.37
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0041 EA 125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	7,469.42	299.09
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0042 EA 150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	8,978.65	341.83
For Four Pole Circuit Breaker, Add	2,511.32	
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0043 EA 225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	11,720.13	384.56
For Four Pole Circuit Breaker, Add	2,511.32	
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0044 EA 250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	12,469.59	427.28
For Four Pole Circuit Breaker, Add	2,511.32	
For NEMA 3R Enclosure, Add	502.27	
For NEMA 12 Enclosure, Add	904.08	
26 36 23 00-0045 EA 300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	12,955.67	470.01
For Four Pole Circuit Breaker, Add	3,415.40	
For NEMA 3R Enclosure, Add	1,305.89	
For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0046 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	14,670.28	512.75
For Four Pole Circuit Breaker, Add	3,415.40	
For NEMA 3R Enclosure, Add	1,305.89	
For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0047 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	17,791.73	640.92
For Four Pole Circuit Breaker, Add	3,415.40	
For NEMA 3R Enclosure, Add	1,305.89	
For NEMA 12 Enclosure, Add	1,004.53	
26 36 23 00-0048 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	18,486.48	769.11
For Four Pole Circuit Breaker, Add	4,871.96	
For NEMA 3R Enclosure, Add	2,250.15	
For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 00-0049 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	21,927.94	1,108.87
For Four Pole Circuit Breaker, Add	4,871.96	
For NEMA 3R Enclosure, Add	2,250.15	
For NEMA 12 Enclosure, Add	1,406.34	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch	233.06	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch	1,908.61	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch	693.13	

26 Electrical

26 40 Electrical And Cathodic Protection

26 36 Transfer Switches

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 40 Electrical And Cathodic Protection (26)

26 41 Facility Lightning Protection (26 40)

26 41 13 Lightning Protection for Structures (26 41)

26 41 13 13 Lightning Protection for Buildings (26 41 13)

26 41 13 13-0001 Lightning Protection (26 41 13 13)

26 41 13 13-0002 Air Terminals For Lightning Protection (26 41 13 13-0001)

26 41 13 13-0003 Copper Lightning Protection Air Terminals (26 41 13 13-0002)

26 41 13 13-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	60.88	8.25
26 41 13 13-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	75.25	8.25
26 41 13 13-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	99.28	8.25
26 41 13 13-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	110.22	8.25
26 41 13 13-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	216.73	16.50

26 41 13 13-0009 Aluminum Lightning Protection Air Terminals (26 41 13 13-0002)

26 41 13 13-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	50.78	8.25
26 41 13 13-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	64.77	8.25
26 41 13 13-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	82.35	8.25
26 41 13 13-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	91.53	8.25
26 41 13 13-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	178.23	16.50

26 41 13 13-0015 Terminal Bases For Lightning Protection (26 41 13 13-0001)

26 41 13 13-0016 Copper Lightning Protection Terminal Bases (26 41 13 13-0015)

26 41 13 13-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	72.66	24.75
26 41 13 13-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	91.35	33.00
26 41 13 13-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	125.81	41.25
26 41 13 13-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	91.35	33.00
26 41 13 13-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	99.25	33.00
26 41 13 13-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	173.33	66.00
26 41 13 13-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	123.74	41.25
26 41 13 13-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	72.66	24.75

26 41 13 13-0025 Aluminum Lightning Protection Terminal Bases (26 41 13 13-0015)

26 41 13 13-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	64.44	24.75
26 41 13 13-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	87.41	33.00
26 41 13 13-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	117.96	41.25
26 41 13 13-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	87.71	33.00
26 41 13 13-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	91.93	33.00
26 41 13 13-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	166.54	66.00
26 41 13 13-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	114.84	41.25
26 41 13 13-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	64.44	24.75

26 41 13 13-0034 Connectors (26 41 13 13-0001)

26 41 13 13-0035 Copper Cable Connectors (26 41 13 13-0034)

26 41 13 13-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	146.71	41.25
26 41 13 13-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	194.66	66.00
26 41 13 13-0038	EA	Beam Connector For Copper Lightning Protection System.....	127.24	41.25
26 41 13 13-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	31.92	8.25
26 41 13 13-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	33.44	8.25
26 41 13 13-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	100.43	24.75

26 41 13 13-0042 Aluminum Cable Connectors (26 41 13 13-0034)

26 41 13 13-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	130.93	41.25
26 41 13 13-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	183.89	66.00
26 41 13 13-0045	EA	Beam Connector For Aluminum Lightning Protection System.....	121.88	41.25
26 41 13 13-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	29.17	8.25
26 41 13 13-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	86.22	24.75

26 41 13 13-0048 Bonding Plates (26 41 13 13-0001)

26 41 13 13-0049 Copper Bonding Plates (26 41 13 13-0048)

26 41 13 13-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	108.44	41.25
26 41 13 13-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	113.26	41.25
26 41 13 13-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System.....	165.60	66.00

26 41 13 13-0053 Aluminum Bonding Plates (26 41 13 13-0048)

26 41 13 13-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	102.28	41.25
26 41 13 13-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	107.11	41.25
26 41 13 13-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System.....	154.18	66.00

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 41 13 13-0057		Cable Supports (26 41 13 13-0001)		
26 41 13 13-0058		Copper Cable Supports (26 41 13 13-0057)		
26 41 13 13-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	18.97	8.25
26 41 13 13-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	19.37	8.25
26 41 13 13-0061		Aluminum Cable Supports (26 41 13 13-0057)		
26 41 13 13-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	18.65	8.25
26 41 13 13-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	18.52	8.25
26 41 13 13-0064		Bonding Straps (26 41 13 13-0001)		
26 41 13 13-0065		Copper Bonding Straps (26 41 13 13-0064)		
26 41 13 13-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	58.16	24.75
26 41 13 13-0067		Aluminum Bonding Straps (26 41 13 13-0064)		
26 41 13 13-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	54.18	24.75
26 41 13 13-0069		Accessories For Lightning Protection (26 41 13 13-0001) See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 13-0070		Copper Adapters (26 41 13 13-0069)		
26 41 13 13-0071	EA	Swivel Adapters For Copper Lightning Protection System.....	25.93	4.12
26 41 13 13-0072		Aluminum Adapters (26 41 13 13-0069)		
26 41 13 13-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	25.16	4.12
26 41 13 13-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	148.72	41.25

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001		25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	252.11	20.63
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	273.51	20.63
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	281.76	24.75
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	237.75	16.50
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	281.76	24.75
26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	357.55	20.63
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	378.02	24.75
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	369.77	20.63
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	378.02	24.75
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	437.00	20.63
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	457.48	24.75
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	410.42	16.50
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	457.48	24.75
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	519.51	20.63
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	584.30	24.75
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	494.46	16.50
26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	928.10	24.75
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	919.85	20.63
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	928.10	24.75
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,473.78	41.25
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	6,696.18	41.25
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression (26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		

26 Electrical

26 40 Electrical And Cathodic Protection

26 43 Surge Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0029			NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,345.70	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,787.58	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0032	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,031.44	144.38
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0033	EA		320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,381.53	165.01
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0034	EA		480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,899.57	226.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0035	EA		120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,539.25	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0036	EA		160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,000.20	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0037	EA		240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,359.93	144.38
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0038	EA		320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,808.15	165.01
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0039	EA		480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,557.89	226.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0040	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,539.25	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0041	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,000.20	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0042	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,359.93	144.38
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0043	EA		320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,808.15	165.01
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0044	EA		480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,557.89	226.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0045	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,732.81	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0046	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,215.56	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0047	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,691.12	144.38
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0048	EA		320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,237.54	165.01
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0049	EA		480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	15,218.89	226.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0050	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,957.70	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0051	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,439.12	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0052	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,037.32	144.38
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0053	EA		320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,687.32	165.01
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0054	EA		480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	14,975.56	226.89
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0055			NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,364.37	107.26
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0057	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,070.69	123.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,003.76 438.87 335.40	144.38
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,474.77 438.87 335.40	107.26
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,234.24 438.87 335.40	123.75
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,217.75 438.87 335.40	144.38
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,474.77 438.87 335.40	107.26
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,234.24 438.87 335.40	123.75
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,217.75 438.87 335.40	144.38
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,615.17 438.87 335.40	107.26
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,410.07 438.87 335.40	123.75
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,491.70 438.87 335.40	144.38
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,762.37 438.87 335.40	107.26
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,596.79 438.87 335.40	123.75
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,779.29 438.87 335.40	144.38
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,633.71 438.87 335.40	107.26
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,075.59 438.87 335.40	123.75
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,319.45 438.87 335.40	144.38
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,827.26 438.87 335.40	107.26
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,288.21 438.87 335.40	123.75
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,647.94 438.87 335.40	144.38
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,827.26 438.87 335.40	107.26
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,288.21 438.87 335.40	123.75
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,647.90 438.87 335.40	144.38
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,020.82 438.87 335.40	107.26
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,503.57 438.87 335.40	123.75
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,979.13 438.87 335.40	144.38
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,245.71 438.87 335.40	107.26
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,727.13 438.87 335.40	123.75
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	9,325.33 438.87 335.40	144.38

26 Electrical

26 40 Electrical And Cathodic Protection

26 43 Surge Protective Devices

MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 43 13 00-0087		NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
		Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,652.39 438.87 335.40	107.26
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,358.70 438.87 335.40	123.75
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,291.78 438.87 335.40	144.38
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,762.78 438.87 335.40	107.26
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,522.26 438.87 335.40	123.75
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,505.76 438.87 335.40	144.38
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,762.78 438.87 335.40	107.26
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,522.26 438.87 335.40	123.75
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,505.76 438.87 335.40	144.38
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,903.18 438.87 335.40	107.26
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,698.08 438.87 335.40	123.75
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	7,779.71 438.87 335.40	144.38
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,050.38 438.87 335.40	107.26
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,884.81 438.87 335.40	123.75
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	8,067.30 438.87 335.40	144.38
26 50 Lighting <small>(26)</small>				
Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.				
26 51 Interior Lighting <small>(26 50)</small>				
26 51 13 Incandescent Interior Lighting <small>(26 51)</small>				
26 51 13 00-0001		Recessed Fixtures <small>(26 51 13)</small>		
		Note: Housing and trim priced separately.		
26 51 13 00-0002		Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0001)</small>		
26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	61.55 0.65 3.36	23.60
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	61.55 0.65 3.36	23.60
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	65.45 0.71 3.65	24.75
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	69.49 0.77 3.96	25.82
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	73.55 0.83 4.27	26.90
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	74.63 0.79 4.09	28.54
26 51 13 00-0009		Recessed Fixture Trim <small>(26 51 13 00-0001)</small>		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim.....	49.59	11.55
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	55.50	11.55
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim.....	65.74	11.55
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	71.16	11.55
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	55.58	11.55
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	52.41	11.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0016	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	56.05	11.55
26 51 13 00-0017			Track Lighting <small>(26 51 13)</small>		
26 51 13 00-0018			Track Lighting Tracks <small>(26 51 13 00-0017)</small>		
26 51 13 00-0019	LF		1 Circuit Track Lighting Track.....	33.42	5.45
26 51 13 00-0020	LF		2 Circuit Track Lighting Track.....	45.63	5.45
26 51 13 00-0021	LF		3 Circuit Track Lighting Track.....	55.89	5.45
26 51 13 00-0022	LF		4 Circuit Track Lighting Track.....	66.13	6.60
26 51 13 00-0023			Incandescent Track Lighting Fixtures <small>(26 51 13 00-0017)</small>		
26 51 13 00-0024	EA		Incandescent Track Lighting Fixture.....	64.48	13.77
26 51 13 00-0025	EA		Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	74.82	13.77
26 51 13 00-0026	EA		Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	116.66	13.77
26 51 13 00-0027	EA		Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	120.81	13.77
26 51 13 00-0028	EA		PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	93.76	13.77
26 51 13 00-0029	EA		PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	74.82	13.77
26 51 13 00-0030	EA		PAR 30, Baffled Cylinder Track Fixture, White or Black Finish.....	91.77	13.77
			Note: 120V.		
26 51 13 00-0031	EA		PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	124.96	13.77
26 51 13 00-0032			Track Lighting Accessories <small>(26 51 13 00-0017)</small>		
26 51 13 00-0033			Pendant Mounting <small>(26 51 13 00-0032)</small>		
26 51 13 00-0034	EA		Track Lighting Pendant Mounting, Up to 12".....	22.05	
26 51 13 00-0035	EA		Track Lighting Pendant Mounting, >12" To 24".....	29.17	
26 51 13 00-0036	EA		Track Lighting Pendant Mounting, >24" To 36".....	35.83	
26 51 13 00-0037			Wet Location, Dust Resistant, Vapor Tight Fixtures <small>(26 51 13)</small>		
26 51 13 00-0038			Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 13 00-0037)</small>		
26 51 13 00-0039	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	114.12	33.00
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0040	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	134.52	33.00
			<i>For Wall Mounted, Add</i>	5.10	
26 51 16			Fluorescent Interior Lighting <small>(26 51)</small>		
26 51 16 00-0001			Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0003			Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron) <small>(26 51 16 00-0002)</small>		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0004	EA		4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	176.24	37.95
26 51 16 00-0005	EA		4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	184.47	37.95
26 51 16 00-0006	EA		4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	185.82	37.95
26 51 16 00-0007	EA		4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	196.58	37.95
26 51 16 00-0008	EA		4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	313.56	37.95
26 51 16 00-0009	EA		4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44).....	330.37	37.95
26 51 16 00-0010			Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0011			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0010)</small>		
26 51 16 00-0012	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	143.72	23.57
26 51 16 00-0013	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	162.02	23.57
26 51 16 00-0014			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0010)</small>		
26 51 16 00-0015	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	161.91	24.55
26 51 16 00-0016	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	180.76	24.55
26 51 16 00-0017			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0010)</small>		
26 51 16 00-0018	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	192.41	27.56
26 51 16 00-0019	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	229.02	27.56
26 51 16 00-0020			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0010)</small>		
26 51 16 00-0021	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	155.86	30.12
26 51 16 00-0022	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	181.54	30.12
26 51 16 00-0023			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0010)</small>		
26 51 16 00-0024	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	247.29	35.09

26 Electrical

26 50 Lighting

26 51 Interior Lighting

			TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
MINOR	CSI	UOM DESCRIPTION		
26 51	16 00-0025	EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	265.62	35.09
26 51	16 00-0026	EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	302.18	35.09
26 51	16 00-0027	Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
Note: Includes prismatic lens.				
26 51	16 00-0028	1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0027)</small>		
26 51	16 00-0029	EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	191.26	27.34
26 51	16 00-0030	EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	317.70	27.34
26 51	16 00-0031	EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	362.76	27.34
26 51	16 00-0032	2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0027)</small>		
26 51	16 00-0033	EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	308.39	30.12
26 51	16 00-0034	EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	337.39	30.12
26 51	16 00-0035	EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	358.15	30.12
26 51	16 00-0036	2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0027)</small>		
26 51	16 00-0037	EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	308.67	35.09
26 51	16 00-0038	EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	338.39	35.09
26 51	16 00-0039	EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	353.92	35.09
26 51	16 00-0040	EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	376.70	35.09
26 51	16 00-0041	4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0027)</small>		
26 51	16 00-0042	EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	621.24	45.19
26 51	16 00-0043	EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	628.19	45.19
26 51	16 00-0044	EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	504.45	45.19
26 51	16 00-0045	Recessed Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51	16 00-0046	Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51	16 00-0047	1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0046)</small>		
26 51	16 00-0048	EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	196.82	23.57
For Drywall Or Plaster Ceilings, Add			15.93	
26 51	16 00-0049	1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0046)</small>		
26 51	16 00-0050	EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	254.67	27.34
For Drywall Or Plaster Ceilings, Add			18.64	
26 51	16 00-0051	EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	470.11	27.34
For Drywall Or Plaster Ceilings, Add			18.64	
26 51	16 00-0052	2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0046)</small>		
26 51	16 00-0053	EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	260.28	30.12
For Drywall Or Plaster Ceilings, Add			20.34	
26 51	16 00-0054	EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	298.27	30.12
For Drywall Or Plaster Ceilings, Add			20.34	
26 51	16 00-0055	EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	302.23	30.12
For Drywall Or Plaster Ceilings, Add			20.34	
26 51	16 00-0056	EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	326.38	30.12
For Drywall Or Plaster Ceilings, Add			20.34	
26 51	16 00-0057	2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0046)</small>		
26 51	16 00-0058	EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	249.60	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0059	EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	347.69	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0060	EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	351.17	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0061	EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	390.87	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0062	EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	340.86	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0063	EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	467.15	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0064	EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	478.12	35.09
For Drywall Or Plaster Ceilings, Add			23.72	
26 51	16 00-0065	Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51	16 00-0066	1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0065)</small>		
26 51	16 00-0067	EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	229.26	23.57
For Drywall Or Plaster Ceilings, Add			15.93	
26 51	16 00-0068	EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	233.21	23.57
For Drywall Or Plaster Ceilings, Add			15.93	
26 51	16 00-0069	EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	273.55	23.57
For Drywall Or Plaster Ceilings, Add			15.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0070			1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0065)		
	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	259.51	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0072			EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	262.99	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0073			EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	296.36	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0074			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0065)		
	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	268.18	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0076			EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	272.13	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0077			EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	311.87	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0078			2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0065)		
	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	249.60	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0080			EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	291.43	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0081			EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	331.15	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0082			EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	374.50	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0083			Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0045)		
26 51 16 00-0084			1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0083)		
	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	487.75	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0086			EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	491.23	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0087			EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	581.32	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0088			EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	592.30	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0089			2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0083)		
	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture.....	388.58	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0091			EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	433.89	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0092			EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	533.52	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0093			2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0083)		
	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	433.38	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0095			EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	535.12	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0096			EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	572.06	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0097			EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	630.07	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0098			Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0045)		
26 51 16 00-0099			1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0098)		
	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture.....	381.16	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0101			EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	504.80	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
26 51 16 00-0102			2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0098)		
	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture.....	379.99	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0104			EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	435.28	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
26 51 16 00-0105			2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0098)		
	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture.....	421.69	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	
26 51 16 00-0107			EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	422.61	35.09
			<i>For Drywall Or Plaster Ceilings, Add</i>	23.72	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0108				Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0045)		
26 51 16 00-0109				1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0108)		
26 51 16 00-0110	EA			2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	353.88 18.64	27.34
26 51 16 00-0111				2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0108)		
26 51 16 00-0112	EA			2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	341.18 20.34	30.12
26 51 16 00-0113				2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0108)		
26 51 16 00-0114	EA			2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	410.00 23.72	35.09
26 51 16 00-0115	EA			3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	419.48 23.72	35.09
26 51 16 00-0116	EA			4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	469.57 23.72	35.09
26 51 16 00-0117				Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0045)		
26 51 16 00-0118				1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0117)		
26 51 16 00-0119	EA			2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	337.08 18.64	27.34
26 51 16 00-0120				2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0117)		
26 51 16 00-0121	EA			2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	340.78 20.34	30.12
26 51 16 00-0122				2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures ^(26 51 16 00-0117)		
26 51 16 00-0123	EA			2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	419.42 23.72	35.09
26 51 16 00-0124	EA			3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	426.17 23.72	35.09
26 51 16 00-0125	EA			4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	436.60 23.72	35.09
26 51 16 00-0126				Striplight Fluorescent Fixtures ^(26 51 16 00-0001)		
26 51 16 00-0127				1 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 16 00-0126)		
26 51 16 00-0128	EA			1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	145.87	22.59
26 51 16 00-0129	EA			2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	178.63	22.59
26 51 16 00-0130	EA			3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	175.87	25.08
26 51 16 00-0131	EA			4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	178.41	27.56
26 51 16 00-0132	EA			8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	217.02	32.65
26 51 16 00-0133				2 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 16 00-0126)		
26 51 16 00-0134	EA			2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	179.07	25.08
26 51 16 00-0135	EA			3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	184.33	27.56
26 51 16 00-0136	EA			4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	185.66	30.12
26 51 16 00-0137				3 Lamp Cross Section, Striplight Fluorescent Fixtures ^(26 51 16 00-0126)		
26 51 16 00-0138	EA			2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	261.26	25.08
26 51 16 00-0139	EA			3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	252.72	27.56
26 51 16 00-0140	EA			4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	252.83	30.12
26 51 16 00-0141				Industrial Fluorescent Fixtures ^(26 51 16 00-0001)		
26 51 16 00-0142				1 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 16 00-0141)		
26 51 16 00-0143	EA			2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	209.57	22.59
26 51 16 00-0144	EA			4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	220.17	27.56
26 51 16 00-0145	EA			8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	402.45	35.09
26 51 16 00-0146				2 Lamp Cross Section, Industrial Fluorescent Fixtures ^(26 51 16 00-0141)		
26 51 16 00-0147	EA			2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	217.28	25.08
26 51 16 00-0148	EA			4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	227.43	30.12
26 51 16 00-0149	EA			8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	409.40	35.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0150			3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)		
26 51 16 00-0151	EA		2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	226.69	25.08
26 51 16 00-0152	EA		4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	235.00	30.12
26 51 16 00-0153	EA		8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	354.48	35.09
26 51 16 00-0154			4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)		
26 51 16 00-0155	EA		4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	321.99	30.12
26 51 16 00-0156	EA		8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	470.61	35.09
26 51 16 00-0157			Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0158	EA		1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	109.59	20.34
26 51 16 00-0159	EA		1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	127.60	24.85
26 51 16 00-0160	EA		2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	125.52	24.85
26 51 16 00-0161	EA		1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	151.68	27.11
26 51 16 00-0162	EA		2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	176.33	31.63
26 51 16 00-0163			Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001) Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0164			2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0165	EA		1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	196.05	22.59
26 51 16 00-0166	EA		2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	219.04	22.59
26 51 16 00-0167			3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0168	EA		1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	224.52	23.73
26 51 16 00-0169	EA		2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	246.34	23.73
26 51 16 00-0170			4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0171	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	219.72	24.85
26 51 16 00-0172	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	241.20	24.85
26 51 16 00-0173			Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0174			Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0173) Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0175			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0176	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	200.51	37.95
26 51 16 00-0177	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	203.87	37.95
26 51 16 00-0178			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0179	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	270.10	37.95
26 51 16 00-0180	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	274.80	37.95
26 51 16 00-0181			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0182	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	281.42	37.95
26 51 16 00-0183	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	284.78	37.95
26 51 16 00-0184			Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0173) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0185			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0186	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	461.15	37.95
26 51 16 00-0187	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	464.51	37.95
26 51 16 00-0188			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0189	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	360.09	37.95
26 51 16 00-0190	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	364.78	37.95
26 51 16 00-0191			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0192	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	417.36	37.95
26 51 16 00-0193	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	420.72	37.95
26 51 16 00-0194			Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0173) Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0195			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		
26 51 16 00-0196	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	190.45	37.95
26 51 16 00-0197	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	193.82	37.95

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0198				3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		
26 51 16 00-0199	EA			1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	191.79	37.95
26 51 16 00-0200	EA			2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	196.49	37.95
26 51 16 00-0201				4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		
26 51 16 00-0202	EA			1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	182.75	37.95
26 51 16 00-0203	EA			2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	186.11	37.95
26 51 16 00-0204				Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0205	EA			1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	250.86	27.56
26 51 16 00-0206	EA			2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	254.63	30.12
26 51 16 00-0207				Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0001) Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0208				6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0209	EA			1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	189.66	23.57
26 51 16 00-0210	EA			2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	227.01	23.57
26 51 16 00-0211				6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0212	EA			1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	204.23	24.55
26 51 16 00-0213	EA			2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	244.10	24.55
26 51 16 00-0214				8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0215	EA			8-1/4" x 2', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	242.97	37.95
26 51 16 00-0216	EA			8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	254.73	37.95
26 51 16 00-0217				8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0218	EA			8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	278.26	37.95
26 51 16 00-0219	EA			8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	288.35	37.95
26 51 16 00-0220	EA			8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	301.79	37.95
26 51 16 00-0221				1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0222	EA			2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	231.96	26.06
26 51 16 00-0223	EA			3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	276.97	26.06
26 51 16 00-0224	EA			4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	298.00	26.06
26 51 16 00-0225				1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0207)		
26 51 16 00-0226	EA			2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	248.07	27.56
26 51 16 00-0227	EA			3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	295.93	27.56
26 51 16 00-0228	EA			4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	317.79	27.56
26 51 16 00-0229				Ceiling Mounted Fluorescent Fixtures (26 51 16)		
26 51 16 00-0230				Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0229)		
26 51 16 00-0231				Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0230)		
26 51 16 00-0232	EA			6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	117.34	33.00
26 51 16 00-0233	EA			9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	140.54	33.00
26 51 16 00-0234				Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0229)		
26 51 16 00-0235				Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0234)		
26 51 16 00-0236	EA			8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	98.12	33.00
26 51 16 00-0237	EA			12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	108.01	33.00
26 51 16 00-0238				Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0234)		
26 51 16 00-0239	EA			11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	148.09	33.00
26 51 16 00-0240	EA			14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	211.96	33.00
26 51 16 00-0241	EA			19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	256.21	33.00
26 51 16 00-0242	EA			12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	168.78	33.00
26 51 16 00-0243	EA			15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	213.27	33.00
26 51 16 00-0244	EA			19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	256.21	33.00
26 51 16 00-0245				Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0229)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0246			Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0245)</small>		
26 51 16 00-0247	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	151.48	33.00
26 51 16 00-0248	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	196.76	33.00
26 51 16 00-0249	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	236.52	33.00
26 51 16 00-0250	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	120.27	33.00
26 51 16 00-0251	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	144.63	33.00
26 51 16 00-0252	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	190.80	33.00
26 51 16 00-0253			Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0229)</small>		
26 51 16 00-0254			Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0253)</small>		
26 51 16 00-0255	EA		6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	238.99	27.11
26 51 16 00-0256			Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0253)</small>		
26 51 16 00-0257	EA		6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	274.31	27.11
26 51 16 00-0258	EA		8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	388.26	27.11
26 51 16 00-0259			Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0260	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	102.95	23.60
			<i>For Remodel T Housing, Add</i>	1.69	
			<i>For ICAT Housing, Add</i>	8.70	
26 51 16 00-0261	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	106.62	23.60
			<i>For Remodel T Housing, Add</i>	1.78	
			<i>For ICAT Housing, Add</i>	9.18	
26 51 16 00-0262	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	111.06	24.67
			<i>For Remodel T Housing, Add</i>	1.85	
			<i>For ICAT Housing, Add</i>	9.54	
26 51 16 00-0263	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	116.75	25.57
			<i>For Remodel T Housing, Add</i>	1.95	
			<i>For ICAT Housing, Add</i>	10.06	
26 51 16 00-0264	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	121.69	26.90
			<i>For Remodel T Housing, Add</i>	2.03	
			<i>For ICAT Housing, Add</i>	10.48	
26 51 16 00-0265	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	125.83	28.54
			<i>For Remodel T Housing, Add</i>	2.07	
			<i>For ICAT Housing, Add</i>	10.70	
26 51 16 00-0266			Compact Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0267	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	118.75	23.60
			<i>For Remodel T Housing, Add</i>	2.08	
			<i>For ICAT Housing, Add</i>	10.74	
26 51 16 00-0268	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	122.37	23.60
			<i>For Remodel T Housing, Add</i>	2.17	
			<i>For ICAT Housing, Add</i>	11.21	
26 51 16 00-0269	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	126.94	24.75
			<i>For Remodel T Housing, Add</i>	2.25	
			<i>For ICAT Housing, Add</i>	11.59	
26 51 16 00-0270	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	130.54	25.82
			<i>For Remodel T Housing, Add</i>	2.29	
			<i>For ICAT Housing, Add</i>	11.84	
26 51 16 00-0271	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	134.74	26.90
			<i>For Remodel T Housing, Add</i>	2.36	
			<i>For ICAT Housing, Add</i>	12.17	
26 51 16 00-0272	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	138.61	28.54
			<i>For Remodel T Housing, Add</i>	2.39	
			<i>For ICAT Housing, Add</i>	12.35	
26 51 16 00-0273			Fluorescent Track Lighting Fixtures <small>(26 51 16)</small>		
26 51 16 00-0274	EA		2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	366.29	13.77
26 51 16 00-0275	EA		2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	376.67	13.77
26 51 16 00-0276	EA		2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	331.82	13.77
26 51 16 00-0277	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	427.25	13.77
26 51 16 00-0278			Compact Fluorescent Track Lighting Fixtures <small>(26 51 16)</small>		
26 51 16 00-0279	EA		Compact Fluorescent Track Lighting Fixture.....	76.40	13.77
26 51 16 00-0280			Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 16)</small>		
26 51 16 00-0281	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	124.65 6.02	33.00

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0282	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	128.66 6.02	33.00
26 51 16 00-0283	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	138.58 6.02	33.00
26 51 16 00-0284		Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0285		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0284)</small>		
26 51 16 00-0286		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) <small>(26 51 16 00-0285)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0287	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	237.06 21.11	35.09
26 51 16 00-0288	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	248.05 22.37	35.09
26 51 16 00-0289	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	397.13 39.43	35.09
26 51 16 00-0290	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	341.65	35.09
26 51 16 00-0291	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	558.24	35.09
26 51 16 00-0292		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 16 00-0285)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0293	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	250.80	35.09
26 51 16 00-0294	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	253.24	35.09
26 51 16 00-0295	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	370.65	35.09
26 51 16 00-0296	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	307.71	35.09
26 51 16 00-0297	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	321.83	35.09
26 51 16 00-0298		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0284)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0299		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 16 00-0298)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0300	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) <i>For T5 Fixture Instead Of T8, Add</i>	456.03 44.02	47.68
26 51 16 00-0301	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) <i>For T5 Fixture Instead Of T8, Add</i>	472.81 45.94	47.68
26 51 16 00-0302		High Bay Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0303		(T8) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0302)</small>		
26 51 16 00-0304		(T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 16 00-0303)</small> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0305	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	346.68 40.50 47.75 54.00	76.82
26 51 16 00-0306	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	361.80 40.50 47.75 54.00	85.11
26 51 16 00-0307	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	409.34 40.50 47.75 54.00	97.15
26 51 16 00-0308	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	491.05 40.50 47.75 54.00	102.35
26 51 16 00-0309	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	533.04 40.50 47.75 54.00	107.10
26 51 16 00-0310	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	340.98 40.50 47.75 54.00	97.15
26 51 16 00-0311	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	355.47 40.50 47.75 54.00	102.35
26 51 16 00-0312	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	411.03 40.50 47.75 54.00	107.10
26 51 16 00-0313		(T5HO) Fluorescent, High Bay Fixtures <small>(26 51 16 00-0302)</small>		

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 16 00-0314	(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0313)			
	Note: For 8' fixture, use two (2) 4' fixtures.			
26 51 16 00-0315	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	353.81	76.82
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0316	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	370.59	85.11
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0317	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	422.37	97.15
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0318	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	514.12	102.35
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0319	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	370.29	97.15
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0320	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	410.86	102.35
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0321	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	487.42	107.10
		For Wire Guard, Add	40.50	
		For Polycarbonate Lens, Add	47.75	
		For Acrylic Lens, Add	54.00	
26 51 16 00-0322	Fluorescent Linear High Bay (Lightron) (26 51 16 00-0302)			
	Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.			
26 51 16 00-0323	EA	4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	282.66	37.95
26 51 16 00-0324	EA	4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	339.48	37.95
26 51 16 00-0325	EA	4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	383.53	37.95
26 51 16 00-0326	EA	4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	456.16	37.95
26 51 16 00-0327	EA	4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	633.68	37.95

26 51 19 LED Interior Lighting (26 51)

26 51 19 00-0001	LED Fixtures (26 51 19)			
26 51 19 00-0002	Undercabinet LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	114.68	20.34
		For >50 To 100, Deduct	-3.71	
		For >100 To 250, Deduct	-6.58	
		For >250 To 500, Deduct	-11.47	
		For >500, Deduct	-16.35	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	144.01	24.85
		For >50 To 100, Deduct	-4.64	
		For >100 To 250, Deduct	-8.24	
		For >250 To 500, Deduct	-14.40	
		For >500, Deduct	-20.57	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	152.88	24.85
		For >50 To 100, Deduct	-4.86	
		For >100 To 250, Deduct	-8.68	
		For >250 To 500, Deduct	-15.29	
		For >500, Deduct	-21.90	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	112.04	20.34
		For >50 To 100, Deduct	-3.65	
		For >100 To 250, Deduct	-6.45	
		For >250 To 500, Deduct	-11.20	
		For >500, Deduct	-15.96	
26 51 19 00-0007	Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0008	Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)			
26 51 19 00-0009	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1).....	179.25	22.59
		For >50 To 100, Deduct	-5.33	
		For >100 To 250, Deduct	-9.81	
		For >250 To 500, Deduct	-17.93	
		For >500, Deduct	-26.04	
26 51 19 00-0010	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1).....	186.78	27.56
		For >50 To 100, Deduct	-5.71	
		For >100 To 250, Deduct	-10.37	
		For >250 To 500, Deduct	-18.68	
		For >500, Deduct	-26.98	
26 51 19 00-0011	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2).....	203.66	22.59
		For >50 To 100, Deduct	-5.94	
		For >100 To 250, Deduct	-11.03	
		For >250 To 500, Deduct	-20.37	
		For >500, Deduct	-29.70	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0012	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	211.19	27.56
			<i>For >50 To 100, Deduct</i>	-6.32	
			<i>For >100 To 250, Deduct</i>	-11.60	
			<i>For >250 To 500, Deduct</i>	-21.12	
			<i>For >500, Deduct</i>	-30.64	
26 51	19 00-0013	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	268.20	27.56
			<i>For >50 To 100, Deduct</i>	-7.74	
			<i>For >100 To 250, Deduct</i>	-14.45	
			<i>For >250 To 500, Deduct</i>	-26.82	
			<i>For >500, Deduct</i>	-39.19	
26 51	19 00-0014		Striplight LED Fixtures (Mobern) <small>(26 51 19 00-0007)</small>		
26 51	19 00-0015	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	151.50	22.59
			<i>For >50 To 100, Deduct</i>	-4.63	
			<i>For >100 To 250, Deduct</i>	-8.42	
			<i>For >250 To 500, Deduct</i>	-15.15	
			<i>For >500, Deduct</i>	-21.88	
26 51	19 00-0016		Striplight LED Fixtures (Eaton) <small>(26 51 19 00-0007)</small>		
26 51	19 00-0017	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	192.73	27.56
			<i>For >50 To 100, Deduct</i>	-5.85	
			<i>For >100 To 250, Deduct</i>	-10.67	
			<i>For >250 To 500, Deduct</i>	-19.27	
			<i>For >500, Deduct</i>	-27.87	
26 51	19 00-0018	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	181.69	27.56
			<i>For >50 To 100, Deduct</i>	-5.58	
			<i>For >100 To 250, Deduct</i>	-10.12	
			<i>For >250 To 500, Deduct</i>	-18.17	
			<i>For >500, Deduct</i>	-26.22	
26 51	19 00-0019	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	192.73	27.56
			<i>For >50 To 100, Deduct</i>	-5.85	
			<i>For >100 To 250, Deduct</i>	-10.67	
			<i>For >250 To 500, Deduct</i>	-19.27	
			<i>For >500, Deduct</i>	-27.87	
26 51	19 00-0020		Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51	19 00-0021		Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
26 51	19 00-0022		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0021)</small>		
26 51	19 00-0023	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	409.16	27.34
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	30.81	
			<i>For >50 To 100, Deduct</i>	-11.26	
			<i>For >100 To 250, Deduct</i>	-21.49	
			<i>For >250 To 500, Deduct</i>	-40.92	
			<i>For >500, Deduct</i>	-60.34	
26 51	19 00-0024	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	282.85	30.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	20.34	
			<i>For >50 To 100, Deduct</i>	-8.20	
			<i>For >100 To 250, Deduct</i>	-15.27	
			<i>For >250 To 500, Deduct</i>	-28.29	
			<i>For >500, Deduct</i>	-41.30	
26 51	19 00-0025	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	412.55	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	33.81	
			<i>For >50 To 100, Deduct</i>	-11.63	
			<i>For >100 To 250, Deduct</i>	-21.95	
			<i>For >250 To 500, Deduct</i>	-41.26	
			<i>For >500, Deduct</i>	-60.56	
26 51	19 00-0026		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 19 00-0021)</small>		
26 51	19 00-0027	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	590.09	27.34
			<i>For >50 To 100, Deduct</i>	-15.79	
			<i>For >100 To 250, Deduct</i>	-30.54	
			<i>For >250 To 500, Deduct</i>	-59.01	
			<i>For >500, Deduct</i>	-87.48	
26 51	19 00-0028	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	414.23	30.12
			<i>For >50 To 100, Deduct</i>	-11.49	
			<i>For >100 To 250, Deduct</i>	-21.84	
			<i>For >250 To 500, Deduct</i>	-41.42	
			<i>For >500, Deduct</i>	-61.00	
26 51	19 00-0029	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	539.95	35.09
			<i>For >50 To 100, Deduct</i>	-14.82	
			<i>For >100 To 250, Deduct</i>	-28.32	
			<i>For >250 To 500, Deduct</i>	-54.00	
			<i>For >500, Deduct</i>	-79.67	
26 51	19 00-0030		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 19 00-0021)</small>		
26 51	19 00-0031	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	272.29	30.12
			<i>For >50 To 100, Deduct</i>	-7.94	
			<i>For >100 To 250, Deduct</i>	-14.74	
			<i>For >250 To 500, Deduct</i>	-27.23	
			<i>For >500, Deduct</i>	-39.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0032	EA		3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	301.59	30.12
			<i>For >50 To 100, Deduct</i>	-8.67	
			<i>For >100 To 250, Deduct</i>	-16.21	
			<i>For >250 To 500, Deduct</i>	-30.16	
			<i>For >500, Deduct</i>	-44.11	
26 51 19 00-0033	EA		3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	256.17	30.12
			<i>For >50 To 100, Deduct</i>	-7.53	
			<i>For >100 To 250, Deduct</i>	-13.94	
			<i>For >250 To 500, Deduct</i>	-25.62	
			<i>For >500, Deduct</i>	-37.30	
26 51 19 00-0034	EA		4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	256.17	30.12
			<i>For >50 To 100, Deduct</i>	-7.53	
			<i>For >100 To 250, Deduct</i>	-13.94	
			<i>For >250 To 500, Deduct</i>	-25.62	
			<i>For >500, Deduct</i>	-37.30	
26 51 19 00-0035	EA		4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	275.22	30.12
			<i>For >50 To 100, Deduct</i>	-8.01	
			<i>For >100 To 250, Deduct</i>	-14.89	
			<i>For >250 To 500, Deduct</i>	-27.52	
			<i>For >500, Deduct</i>	-40.15	
26 51 19 00-0036			Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0037			Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0036)		
26 51 19 00-0038	EA		1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	261.06	27.34
			<i>For Drywall Or Plaster Ceilings, Add</i>	18.64	
			<i>For >50 To 100, Deduct</i>	-7.56	
			<i>For >100 To 250, Deduct</i>	-14.09	
			<i>For >250 To 500, Deduct</i>	-26.11	
			<i>For >500, Deduct</i>	-38.12	
26 51 19 00-0039	EA		2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	231.65	30.12
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	22.88	
			<i>For >50 To 100, Deduct</i>	-6.92	
			<i>For >100 To 250, Deduct</i>	-12.71	
			<i>For >250 To 500, Deduct</i>	-23.17	
			<i>For >500, Deduct</i>	-33.62	
26 51 19 00-0040	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	292.64	30.12
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	25.93	
			<i>For >50 To 100, Deduct</i>	-8.45	
			<i>For >100 To 250, Deduct</i>	-15.76	
			<i>For >250 To 500, Deduct</i>	-29.26	
			<i>For >500, Deduct</i>	-42.77	
26 51 19 00-0041	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	235.89	30.12
			<i>For >50 To 100, Deduct</i>	-7.03	
			<i>For >100 To 250, Deduct</i>	-12.92	
			<i>For >250 To 500, Deduct</i>	-23.59	
			<i>For >500, Deduct</i>	-34.25	
26 51 19 00-0042	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	257.89	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	26.07	
			<i>For >50 To 100, Deduct</i>	-7.77	
			<i>For >100 To 250, Deduct</i>	-14.21	
			<i>For >250 To 500, Deduct</i>	-25.79	
			<i>For >500, Deduct</i>	-37.37	
26 51 19 00-0043	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	272.36	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	26.80	
			<i>For >50 To 100, Deduct</i>	-8.13	
			<i>For >100 To 250, Deduct</i>	-14.94	
			<i>For >250 To 500, Deduct</i>	-27.24	
			<i>For >500, Deduct</i>	-39.54	
26 51 19 00-0044	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	353.80	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	30.87	
			<i>For >50 To 100, Deduct</i>	-10.16	
			<i>For >100 To 250, Deduct</i>	-19.01	
			<i>For >250 To 500, Deduct</i>	-35.38	
			<i>For >500, Deduct</i>	-51.75	
26 51 19 00-0045			Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0046			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0045)		
			Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0047	EA		2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	319.94	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	29.18	
			<i>For >50 To 100, Deduct</i>	-9.32	
			<i>For >100 To 250, Deduct</i>	-17.32	
			<i>For >250 To 500, Deduct</i>	-31.99	
			<i>For >500, Deduct</i>	-46.67	
26 51 19 00-0048	EA		4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	378.11	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	32.09	
			<i>For >50 To 100, Deduct</i>	-10.77	
			<i>For >100 To 250, Deduct</i>	-20.22	
			<i>For >250 To 500, Deduct</i>	-37.81	
			<i>For >500, Deduct</i>	-55.40	
26 51 19 00-0049	EA		6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	430.47	35.09
			<i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i>	34.70	
			<i>For >50 To 100, Deduct</i>	-12.08	
			<i>For >100 To 250, Deduct</i>	-22.84	
			<i>For >250 To 500, Deduct</i>	-43.05	
			<i>For >500, Deduct</i>	-63.25	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0050			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0045) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0051	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) 333.32	35.09	
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 101.33		
			<i>For Surface Mount, Add</i> 181.97		
			<i>For >50 To 100, Deduct</i> -9.65		
			<i>For >100 To 250, Deduct</i> -17.98		
			<i>For >250 To 500, Deduct</i> -33.33		
			<i>For >500, Deduct</i> -48.68		
26 51 19 00-0052	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) 360.18	35.09	
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 101.33		
			<i>For Surface Mount, Add</i> 181.97		
			<i>For >50 To 100, Deduct</i> -10.32		
			<i>For >100 To 250, Deduct</i> -19.33		
			<i>For >250 To 500, Deduct</i> -36.02		
			<i>For >500, Deduct</i> -52.71		
26 51 19 00-0053	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) 360.18	35.09	
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 101.33		
			<i>For Surface Mount, Add</i> 181.97		
			<i>For >50 To 100, Deduct</i> -10.32		
			<i>For >100 To 250, Deduct</i> -19.33		
			<i>For >250 To 500, Deduct</i> -36.02		
			<i>For >500, Deduct</i> -52.71		
26 51 19 00-0054	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) 399.84	35.09	
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 101.33		
			<i>For Surface Mount, Add</i> 181.97		
			<i>For >50 To 100, Deduct</i> -11.31		
			<i>For >100 To 250, Deduct</i> -21.31		
			<i>For >250 To 500, Deduct</i> -39.98		
			<i>For >500, Deduct</i> -58.66		
26 51 19 00-0055	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) 310.59	30.12	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 88.69		
			<i>For Surface Mount, Add</i> 171.51		
			<i>For >50 To 100, Deduct</i> -8.89		
			<i>For >100 To 250, Deduct</i> -16.66		
			<i>For >250 To 500, Deduct</i> -31.06		
			<i>For >500, Deduct</i> -45.46		
26 51 19 00-0056	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) 292.53	30.12	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 88.69		
			<i>For Surface Mount, Add</i> 171.51		
			<i>For >50 To 100, Deduct</i> -8.44		
			<i>For >100 To 250, Deduct</i> -15.76		
			<i>For >250 To 500, Deduct</i> -29.25		
			<i>For >500, Deduct</i> -42.75		
26 51 19 00-0057	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) 348.22	35.09	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 103.89		
			<i>For Surface Mount, Add</i> 198.60		
			<i>For >50 To 100, Deduct</i> -10.02		
			<i>For >100 To 250, Deduct</i> -18.73		
			<i>For >250 To 500, Deduct</i> -34.82		
			<i>For >500, Deduct</i> -50.92		
26 51 19 00-0058	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) 360.18	35.09	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 103.89		
			<i>For Surface Mount, Add</i> 198.60		
			<i>For >50 To 100, Deduct</i> -10.32		
			<i>For >100 To 250, Deduct</i> -19.33		
			<i>For >250 To 500, Deduct</i> -36.02		
			<i>For >500, Deduct</i> -52.71		
26 51 19 00-0059	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) 360.18	35.09	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 103.89		
			<i>For Surface Mount, Add</i> 198.60		
			<i>For >50 To 100, Deduct</i> -10.32		
			<i>For >100 To 250, Deduct</i> -19.33		
			<i>For >250 To 500, Deduct</i> -36.02		
			<i>For >500, Deduct</i> -52.71		
26 51 19 00-0060	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) 461.25	35.09	
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i> 3.58		
			<i>For Drywall Or Plaster Ceilings, Add</i> 103.89		
			<i>For Surface Mount, Add</i> 198.60		
			<i>For >50 To 100, Deduct</i> -12.85		
			<i>For >100 To 250, Deduct</i> -24.38		
			<i>For >250 To 500, Deduct</i> -46.13		
			<i>For >500, Deduct</i> -67.87		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0061	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	399.84 3.58 103.89 198.60 -11.31 -21.31 -39.98 -58.66	35.09
26 51 19 00-0062			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0045) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0063	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	231.58 -6.92 -12.71 -23.16 -33.61	30.12
26 51 19 00-0064	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	309.44 -9.05 -16.79 -30.94 -45.10	35.09
26 51 19 00-0065			Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0045) Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066	EA		2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	272.92 -7.95 -14.78 -27.29 -39.81	30.12
26 51 19 00-0067	EA		2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	370.45 -10.58 -19.84 -37.05 -54.25	35.39
26 51 19 00-0068			Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0069			Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0068)		
26 51 19 00-0070	EA		2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... For Drywall Or Plaster Ceilings, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	434.19 20.34 -11.98 -22.84 -43.42 -64.00	30.12
26 51 19 00-0071	EA		2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... For Drywall Or Plaster Ceilings With Frame Kit, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	592.82 42.82 -16.14 -30.96 -59.28 -87.61	35.09
26 51 19 00-0072			Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0073			Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0072)		
26 51 19 00-0074	EA		1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	295.35 -8.70 -16.09 -29.54 -42.98	35.09
26 51 19 00-0075	EA		2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	306.97 -8.99 -16.67 -30.70 -44.73	35.09
26 51 19 00-0076	EA		2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	383.98 -10.92 -20.52 -38.40 -56.28	35.09
26 51 19 00-0077	EA		2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	383.98 -10.92 -20.52 -38.40 -56.28	35.09
26 51 19 00-0078			Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0072)		
26 51 19 00-0079	EA		1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)..... For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	154.94 38.19 -5.19 -9.07 -15.49 -21.92	35.09

26 Electrical

26 50 Lighting

26 51 Interior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0080	EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	159.92	35.09
	<i>For >50 To 100, Deduct</i>	-5.32	
	<i>For >100 To 250, Deduct</i>	-9.31	
	<i>For >250 To 500, Deduct</i>	-15.99	
	<i>For >500, Deduct</i>	-22.67	
26 51 19 00-0081	EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	162.20	35.09
	<i>For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)</i>	47.73	
	<i>For >50 To 100, Deduct</i>	-5.37	
	<i>For >100 To 250, Deduct</i>	-9.43	
	<i>For >250 To 500, Deduct</i>	-16.22	
	<i>For >500, Deduct</i>	-23.01	
26 51 19 00-0082	EA 2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH).....	377.32	35.09
	<i>For >50 To 100, Deduct</i>	-10.75	
	<i>For >100 To 250, Deduct</i>	-20.18	
	<i>For >250 To 500, Deduct</i>	-37.73	
	<i>For >500, Deduct</i>	-55.28	
26 51 19 00-0083 Surface Mount LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0084 Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0083)			
26 51 19 00-0085	EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	283.66	22.59
	<i>For >50 To 100, Deduct</i>	-7.94	
	<i>For >100 To 250, Deduct</i>	-15.03	
	<i>For >250 To 500, Deduct</i>	-28.37	
	<i>For >500, Deduct</i>	-41.70	
26 51 19 00-0086	EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	300.97	27.56
	<i>For >50 To 100, Deduct</i>	-8.56	
	<i>For >100 To 250, Deduct</i>	-16.08	
	<i>For >250 To 500, Deduct</i>	-30.10	
	<i>For >500, Deduct</i>	-44.11	
26 51 19 00-0087	EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	285.07	27.56
	<i>For >50 To 100, Deduct</i>	-8.16	
	<i>For >100 To 250, Deduct</i>	-15.29	
	<i>For >250 To 500, Deduct</i>	-28.51	
	<i>For >500, Deduct</i>	-41.73	
26 51 19 00-0088 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0083)			
26 51 19 00-0089	EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	187.58	22.59
	<i>For >50 To 100, Deduct</i>	-5.54	
	<i>For >100 To 250, Deduct</i>	-10.23	
	<i>For >250 To 500, Deduct</i>	-18.76	
	<i>For >500, Deduct</i>	-27.29	
26 51 19 00-0090	EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	246.43	27.56
	<i>For >50 To 100, Deduct</i>	-7.20	
	<i>For >100 To 250, Deduct</i>	-13.36	
	<i>For >250 To 500, Deduct</i>	-24.64	
	<i>For >500, Deduct</i>	-35.93	
26 51 19 00-0091 Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0083)			
26 51 19 00-0092 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0091)			
26 51 19 00-0093	EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	557.68	30.12
	<i>For >50 To 100, Deduct</i>	-15.07	
	<i>For >100 To 250, Deduct</i>	-29.01	
	<i>For >250 To 500, Deduct</i>	-55.77	
	<i>For >500, Deduct</i>	-82.52	
26 51 19 00-0094	EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	716.31	35.09
	<i>For >50 To 100, Deduct</i>	-19.23	
	<i>For >100 To 250, Deduct</i>	-37.13	
	<i>For >250 To 500, Deduct</i>	-71.63	
	<i>For >500, Deduct</i>	-106.13	
26 51 19 00-0095 Surface Mount, Low Profile Fixtures (26 51 19 00-0083)			
26 51 19 00-0096	EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	72.91	20.68
	<i>For >50 To 100, Deduct</i>	-2.86	
	<i>For >100 To 250, Deduct</i>	-4.68	
	<i>For >250 To 500, Deduct</i>	-7.29	
	<i>For >500, Deduct</i>	-9.90	
26 51 19 00-0097	EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	59.21	20.68
	<i>For >50 To 100, Deduct</i>	-2.51	
	<i>For >100 To 250, Deduct</i>	-3.99	
	<i>For >250 To 500, Deduct</i>	-5.92	
	<i>For >500, Deduct</i>	-7.85	
26 51 19 00-0098	EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	101.67	20.68
	<i>For >50 To 100, Deduct</i>	-3.58	
	<i>For >100 To 250, Deduct</i>	-6.12	
	<i>For >250 To 500, Deduct</i>	-10.17	
	<i>For >500, Deduct</i>	-14.22	
26 51 19 00-0099	EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	123.60	20.68
	<i>For >50 To 100, Deduct</i>	-4.12	
	<i>For >100 To 250, Deduct</i>	-7.21	
	<i>For >250 To 500, Deduct</i>	-12.36	
	<i>For >500, Deduct</i>	-17.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0100			Recessed LED Downlights <small>(26 51 19 00-0001)</small>		
26 51 19 00-0101			Recessed LED Downlights <small>(26 51 19 00-0100)</small>		
26 51 19 00-0102			Recessed LED Downlights (Lithonia) <small>(26 51 19 00-0100)</small> Note: Includes housing and trim.		
26 51 19 00-0103	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	319.35	36.30
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	69.42	
			<i>For >50 To 100, Deduct</i>	-9.35	
			<i>For >100 To 250, Deduct</i>	-17.33	
			<i>For >250 To 500, Deduct</i>	-31.94	
			<i>For >500, Deduct</i>	-46.54	
26 51 19 00-0104	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	348.44	36.30
			<i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	69.42	
			<i>For >50 To 100, Deduct</i>	-10.07	
			<i>For >100 To 250, Deduct</i>	-18.78	
			<i>For >250 To 500, Deduct</i>	-34.84	
			<i>For >500, Deduct</i>	-50.90	
26 51 19 00-0105			Recessed LED Downlights (Portfolio®) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0106	EA		4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	195.63	36.30
			<i>For >50 To 100, Deduct</i>	-6.25	
			<i>For >100 To 250, Deduct</i>	-11.14	
			<i>For >250 To 500, Deduct</i>	-19.56	
			<i>For >500, Deduct</i>	-27.98	
26 51 19 00-0107			Recessed LED Downlights (Gotham® EVO®) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0108	EA		6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	246.69	36.30
			<i>For >50 To 100, Deduct</i>	-7.53	
			<i>For >100 To 250, Deduct</i>	-13.70	
			<i>For >250 To 500, Deduct</i>	-24.67	
			<i>For >500, Deduct</i>	-35.64	
26 51 19 00-0109	EA		6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	255.11	36.30
			<i>For >50 To 100, Deduct</i>	-7.74	
			<i>For >100 To 250, Deduct</i>	-14.12	
			<i>For >250 To 500, Deduct</i>	-25.51	
			<i>For >500, Deduct</i>	-36.91	
26 51 19 00-0110	EA		6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	289.63	36.30
			<i>For >50 To 100, Deduct</i>	-8.60	
			<i>For >100 To 250, Deduct</i>	-15.84	
			<i>For >250 To 500, Deduct</i>	-28.96	
			<i>For >500, Deduct</i>	-42.08	
26 51 19 00-0111	EA		6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	293.01	36.30
			<i>For >50 To 100, Deduct</i>	-8.69	
			<i>For >100 To 250, Deduct</i>	-16.01	
			<i>For >250 To 500, Deduct</i>	-29.30	
			<i>For >500, Deduct</i>	-42.59	
26 51 19 00-0112	EA		6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	322.48	36.30
			<i>For >50 To 100, Deduct</i>	-9.42	
			<i>For >100 To 250, Deduct</i>	-17.49	
			<i>For >250 To 500, Deduct</i>	-32.25	
			<i>For >500, Deduct</i>	-47.01	
26 51 19 00-0113			Recessed LED Downlights (Lightolier) <small>(26 51 19 00-0101)</small> Note: Includes housing and trim.		
26 51 19 00-0114	EA		4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	416.28	36.30
			<i>For >50 To 100, Deduct</i>	-11.77	
			<i>For >100 To 250, Deduct</i>	-22.18	
			<i>For >250 To 500, Deduct</i>	-41.63	
			<i>For >500, Deduct</i>	-61.08	
26 51 19 00-0115	EA		4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	488.83	36.30
			<i>For >50 To 100, Deduct</i>	-13.58	
			<i>For >100 To 250, Deduct</i>	-25.80	
			<i>For >250 To 500, Deduct</i>	-48.88	
			<i>For >500, Deduct</i>	-71.96	
26 51 19 00-0116	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	525.02	36.30
			<i>For >50 To 100, Deduct</i>	-14.49	
			<i>For >100 To 250, Deduct</i>	-27.61	
			<i>For >250 To 500, Deduct</i>	-52.50	
			<i>For >500, Deduct</i>	-77.39	
26 51 19 00-0117	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	525.02	36.30
			<i>For >50 To 100, Deduct</i>	-14.49	
			<i>For >100 To 250, Deduct</i>	-27.61	
			<i>For >250 To 500, Deduct</i>	-52.50	
			<i>For >500, Deduct</i>	-77.39	
26 51 19 00-0118	EA		7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	543.20	36.30
			<i>For >50 To 100, Deduct</i>	-14.94	
			<i>For >100 To 250, Deduct</i>	-28.52	
			<i>For >250 To 500, Deduct</i>	-54.32	
			<i>For >500, Deduct</i>	-80.12	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0119	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	561.39	36.30
			For >50 To 100, Deduct	-15.40	
			For >100 To 250, Deduct	-29.43	
			For >250 To 500, Deduct	-56.14	
			For >500, Deduct	-82.85	
26 51	19 00-0120		Recessed LED Downlights (Cooper) <small>(26 51 19 00-0101)</small>		
26 51	19 00-0121	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827).....	135.87	36.30
			For >50 To 100, Deduct	-4.76	
			For >100 To 250, Deduct	-8.16	
			For >250 To 500, Deduct	-13.59	
			For >500, Deduct	-19.02	
26 51	19 00-0122	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830).....	135.87	36.30
			For >50 To 100, Deduct	-4.76	
			For >100 To 250, Deduct	-8.16	
			For >250 To 500, Deduct	-13.59	
			For >500, Deduct	-19.02	
26 51	19 00-0123	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835).....	135.87	36.30
			For >50 To 100, Deduct	-4.76	
			For >100 To 250, Deduct	-8.16	
			For >250 To 500, Deduct	-13.59	
			For >500, Deduct	-19.02	
26 51	19 00-0124	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840).....	135.87	36.30
			For >50 To 100, Deduct	-4.76	
			For >100 To 250, Deduct	-8.16	
			For >250 To 500, Deduct	-13.59	
			For >500, Deduct	-19.02	
26 51	19 00-0125	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827).....	138.90	36.30
			For >50 To 100, Deduct	-4.83	
			For >100 To 250, Deduct	-8.31	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.47	
26 51	19 00-0126	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830).....	138.90	36.30
			For >50 To 100, Deduct	-4.83	
			For >100 To 250, Deduct	-8.31	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.47	
26 51	19 00-0127	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835).....	138.90	36.30
			For >50 To 100, Deduct	-4.83	
			For >100 To 250, Deduct	-8.31	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.47	
26 51	19 00-0128	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840).....	138.90	36.30
			For >50 To 100, Deduct	-4.83	
			For >100 To 250, Deduct	-8.31	
			For >250 To 500, Deduct	-13.89	
			For >500, Deduct	-19.47	
26 51	19 00-0129	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827).....	180.01	36.30
			For >50 To 100, Deduct	-5.86	
			For >100 To 250, Deduct	-10.36	
			For >250 To 500, Deduct	-18.00	
			For >500, Deduct	-25.64	
26 51	19 00-0130	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830).....	177.92	36.30
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-10.26	
			For >250 To 500, Deduct	-17.79	
			For >500, Deduct	-25.33	
26 51	19 00-0131	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835).....	177.92	36.30
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-10.26	
			For >250 To 500, Deduct	-17.79	
			For >500, Deduct	-25.33	
26 51	19 00-0132	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840).....	177.92	36.30
			For >50 To 100, Deduct	-5.81	
			For >100 To 250, Deduct	-10.26	
			For >250 To 500, Deduct	-17.79	
			For >500, Deduct	-25.33	
26 51	19 00-0133	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB).....	90.48	11.55
			For >50 To 100, Deduct	-2.70	
			For >100 To 250, Deduct	-4.96	
			For >250 To 500, Deduct	-9.05	
			For >500, Deduct	-13.14	
26 51	19 00-0134	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC).....	52.85	11.55
			For >50 To 100, Deduct	-1.75	
			For >100 To 250, Deduct	-3.08	
			For >250 To 500, Deduct	-5.29	
			For >500, Deduct	-7.49	
26 51	19 00-0135	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H).....	69.05	11.55
			For >50 To 100, Deduct	-2.16	
			For >100 To 250, Deduct	-3.89	
			For >250 To 500, Deduct	-6.91	
			For >500, Deduct	-9.92	
26 51	19 00-0136	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W).....	56.11	11.55
			For >50 To 100, Deduct	-1.84	
			For >100 To 250, Deduct	-3.24	
			For >250 To 500, Deduct	-5.61	
			For >500, Deduct	-7.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	42.88	11.55
			For >50 To 100, Deduct	-1.51	
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.29	
			For >500, Deduct	-6.00	
26 51	19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	55.53	11.55
			For >50 To 100, Deduct	-1.82	
			For >100 To 250, Deduct	-3.21	
			For >250 To 500, Deduct	-5.55	
			For >500, Deduct	-7.90	
26 51	19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	63.23	11.55
			For >50 To 100, Deduct	-2.01	
			For >100 To 250, Deduct	-3.59	
			For >250 To 500, Deduct	-6.32	
			For >500, Deduct	-9.05	
26 51	19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	70.10	11.55
			For >50 To 100, Deduct	-2.19	
			For >100 To 250, Deduct	-3.94	
			For >250 To 500, Deduct	-7.01	
			For >500, Deduct	-10.08	
26 51	19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	83.50	11.55
			For >50 To 100, Deduct	-2.52	
			For >100 To 250, Deduct	-4.61	
			For >250 To 500, Deduct	-8.35	
			For >500, Deduct	-12.09	
26 51	19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	83.93	11.55
			For >50 To 100, Deduct	-2.53	
			For >100 To 250, Deduct	-4.63	
			For >250 To 500, Deduct	-8.39	
			For >500, Deduct	-12.16	
26 51	19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	82.01	11.55
			For >50 To 100, Deduct	-2.48	
			For >100 To 250, Deduct	-4.53	
			For >250 To 500, Deduct	-8.20	
			For >500, Deduct	-11.87	
26 51	19 00-0144	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	104.01	11.55
			For >50 To 100, Deduct	-3.03	
			For >100 To 250, Deduct	-5.63	
			For >250 To 500, Deduct	-10.40	
			For >500, Deduct	-15.17	
26 51	19 00-0145	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	43.35	11.55
			For >50 To 100, Deduct	-1.52	
			For >100 To 250, Deduct	-2.60	
			For >250 To 500, Deduct	-4.34	
			For >500, Deduct	-6.07	
26 51	19 00-0146	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB).....	87.26	11.55
			For >50 To 100, Deduct	-2.61	
			For >100 To 250, Deduct	-4.80	
			For >250 To 500, Deduct	-8.73	
			For >500, Deduct	-12.66	
26 51	19 00-0147	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	72.45	11.55
			For >50 To 100, Deduct	-2.24	
			For >100 To 250, Deduct	-4.06	
			For >250 To 500, Deduct	-7.25	
			For >500, Deduct	-10.43	
26 51	19 00-0148	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	67.26	11.55
			For >50 To 100, Deduct	-2.11	
			For >100 To 250, Deduct	-3.80	
			For >250 To 500, Deduct	-6.73	
			For >500, Deduct	-9.66	
26 51	19 00-0149	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	58.70	11.55
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-3.37	
			For >250 To 500, Deduct	-5.87	
			For >500, Deduct	-8.37	
26 51	19 00-0150	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	59.31	11.55
			For >50 To 100, Deduct	-1.92	
			For >100 To 250, Deduct	-3.40	
			For >250 To 500, Deduct	-5.93	
			For >500, Deduct	-8.46	
26 51	19 00-0151	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	64.81	11.55
			For >50 To 100, Deduct	-2.05	
			For >100 To 250, Deduct	-3.67	
			For >250 To 500, Deduct	-6.48	
			For >500, Deduct	-9.29	
26 51	19 00-0152	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	58.36	11.55
			For >50 To 100, Deduct	-1.89	
			For >100 To 250, Deduct	-3.35	
			For >250 To 500, Deduct	-5.84	
			For >500, Deduct	-8.32	
26 51	19 00-0153	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	75.89	11.55
			For >50 To 100, Deduct	-2.33	
			For >100 To 250, Deduct	-4.23	
			For >250 To 500, Deduct	-7.59	
			For >500, Deduct	-10.95	
26 51	19 00-0154	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	83.28	11.55
			For >50 To 100, Deduct	-2.52	
			For >100 To 250, Deduct	-4.60	
			For >250 To 500, Deduct	-8.33	
			For >500, Deduct	-12.06	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

Table with 3 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various electrical items like LED Directional Trim, Wall Wash, and Ceiling fixtures with their respective costs.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0173	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....		82.41	24.75
		<i>For >50 To 100, Deduct</i>		-2.99	
		<i>For >100 To 250, Deduct</i>		-5.05	
		<i>For >250 To 500, Deduct</i>		-8.24	
		<i>For >500, Deduct</i>		-11.43	
26 51 19 00-0174	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UIC).....		75.67	24.75
		<i>For >50 To 100, Deduct</i>		-2.82	
		<i>For >100 To 250, Deduct</i>		-4.71	
		<i>For >250 To 500, Deduct</i>		-7.57	
		<i>For >500, Deduct</i>		-10.42	
26 51 19 00-0175	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)		76.45	24.75
		<i>For >50 To 100, Deduct</i>		-2.84	
		<i>For >100 To 250, Deduct</i>		-4.75	
		<i>For >250 To 500, Deduct</i>		-7.65	
		<i>For >500, Deduct</i>		-10.54	
26 51 19 00-0176	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....		80.96	24.75
		<i>For >50 To 100, Deduct</i>		-2.95	
		<i>For >100 To 250, Deduct</i>		-4.98	
		<i>For >250 To 500, Deduct</i>		-8.10	
		<i>For >500, Deduct</i>		-11.22	
26 51 19 00-0177	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....		80.96	24.75
		<i>For >50 To 100, Deduct</i>		-2.95	
		<i>For >100 To 250, Deduct</i>		-4.98	
		<i>For >250 To 500, Deduct</i>		-8.10	
		<i>For >500, Deduct</i>		-11.22	
26 51 19 00-0178	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....		80.96	24.75
		<i>For >50 To 100, Deduct</i>		-2.95	
		<i>For >100 To 250, Deduct</i>		-4.98	
		<i>For >250 To 500, Deduct</i>		-8.10	
		<i>For >500, Deduct</i>		-11.22	
26 51 19 00-0179	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....		80.96	24.75
		<i>For >50 To 100, Deduct</i>		-2.95	
		<i>For >100 To 250, Deduct</i>		-4.98	
		<i>For >250 To 500, Deduct</i>		-8.10	
		<i>For >500, Deduct</i>		-11.22	
26 51 19 00-0180	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)		80.96	24.75
		<i>For >50 To 100, Deduct</i>		-2.95	
		<i>For >100 To 250, Deduct</i>		-4.98	
		<i>For >250 To 500, Deduct</i>		-8.10	
		<i>For >500, Deduct</i>		-11.22	
26 51 19 00-0181	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)		69.17	24.75
		<i>For >50 To 100, Deduct</i>		-2.66	
		<i>For >100 To 250, Deduct</i>		-4.39	
		<i>For >250 To 500, Deduct</i>		-6.92	
		<i>For >500, Deduct</i>		-9.45	
26 51 19 00-0182	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)		69.17	24.75
		<i>For >50 To 100, Deduct</i>		-2.66	
		<i>For >100 To 250, Deduct</i>		-4.39	
		<i>For >250 To 500, Deduct</i>		-6.92	
		<i>For >500, Deduct</i>		-9.45	
26 51 19 00-0183	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)		69.17	24.75
		<i>For >50 To 100, Deduct</i>		-2.66	
		<i>For >100 To 250, Deduct</i>		-4.39	
		<i>For >250 To 500, Deduct</i>		-6.92	
		<i>For >500, Deduct</i>		-9.45	
26 51 19 00-0184	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....		69.17	24.75
		<i>For >50 To 100, Deduct</i>		-2.66	
		<i>For >100 To 250, Deduct</i>		-4.39	
		<i>For >250 To 500, Deduct</i>		-6.92	
		<i>For >500, Deduct</i>		-9.45	
26 51 19 00-0185	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R).....		69.17	24.75
		<i>For >50 To 100, Deduct</i>		-2.66	
		<i>For >100 To 250, Deduct</i>		-4.39	
		<i>For >250 To 500, Deduct</i>		-6.92	
		<i>For >500, Deduct</i>		-9.45	
26 51 19 00-0186	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)		70.03	24.75
		<i>For >50 To 100, Deduct</i>		-2.68	
		<i>For >100 To 250, Deduct</i>		-4.43	
		<i>For >250 To 500, Deduct</i>		-7.00	
		<i>For >500, Deduct</i>		-9.58	
26 51 19 00-0187	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....		83.27	24.75
		<i>For >50 To 100, Deduct</i>		-3.01	
		<i>For >100 To 250, Deduct</i>		-5.09	
		<i>For >250 To 500, Deduct</i>		-8.33	
		<i>For >500, Deduct</i>		-11.56	
26 51 19 00-0188	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)		70.03	24.75
		<i>For >50 To 100, Deduct</i>		-2.68	
		<i>For >100 To 250, Deduct</i>		-4.43	
		<i>For >250 To 500, Deduct</i>		-7.00	
		<i>For >500, Deduct</i>		-9.58	
26 51 19 00-0189	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)		79.53	24.75
		<i>For >50 To 100, Deduct</i>		-2.92	
		<i>For >100 To 250, Deduct</i>		-4.90	
		<i>For >250 To 500, Deduct</i>		-7.95	
		<i>For >500, Deduct</i>		-11.00	
26 51 19 00-0190	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....		64.66	24.75
		<i>For >50 To 100, Deduct</i>		-2.54	
		<i>For >100 To 250, Deduct</i>		-4.16	
		<i>For >250 To 500, Deduct</i>		-6.47	
		<i>For >500, Deduct</i>		-8.77	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0191	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	65.96	24.75
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100 To 250, Deduct</i>	-4.23	
			<i>For >250 To 500, Deduct</i>	-6.60	
			<i>For >500, Deduct</i>	-8.97	
26 51	19 00-0192	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	75.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.52	
			<i>For >500, Deduct</i>	-10.35	
26 51	19 00-0193	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	75.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.52	
			<i>For >500, Deduct</i>	-10.35	
26 51	19 00-0194	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	75.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.52	
			<i>For >500, Deduct</i>	-10.35	
26 51	19 00-0195	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	75.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.52	
			<i>For >500, Deduct</i>	-10.35	
26 51	19 00-0196	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	75.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.81	
			<i>For >100 To 250, Deduct</i>	-4.69	
			<i>For >250 To 500, Deduct</i>	-7.52	
			<i>For >500, Deduct</i>	-10.35	
26 51	19 00-0197	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	69.83	11.55
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100 To 250, Deduct</i>	-3.92	
			<i>For >250 To 500, Deduct</i>	-6.98	
			<i>For >500, Deduct</i>	-10.04	
26 51	19 00-0198	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	72.52	11.55
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100 To 250, Deduct</i>	-4.06	
			<i>For >250 To 500, Deduct</i>	-7.25	
			<i>For >500, Deduct</i>	-10.44	
26 51	19 00-0199	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	58.80	24.75
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100 To 250, Deduct</i>	-3.87	
			<i>For >250 To 500, Deduct</i>	-5.88	
			<i>For >500, Deduct</i>	-7.89	
26 51	19 00-0200	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	59.13	24.75
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100 To 250, Deduct</i>	-3.88	
			<i>For >250 To 500, Deduct</i>	-5.91	
			<i>For >500, Deduct</i>	-7.94	
26 51	19 00-0201	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	53.54	24.75
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100 To 250, Deduct</i>	-3.61	
			<i>For >250 To 500, Deduct</i>	-5.35	
			<i>For >500, Deduct</i>	-7.10	
26 51	19 00-0202	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	56.29	24.75
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100 To 250, Deduct</i>	-3.74	
			<i>For >250 To 500, Deduct</i>	-5.63	
			<i>For >500, Deduct</i>	-7.52	
26 51	19 00-0203	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	55.38	24.75
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100 To 250, Deduct</i>	-3.70	
			<i>For >250 To 500, Deduct</i>	-5.54	
			<i>For >500, Deduct</i>	-7.38	
26 51	19 00-0204	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	56.22	24.75
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100 To 250, Deduct</i>	-3.74	
			<i>For >250 To 500, Deduct</i>	-5.62	
			<i>For >500, Deduct</i>	-7.50	
26 51	19 00-0205	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	68.00	24.75
			<i>For >50 To 100, Deduct</i>	-2.63	
			<i>For >100 To 250, Deduct</i>	-4.33	
			<i>For >250 To 500, Deduct</i>	-6.80	
			<i>For >500, Deduct</i>	-9.27	
26 51	19 00-0206	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	68.63	24.75
			<i>For >50 To 100, Deduct</i>	-2.64	
			<i>For >100 To 250, Deduct</i>	-4.36	
			<i>For >250 To 500, Deduct</i>	-6.86	
			<i>For >500, Deduct</i>	-9.37	
26 51	19 00-0207	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	71.79	24.75
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100 To 250, Deduct</i>	-4.52	
			<i>For >250 To 500, Deduct</i>	-7.18	
			<i>For >500, Deduct</i>	-9.84	
26 51	19 00-0208	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	74.01	24.75
			<i>For >50 To 100, Deduct</i>	-2.78	
			<i>For >100 To 250, Deduct</i>	-4.63	
			<i>For >250 To 500, Deduct</i>	-7.40	
			<i>For >500, Deduct</i>	-10.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0209	EA		5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	83.76	24.75
			<i>For >50 To 100, Deduct</i>	-3.02	
			<i>For >100 To 250, Deduct</i>	-5.12	
			<i>For >250 To 500, Deduct</i>	-8.38	
			<i>For >500, Deduct</i>	-11.64	
26 51 19 00-0210 Recessed LED Downlights (Maxlite DLR) <small>(26 51 19 00-0101)</small>					
26 51 19 00-0211	EA		4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	120.51	36.30
			<i>For >50 To 100, Deduct</i>	-4.37	
			<i>For >100 To 250, Deduct</i>	-7.39	
			<i>For >250 To 500, Deduct</i>	-12.05	
			<i>For >500, Deduct</i>	-16.72	
26 51 19 00-0212	EA		4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	122.21	36.30
			<i>For >50 To 100, Deduct</i>	-4.42	
			<i>For >100 To 250, Deduct</i>	-7.47	
			<i>For >250 To 500, Deduct</i>	-12.22	
			<i>For >500, Deduct</i>	-16.97	
26 51 19 00-0213	EA		4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	127.29	36.30
			<i>For >50 To 100, Deduct</i>	-4.54	
			<i>For >100 To 250, Deduct</i>	-7.73	
			<i>For >250 To 500, Deduct</i>	-12.73	
			<i>For >500, Deduct</i>	-17.73	
26 51 19 00-0214	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	117.12	36.30
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100 To 250, Deduct</i>	-7.22	
			<i>For >250 To 500, Deduct</i>	-11.71	
			<i>For >500, Deduct</i>	-16.21	
26 51 19 00-0215	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	117.12	36.30
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100 To 250, Deduct</i>	-7.22	
			<i>For >250 To 500, Deduct</i>	-11.71	
			<i>For >500, Deduct</i>	-16.21	
26 51 19 00-0216	EA		6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	117.12	36.30
			<i>For >50 To 100, Deduct</i>	-4.29	
			<i>For >100 To 250, Deduct</i>	-7.22	
			<i>For >250 To 500, Deduct</i>	-11.71	
			<i>For >500, Deduct</i>	-16.21	
26 51 19 00-0217	EA		8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	127.29	36.30
			<i>For >50 To 100, Deduct</i>	-4.54	
			<i>For >100 To 250, Deduct</i>	-7.73	
			<i>For >250 To 500, Deduct</i>	-12.73	
			<i>For >500, Deduct</i>	-17.73	
26 51 19 00-0218	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	128.98	36.30
			<i>For >50 To 100, Deduct</i>	-4.59	
			<i>For >100 To 250, Deduct</i>	-7.81	
			<i>For >250 To 500, Deduct</i>	-12.90	
			<i>For >500, Deduct</i>	-17.99	
26 51 19 00-0219	EA		8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	132.36	36.30
			<i>For >50 To 100, Deduct</i>	-4.67	
			<i>For >100 To 250, Deduct</i>	-7.98	
			<i>For >250 To 500, Deduct</i>	-13.24	
			<i>For >500, Deduct</i>	-18.49	
26 51 19 00-0220	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	142.52	36.30
			<i>For >50 To 100, Deduct</i>	-4.92	
			<i>For >100 To 250, Deduct</i>	-8.49	
			<i>For >250 To 500, Deduct</i>	-14.25	
			<i>For >500, Deduct</i>	-20.02	
26 51 19 00-0221	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	156.08	36.30
			<i>For >50 To 100, Deduct</i>	-5.26	
			<i>For >100 To 250, Deduct</i>	-9.17	
			<i>For >250 To 500, Deduct</i>	-15.61	
			<i>For >500, Deduct</i>	-22.05	
26 51 19 00-0222 Recessed LED Downlight Retrofits And Trim (CREE®) <small>(26 51 19 00-0100)</small>					
26 51 19 00-0223 Recessed LED Downlight Retrofits (CREE®) <small>(26 51 19 00-0222)</small>					
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.					
26 51 19 00-0224	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	76.32	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100 To 250, Deduct</i>	-4.33	
			<i>For >250 To 500, Deduct</i>	-7.63	
			<i>For >500, Deduct</i>	-10.93	
26 51 19 00-0225	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	67.29	
			<i>For >50 To 100, Deduct</i>	-2.20	
			<i>For >100 To 250, Deduct</i>	-3.88	
			<i>For >250 To 500, Deduct</i>	-6.73	
			<i>For >500, Deduct</i>	-9.58	
26 51 19 00-0226	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	85.35	
			<i>For >50 To 100, Deduct</i>	-2.65	
			<i>For >100 To 250, Deduct</i>	-4.78	
			<i>For >250 To 500, Deduct</i>	-8.54	
			<i>For >500, Deduct</i>	-12.29	
26 51 19 00-0227	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	95.88	
			<i>For >50 To 100, Deduct</i>	-2.91	
			<i>For >100 To 250, Deduct</i>	-5.31	
			<i>For >250 To 500, Deduct</i>	-9.59	
			<i>For >500, Deduct</i>	-13.87	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0228	EA 6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	104.91	
	<i>For >50 To 100, Deduct</i>	-3.14	
	<i>For >100 To 250, Deduct</i>	-5.76	
	<i>For >250 To 500, Deduct</i>	-10.49	
	<i>For >500, Deduct</i>	-15.22	
26 51 19 00-0229	Recessed LED Downlight Retrofit Trim (CREE®) <small>(26 51 19 00-0222)</small>		
	Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0230	EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofit (Cree® CT6AX).....	27.42	5.78
	<i>For >50 To 100, Deduct</i>	-1.00	
	<i>For >100 To 250, Deduct</i>	-1.68	
	<i>For >250 To 500, Deduct</i>	-2.74	
	<i>For >500, Deduct</i>	-3.80	
26 51 19 00-0231	EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofit (Cree® LT6AP).....	33.45	5.78
	<i>For >50 To 100, Deduct</i>	-1.15	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-3.35	
	<i>For >500, Deduct</i>	-4.71	
26 51 19 00-0232	EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofit (Cree® CT6BB).....	28.93	5.78
	<i>For >50 To 100, Deduct</i>	-1.03	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.89	
	<i>For >500, Deduct</i>	-4.03	
26 51 19 00-0233	Recessed LED Downlight Fixture Housings (CREE®) <small>(26 51 19 00-0222)</small>		
	Note: Excludes lamp and trim.		
26 51 19 00-0234	EA 6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	73.26	24.75
	<i>For >50 To 100, Deduct</i>	-2.76	
	<i>For >100 To 250, Deduct</i>	-4.59	
	<i>For >250 To 500, Deduct</i>	-7.33	
	<i>For >500, Deduct</i>	-10.06	
26 51 19 00-0235	EA 6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	52.17	24.75
	<i>For >50 To 100, Deduct</i>	-2.23	
	<i>For >100 To 250, Deduct</i>	-3.54	
	<i>For >250 To 500, Deduct</i>	-5.22	
	<i>For >500, Deduct</i>	-6.90	
26 51 19 00-0236	Can Retrofit Or Surface Mount, LED Downlights <small>(26 51 19 00-0100)</small>		
26 51 19 00-0237	EA 6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	77.63	22.59
	<i>For >50 To 100, Deduct</i>	-2.79	
	<i>For >100 To 250, Deduct</i>	-4.73	
	<i>For >250 To 500, Deduct</i>	-7.76	
	<i>For >500, Deduct</i>	-10.80	
26 51 19 00-0238	EA 4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D).....	60.63	22.59
	<i>For >50 To 100, Deduct</i>	-2.36	
	<i>For >100 To 250, Deduct</i>	-3.88	
	<i>For >250 To 500, Deduct</i>	-6.06	
	<i>For >500, Deduct</i>	-8.25	
26 51 19 00-0239	EA 6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D).....	60.63	22.59
	<i>For >50 To 100, Deduct</i>	-2.36	
	<i>For >100 To 250, Deduct</i>	-3.88	
	<i>For >250 To 500, Deduct</i>	-6.06	
	<i>For >500, Deduct</i>	-8.25	
26 51 19 00-0240	EA 6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	94.23	22.59
	<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	34.19	
	<i>For >50 To 100, Deduct</i>	-3.20	
	<i>For >100 To 250, Deduct</i>	-5.56	
	<i>For >250 To 500, Deduct</i>	-9.42	
	<i>For >500, Deduct</i>	-13.29	
26 51 19 00-0241	EA 4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840).....	46.60	22.59
	<i>For >50 To 100, Deduct</i>	-2.01	
	<i>For >100 To 250, Deduct</i>	-3.18	
	<i>For >250 To 500, Deduct</i>	-4.66	
	<i>For >500, Deduct</i>	-6.14	
26 51 19 00-0242	EA 5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	51.71	22.59
	<i>For >50 To 100, Deduct</i>	-2.14	
	<i>For >100 To 250, Deduct</i>	-3.43	
	<i>For >250 To 500, Deduct</i>	-5.17	
	<i>For >500, Deduct</i>	-6.91	
26 51 19 00-0243	EA 6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM).....	632.70	22.59
	<i>For >50 To 100, Deduct</i>	-16.66	
	<i>For >100 To 250, Deduct</i>	-32.48	
	<i>For >250 To 500, Deduct</i>	-63.27	
	<i>For >500, Deduct</i>	-94.06	
26 51 19 00-0244	Wall Mount LED Cylinder Downlight <small>(26 51 19 00-0001)</small>		
26 51 19 00-0245	EA 9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	330.85	35.09
	<i>For >50 To 100, Deduct</i>	-9.59	
	<i>For >100 To 250, Deduct</i>	-17.86	
	<i>For >250 To 500, Deduct</i>	-33.09	
	<i>For >500, Deduct</i>	-48.31	
26 51 19 00-0246	Wall Sconce And Wall Wash LED Fixtures <small>(26 51 19 00-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0247			LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0246)		
26 51 19 00-0248	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	362.30	33.00
			For >50 To 100, Deduct	-10.30	
			For >100 To 250, Deduct	-19.35	
			For >250 To 500, Deduct	-36.23	
			For >500, Deduct	-53.11	
26 51 19 00-0249			LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0246)		
26 51 19 00-0250	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	200.96	33.00
			For >50 To 100, Deduct	-6.26	
			For >100 To 250, Deduct	-11.29	
			For >250 To 500, Deduct	-20.10	
			For >500, Deduct	-28.91	
26 51 19 00-0251			LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0246)		
26 51 19 00-0252	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VN7S071009L30ENBN).....	109.56	33.00
			For >50 To 100, Deduct	-3.98	
			For >100 To 250, Deduct	-6.72	
			For >250 To 500, Deduct	-10.96	
			For >500, Deduct	-15.20	
26 51 19 00-0253	EA		5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	102.05	33.00
			For >50 To 100, Deduct	-3.79	
			For >100 To 250, Deduct	-6.34	
			For >250 To 500, Deduct	-10.21	
			For >500, Deduct	-14.07	
26 51 19 00-0254			Concealed Continuous LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0255			Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0254)		
26 51 19 00-0256	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301).....	494.85	3.76
			For >50 To 100, Deduct	-12.56	
			For >100 To 250, Deduct	-24.93	
			For >250 To 500, Deduct	-49.49	
			For >500, Deduct	-74.04	
26 51 19 00-0257	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	564.24	3.76
			For >50 To 100, Deduct	-14.29	
			For >100 To 250, Deduct	-28.40	
			For >250 To 500, Deduct	-56.42	
			For >500, Deduct	-84.45	
26 51 19 00-0258			Low Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0259			LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0258)		
26 51 19 00-0260	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	251.13	45.19
			For >50 To 100, Deduct	-8.16	
			For >100 To 250, Deduct	-14.44	
			For >250 To 500, Deduct	-25.11	
			For >500, Deduct	-35.79	
26 51 19 00-0261	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A).....	341.97	45.19
			For >50 To 100, Deduct	-10.43	
			For >100 To 250, Deduct	-18.98	
			For >250 To 500, Deduct	-34.20	
			For >500, Deduct	-49.41	
26 51 19 00-0262	EA		8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A).....	570.32	56.48
			For >50 To 100, Deduct	-16.61	
			For >100 To 250, Deduct	-30.87	
			For >250 To 500, Deduct	-57.03	
			For >500, Deduct	-83.19	
26 51 19 00-0263			LED Low Bay Fixtures (CREE®) (26 51 19 00-0258)		
26 51 19 00-0264			LED Low Bay Fixtures (CREE® LS) (26 51 19 00-0263) Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0265	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	224.99	45.19
			For >50 To 100, Deduct	-7.51	
			For >100 To 250, Deduct	-13.13	
			For >250 To 500, Deduct	-22.50	
			For >500, Deduct	-31.87	
26 51 19 00-0266	EA		2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	240.34	45.19
			For >50 To 100, Deduct	-7.89	
			For >100 To 250, Deduct	-13.90	
			For >250 To 500, Deduct	-24.03	
			For >500, Deduct	-34.17	
26 51 19 00-0267	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	231.39	45.19
			For >50 To 100, Deduct	-7.67	
			For >100 To 250, Deduct	-13.45	
			For >250 To 500, Deduct	-23.14	
			For >500, Deduct	-32.83	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0268	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V).....	246.74	45.19
			For >50 To 100, Deduct	-8.05	
			For >100 To 250, Deduct	-14.22	
			For >250 To 500, Deduct	-24.67	
			For >500, Deduct	-35.13	
26 51 19 00-0269	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V).....	258.25	45.19
			For >50 To 100, Deduct	-8.34	
			For >100 To 250, Deduct	-14.80	
			For >250 To 500, Deduct	-25.83	
			For >500, Deduct	-36.85	
26 51 19 00-0270	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V).....	273.60	45.19
			For >50 To 100, Deduct	-8.72	
			For >100 To 250, Deduct	-15.56	
			For >250 To 500, Deduct	-27.36	
			For >500, Deduct	-39.16	
26 51 19 00-0271	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V).....	362.80	56.48
			For >50 To 100, Deduct	-11.42	
			For >100 To 250, Deduct	-20.49	
			For >250 To 500, Deduct	-36.28	
			For >500, Deduct	-52.07	
26 51 19 00-0272	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V).....	390.94	56.48
			For >50 To 100, Deduct	-12.13	
			For >100 To 250, Deduct	-21.90	
			For >250 To 500, Deduct	-39.09	
			For >500, Deduct	-56.29	
26 51 19 00-0273	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V).....	449.79	56.48
			For >50 To 100, Deduct	-13.60	
			For >100 To 250, Deduct	-24.84	
			For >250 To 500, Deduct	-44.98	
			For >500, Deduct	-65.12	
26 51 19 00-0274	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V).....	465.14	56.48
			For >50 To 100, Deduct	-13.98	
			For >100 To 250, Deduct	-25.61	
			For >250 To 500, Deduct	-46.51	
			For >500, Deduct	-67.42	
26 51 19 00-0275			LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0263) Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0276	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	509.00	45.19
			For >50 To 100, Deduct	-14.61	
			For >100 To 250, Deduct	-27.33	
			For >250 To 500, Deduct	-50.90	
			For >500, Deduct	-74.47	
26 51 19 00-0277	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	572.97	45.19
			For >50 To 100, Deduct	-16.21	
			For >100 To 250, Deduct	-30.53	
			For >250 To 500, Deduct	-57.30	
			For >500, Deduct	-84.06	
26 51 19 00-0278			LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0263) Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0279	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	492.72	45.19
			For >50 To 100, Deduct	-14.20	
			For >100 To 250, Deduct	-26.52	
			For >250 To 500, Deduct	-49.27	
			For >500, Deduct	-72.03	
26 51 19 00-0280	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	612.39	56.48
			For >50 To 100, Deduct	-17.66	
			For >100 To 250, Deduct	-32.97	
			For >250 To 500, Deduct	-61.24	
			For >500, Deduct	-89.51	
26 51 19 00-0281	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	779.45	56.48
			For >50 To 100, Deduct	-21.84	
			For >100 To 250, Deduct	-41.33	
			For >250 To 500, Deduct	-77.95	
			For >500, Deduct	-114.56	
26 51 19 00-0282			Accessories For LED Low Bay Fixtures (CREE®) (26 51 19 00-0263)		
26 51 19 00-0283	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	43.26	12.41
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-4.33	
			For >500, Deduct	-5.97	
26 51 19 00-0284	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	47.78	12.41
			For >50 To 100, Deduct	-1.71	
			For >100 To 250, Deduct	-2.91	
			For >250 To 500, Deduct	-4.78	
			For >500, Deduct	-6.65	
26 51 19 00-0285	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	35.72	12.41
			For >50 To 100, Deduct	-1.41	
			For >100 To 250, Deduct	-2.30	
			For >250 To 500, Deduct	-3.57	
			For >500, Deduct	-4.84	

	Electrical 26	26
	Lighting 26 50	
	Interior Lighting 26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0286 EA Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	28.20	12.41
For >50 To 100, Deduct	-1.22	
For >100 To 250, Deduct	-1.93	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.71	
26 51 19 00-0287 EA Solid Reflector, Pair (Cree® LS4-SR).....	95.93	12.41
For >50 To 100, Deduct	-2.92	
For >100 To 250, Deduct	-5.31	
For >250 To 500, Deduct	-9.59	
For >500, Deduct	-13.87	
26 51 19 00-0288 EA Solid Reflector, Pair (Cree® LS8-SR).....	133.57	12.41
For >50 To 100, Deduct	-3.86	
For >100 To 250, Deduct	-7.20	
For >250 To 500, Deduct	-13.36	
For >500, Deduct	-19.52	
26 51 19 00-0289 EA 5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	47.78	12.41
For >50 To 100, Deduct	-1.71	
For >100 To 250, Deduct	-2.91	
For >250 To 500, Deduct	-4.78	
For >500, Deduct	-6.65	
26 51 19 00-0290 EA 5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	68.85	12.41
For >50 To 100, Deduct	-2.24	
For >100 To 250, Deduct	-3.96	
For >250 To 500, Deduct	-6.89	
For >500, Deduct	-9.81	
26 51 19 00-0291 EA 5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	53.79	12.41
For >50 To 100, Deduct	-1.86	
For >100 To 250, Deduct	-3.21	
For >250 To 500, Deduct	-5.38	
For >500, Deduct	-7.55	
26 51 19 00-0292 EA 5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	73.36	12.41
For >50 To 100, Deduct	-2.35	
For >100 To 250, Deduct	-4.19	
For >250 To 500, Deduct	-7.34	
For >500, Deduct	-10.49	
26 51 19 00-0293 EA 5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	77.88	12.41
For >50 To 100, Deduct	-2.46	
For >100 To 250, Deduct	-4.41	
For >250 To 500, Deduct	-7.79	
For >500, Deduct	-11.17	
26 51 19 00-0294 EA 5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	65.83	12.41
For >50 To 100, Deduct	-2.16	
For >100 To 250, Deduct	-3.81	
For >250 To 500, Deduct	-6.58	
For >500, Deduct	-9.36	
26 51 19 00-0295 EA 5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	100.45	12.41
For >50 To 100, Deduct	-3.03	
For >100 To 250, Deduct	-5.54	
For >250 To 500, Deduct	-10.05	
For >500, Deduct	-14.55	
26 51 19 00-0296 EA Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	50.78	12.41
For >50 To 100, Deduct	-1.79	
For >100 To 250, Deduct	-3.06	
For >250 To 500, Deduct	-5.08	
For >500, Deduct	-7.10	
26 51 19 00-0297 EA Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	62.82	12.41
For >50 To 100, Deduct	-2.09	
For >100 To 250, Deduct	-3.66	
For >250 To 500, Deduct	-6.28	
For >500, Deduct	-8.91	
26 51 19 00-0298 EA Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	47.78	12.41
For >50 To 100, Deduct	-1.71	
For >100 To 250, Deduct	-2.91	
For >250 To 500, Deduct	-4.78	
For >500, Deduct	-6.65	
26 51 19 00-0299 EA Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	985.86	30.12
For >50 To 100, Deduct	-25.78	
For >100 To 250, Deduct	-50.42	
For >250 To 500, Deduct	-98.59	
For >500, Deduct	-146.75	
26 51 19 00-0300 EA 120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	346.20	30.12
For >50 To 100, Deduct	-9.78	
For >100 To 250, Deduct	-18.44	
For >250 To 500, Deduct	-34.62	
For >500, Deduct	-50.80	
26 51 19 00-0301 LED Linear Low Bay Fixtures (Lithonia MSL) <small>(26 51 19 00-0258)</small>		
Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0302 EA 4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	671.45	45.19
For >50 To 100, Deduct	-18.67	
For >100 To 250, Deduct	-35.46	
For >250 To 500, Deduct	-67.15	
For >500, Deduct	-98.83	
26 51 19 00-0303 High Bay LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0304 LED High Bay Fixtures (Cree) <small>(26 51 19 00-0303)</small>		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0305			LED High Bay Fixtures (CREE®) (26 51 19 00-0304)		
26 51 19 00-0306	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	599.38	82.85
			For >50 To 100, Deduct	-19.13	
			For >100 To 250, Deduct	-34.11	
			For >250 To 500, Deduct	-59.94	
			For >500, Deduct	-85.76	
26 51 19 00-0307	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	722.57	82.85
			For >50 To 100, Deduct	-22.21	
			For >100 To 250, Deduct	-40.27	
			For >250 To 500, Deduct	-72.26	
			For >500, Deduct	-104.24	
26 51 19 00-0308	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	662.37	82.85
			For >50 To 100, Deduct	-20.70	
			For >100 To 250, Deduct	-37.26	
			For >250 To 500, Deduct	-66.24	
			For >500, Deduct	-95.21	
26 51 19 00-0309	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	760.20	82.85
			For >50 To 100, Deduct	-23.15	
			For >100 To 250, Deduct	-42.15	
			For >250 To 500, Deduct	-76.02	
			For >500, Deduct	-109.89	
26 51 19 00-0310	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	621.13	82.85
			For >50 To 100, Deduct	-19.67	
			For >100 To 250, Deduct	-35.20	
			For >250 To 500, Deduct	-62.11	
			For >500, Deduct	-89.03	
26 51 19 00-0311	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	745.15	82.85
			For >50 To 100, Deduct	-22.77	
			For >100 To 250, Deduct	-41.40	
			For >250 To 500, Deduct	-74.52	
			For >500, Deduct	-107.63	
26 51 19 00-0312	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	684.94	82.85
			For >50 To 100, Deduct	-21.27	
			For >100 To 250, Deduct	-38.39	
			For >250 To 500, Deduct	-68.49	
			For >500, Deduct	-98.60	
26 51 19 00-0313	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	782.77	82.85
			For >50 To 100, Deduct	-23.71	
			For >100 To 250, Deduct	-43.28	
			For >250 To 500, Deduct	-78.28	
			For >500, Deduct	-113.27	
26 51 19 00-0314			Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0304)		
26 51 19 00-0315	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	43.26	12.41
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-4.33	
			For >500, Deduct	-5.97	
26 51 19 00-0316	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	43.26	12.41
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-4.33	
			For >500, Deduct	-5.97	
26 51 19 00-0317	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	58.30	12.41
			For >50 To 100, Deduct	-1.97	
			For >100 To 250, Deduct	-3.43	
			For >250 To 500, Deduct	-5.83	
			For >500, Deduct	-8.23	
26 51 19 00-0318	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	88.41	12.41
			For >50 To 100, Deduct	-2.73	
			For >100 To 250, Deduct	-4.94	
			For >250 To 500, Deduct	-8.84	
			For >500, Deduct	-12.74	
26 51 19 00-0319	EA		16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	103.46	12.41
			For >50 To 100, Deduct	-3.10	
			For >100 To 250, Deduct	-5.69	
			For >250 To 500, Deduct	-10.35	
			For >500, Deduct	-15.00	
26 51 19 00-0320	EA		16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	58.30	12.41
			For >50 To 100, Deduct	-1.97	
			For >100 To 250, Deduct	-3.43	
			For >250 To 500, Deduct	-5.83	
			For >500, Deduct	-8.23	
26 51 19 00-0321	EA		16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	59.81	12.41
			For >50 To 100, Deduct	-2.01	
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-5.98	
			For >500, Deduct	-8.45	
26 51 19 00-0322	EA		16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	43.26	12.41
			For >50 To 100, Deduct	-1.60	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-4.33	
			For >500, Deduct	-5.97	
26 51 19 00-0323	EA		16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	46.27	12.41
			For >50 To 100, Deduct	-1.67	
			For >100 To 250, Deduct	-2.83	
			For >250 To 500, Deduct	-4.63	
			For >500, Deduct	-6.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0324	EA	5'	Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	29.71	12.41
			For >50 To 100, Deduct	-1.26	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.97	
			For >500, Deduct	-3.94	
26 51 19 00-0325	EA	10'	Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	31.22	12.41
			For >50 To 100, Deduct	-1.30	
			For >100 To 250, Deduct	-2.08	
			For >250 To 500, Deduct	-3.12	
			For >500, Deduct	-4.17	
26 51 19 00-0326			LED High Bay Fixtures (Everlast) <small>(26 51 19 00-0303)</small>		
26 51 19 00-0327			LED High Bay Fixtures (Everlast EL-LED-LG) <small>(26 51 19 00-0326)</small>		
26 51 19 00-0328	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	663.85	82.85
			For >50 To 100, Deduct	-20.74	
			For >100 To 250, Deduct	-37.33	
			For >250 To 500, Deduct	-66.39	
			For >500, Deduct	-95.44	
26 51 19 00-0329	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	701.94	82.85
			For >50 To 100, Deduct	-21.69	
			For >100 To 250, Deduct	-39.24	
			For >250 To 500, Deduct	-70.19	
			For >500, Deduct	-101.15	
26 51 19 00-0330	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	625.75	82.85
			For >50 To 100, Deduct	-19.79	
			For >100 To 250, Deduct	-35.43	
			For >250 To 500, Deduct	-62.58	
			For >500, Deduct	-89.72	
26 51 19 00-0331	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	641.87	82.85
			For >50 To 100, Deduct	-20.19	
			For >100 To 250, Deduct	-36.24	
			For >250 To 500, Deduct	-64.19	
			For >500, Deduct	-92.14	
26 51 19 00-0332	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	729.78	82.85
			For >50 To 100, Deduct	-22.39	
			For >100 To 250, Deduct	-40.63	
			For >250 To 500, Deduct	-72.98	
			For >500, Deduct	-105.32	
26 51 19 00-0333	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	795.71	82.85
			For >50 To 100, Deduct	-24.04	
			For >100 To 250, Deduct	-43.93	
			For >250 To 500, Deduct	-79.57	
			For >500, Deduct	-115.21	
26 51 19 00-0334	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	694.62	82.85
			For >50 To 100, Deduct	-21.51	
			For >100 To 250, Deduct	-38.87	
			For >250 To 500, Deduct	-69.46	
			For >500, Deduct	-100.05	
26 51 19 00-0335	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	751.76	82.85
			For >50 To 100, Deduct	-22.94	
			For >100 To 250, Deduct	-41.73	
			For >250 To 500, Deduct	-75.18	
			For >500, Deduct	-108.62	
26 51 19 00-0336	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,096.07	82.85
			For >50 To 100, Deduct	-31.54	
			For >100 To 250, Deduct	-58.95	
			For >250 To 500, Deduct	-109.61	
			For >500, Deduct	-160.27	
26 51 19 00-0337	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,198.63	82.85
			For >50 To 100, Deduct	-34.11	
			For >100 To 250, Deduct	-64.07	
			For >250 To 500, Deduct	-119.86	
			For >500, Deduct	-175.65	
26 51 19 00-0338	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,491.67	82.85
			For >50 To 100, Deduct	-41.43	
			For >100 To 250, Deduct	-78.73	
			For >250 To 500, Deduct	-149.17	
			For >500, Deduct	-219.61	
26 51 19 00-0339			LED High Bay Fixtures (Everlast EL-LED-CS) <small>(26 51 19 00-0326)</small>		
26 51 19 00-0340	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	414.77	82.85
			For >50 To 100, Deduct	-14.51	
			For >100 To 250, Deduct	-24.88	
			For >250 To 500, Deduct	-41.48	
			For >500, Deduct	-58.07	
26 51 19 00-0341	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	612.57	82.85
			For >50 To 100, Deduct	-19.46	
			For >100 To 250, Deduct	-34.77	
			For >250 To 500, Deduct	-61.26	
			For >500, Deduct	-87.74	
26 51 19 00-0342	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	700.48	82.85
			For >50 To 100, Deduct	-21.65	
			For >100 To 250, Deduct	-39.17	
			For >250 To 500, Deduct	-70.05	
			For >500, Deduct	-100.93	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0343	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	803.04	82.85
			<i>For >50 To 100, Deduct</i>	-24.22	
			<i>For >100 To 250, Deduct</i>	-44.29	
			<i>For >250 To 500, Deduct</i>	-80.30	
			<i>For >500, Deduct</i>	-116.31	
26 51 19 00-0344	EA		30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	868.97	82.85
			<i>For >50 To 100, Deduct</i>	-25.87	
			<i>For >100 To 250, Deduct</i>	-47.59	
			<i>For >250 To 500, Deduct</i>	-86.90	
			<i>For >500, Deduct</i>	-126.20	
26 51 19 00-0345 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0326)					
26 51 19 00-0346	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	546.63	82.85
			<i>For >50 To 100, Deduct</i>	-17.81	
			<i>For >100 To 250, Deduct</i>	-31.47	
			<i>For >250 To 500, Deduct</i>	-54.66	
			<i>For >500, Deduct</i>	-77.85	
26 51 19 00-0347	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	583.26	82.85
			<i>For >50 To 100, Deduct</i>	-18.72	
			<i>For >100 To 250, Deduct</i>	-33.31	
			<i>For >250 To 500, Deduct</i>	-58.33	
			<i>For >500, Deduct</i>	-83.35	
26 51 19 00-0348	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG).....	634.54	82.85
			<i>For >50 To 100, Deduct</i>	-20.01	
			<i>For >100 To 250, Deduct</i>	-35.87	
			<i>For >250 To 500, Deduct</i>	-63.45	
			<i>For >500, Deduct</i>	-91.04	
26 51 19 00-0349 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0326)					
26 51 19 00-0350	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	555.43	82.85
			<i>For >50 To 100, Deduct</i>	-18.03	
			<i>For >100 To 250, Deduct</i>	-31.91	
			<i>For >250 To 500, Deduct</i>	-55.54	
			<i>For >500, Deduct</i>	-79.17	
26 51 19 00-0351	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	685.83	82.85
			<i>For >50 To 100, Deduct</i>	-21.29	
			<i>For >100 To 250, Deduct</i>	-38.43	
			<i>For >250 To 500, Deduct</i>	-68.58	
			<i>For >500, Deduct</i>	-98.73	
26 51 19 00-0352	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	854.32	82.85
			<i>For >50 To 100, Deduct</i>	-25.50	
			<i>For >100 To 250, Deduct</i>	-46.86	
			<i>For >250 To 500, Deduct</i>	-85.43	
			<i>For >500, Deduct</i>	-124.01	
26 51 19 00-0353 LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0303)					
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0354	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	510.79	82.85
			<i>For >50 To 100, Deduct</i>	-16.91	
			<i>For >100 To 250, Deduct</i>	-29.68	
			<i>For >250 To 500, Deduct</i>	-51.08	
			<i>For >500, Deduct</i>	-72.48	
26 51 19 00-0355	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	557.33	82.85
			<i>For >50 To 100, Deduct</i>	-18.08	
			<i>For >100 To 250, Deduct</i>	-32.01	
			<i>For >250 To 500, Deduct</i>	-55.73	
			<i>For >500, Deduct</i>	-79.46	
26 51 19 00-0356	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	682.99	82.85
			<i>For >50 To 100, Deduct</i>	-21.22	
			<i>For >100 To 250, Deduct</i>	-38.29	
			<i>For >250 To 500, Deduct</i>	-68.30	
			<i>For >500, Deduct</i>	-98.31	
26 51 19 00-0357	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	733.25	82.85
			<i>For >50 To 100, Deduct</i>	-22.47	
			<i>For >100 To 250, Deduct</i>	-40.80	
			<i>For >250 To 500, Deduct</i>	-73.33	
			<i>For >500, Deduct</i>	-105.85	
26 51 19 00-0358 LED High Bay Fixtures (Metalux SSLED) (26 51 19 00-0303)					
26 51 19 00-0359	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	478.45	82.85
			<i>For >50 To 100, Deduct</i>	-16.10	
			<i>For >100 To 250, Deduct</i>	-28.06	
			<i>For >250 To 500, Deduct</i>	-47.85	
			<i>For >500, Deduct</i>	-67.63	
26 51 19 00-0360	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	490.74	82.85
			<i>For >50 To 100, Deduct</i>	-16.41	
			<i>For >100 To 250, Deduct</i>	-28.68	
			<i>For >250 To 500, Deduct</i>	-49.07	
			<i>For >500, Deduct</i>	-69.47	
26 51 19 00-0361	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	495.69	82.85
			<i>For >50 To 100, Deduct</i>	-16.53	
			<i>For >100 To 250, Deduct</i>	-28.93	
			<i>For >250 To 500, Deduct</i>	-49.57	
			<i>For >500, Deduct</i>	-70.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0362	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	542.80	82.85
			<i>For >50 To 100, Deduct</i>	-17.71	
			<i>For >100 To 250, Deduct</i>	-31.28	
			<i>For >250 To 500, Deduct</i>	-54.28	
			<i>For >500, Deduct</i>	-77.28	
26 51 19 00-0363	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	597.68	82.85
			<i>For >50 To 100, Deduct</i>	-19.08	
			<i>For >100 To 250, Deduct</i>	-34.03	
			<i>For >250 To 500, Deduct</i>	-59.77	
			<i>For >500, Deduct</i>	-85.51	
26 51 19 00-0364	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	618.27	82.85
			<i>For >50 To 100, Deduct</i>	-19.60	
			<i>For >100 To 250, Deduct</i>	-35.06	
			<i>For >250 To 500, Deduct</i>	-61.83	
			<i>For >500, Deduct</i>	-88.60	
26 51 19 00-0365			LED High Bay Fixtures (PlanLED) (26 51 19 00-0303)		
26 51 19 00-0366			LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0365)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0367	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	646.27	82.85
			<i>For >50 To 100, Deduct</i>	-20.30	
			<i>For >100 To 250, Deduct</i>	-36.46	
			<i>For >250 To 500, Deduct</i>	-64.63	
			<i>For >500, Deduct</i>	-92.80	
26 51 19 00-0368	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	728.32	82.85
			<i>For >50 To 100, Deduct</i>	-22.35	
			<i>For >100 To 250, Deduct</i>	-40.56	
			<i>For >250 To 500, Deduct</i>	-72.83	
			<i>For >500, Deduct</i>	-105.11	
26 51 19 00-0369	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	846.99	82.85
			<i>For >50 To 100, Deduct</i>	-25.32	
			<i>For >100 To 250, Deduct</i>	-46.49	
			<i>For >250 To 500, Deduct</i>	-84.70	
			<i>For >500, Deduct</i>	-122.91	
26 51 19 00-0370	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	962.74	82.85
			<i>For >50 To 100, Deduct</i>	-28.21	
			<i>For >100 To 250, Deduct</i>	-52.28	
			<i>For >250 To 500, Deduct</i>	-96.27	
			<i>For >500, Deduct</i>	-140.27	
26 51 19 00-0371			LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0365)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0372	EA		13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	704.87	82.85
			<i>For 480 Volt, Add</i>	40.52	
			<i>For >50 To 100, Deduct</i>	-21.76	
			<i>For >100 To 250, Deduct</i>	-39.39	
			<i>For >250 To 500, Deduct</i>	-70.49	
			<i>For >500, Deduct</i>	-101.59	
26 51 19 00-0373	EA		21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	990.58	82.85
			<i>For 480 Volt, Add</i>	51.20	
			<i>For >50 To 100, Deduct</i>	-28.91	
			<i>For >100 To 250, Deduct</i>	-53.67	
			<i>For >250 To 500, Deduct</i>	-99.06	
			<i>For >500, Deduct</i>	-144.44	
26 51 19 00-0374	EA		42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,777.38	82.85
			<i>For 480 Volt, Add</i>	80.92	
			<i>For >50 To 100, Deduct</i>	-48.58	
			<i>For >100 To 250, Deduct</i>	-93.01	
			<i>For >250 To 500, Deduct</i>	-177.74	
			<i>For >500, Deduct</i>	-262.46	
26 51 19 00-0375			LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0365)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0376	EA		10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	551.03	82.85
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For >50 To 100, Deduct</i>	-17.92	
			<i>For >100 To 250, Deduct</i>	-31.69	
			<i>For >250 To 500, Deduct</i>	-55.10	
			<i>For >500, Deduct</i>	-78.51	
26 51 19 00-0377	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	590.59	82.85
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For >50 To 100, Deduct</i>	-18.91	
			<i>For >100 To 250, Deduct</i>	-33.67	
			<i>For >250 To 500, Deduct</i>	-59.06	
			<i>For >500, Deduct</i>	-84.45	
26 51 19 00-0378	EA		16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	726.85	82.85
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For >50 To 100, Deduct</i>	-22.31	
			<i>For >100 To 250, Deduct</i>	-40.48	
			<i>For >250 To 500, Deduct</i>	-72.69	
			<i>For >500, Deduct</i>	-104.89	
26 51 19 00-0379	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	825.02	82.85
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For >50 To 100, Deduct</i>	-24.77	
			<i>For >100 To 250, Deduct</i>	-45.39	
			<i>For >250 To 500, Deduct</i>	-82.50	
			<i>For >500, Deduct</i>	-119.61	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0380	EA 50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	1,548.81	82.85
	<i>For >50 To 100, Deduct</i>	-42.86	
	<i>For >100 To 250, Deduct</i>	-81.58	
	<i>For >250 To 500, Deduct</i>	-154.88	
	<i>For >500, Deduct</i>	-228.18	
26 51 19 00-0381	EA 57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	1,677.75	82.85
	<i>For >50 To 100, Deduct</i>	-46.09	
	<i>For >100 To 250, Deduct</i>	-88.03	
	<i>For >250 To 500, Deduct</i>	-167.78	
	<i>For >500, Deduct</i>	-247.52	
26 51 19 00-0382	EA 80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	2,562.95	82.85
	<i>For >50 To 100, Deduct</i>	-68.22	
	<i>For >100 To 250, Deduct</i>	-132.29	
	<i>For >250 To 500, Deduct</i>	-256.30	
	<i>For >500, Deduct</i>	-380.30	
26 51 19 00-0383	Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0384	Wet Location, LED Fixtures <small>(26 51 19 00-0383)</small>		
26 51 19 00-0385	Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0384)</small>		
	Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0386	EA 3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,858.66	63.27
	<i>For Ceiling Mount, Add</i>	16.36	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Stanchion Mount, Add</i>	111.56	
	<i>For Wall Mount, Add</i>	123.49	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For Teflon Coated Lens, Add</i>	109.75	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-49.10	
	<i>For >100 To 250, Deduct</i>	-95.57	
	<i>For >250 To 500, Deduct</i>	-185.87	
	<i>For >500, Deduct</i>	-276.16	
26 51 19 00-0387	EA 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,893.84	67.78
	<i>For Ceiling Mount, Add</i>	16.36	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Stanchion Mount, Add</i>	111.56	
	<i>For Wall Mount, Add</i>	123.49	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For Teflon Coated Lens, Add</i>	109.75	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-50.17	
	<i>For >100 To 250, Deduct</i>	-97.52	
	<i>For >250 To 500, Deduct</i>	-189.38	
	<i>For >500, Deduct</i>	-281.25	
26 51 19 00-0388	EA 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,139.31	72.30
	<i>For Ceiling Mount, Add</i>	16.36	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Stanchion Mount, Add</i>	111.56	
	<i>For Wall Mount, Add</i>	123.49	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For Teflon Coated Lens, Add</i>	109.75	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-56.50	
	<i>For >100 To 250, Deduct</i>	-109.98	
	<i>For >250 To 500, Deduct</i>	-213.93	
	<i>For >500, Deduct</i>	-317.88	
26 51 19 00-0389	EA 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,577.78	76.82
	<i>For Ceiling Mount, Add</i>	16.36	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Stanchion Mount, Add</i>	111.56	
	<i>For Wall Mount, Add</i>	123.49	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For Teflon Coated Lens, Add</i>	109.75	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-67.65	
	<i>For >100 To 250, Deduct</i>	-132.09	
	<i>For >250 To 500, Deduct</i>	-257.78	
	<i>For >500, Deduct</i>	-383.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0390	EA		11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	3,291.96	81.33
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For >50 To 100, Deduct</i>	-85.69	
			<i>For >100 To 250, Deduct</i>	-167.99	
			<i>For >250 To 500, Deduct</i>	-329.20	
			<i>For >500, Deduct</i>	-490.40	
26 51 19 00-0391	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	4,337.76	83.60
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For >50 To 100, Deduct</i>	-111.93	
			<i>For >100 To 250, Deduct</i>	-220.37	
			<i>For >250 To 500, Deduct</i>	-433.78	
			<i>For >500, Deduct</i>	-647.18	
26 51 19 00-0392	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	5,026.78	85.86
			<i>For Ceiling Mount, Add</i>	16.36	
			<i>For Quick Clip Mounting Option, Add</i>	24.05	
			<i>For Frosted Lens, Add</i>	51.71	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For Stanchion Mount, Add</i>	111.56	
			<i>For Wall Mount, Add</i>	123.49	
			<i>For Polycarbonate Lens, Add</i>	95.84	
			<i>For Teflon Coated Lens, Add</i>	109.75	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For >50 To 100, Deduct</i>	-129.25	
			<i>For >100 To 250, Deduct</i>	-254.92	
			<i>For >250 To 500, Deduct</i>	-502.68	
			<i>For >500, Deduct</i>	-750.44	
26 51 19 00-0393			Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 19 00-0394)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0394	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	1,672.27	67.78
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-44.63	
			<i>For >100 To 250, Deduct</i>	-86.44	
			<i>For >250 To 500, Deduct</i>	-167.23	
			<i>For >500, Deduct</i>	-248.02	
26 51 19 00-0395	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	2,475.03	72.30
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-64.89	
			<i>For >100 To 250, Deduct</i>	-126.76	
			<i>For >250 To 500, Deduct</i>	-247.50	
			<i>For >500, Deduct</i>	-368.24	
26 51 19 00-0396	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	2,729.71	76.82
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-71.44	
			<i>For >100 To 250, Deduct</i>	-139.69	
			<i>For >250 To 500, Deduct</i>	-272.97	
			<i>For >500, Deduct</i>	-406.26	
26 51 19 00-0397	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	3,135.87	81.33
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-81.79	
			<i>For >100 To 250, Deduct</i>	-160.18	
			<i>For >250 To 500, Deduct</i>	-313.59	
			<i>For >500, Deduct</i>	-466.99	

26 Electrical

26 50 Lighting

26 51 Interior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0398			Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 19 00-0384) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0399	EA		1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,155.56	63.27
			For 12/24 Volt DC Driver, Add	25.30	
			For Frosted Lens, Add	51.71	
			For 55 Degree Ambient Suitability (AC Only), Add	34.45	
			For Warm White Color Rendering, Add	66.57	
			For Ceiling Mount, Add	78.61	
			For Wall Mount, Add	114.01	
			For Teflon Coated Lens, Add	109.75	
			For Wall Mount With Junction Box, Add	165.62	
			For >50 To 100, Deduct	-31.52	
			For >100 To 250, Deduct	-60.41	
			For >250 To 500, Deduct	-115.56	
			For >500, Deduct	-170.70	
26 51 19 00-0400			Ceiling Mounted LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0401			Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0400)		
26 51 19 00-0402	EA		11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	113.82	30.12
			For >50 To 100, Deduct	-3.98	
			For >100 To 250, Deduct	-6.82	
			For >250 To 500, Deduct	-11.38	
			For >500, Deduct	-15.94	
26 51 19 00-0403	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	120.63	30.12
			For >50 To 100, Deduct	-4.15	
			For >100 To 250, Deduct	-7.16	
			For >250 To 500, Deduct	-12.06	
			For >500, Deduct	-16.96	
26 51 19 00-0404	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	127.44	30.12
			For >50 To 100, Deduct	-4.32	
			For >100 To 250, Deduct	-7.50	
			For >250 To 500, Deduct	-12.74	
			For >500, Deduct	-17.99	
26 51 19 00-0405	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	134.26	30.12
			For >50 To 100, Deduct	-4.49	
			For >100 To 250, Deduct	-7.84	
			For >250 To 500, Deduct	-13.43	
			For >500, Deduct	-19.01	
26 51 19 00-0406	EA		14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	125.40	33.13
			For >50 To 100, Deduct	-4.38	
			For >100 To 250, Deduct	-7.51	
			For >250 To 500, Deduct	-12.54	
			For >500, Deduct	-17.57	
26 51 19 00-0407	EA		14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	132.21	33.13
			For >50 To 100, Deduct	-4.55	
			For >100 To 250, Deduct	-7.85	
			For >250 To 500, Deduct	-13.22	
			For >500, Deduct	-18.59	
26 51 19 00-0408	EA		14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	139.02	33.13
			For >50 To 100, Deduct	-4.72	
			For >100 To 250, Deduct	-8.19	
			For >250 To 500, Deduct	-13.90	
			For >500, Deduct	-19.61	
26 51 19 00-0409	EA		14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	145.83	33.13
			For >50 To 100, Deduct	-4.89	
			For >100 To 250, Deduct	-8.53	
			For >250 To 500, Deduct	-14.58	
			For >500, Deduct	-20.63	
26 51 19 00-0410	EA		14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	159.46	33.13
			For >50 To 100, Deduct	-5.23	
			For >100 To 250, Deduct	-9.22	
			For >250 To 500, Deduct	-15.95	
			For >500, Deduct	-22.68	
26 51 19 00-0411	EA		11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35).....	113.82	30.12
			For >50 To 100, Deduct	-3.98	
			For >100 To 250, Deduct	-6.82	
			For >250 To 500, Deduct	-11.38	
			For >500, Deduct	-15.94	
26 51 19 00-0412	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35).....	120.63	30.12
			For >50 To 100, Deduct	-4.15	
			For >100 To 250, Deduct	-7.16	
			For >250 To 500, Deduct	-12.06	
			For >500, Deduct	-16.96	
26 51 19 00-0413	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35).....	127.44	30.12
			For >50 To 100, Deduct	-4.32	
			For >100 To 250, Deduct	-7.50	
			For >250 To 500, Deduct	-12.74	
			For >500, Deduct	-17.99	
26 51 19 00-0414	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35).....	134.25	30.12
			For >50 To 100, Deduct	-4.49	
			For >100 To 250, Deduct	-7.84	
			For >250 To 500, Deduct	-13.43	
			For >500, Deduct	-19.01	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51	19 00-0415	EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	125.40	33.13
		<i>For >50 To 100, Deduct</i>	-4.38	
		<i>For >100 To 250, Deduct</i>	-7.51	
		<i>For >250 To 500, Deduct</i>	-12.54	
		<i>For >500, Deduct</i>	-17.57	
26 51	19 00-0416	EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	132.21	33.13
		<i>For >50 To 100, Deduct</i>	-4.55	
		<i>For >100 To 250, Deduct</i>	-7.85	
		<i>For >250 To 500, Deduct</i>	-13.22	
		<i>For >500, Deduct</i>	-18.59	
26 51	19 00-0417	EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	139.02	33.13
		<i>For >50 To 100, Deduct</i>	-4.72	
		<i>For >100 To 250, Deduct</i>	-8.19	
		<i>For >250 To 500, Deduct</i>	-13.90	
		<i>For >500, Deduct</i>	-19.61	
26 51	19 00-0418	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	145.83	33.13
		<i>For >50 To 100, Deduct</i>	-4.89	
		<i>For >100 To 250, Deduct</i>	-8.53	
		<i>For >250 To 500, Deduct</i>	-14.58	
		<i>For >500, Deduct</i>	-20.63	
26 51	19 00-0419	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	159.46	33.13
		<i>For >50 To 100, Deduct</i>	-5.23	
		<i>For >100 To 250, Deduct</i>	-9.22	
		<i>For >250 To 500, Deduct</i>	-15.95	
		<i>For >500, Deduct</i>	-22.68	
26 51	19 00-0420	EA 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	113.82	30.12
		<i>For >50 To 100, Deduct</i>	-3.98	
		<i>For >100 To 250, Deduct</i>	-6.82	
		<i>For >250 To 500, Deduct</i>	-11.38	
		<i>For >500, Deduct</i>	-15.94	
26 51	19 00-0421	EA 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	120.63	30.12
		<i>For >50 To 100, Deduct</i>	-4.15	
		<i>For >100 To 250, Deduct</i>	-7.16	
		<i>For >250 To 500, Deduct</i>	-12.06	
		<i>For >500, Deduct</i>	-16.96	
26 51	19 00-0422	EA 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	127.44	30.12
		<i>For >50 To 100, Deduct</i>	-4.32	
		<i>For >100 To 250, Deduct</i>	-7.50	
		<i>For >250 To 500, Deduct</i>	-12.74	
		<i>For >500, Deduct</i>	-17.99	
26 51	19 00-0423	EA 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	134.25	30.12
		<i>For >50 To 100, Deduct</i>	-4.49	
		<i>For >100 To 250, Deduct</i>	-7.84	
		<i>For >250 To 500, Deduct</i>	-13.43	
		<i>For >500, Deduct</i>	-19.01	
26 51	19 00-0424	EA 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	125.40	33.13
		<i>For >50 To 100, Deduct</i>	-4.38	
		<i>For >100 To 250, Deduct</i>	-7.51	
		<i>For >250 To 500, Deduct</i>	-12.54	
		<i>For >500, Deduct</i>	-17.57	
26 51	19 00-0425	EA 14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	132.21	33.13
		<i>For >50 To 100, Deduct</i>	-4.55	
		<i>For >100 To 250, Deduct</i>	-7.85	
		<i>For >250 To 500, Deduct</i>	-13.22	
		<i>For >500, Deduct</i>	-18.59	
26 51	19 00-0426	EA 14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	139.02	33.13
		<i>For >50 To 100, Deduct</i>	-4.72	
		<i>For >100 To 250, Deduct</i>	-8.19	
		<i>For >250 To 500, Deduct</i>	-13.90	
		<i>For >500, Deduct</i>	-19.61	
26 51	19 00-0427	EA 14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	145.83	33.13
		<i>For >50 To 100, Deduct</i>	-4.89	
		<i>For >100 To 250, Deduct</i>	-8.53	
		<i>For >250 To 500, Deduct</i>	-14.58	
		<i>For >500, Deduct</i>	-20.63	
26 51	19 00-0428	EA 14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	159.46	33.13
		<i>For >50 To 100, Deduct</i>	-5.23	
		<i>For >100 To 250, Deduct</i>	-9.22	
		<i>For >250 To 500, Deduct</i>	-15.95	
		<i>For >500, Deduct</i>	-22.68	
26 51	19 00-0429	EA 11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	113.82	30.12
		<i>For >50 To 100, Deduct</i>	-3.98	
		<i>For >100 To 250, Deduct</i>	-6.82	
		<i>For >250 To 500, Deduct</i>	-11.38	
		<i>For >500, Deduct</i>	-15.94	
26 51	19 00-0430	EA 11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	120.63	30.12
		<i>For >50 To 100, Deduct</i>	-4.15	
		<i>For >100 To 250, Deduct</i>	-7.16	
		<i>For >250 To 500, Deduct</i>	-12.06	
		<i>For >500, Deduct</i>	-16.96	
26 51	19 00-0431	EA 11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	127.44	30.12
		<i>For >50 To 100, Deduct</i>	-4.32	
		<i>For >100 To 250, Deduct</i>	-7.50	
		<i>For >250 To 500, Deduct</i>	-12.74	
		<i>For >500, Deduct</i>	-17.99	
26 51	19 00-0432	EA 11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	134.25	30.12
		<i>For >50 To 100, Deduct</i>	-4.49	
		<i>For >100 To 250, Deduct</i>	-7.84	
		<i>For >250 To 500, Deduct</i>	-13.43	
		<i>For >500, Deduct</i>	-19.01	

26 Electrical

26 50 Lighting

26 51 Interior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0433	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	125.40	33.13
			<i>For >50 To 100, Deduct</i>	-4.38	
			<i>For >100 To 250, Deduct</i>	-7.51	
			<i>For >250 To 500, Deduct</i>	-12.54	
			<i>For >500, Deduct</i>	-17.57	
26 51	19 00-0434	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	132.21	33.13
			<i>For >50 To 100, Deduct</i>	-4.55	
			<i>For >100 To 250, Deduct</i>	-7.85	
			<i>For >250 To 500, Deduct</i>	-13.22	
			<i>For >500, Deduct</i>	-18.59	
26 51	19 00-0435	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	139.02	33.13
			<i>For >50 To 100, Deduct</i>	-4.72	
			<i>For >100 To 250, Deduct</i>	-8.19	
			<i>For >250 To 500, Deduct</i>	-13.90	
			<i>For >500, Deduct</i>	-19.61	
26 51	19 00-0436	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	145.83	33.13
			<i>For >50 To 100, Deduct</i>	-4.89	
			<i>For >100 To 250, Deduct</i>	-8.53	
			<i>For >250 To 500, Deduct</i>	-14.58	
			<i>For >500, Deduct</i>	-20.63	
26 51	19 00-0437	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	159.46	33.13
			<i>For >50 To 100, Deduct</i>	-5.23	
			<i>For >100 To 250, Deduct</i>	-9.22	
			<i>For >250 To 500, Deduct</i>	-15.95	
			<i>For >500, Deduct</i>	-22.68	
26 51	19 00-0438	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	162.67	35.77
			<i>For >50 To 100, Deduct</i>	-5.42	
			<i>For >100 To 250, Deduct</i>	-9.49	
			<i>For >250 To 500, Deduct</i>	-16.27	
			<i>For >500, Deduct</i>	-23.05	
26 51	19 00-0439	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	178.15	35.77
			<i>For >50 To 100, Deduct</i>	-5.81	
			<i>For >100 To 250, Deduct</i>	-10.26	
			<i>For >250 To 500, Deduct</i>	-17.82	
			<i>For >500, Deduct</i>	-25.37	
26 51	19 00-0440	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	174.38	35.77
			<i>For >50 To 100, Deduct</i>	-5.72	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-17.44	
			<i>For >500, Deduct</i>	-24.80	
26 51	19 00-0441	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	174.31	35.77
			<i>For >50 To 100, Deduct</i>	-5.71	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-17.43	
			<i>For >500, Deduct</i>	-24.79	
26 51	19 00-0442	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.78	35.77
			<i>For >50 To 100, Deduct</i>	-6.15	
			<i>For >100 To 250, Deduct</i>	-10.94	
			<i>For >250 To 500, Deduct</i>	-19.18	
			<i>For >500, Deduct</i>	-27.41	
26 51	19 00-0443	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.14	35.77
			<i>For >50 To 100, Deduct</i>	-6.01	
			<i>For >100 To 250, Deduct</i>	-10.66	
			<i>For >250 To 500, Deduct</i>	-18.61	
			<i>For >500, Deduct</i>	-26.57	
26 51	19 00-0444	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.74	35.77
			<i>For >50 To 100, Deduct</i>	-6.60	
			<i>For >100 To 250, Deduct</i>	-11.84	
			<i>For >250 To 500, Deduct</i>	-20.97	
			<i>For >500, Deduct</i>	-30.11	
26 51	19 00-0445	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	202.06	35.77
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-11.46	
			<i>For >250 To 500, Deduct</i>	-20.21	
			<i>For >500, Deduct</i>	-28.95	
26 51	19 00-0446	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	202.12	35.77
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100 To 250, Deduct</i>	-11.46	
			<i>For >250 To 500, Deduct</i>	-20.21	
			<i>For >500, Deduct</i>	-28.96	
26 51	19 00-0447	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	162.67	35.77
			<i>For >50 To 100, Deduct</i>	-5.42	
			<i>For >100 To 250, Deduct</i>	-9.49	
			<i>For >250 To 500, Deduct</i>	-16.27	
			<i>For >500, Deduct</i>	-23.05	
26 51	19 00-0448	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	178.15	35.77
			<i>For >50 To 100, Deduct</i>	-5.81	
			<i>For >100 To 250, Deduct</i>	-10.26	
			<i>For >250 To 500, Deduct</i>	-17.82	
			<i>For >500, Deduct</i>	-25.37	
26 51	19 00-0449	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	174.38	35.77
			<i>For >50 To 100, Deduct</i>	-5.72	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-17.44	
			<i>For >500, Deduct</i>	-24.80	
26 51	19 00-0450	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	174.31	35.77
			<i>For >50 To 100, Deduct</i>	-5.71	
			<i>For >100 To 250, Deduct</i>	-10.07	
			<i>For >250 To 500, Deduct</i>	-17.43	
			<i>For >500, Deduct</i>	-24.79	

	Electrical 26	26
	Lighting 26 50	
	Interior Lighting 26 51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0451	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.78	35.77
		For >50 To 100, Deduct	-6.15	
		For >100 To 250, Deduct	-10.94	
		For >250 To 500, Deduct	-19.18	
		For >500, Deduct	-27.41	
26 51 19 00-0452	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.14	35.77
		For >50 To 100, Deduct	-6.01	
		For >100 To 250, Deduct	-10.66	
		For >250 To 500, Deduct	-18.61	
		For >500, Deduct	-26.57	
26 51 19 00-0453	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.74	35.77
		For >50 To 100, Deduct	-6.60	
		For >100 To 250, Deduct	-11.84	
		For >250 To 500, Deduct	-20.97	
		For >500, Deduct	-30.11	
26 51 19 00-0454	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	202.06	35.77
		For >50 To 100, Deduct	-6.41	
		For >100 To 250, Deduct	-11.46	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.95	
26 51 19 00-0455	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	202.12	35.77
		For >50 To 100, Deduct	-6.41	
		For >100 To 250, Deduct	-11.46	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.96	
26 51 19 00-0456	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	162.67	35.77
		For >50 To 100, Deduct	-5.42	
		For >100 To 250, Deduct	-9.49	
		For >250 To 500, Deduct	-16.27	
		For >500, Deduct	-23.05	
26 51 19 00-0457	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	178.15	35.77
		For >50 To 100, Deduct	-5.81	
		For >100 To 250, Deduct	-10.26	
		For >250 To 500, Deduct	-17.82	
		For >500, Deduct	-25.37	
26 51 19 00-0458	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	174.38	35.77
		For >50 To 100, Deduct	-5.72	
		For >100 To 250, Deduct	-10.07	
		For >250 To 500, Deduct	-17.44	
		For >500, Deduct	-24.80	
26 51 19 00-0459	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	174.31	35.77
		For >50 To 100, Deduct	-5.71	
		For >100 To 250, Deduct	-10.07	
		For >250 To 500, Deduct	-17.43	
		For >500, Deduct	-24.79	
26 51 19 00-0460	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.78	35.77
		For >50 To 100, Deduct	-6.15	
		For >100 To 250, Deduct	-10.94	
		For >250 To 500, Deduct	-19.18	
		For >500, Deduct	-27.41	
26 51 19 00-0461	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.14	35.77
		For >50 To 100, Deduct	-6.01	
		For >100 To 250, Deduct	-10.66	
		For >250 To 500, Deduct	-18.61	
		For >500, Deduct	-26.57	
26 51 19 00-0462	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.74	35.77
		For >50 To 100, Deduct	-6.60	
		For >100 To 250, Deduct	-11.84	
		For >250 To 500, Deduct	-20.97	
		For >500, Deduct	-30.11	
26 51 19 00-0463	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	202.06	35.77
		For >50 To 100, Deduct	-6.41	
		For >100 To 250, Deduct	-11.46	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.95	
26 51 19 00-0464	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	202.12	35.77
		For >50 To 100, Deduct	-6.41	
		For >100 To 250, Deduct	-11.46	
		For >250 To 500, Deduct	-20.21	
		For >500, Deduct	-28.96	
26 51 19 00-0465	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	162.67	35.77
		For >50 To 100, Deduct	-5.42	
		For >100 To 250, Deduct	-9.49	
		For >250 To 500, Deduct	-16.27	
		For >500, Deduct	-23.05	
26 51 19 00-0466	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	178.15	35.77
		For >50 To 100, Deduct	-5.81	
		For >100 To 250, Deduct	-10.26	
		For >250 To 500, Deduct	-17.82	
		For >500, Deduct	-25.37	
26 51 19 00-0467	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	174.38	35.77
		For >50 To 100, Deduct	-5.72	
		For >100 To 250, Deduct	-10.07	
		For >250 To 500, Deduct	-17.44	
		For >500, Deduct	-24.80	
26 51 19 00-0468	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	174.31	35.77
		For >50 To 100, Deduct	-5.71	
		For >100 To 250, Deduct	-10.07	
		For >250 To 500, Deduct	-17.43	
		For >500, Deduct	-24.79	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 00-0469	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	191.78	35.77
		<i>For >50 To 100, Deduct</i>	-6.15	
		<i>For >100 To 250, Deduct</i>	-10.94	
		<i>For >250 To 500, Deduct</i>	-19.18	
		<i>For >500, Deduct</i>	-27.41	
26 51 19 00-0470	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	186.14	35.77
		<i>For >50 To 100, Deduct</i>	-6.01	
		<i>For >100 To 250, Deduct</i>	-10.66	
		<i>For >250 To 500, Deduct</i>	-18.61	
		<i>For >500, Deduct</i>	-26.57	
26 51 19 00-0471	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	209.74	35.77
		<i>For >50 To 100, Deduct</i>	-6.60	
		<i>For >100 To 250, Deduct</i>	-11.84	
		<i>For >250 To 500, Deduct</i>	-20.97	
		<i>For >500, Deduct</i>	-30.11	
26 51 19 00-0472	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	202.06	35.77
		<i>For >50 To 100, Deduct</i>	-6.41	
		<i>For >100 To 250, Deduct</i>	-11.46	
		<i>For >250 To 500, Deduct</i>	-20.21	
		<i>For >500, Deduct</i>	-28.95	
26 51 19 00-0473	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	202.12	35.77
		<i>For >50 To 100, Deduct</i>	-6.41	
		<i>For >100 To 250, Deduct</i>	-11.46	
		<i>For >250 To 500, Deduct</i>	-20.21	
		<i>For >500, Deduct</i>	-28.96	
26 51 19 00-0474	Ceiling Mounted, LED Mushroom Fixtures (Mobern) <small>(26 51 19 00-0400)</small>			
26 51 19 00-0475	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	129.79	33.13
		<i>For >50 To 100, Deduct</i>	-4.49	
		<i>For >100 To 250, Deduct</i>	-7.73	
		<i>For >250 To 500, Deduct</i>	-12.98	
		<i>For >500, Deduct</i>	-18.23	
26 51 19 00-0476	Ceiling Mounted, LED Fixtures (Sylvania) <small>(26 51 19 00-0400)</small>			
26 51 19 00-0477	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	485.88	35.77
		<i>For >50 To 100, Deduct</i>	-13.50	
		<i>For >100 To 250, Deduct</i>	-25.65	
		<i>For >250 To 500, Deduct</i>	-48.59	
		<i>For >500, Deduct</i>	-71.53	
26 51 19 00-0478	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1T1A/24A/WH)	186.46	30.12
		<i>For >50 To 100, Deduct</i>	-5.79	
		<i>For >100 To 250, Deduct</i>	-10.45	
		<i>For >250 To 500, Deduct</i>	-18.65	
		<i>For >500, Deduct</i>	-26.84	
26 51 19 00-0479	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1T1A/24A/WH)	232.19	35.09
		<i>For >50 To 100, Deduct</i>	-7.12	
		<i>For >100 To 250, Deduct</i>	-12.93	
		<i>For >250 To 500, Deduct</i>	-23.22	
		<i>For >500, Deduct</i>	-33.51	
26 51 19 00-0480	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1T1A/24A/WH)	234.93	35.09
		<i>For >50 To 100, Deduct</i>	-7.19	
		<i>For >100 To 250, Deduct</i>	-13.06	
		<i>For >250 To 500, Deduct</i>	-23.49	
		<i>For >500, Deduct</i>	-33.92	
26 51 19 00-0481	Refrigeration/Display LED Fixtures <small>(26 51 19 00-0001)</small>			
26 51 19 00-0482	Refrigeration/Display LED Fixtures (Lithonia) <small>(26 51 19 00-0481)</small>			
	Note: Fixtures exclude driver.			
26 51 19 00-0483	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	236.40	35.09
		<i>For >50 To 100, Deduct</i>	-7.23	
		<i>For >100 To 250, Deduct</i>	-13.14	
		<i>For >250 To 500, Deduct</i>	-23.64	
		<i>For >500, Deduct</i>	-34.14	
26 51 19 00-0484	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	302.02	62.13
		<i>For >50 To 100, Deduct</i>	-9.90	
		<i>For >100 To 250, Deduct</i>	-17.45	
		<i>For >250 To 500, Deduct</i>	-30.20	
		<i>For >500, Deduct</i>	-42.95	
26 51 19 00-0485	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	285.68	49.71
		<i>For >50 To 100, Deduct</i>	-9.02	
		<i>For >100 To 250, Deduct</i>	-16.17	
		<i>For >250 To 500, Deduct</i>	-28.57	
		<i>For >500, Deduct</i>	-40.97	
26 51 19 00-0486	Pendant Mount, LED Fixtures <small>(26 51 19 00-0001)</small>			
26 51 19 00-0487	Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) <small>(26 51 19 00-0486)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0488	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	1,791.66	76.82
			<i>For >50 To 100, Deduct</i>	-47.99	
			<i>For >100 To 250, Deduct</i>	-92.78	
			<i>For >250 To 500, Deduct</i>	-179.17	
			<i>For >500, Deduct</i>	-265.55	
26 51 19 00-0489	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	2,708.75	81.33
			<i>For >50 To 100, Deduct</i>	-71.11	
			<i>For >100 To 250, Deduct</i>	-138.83	
			<i>For >250 To 500, Deduct</i>	-270.88	
			<i>For >500, Deduct</i>	-402.92	
26 51 19 00-0490	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	3,460.81	85.86
			<i>For >50 To 100, Deduct</i>	-90.10	
			<i>For >100 To 250, Deduct</i>	-176.62	
			<i>For >250 To 500, Deduct</i>	-346.08	
			<i>For >500, Deduct</i>	-515.54	
26 51 19 00-0491	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	4,377.89	90.38
			<i>For >50 To 100, Deduct</i>	-113.21	
			<i>For >100 To 250, Deduct</i>	-222.66	
			<i>For >250 To 500, Deduct</i>	-437.79	
			<i>For >500, Deduct</i>	-652.92	
26 51 19 00-0492	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	1,900.76	76.82
			<i>For >50 To 100, Deduct</i>	-50.72	
			<i>For >100 To 250, Deduct</i>	-98.24	
			<i>For >250 To 500, Deduct</i>	-190.08	
			<i>For >500, Deduct</i>	-281.91	
26 51 19 00-0493	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	2,853.29	81.33
			<i>For >50 To 100, Deduct</i>	-74.72	
			<i>For >100 To 250, Deduct</i>	-146.05	
			<i>For >250 To 500, Deduct</i>	-285.33	
			<i>For >500, Deduct</i>	-424.60	
26 51 19 00-0494	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	3,606.72	85.86
			<i>For >50 To 100, Deduct</i>	-93.75	
			<i>For >100 To 250, Deduct</i>	-183.91	
			<i>For >250 To 500, Deduct</i>	-360.67	
			<i>For >500, Deduct</i>	-537.43	
26 51 19 00-0495	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	4,541.52	90.38
			<i>For >50 To 100, Deduct</i>	-117.30	
			<i>For >100 To 250, Deduct</i>	-230.84	
			<i>For >250 To 500, Deduct</i>	-454.15	
			<i>For >500, Deduct</i>	-677.46	
26 51 19 00-0496			Pendant Mount, LED Commercial Fixtures (DMF) <small>(26 51 19 00-0486)</small>		
26 51 19 00-0497	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	693.04	45.19
			<i>For >50 To 100, Deduct</i>	-19.21	
			<i>For >100 To 250, Deduct</i>	-36.53	
			<i>For >250 To 500, Deduct</i>	-69.30	
			<i>For >500, Deduct</i>	-102.07	
26 51 19 00-0498			LED Track Lighting Fixtures <small>(26 51 19)</small>		
26 51 19 00-0499	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	177.41	13.77
			<i>For >50 To 100, Deduct</i>	-4.95	
			<i>For >100 To 250, Deduct</i>	-9.39	
			<i>For >250 To 500, Deduct</i>	-17.74	
			<i>For >500, Deduct</i>	-26.10	
26 51 19 00-0500	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	313.94	13.77
			<i>For >50 To 100, Deduct</i>	-8.36	
			<i>For >100 To 250, Deduct</i>	-16.21	
			<i>For >250 To 500, Deduct</i>	-31.39	
			<i>For >500, Deduct</i>	-46.58	
26 51 19 00-0501	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	182.59	13.77
			<i>For >50 To 100, Deduct</i>	-5.08	
			<i>For >100 To 250, Deduct</i>	-9.65	
			<i>For >250 To 500, Deduct</i>	-18.26	
			<i>For >500, Deduct</i>	-26.87	
26 51 23			HID Interior Lighting <small>(26 51)</small>		
26 51 23 00-0001			Large Interior Area Fixtures <small>(26 51 23)</small>		
26 51 23 00-0002			Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0002)</small>		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	351.48	87.95
			<i>For Polycarbonate Lens, Add</i>	47.79	
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	365.68		93.39
		<i>For Polycarbonate Lens, Add</i>	47.79		
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	380.93		106.60
		<i>For Polycarbonate Lens, Add</i>	47.79		
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
26 51 23 00-0007		Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)			
26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	357.27		87.95
		<i>For Polycarbonate Lens, Add</i>	47.79		
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	368.26		93.39
		<i>For Polycarbonate Lens, Add</i>	47.79		
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	389.26		106.60
		<i>For Polycarbonate Lens, Add</i>	47.79		
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
26 51 23 00-0011		Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)			
		Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.			
26 51 23 00-0012		High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)			
26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	332.63		80.28
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	341.46		85.26
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	360.96		97.30
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0016		Metal Halide, Low Bay Fixtures (26 51 23 00-0011)			
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	327.14		80.28
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	335.43		85.26
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	362.25		97.30
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Enclosed And Gasketed, Add</i>	75.47		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
26 51 23 00-0020	EA	175 Watt Pulse Start Metal Halide Low Bay Fixture (Holophane Enduralume V)	815.19		37.95
		Note: Includes a glass refractor.			
		<i>For Acrylic Lens, Add</i>	70.00		
26 51 23 00-0021		High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)			
		Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.			
26 51 23 00-0022		High Pressure Sodium, High Bay Fixtures (26 51 23 00-0021)			
		Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.			
26 51 23 00-0023	EA	250 Watt High Pressure Sodium, High Bay Fixture	304.57		85.26
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Instant Quartz Restrike, Add</i>	60.00		
		<i>For Glass Or Acrylic Reflector, Add</i>	90.00		
		<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Security Chain, Add</i>	19.34		
		<i>For Optical Safety Chain, Add</i>	7.47		
		<i>For Ballast Safety Chain, Add</i>	12.13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0024	EA		400 Watt High Pressure Sodium, High Bay Fixture	327.96	97.30
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0025	EA		1,000 Watt High Pressure Sodium, High Bay Fixture	483.53	102.35
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0026			Metal Halide, High Bay Fixtures <small>(26 51 23 00-0021)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0027	EA		250 Watt Metal Halide, High Bay Fixture	281.22	85.26
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0028	EA		400 Watt Metal Halide, High Bay Fixture	307.89	97.30
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0029	EA		1,000 Watt Metal Halide, High Bay Fixture	406.44	102.35
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0030			Induction, High Bay Fixtures <small>(26 51 23 00-0021)</small>		
26 51 23 00-0031			Induction, High Bay Fixtures (Everlast®) <small>(26 51 23 00-0030)</small>		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0032	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	400.90	74.56
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	431.66	77.05
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	439.15	79.53
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	481.07	82.02
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	493.22	84.51
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	433.48	74.56
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	464.24	77.05
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	471.73	79.53
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	513.65	82.02
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0041	EA		250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	525.80	84.51
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0042			Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0001)</small>		
			Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0043			High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0042)</small>		
26 51 23 00-0044	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	259.34	57.18
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	461.91	57.18
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0046	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	531.08	57.18
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0047	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	711.09	57.18
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0048			Metal Halide, Ceiling Mounted, Large Interior Area Fixtures <small>(26 51 23 00-0042)</small>		
26 51 23 00-0049	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	272.56	57.18
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0050	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	288.31	63.45
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0051	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	306.66	68.72
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0052	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	337.09	81.85
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0053			High Pressure Sodium, Recessed Fixture Housings <small>(26 51 23)</small>		
26 51 23 00-0054	EA		4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	123.97	23.76
			<i>For Remodel T Housing, Add</i>	2.21	
			<i>For ICAT Housing, Add</i>	11.42	
26 51 23 00-0055	EA		5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	129.88	23.76
			<i>For Remodel T Housing, Add</i>	2.36	
			<i>For ICAT Housing, Add</i>	12.18	
26 51 23 00-0056	EA		6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	136.45	24.75
			<i>For Remodel T Housing, Add</i>	2.48	
			<i>For ICAT Housing, Add</i>	12.81	
26 51 23 00-0057	EA		7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	141.32	25.82
			<i>For Remodel T Housing, Add</i>	2.56	
			<i>For ICAT Housing, Add</i>	13.23	
26 51 23 00-0058	EA		8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	146.14	26.90
			<i>For Remodel T Housing, Add</i>	2.64	
			<i>For ICAT Housing, Add</i>	13.64	
26 51 23 00-0059	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	150.18	28.54
			<i>For Remodel T Housing, Add</i>	2.68	
			<i>For ICAT Housing, Add</i>	13.84	
26 51 23 00-0060			Metal Halide Track Lighting Fixtures <small>(26 51 23)</small>		
26 51 23 00-0061	EA		Metal Halide Track Lighting Fixture	81.20	13.77
26 51 23 00-0062			Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 23)</small>		
26 51 23 00-0063	EA		75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	159.55	33.00
			<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0064	EA		100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	165.18	33.00
			<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0065	EA		150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	176.61	33.00
			<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0066	EA		175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	193.80	33.00
			<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0067			High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <small>(26 51 23)</small>		
26 51 23 00-0068	EA		70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	146.15	33.00
			<i>For Wall Mounted, Add</i>	6.67	
26 51 23 00-0069	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	153.14	33.00
			<i>For Wall Mounted, Add</i>	6.67	
26 51 23 00-0070	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	180.17	33.00
			<i>For Wall Mounted, Add</i>	6.67	
26 51 33			Interior Lighting Accessories <small>(26 51)</small>		
26 51 33 00-0001			Accessories And Modifiers For Fixtures <small>(26 51 33)</small>		
26 51 33 00-0002			Lens Modifications <small>(26 51 33 00-0001)</small>		
26 51 33 00-0003	EA		For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	25.98	
26 51 33 00-0004	EA		For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	32.09	
26 51 33 00-0005	EA		For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	33.62	
26 51 33 00-0006	EA		For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	36.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0007	EA		For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	44.31	
26 51 33 00-0008	EA		For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	10.70	
26 51 33 00-0009	EA		For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.28	
26 51 33 00-0010	EA		For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	16.81	
26 51 33 00-0011	EA		For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	19.86	

26 51 33 00-0012 Pendant Mounting Modifications (26 51 33 00-0001)

Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.

26 51 33 00-0013	EA		For Pendant Mounting Up to 1'-6" Long Section.....	11.61	
			Note: Per pendant.		
26 51 33 00-0014	EA		For Pendant Mounting 2' Long Section.....	13.45	
			Note: Per pendant.		
26 51 33 00-0015	EA		For Pendant Mounting 3' Long Section.....	17.21	
			Note: Per pendant.		
26 51 33 00-0016	EA		For Pendant Mounting 4' Long Section.....	20.32	
			Note: Per pendant.		
26 51 33 00-0017	EA		For Pendant Mounting 6' Long Section.....	25.67	
			Note: Per pendant.		
26 51 33 00-0018	EA		For Pendant Mounting 8' Long Section.....	34.84	
			Note: Per pendant.		

26 51 33 00-0019 Lighting Accessories (26 51 33)

26 51 33 00-0020 Modular Flexible Wiring Systems (26 51 33 00-0019)

26 51 33 00-0021	EA		10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	70.58	4.45
26 51 33 00-0022	EA		15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	83.93	4.45
26 51 33 00-0023	EA		20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	101.70	4.45
26 51 33 00-0024	EA		15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	83.93	4.45
26 51 33 00-0025	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	68.91	4.45
26 51 33 00-0026	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	104.68	4.45
26 51 33 00-0027	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	56.41	4.45
26 51 33 00-0028	EA		3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	64.32	4.45
26 51 33 00-0029	EA		7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	84.56	4.45
26 51 33 00-0030	EA		7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	84.56	4.45
26 51 33 00-0031	EA		7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	86.05	4.45
26 51 33 00-0032	EA		7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	85.50	4.45
26 51 33 00-0033	EA		7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	85.50	4.45
26 51 33 00-0034	EA		15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	98.81	4.45
26 51 33 00-0035	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	43.41	4.45
26 51 33 00-0036	EA		3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	40.30	4.45
26 51 33 00-0037	EA		3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	41.39	4.45
26 51 33 00-0038	EA		3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	52.91	4.45
26 51 33 00-0039	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	70.58	4.45
26 51 33 00-0040	EA		15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	72.45	4.45
26 51 33 00-0041	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	55.77	4.45
26 51 33 00-0042	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	40.30	4.45
26 51 33 00-0043	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	37.12	

26 51 33 00-0044 Additional Lighting Wire Whips (26 51 33)

26 51 33 00-0045	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.27	
			Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		

26 51 33 00-0046 Removal And Reinstallation Of Light Fixtures (26 51 33)

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 33 00-0047	EA		Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	87.74	
26 51 33 00-0048	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	100.27	

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA		3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	169.40	20.63
26 52 13 13-0004	EA		10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	115.54	20.63
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	
26 52 13 13-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	186.03	20.63
			For Halogen Lamps, Add	27.55	
			For Self-Diagnostics, Add	87.50	

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	217.94	20.63
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	327.60	20.63
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	372.12	20.63
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	545.55	20.63
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0010			Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	115.04	12.38
26 52 13 13-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	115.84	12.38
26 52 13 13-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	118.54	12.38
26 52 13 13-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	118.10	12.38
26 52 13 13-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	101.57	12.38
26 52 13 13-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	68.74	12.38
26 52 13 13-0017			Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018			Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019			Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	303.38	20.63
			<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	253.58	20.63
			<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	399.13	20.63
			<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	424.25	20.63
			<i>For Wireguard, Add</i>	157.72	
26 52 13 13-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	608.47	20.63
			<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	960.90	20.63
			<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0026			Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	87.66	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	90.79	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	88.10	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	88.61	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	90.79	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	106.67	12.38
			<i>For Wireguard, Add</i>	127.28	
26 52 13 13-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033)		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	299.38	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 13-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	325.95	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	318.67	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	337.24	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	572.43	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	448.28	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	502.89	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	530.56	20.63
			<i>For Wireguard, Add</i>	153.35	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	75.65	12.38
26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	81.98	12.38
26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	75.72	12.38
26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	80.38	12.38
26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	68.41	12.38
26 52 13 13-0049			Outdoor Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 13 13-0049)</small>		
			Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	474.86	20.63
26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	567.70	20.63
26 52 13 13-0053			Recessed Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0054	EA		10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	518.22	20.63
			<i>For Wire Guard, Add</i>	60.00	
26 52 13 13-0055	EA		16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	403.06	41.25
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	582.99	41.25
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	167.98	
26 52 13 13-0057			Square Wraparound Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	234.43	20.63
26 52 13 16			Exit Signs <small>(26 52 13)</small>		
			Note: Excludes pendants.		
26 52 13 16-0001			LED Exit Signs <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	134.04	30.16
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For >50 To 100, Deduct</i>	-4.86	
			<i>For >100 To 250, Deduct</i>	-8.21	
			<i>For >250 To 500, Deduct</i>	-13.40	
			<i>For >500, Deduct</i>	-18.60	

26 Electrical

26 50 Lighting

26 52 Safety Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	134.04	30.16
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-4.86	
			For >100 To 250, Deduct	-8.21	
			For >250 To 500, Deduct	-13.40	
			For >500, Deduct	-18.60	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	189.19	30.16
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.24	
			For >100 To 250, Deduct	-10.97	
			For >250 To 500, Deduct	-18.92	
			For >500, Deduct	-26.87	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	189.19	30.16
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.24	
			For >100 To 250, Deduct	-10.97	
			For >250 To 500, Deduct	-18.92	
			For >500, Deduct	-26.87	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	208.89	30.16
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-6.73	
			For >100 To 250, Deduct	-11.95	
			For >250 To 500, Deduct	-20.89	
			For >500, Deduct	-29.83	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	237.64	30.16
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-7.45	
			For >100 To 250, Deduct	-13.39	
			For >250 To 500, Deduct	-23.76	
			For >500, Deduct	-34.14	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	196.88	30.16
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.43	
			For >100 To 250, Deduct	-11.35	
			For >250 To 500, Deduct	-19.69	
			For >500, Deduct	-28.02	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	217.74	30.16
			For Green LED Lamps, Add	15.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-6.95	
			For >100 To 250, Deduct	-12.39	
			For >250 To 500, Deduct	-21.77	
			For >500, Deduct	-31.15	
26 52 13 16-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	250.00	30.16
			Note: Includes two circular side mounted krypton emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-8.31	
			For >100 To 250, Deduct	-14.56	
			For >250 To 500, Deduct	-25.00	
			For >500, Deduct	-35.44	
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	259.01	30.16
			Note: Includes two circular side mounted LED emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-8.54	
			For >100 To 250, Deduct	-15.01	
			For >250 To 500, Deduct	-25.90	
			For >500, Deduct	-36.79	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	315.27	30.16
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-17.83	
			For >250 To 500, Deduct	-31.53	
			For >500, Deduct	-45.23	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	330.42	30.16
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-10.32	
			For >100 To 250, Deduct	-18.58	
			For >250 To 500, Deduct	-33.04	
			For >500, Deduct	-47.50	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	87.59	30.16
			For >50 To 100, Deduct	-3.70	
			For >100 To 250, Deduct	-5.89	
			For >250 To 500, Deduct	-8.76	
			For >500, Deduct	-11.63	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	87.94	30.20
			For >50 To 100, Deduct	-3.71	
			For >100 To 250, Deduct	-5.90	
			For >250 To 500, Deduct	-8.79	
			For >500, Deduct	-11.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 16-0016	Edge-Lit LED Exit Signs <small>(26 52 13 16)</small>				
Note: Includes red LED lamps.					
26 52 13 16-0017	EA		Single Face, Edge-Lit LED Exit Sign	293.19	30.16
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-8.84	
			For >100 To 250, Deduct	-16.17	
			For >250 To 500, Deduct	-29.32	
			For >500, Deduct	-42.47	
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign	315.10	30.16
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.39	
			For >100 To 250, Deduct	-17.26	
			For >250 To 500, Deduct	-31.51	
			For >500, Deduct	-45.76	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up	360.83	30.16
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.53	
			For >100 To 250, Deduct	-19.55	
			For >250 To 500, Deduct	-36.08	
			For >500, Deduct	-52.62	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up	376.97	30.16
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-10.93	
			For >100 To 250, Deduct	-20.36	
			For >250 To 500, Deduct	-37.70	
			For >500, Deduct	-55.04	

26 52 13 16-0021	Self-Luminous Tritium Exit Signs <small>(26 52 13 16)</small>				
Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.					
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	401.08	30.16
			For >50 To 100, Deduct	-11.53	
			For >100 To 250, Deduct	-21.56	
			For >250 To 500, Deduct	-40.11	
			For >500, Deduct	-58.65	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	741.49	30.16
			For >50 To 100, Deduct	-20.05	
			For >100 To 250, Deduct	-38.58	
			For >250 To 500, Deduct	-74.15	
			For >500, Deduct	-109.72	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	478.63	30.16
			For >50 To 100, Deduct	-13.47	
			For >100 To 250, Deduct	-25.44	
			For >250 To 500, Deduct	-47.86	
			For >500, Deduct	-70.29	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	803.75	30.16
			For >50 To 100, Deduct	-21.60	
			For >100 To 250, Deduct	-41.70	
			For >250 To 500, Deduct	-80.38	
			For >500, Deduct	-119.05	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	439.67	30.16
			For >50 To 100, Deduct	-12.50	
			For >100 To 250, Deduct	-23.49	
			For >250 To 500, Deduct	-43.97	
			For >500, Deduct	-64.44	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	803.75	30.16
			For >50 To 100, Deduct	-21.60	
			For >100 To 250, Deduct	-41.70	
			For >250 To 500, Deduct	-80.38	
			For >500, Deduct	-119.05	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	540.52	30.16
			For >50 To 100, Deduct	-15.02	
			For >100 To 250, Deduct	-28.53	
			For >250 To 500, Deduct	-54.05	
			For >500, Deduct	-79.57	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	998.89	30.16
			For >50 To 100, Deduct	-26.48	
			For >100 To 250, Deduct	-51.45	
			For >250 To 500, Deduct	-99.89	
			For >500, Deduct	-148.33	

26 52 13 16-0030	Vandal-Resistant LED Exit Signs <small>(26 52 13 16)</small>				
Note: Includes red LED lamps.					
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	378.15	30.16
			For >50 To 100, Deduct	-10.96	
			For >100 To 250, Deduct	-20.42	
			For >250 To 500, Deduct	-37.82	
			For >500, Deduct	-55.21	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	588.94	30.16
			For >50 To 100, Deduct	-16.23	
			For >100 To 250, Deduct	-30.95	
			For >250 To 500, Deduct	-58.89	
			For >500, Deduct	-86.83	

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0033	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	718.19	30.16
			<i>For >50 To 100, Deduct</i>	-19.46	
			<i>For >100 To 250, Deduct</i>	-37.42	
			<i>For >250 To 500, Deduct</i>	-71.82	
			<i>For >500, Deduct</i>	-106.22	
26 52 13 16-0034			Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)		
26 52 13 16-0035	EA		Removal And Reinstall Of Exit Light Fixtures	61.88	
			Note: Includes storage and cleaning.		
			<i>For >50 To 100, Deduct</i>	-3.09	
			<i>For >100 To 250, Deduct</i>	-4.64	
			<i>For >250 To 500, Deduct</i>	-6.19	
			<i>For >500, Deduct</i>	-7.74	
26 52 13 16-0036			Exit Sign Accessories (26 52 13 16)		
26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs.....	89.34	8.27
			<i>For >50 To 100, Deduct</i>	-2.65	
			<i>For >100 To 250, Deduct</i>	-4.88	
			<i>For >250 To 500, Deduct</i>	-8.93	
			<i>For >500, Deduct</i>	-12.99	
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights.....	51.70	8.27
			<i>For >50 To 100, Deduct</i>	-1.71	
			<i>For >100 To 250, Deduct</i>	-3.00	
			<i>For >250 To 500, Deduct</i>	-5.17	
			<i>For >500, Deduct</i>	-7.34	
26 52 13 16-0039	EA		Removal And Replacement Of Battery For Exit Signs	89.04	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100 To 250, Deduct</i>	-4.97	
			<i>For >250 To 500, Deduct</i>	-8.90	
			<i>For >500, Deduct</i>	-12.84	
26 54			Classified Location Lighting (26 50)		
26 54 19			LED Classified Location Lighting (26 54)		
26 54 19 00-0001			Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)		
26 54 19 00-0002			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV)		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA		5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,284.11	67.78
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-59.93	
			<i>For >100 To 250, Deduct</i>	-117.03	
			<i>For >250 To 500, Deduct</i>	-228.41	
			<i>For >500, Deduct</i>	-339.79	
26 54 19 00-0004	EA		7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	2,804.48	72.30
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-73.12	
			<i>For >100 To 250, Deduct</i>	-143.24	
			<i>For >250 To 500, Deduct</i>	-280.45	
			<i>For >500, Deduct</i>	-417.66	
26 54 19 00-0005	EA		9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,171.04	76.82
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-82.48	
			<i>For >100 To 250, Deduct</i>	-161.75	
			<i>For >250 To 500, Deduct</i>	-317.10	
			<i>For >500, Deduct</i>	-472.46	
26 54 19 00-0006	EA		11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,547.85	81.33
			<i>For Bolt-On Visor, Add</i>	89.03	
			<i>For Bolt-On Wire Guard, Add</i>	183.12	
			<i>For 480 Volt, Add</i>	156.78	
			<i>For Warm White Color Rendering, Add</i>	66.57	
			<i>For >50 To 100, Deduct</i>	-92.09	
			<i>For >100 To 250, Deduct</i>	-180.78	
			<i>For >250 To 500, Deduct</i>	-354.79	
			<i>For >500, Deduct</i>	-528.79	

Electrical	26	26
Lighting	26 50	
Classified Location Lighting	26 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 54 19 00-0007	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,335.55	63.27
	<i>For 12/24 Volt DC Driver, Add</i>	25.30	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Temperature LEDs, Add</i>	66.57	
	<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	34.45	
	<i>For Stanchion Mount, Add</i>	213.31	
	<i>For Ceiling Mount, Add</i>	85.54	
	<i>For Wall Mount, Add</i>	124.86	
	<i>For Teflon Coated Lens, Add</i>	109.75	
	<i>For Wall Mount With Junction Box, Add</i>	182.31	
	<i>For >50 To 100, Deduct</i>	-36.02	
	<i>For >100 To 250, Deduct</i>	-69.41	
	<i>For >250 To 500, Deduct</i>	-133.56	
	<i>For >500, Deduct</i>	-197.70	
26 54 19 00-0009	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,146.73	63.27
	<i>For Ceiling Mount, Add</i>	16.37	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-56.30	
	<i>For >100 To 250, Deduct</i>	-109.97	
	<i>For >250 To 500, Deduct</i>	-214.67	
	<i>For >500, Deduct</i>	-319.37	
26 54 19 00-0011	EA 3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,379.56	67.78
	<i>For Ceiling Mount, Add</i>	16.37	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-62.31	
	<i>For >100 To 250, Deduct</i>	-121.80	
	<i>For >250 To 500, Deduct</i>	-237.96	
	<i>For >500, Deduct</i>	-354.11	
26 54 19 00-0012	EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	2,668.91	72.30
	<i>For Ceiling Mount, Add</i>	16.37	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-69.74	
	<i>For >100 To 250, Deduct</i>	-136.46	
	<i>For >250 To 500, Deduct</i>	-266.89	
	<i>For >500, Deduct</i>	-397.32	
26 54 19 00-0013	EA 6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	3,488.50	76.82
	<i>For Ceiling Mount, Add</i>	16.37	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-90.41	
	<i>For >100 To 250, Deduct</i>	-177.63	
	<i>For >250 To 500, Deduct</i>	-348.85	
	<i>For >500, Deduct</i>	-520.07	
26 54 19 00-0014	EA 9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,007.01	81.33
	<i>For Ceiling Mount, Add</i>	16.37	
	<i>For Quick Clip Mounting Option, Add</i>	24.05	
	<i>For Frosted Lens, Add</i>	51.71	
	<i>For Warm White Color Rendering, Add</i>	66.57	
	<i>For Polycarbonate Lens, Add</i>	95.84	
	<i>For 480 Volt, Add</i>	156.78	
	<i>For >50 To 100, Deduct</i>	-103.56	
	<i>For >100 To 250, Deduct</i>	-203.74	
	<i>For >250 To 500, Deduct</i>	-400.70	
	<i>For >500, Deduct</i>	-597.66	
26 54 19 00-0015	Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		

26 Electrical
26 50 Lighting
26 54 Classified Location Lighting

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 54 19 00-0016	Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA 5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,058.59	67.78
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-79.29	
	For >100 To 250, Deduct	-155.75	
	For >250 To 500, Deduct	-305.86	
	For >500, Deduct	-455.96	
26 54 19 00-0018	EA 6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	3,722.35	72.30
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-96.07	
	For >100 To 250, Deduct	-189.13	
	For >250 To 500, Deduct	-372.24	
	For >500, Deduct	-555.34	
26 54 19 00-0019	EA 9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	4,326.53	76.82
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-111.36	
	For >100 To 250, Deduct	-219.53	
	For >250 To 500, Deduct	-432.65	
	For >500, Deduct	-645.78	
26 54 19 00-0020	EA 10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	4,941.86	81.33
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-126.94	
	For >100 To 250, Deduct	-250.48	
	For >250 To 500, Deduct	-494.19	
	For >500, Deduct	-737.89	
26 54 19 00-0021	EA 13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	5,728.94	78.32
	For Wall Mount, Deduct	-11.76	
	For Warm Color Temperature LEDs, Add	63.40	
	For Stainless Steel Guard, Add	113.80	
	For Ceiling Mount, Add	137.28	
	For Stanchion Mount, Add	159.77	
	For Yoke Mount, Add	399.42	
	For >50 To 100, Deduct	-146.80	
	For >100 To 250, Deduct	-290.02	
	For >250 To 500, Deduct	-572.89	
	For >500, Deduct	-855.76	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001	EA Bollards <small>(26 55 13)</small> Note: Excludes concrete base.		
26 55 13 00-0002	EA Aluminum Architectural Bollards <small>(26 55 13 00-0001)</small>		
26 55 13 00-0003	EA High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>		
26 55 13 00-0004	EA Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0003)</small>		
26 55 13 00-0005	EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.15	70.13
26 55 13 00-0006	EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,099.39	74.25
26 55 13 00-0007	EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,107.65	78.37
26 55 13 00-0008	EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,024.08	82.51
26 55 13 00-0009	EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.15	70.13
26 55 13 00-0010	EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,099.39	74.25
26 55 13 00-0011	EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,107.65	78.37
26 55 13 00-0012	EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,024.08	82.51
26 55 13 00-0013	EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,091.15	70.13
26 55 13 00-0014	EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,099.39	74.25
26 55 13 00-0015	EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,107.65	78.37
26 55 13 00-0016	EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,024.08	82.51

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,061.23	78.37
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	979.32	82.51
26 55 13 00-0092 LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>		
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0093)</small>		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,302.46	70.13
26 55 13 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,310.70	74.25
26 55 13 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,318.96	78.37
26 55 13 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,237.41	82.51
26 55 13 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,592.21	70.13
26 55 13 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,600.45	74.25
26 55 13 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,608.71	78.37
26 55 13 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	1,525.72	82.51
26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0102)</small>		
26 55 13 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,259.24	70.13
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,267.48	74.25
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,275.74	78.37
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,192.74	82.51
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,548.99	70.13
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,557.23	74.25
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,565.49	78.37
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	1,483.01	82.51
26 55 13 00-0111 Reinforced Concrete Bollards <small>(26 55 13 00-0111)</small>		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,064.89	206.26
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,882.27	274.98
26 55 13 00-0114 Low Voltage <small>(26 55 13)</small>		
26 55 13 00-0115 EA Low Voltage Recessed Uplight.....	549.74	150.16
26 55 13 00-0116 EA Low Voltage Walkway.....	389.89	82.51
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set.....	383.84	110.14
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier.....	332.65	82.51
26 55 13 00-0119 Recessed, Adjustable <small>(26 55 13)</small>		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	644.26	132.01
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	705.59	132.01
26 55 13 00-0122 Recessed, Uplight <small>(26 55 13)</small>		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	574.75	132.01
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	587.02	132.01
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	623.82	132.01
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight.....	619.73	132.01
26 55 13 00-0127 EA 5 Watt, LED Recessed Uplight.....	792.80	132.01
26 55 13 00-0128 EA 15 Watt, LED Recessed Uplight.....	873.50	132.01
26 55 13 00-0129 Recessed Wall Light <small>(26 55 13)</small>		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	295.85	82.51
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	283.59	82.51
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	461.53	110.14
26 55 13 00-0133 Step Lights <small>(26 55 13)</small>		
26 55 13 00-0134 EA Incandescent Step Light.....	242.36	66.00
26 55 13 00-0135 EA Fluorescent Step Light.....	283.30	66.00
26 55 13 00-0136 EA 5 Watt, LED Step Light.....	435.99	66.00
26 55 13 00-0137 EA 15 Watt, LED Step Light.....	522.07	66.00
26 55 16 Walkway Lighting <small>(26 55)</small>		
26 55 16 00-0001 Incandescent Walkway <small>(26 55 16)</small>		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	348.65	76.73
26 55 16 00-0003 Metal Halide Walkway <small>(26 55 16)</small>		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	534.41	120.62
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	568.70	125.00
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture.....	618.38	129.78
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture.....	660.82	140.26
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	584.21	129.78
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	600.17	120.62
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	609.74	125.00
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	496.65	85.97
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture.....	530.83	85.97
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	565.02	85.97

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture	638.09	96.77
	26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture	479.27	77.22
26 55 16 00-0016 High Pressure Sodium Walkway <small>(26 55 16)</small>						
	26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture	470.28	120.62
	26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	498.99	125.00
	26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture	539.87	129.78
	26 55 16 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture	577.65	140.26
	26 55 16 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	513.16	129.78
	26 55 16 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	521.66	120.62
	26 55 16 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	531.05	125.00
	26 55 16 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture	425.60	85.97
	26 55 16 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	452.31	85.97
	26 55 16 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture	479.02	85.97
	26 55 16 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture	540.87	96.77
	26 55 16 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	346.13	77.22
26 55 16 00-0029 Walkway, Adjustable <small>(26 55 16)</small>						
	26 55 16 00-0030	EA		2' Fluorescent Adjustable Walkway Fixture	507.02	110.14
	26 55 16 00-0031	EA		4' Fluorescent Adjustable Walkway Fixture	523.89	110.14
	26 55 16 00-0032	EA		8' Fluorescent Adjustable Walkway Fixture	925.96	165.01
	26 55 16 00-0033	EA		50 Watt Incandescent Adjustable Walkway Fixture	434.87	82.51
	26 55 16 00-0034	EA		150 Watt Incandescent Adjustable Walkway Fixture	457.36	82.51
26 55 16 00-0035 LED Walkway <small>(26 55 16)</small>						
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small>						
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.						
	26 55 16 00-0037	EA		13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	670.89	63.27
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0038	EA		18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	692.64	63.27
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0039	EA		36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	731.02	63.27
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0040	EA		42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	760.44	63.27
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
	26 55 16 00-0041	EA		96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	873.74	81.33
				<i>For Multi-Level Drive Currents, Add</i>	179.10	
26 55 16 00-0042 Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>						
	26 55 16 00-0043	EA		Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	3,084.03	
				Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>						
	26 55 16 00-0045	EA		43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	2,855.64	
	26 55 16 00-0046	EA		12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	2,803.69	
				Note: Washers and nuts included		
26 55 53 Security Lighting <small>(26 55)</small>						
26 55 53 11 Security Flood Lighting <small>(26 55 53)</small>						
26 55 53 11-0001 General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>						
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>						
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.						
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>						
	26 55 53 11-0004	EA		70 Watt High Pressure Sodium MPF Series GE Flood Light.....	264.13	72.32
	26 55 53 11-0005	EA		100 Watt High Pressure Sodium MPF Series GE Flood Light	266.51	72.32
	26 55 53 11-0006	EA		150 Watt High Pressure Sodium MPF Series GE Flood Light.....	270.50	72.32
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>						
	26 55 53 11-0008	EA		70 Watt Metal Halide MPF Series GE Flood Light	358.91	72.32
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>						
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.						
26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>						
	26 55 53 11-0011	EA		70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	536.15	96.43
	26 55 53 11-0012	EA		100 Watt High Pressure Sodium P-154 Series GE Flood Light	539.34	96.43
	26 55 53 11-0013	EA		150 Watt High Pressure Sodium P-154 Series GE Flood Light	544.91	96.43
	26 55 53 11-0014	EA		250 Watt High Pressure Sodium P-154 Series GE Flood Light	607.84	96.43
	26 55 53 11-0015	EA		400 Watt High Pressure Sodium P-154 Series GE Flood Light	626.16	96.43

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	530.58	96.43
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	558.45	96.43
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	572.79	96.43
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	546.72	108.49
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	550.70	108.49
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	557.08	108.49
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	619.20	108.49
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	636.73	108.49
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	541.94	108.49
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	569.02	108.49
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	583.36	108.49
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	734.69	108.49
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	790.45	108.49
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	786.47	108.49
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	806.38	108.49
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	755.40	108.49
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	772.13	108.49
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	789.65	108.49
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	996.96	120.54
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	996.96	120.54
26 55 53 11-0045		Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	950.76	120.54
26 55 53 11-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	811.16	108.49
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	826.29	108.49
26 55 53 11-0051		Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	819.92	108.49
26 55 53 11-0053		Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	139.82	24.11
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	80.88	24.11
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	117.52	24.11
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	89.64	24.11
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	225.89	72.32
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	98.40	24.11
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	166.16	72.32
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	173.32	72.32
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	73.71	24.11
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	71.32	24.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0064		Lithonia Contour Series Flood Lights <small>(26 55 53 11)</small>			
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.			
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>			
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	493.75		96.43
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	539.74		96.43
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	584.77		96.43
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>			
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light.....	640.97		96.43
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light.....	629.90		96.43
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light.....	612.06		96.43
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light.....	610.74		96.43
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>			
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	636.38		96.43
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>			
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	757.51		108.49
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	772.85		108.49
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>			
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light.....	723.03		108.49
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light.....	723.03		108.49
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light.....	747.09		108.49
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>			
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	725.75		96.43
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	748.71		96.43
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	767.89		96.43
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>			
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light.....	718.07		96.43
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light.....	741.06		96.43
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>			
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,410.15		120.54
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>			
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,084.33		120.54
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,199.32		120.54
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small>			
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	120.49		24.11
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light.....	233.36		24.11
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	99.20		24.11
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light.....	133.68		24.11
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	297.94		72.32
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light.....	236.92		72.32
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	236.92		72.32
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	261.26		72.32
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	115.25		24.11
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	91.87		24.11
26 55 53 11-0110		Eaton Flood Lights <small>(26 55 53 11)</small>			

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 55 53 11-0111	EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB) <i>For NEMA Photocontrol Option (Eaton OA/RA1016), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	777.80 41.28 -24.27 -43.71 -77.78 -111.85	96.43
26 55 53 11-0112	EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	965.26 -29.39 -53.52 -96.53 -139.53	105.20
26 55 53 11-0113	Ruud Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0114	NS (Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115	High Pressure Sodium NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116	EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light	324.66	72.32
26 55 53 11-0117	EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light	324.66	72.32
26 55 53 11-0118	EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light	324.66	72.32
26 55 53 11-0119	EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light	324.66	72.32
26 55 53 11-0120	EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light	324.66	72.32
26 55 53 11-0121	Metal Halide NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0122	EA 50 Watt Metal Halide NS Series Ruud Flood Light	369.26	72.32
26 55 53 11-0123	EA 70 Watt Metal Halide NS Series Ruud Flood Light	369.26	72.32
26 55 53 11-0124	EA 100 Watt Metal Halide NS Series Ruud Flood Light	369.26	72.32
26 55 53 11-0125	Compact Fluorescent NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126	EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	278.46	72.32
26 55 53 11-0127	EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	289.61	72.32
26 55 53 11-0128	EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	292.80	72.32
26 55 53 11-0129	EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	295.99	72.32
26 55 53 11-0130	NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131	High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132	EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	500.52	108.49
26 55 53 11-0133	EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	529.20	108.49
26 55 53 11-0134	EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	545.13	108.49
26 55 53 11-0135	Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136	EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	494.15	108.49
26 55 53 11-0137	EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	497.34	108.49
26 55 53 11-0138	EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	506.90	108.49
26 55 53 11-0139	Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140	EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	483.00	108.49
26 55 53 11-0141	FS (Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142	High Pressure Sodium FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143	EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	584.95	108.49
26 55 53 11-0144	EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	588.14	108.49
26 55 53 11-0145	EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	997.76	120.54
26 55 53 11-0146	Metal Halide FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147	EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	584.95	108.49
26 55 53 11-0148	EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	588.14	108.49
26 55 53 11-0149	EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	597.70	108.49
26 55 53 11-0150	EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	892.62	120.54
26 55 53 11-0151	MFS (Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152	High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153	EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	458.89	96.43
26 55 53 11-0154	EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	492.34	96.43
26 55 53 11-0155	EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	492.34	96.43
26 55 53 11-0156	EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	492.34	96.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	492.34	96.43
26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>					
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light.....	503.50	96.43
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light.....	503.50	96.43
26 55 53 11-0161	EA		100 Watt Metal Halide MFS Series Ruud Flood Light.....	503.50	96.43
26 55 53 11-0162	EA		175 Watt Metal Halide MFS Series Ruud Flood Light.....	485.97	96.43
26 55 53 11-0163 MCF/MPM/MPN (Mini Cutoff, Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>					
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.					
26 55 53 11-0164 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>					
26 55 53 11-0165	EA		35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	498.72	96.43
26 55 53 11-0166	EA		50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	532.17	96.43
26 55 53 11-0167	EA		70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	532.17	96.43
26 55 53 11-0168	EA		100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	532.17	96.43
26 55 53 11-0169	EA		150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	532.17	96.43
26 55 53 11-0170 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>					
26 55 53 11-0171	EA		50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	543.32	96.43
26 55 53 11-0172	EA		70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	543.32	96.43
26 55 53 11-0173	EA		100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	543.32	96.43
26 55 53 11-0174	EA		175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	525.80	96.43
26 55 53 11-0175 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>					
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.					
26 55 53 11-0176 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>					
26 55 53 11-0177	EA		250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	659.82	108.49
26 55 53 11-0178	EA		400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	675.75	108.49
26 55 53 11-0179	EA		1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,037.58	120.54
26 55 53 11-0180 Metal Halide CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>					
26 55 53 11-0181	EA		175 Watt Metal Halide CF Series Ruud Flood Light.....	624.78	108.49
26 55 53 11-0182	EA		250 Watt Metal Halide CF Series Ruud Flood Light.....	627.96	108.49
26 55 53 11-0183	EA		400 Watt Metal Halide CF Series Ruud Flood Light.....	637.52	108.49
26 55 53 11-0184	EA		1,000 Watt Metal Halide CF Series Ruud Flood Light.....	932.44	120.54
26 55 53 11-0185 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>					
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.					
26 55 53 11-0186 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>					
26 55 53 11-0187	EA		400 High Pressure Sodium CN Series Ruud Flood Light.....	852.79	120.54
26 55 53 11-0188	EA		1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,018.46	120.54
26 55 53 11-0189 Metal Halide CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>					
26 55 53 11-0190	EA		400 Watt Metal Halide CN Series Ruud Flood Light.....	814.56	120.54
26 55 53 11-0191	EA		1,000 Watt Metal Halide CN Series Ruud Flood Light.....	913.33	120.54
26 55 53 11-0192 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>					
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.					
26 55 53 11-0193 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>					
26 55 53 11-0194	EA		250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	682.13	108.49
26 55 53 11-0195	EA		400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	698.06	108.49
26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>					
26 55 53 11-0197	EA		175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	647.08	108.49
26 55 53 11-0198	EA		250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	650.27	108.49
26 55 53 11-0199	EA		400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	659.82	108.49
26 55 53 11-0200	EA		1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	954.74	120.54
26 55 53 11-0201 Accessories For Ruud Flood Lighting <small>(26 55 53 11-0113)</small>					
26 55 53 11-0202	EA		Wireguard For Ruud Flood Light.....	72.12	24.11
26 55 53 11-0203	EA		Deep Baffle (Full Visor) For Ruud Flood Light.....	115.13	24.11
26 55 53 11-0204	EA		Glare Guard (Upper Visor) For Ruud Flood Light.....	83.27	24.11
26 55 53 11-0205	EA		Vandal Shield For Ruud Flood Light.....	99.20	24.11
26 55 53 11-0206	EA		Pipe Mounting Bracket For Ruud Flood Light.....	198.81	72.32
26 55 53 11-0207	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	62.56	24.11
26 55 53 11-0208 Lumark Flood Lights <small>(26 55 53 11)</small>					

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0209			QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208) Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA		500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	177.23	72.32
26 55 53 11-0211			LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208) Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA		1,500 Watt LQL Series Quartz Lumark Flood Light	224.22	72.32
26 55 53 11-0213			Kim Lighting (26 55 53 11)		
26 55 53 11-0214			MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215			LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)		
26 55 53 11-0216	EA		5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	371.48	28.94
			For >50 To 100, Deduct	-10.73	
			For >100 To 250, Deduct	-20.02	
			For >250 To 500, Deduct	-37.15	
			For >500, Deduct	-54.27	
26 55 53 11-0217	EA		15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	459.87	28.94
			For >50 To 100, Deduct	-12.94	
			For >100 To 250, Deduct	-24.44	
			For >250 To 500, Deduct	-45.99	
			For >500, Deduct	-67.53	
26 55 53 11-0218			Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219			LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218) Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA		6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	568.58	28.94
			For >50 To 100, Deduct	-15.66	
			For >100 To 250, Deduct	-29.88	
			For >250 To 500, Deduct	-56.86	
			For >500, Deduct	-83.84	
26 55 53 11-0221			CREE® BetaLED® Flood Lights (26 55 53 11)		
26 55 53 11-0222			Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA		40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	873.21	86.06
			For >50 To 100, Deduct	-26.13	
			For >100 To 250, Deduct	-47.96	
			For >250 To 500, Deduct	-87.32	
			For >500, Deduct	-126.68	
26 55 53 11-0224	EA		60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	956.97	90.86
			For >50 To 100, Deduct	-28.47	
			For >100 To 250, Deduct	-52.39	
			For >250 To 500, Deduct	-95.70	
			For >500, Deduct	-139.00	
26 55 53 11-0225			Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) (26 55 53 11-0221) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA		20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	757.46	81.28
			For 480 Volt, Add	74.30	
			For >50 To 100, Deduct	-23.00	
			For >100 To 250, Deduct	-41.94	
			For >250 To 500, Deduct	-75.75	
			For >500, Deduct	-109.55	
26 55 53 11-0227	EA		40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	955.08	86.06
			For 480 Volt, Add	74.30	
			For >50 To 100, Deduct	-28.18	
			For >100 To 250, Deduct	-52.06	
			For >250 To 500, Deduct	-95.51	
			For >500, Deduct	-138.96	
26 55 53 11-0228	EA		60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,152.70	90.86
			For 480 Volt, Add	74.30	
			For >50 To 100, Deduct	-33.36	
			For >100 To 250, Deduct	-62.18	
			For >250 To 500, Deduct	-115.27	
			For >500, Deduct	-168.36	
26 55 53 11-0229	EA		80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,425.80	95.64
			For 480 Volt, Add	74.30	
			For >50 To 100, Deduct	-40.43	
			For >100 To 250, Deduct	-76.07	
			For >250 To 500, Deduct	-142.58	
			For >500, Deduct	-209.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0230	EA	100	LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,623.43	100.42
			<i>For 480 Volt, Add</i>	74.30	
			<i>For >50 To 100, Deduct</i>	-45.61	
			<i>For >100 To 250, Deduct</i>	-86.19	
			<i>For >250 To 500, Deduct</i>	-162.34	
			<i>For >500, Deduct</i>	-238.49	
26 55 53 11-0231	EA	120	LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,821.05	105.20
			<i>For 480 Volt, Add</i>	74.30	
			<i>For >50 To 100, Deduct</i>	-50.79	
			<i>For >100 To 250, Deduct</i>	-96.31	
			<i>For >250 To 500, Deduct</i>	-182.11	
			<i>For >500, Deduct</i>	-267.90	
26 55 53 11-0232	EA	140	LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,078.80	109.98
			<i>For 480 Volt, Add</i>	74.30	
			<i>For >50 To 100, Deduct</i>	-57.47	
			<i>For >100 To 250, Deduct</i>	-109.44	
			<i>For >250 To 500, Deduct</i>	-207.88	
			<i>For >500, Deduct</i>	-306.32	
26 55 53 11-0233	EA	160	LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,276.42	114.76
			<i>For 480 Volt, Add</i>	74.30	
			<i>For >50 To 100, Deduct</i>	-62.65	
			<i>For >100 To 250, Deduct</i>	-119.56	
			<i>For >250 To 500, Deduct</i>	-227.64	
			<i>For >500, Deduct</i>	-335.73	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 55 53 11-0221)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120	LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,745.57	105.20
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Bird Spikes, Add</i>	34.29	
			<i>For 5,000K Color Temperature, Add</i>	37.72	
			<i>For Fuse, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For 1,000mA Driver, Add</i>	126.74	
			<i>For >50 To 100, Deduct</i>	-48.90	
			<i>For >100 To 250, Deduct</i>	-92.54	
			<i>For >250 To 500, Deduct</i>	-174.56	
			<i>For >500, Deduct</i>	-256.58	
26 55 53 11-0236	EA	240	LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,965.77	129.11
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For 5,000K Color Temperature, Add</i>	37.72	
			<i>For Fuse, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	50.94	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For 1,000mA Driver, Add</i>	126.74	
			<i>For 480 Volt, Add</i>	135.79	
			<i>For >50 To 100, Deduct</i>	-80.60	
			<i>For >100 To 250, Deduct</i>	-154.74	
			<i>For >250 To 500, Deduct</i>	-296.58	
			<i>For >500, Deduct</i>	-438.41	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112	Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,018.38	105.20
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	26.36	
			<i>For Rotated Optics, Back Light Shield, Add</i>	26.36	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Fuse, Add</i>	45.26	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For >50 To 100, Deduct</i>	-30.72	
			<i>For >100 To 250, Deduct</i>	-56.18	
			<i>For >250 To 500, Deduct</i>	-101.84	
			<i>For >500, Deduct</i>	-147.50	

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Field Adjustable Output, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Type II Medium Or Type V Short Optics, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,089.68 15.08 26.36 26.36 22.64 45.26 45.26 218.25 98.07 -32.50 -59.74 -108.97 -158.19	105.20
26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Field Adjustable Output, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,398.89 15.08 22.64 31.92 31.92 45.26 45.26 98.07 -41.43 -76.40 -139.89 -203.38	129.11
26 55 53 11-0241 PlanLED Flood Lights (26 55 53 11)					
26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)					
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	457.85 -15.75 -27.20 -45.79 -64.37	86.06
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	547.99 -18.24 -31.94 -54.80 -77.66	90.86
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	632.66 -20.72 -36.53 -63.27 -90.00	98.02
26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)					
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,283.61 62.75 -41.65 -73.74 -128.36 -182.98	191.26
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,994.22 62.75 -59.42 -109.27 -199.42 -289.57	191.26
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	3,523.85 62.75 -97.66 -185.76 -352.39 -519.01	191.26
26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)					
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,138.00 62.75 -24.89 -34.67 -63.12 -113.80 -164.48	124.32
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,458.17 62.75 75.66 -42.91 -79.36 -145.82 -212.27	129.11

Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,861.88	133.89
		<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
		<i>For 480 Volt, Add</i>	60.73	
		<i>For >50 To 100, Deduct</i>	-53.24	
		<i>For >100 To 250, Deduct</i>	-99.79	
		<i>For >250 To 500, Deduct</i>	-186.19	
		<i>For >500, Deduct</i>	-272.59	

26 55 53 12 Security Hazardous Location Flood Lights (26 55 53)

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001		Lithonia Hazardous Location Flood Lights (26 55 53 12)		
26 55 53 12-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	719.04	96.43
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	768.43	96.43
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	720.64	96.43
26 55 53 12-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	763.15	96.43
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	739.75	96.43
26 55 53 12-0010		HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	685.10	96.43
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	714.57	96.43
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	605.45	96.43
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	969.08	120.54
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	983.42	120.54
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	964.30	120.54
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	983.42	120.54
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
		Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	718.77	108.49
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	774.52	108.49
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights (26 55 53 12-0001)		
		See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		Security High Performance Flood Lights (26 55 53)		
		Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights (26 55 53 13)		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights (26 55 53 13-0001)		
		Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 55 53 13-0003	High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004	EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,673.61	144.65
26 55 53 13-0005	EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,804.23	144.65
26 55 53 13-0006	EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,810.61	144.65
26 55 53 13-0007	EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,009.73	144.65
26 55 53 13-0008	Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009	EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,926.89	144.65
26 55 53 13-0010	EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,838.56	144.65
26 55 53 13-0011	EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,754.85	144.65
26 55 53 13-0012	EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,837.69	144.65
26 55 53 13-0013	Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
26 55 63	Detention Lighting <small>(26 55)</small>		
26 55 63 00-0001	Maximum Security Recessed Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FMR Series.		
26 55 63 00-0002	EA 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	840.46	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0003	EA 12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	923.34	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0004	EA 24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	817.28	32.57
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0005	EA 24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	1,095.56	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0006	EA 24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire	1,098.91	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0007	EA 24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	1,102.25	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0008	EA 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	840.46	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0009	EA 12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	963.11	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0010	EA 24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	857.05	32.57
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0011	EA 24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	976.26	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0012	EA 24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	979.61	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0013	EA 24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire	982.95	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.		
26 55 63 00-0014	EA 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	741.04	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0015	EA 12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	744.39	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0016	EA 24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	896.82	32.57
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0017	EA 24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	1,055.79	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0018	EA 24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	1,067.09	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0019	EA 24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire	1,070.44	37.99
	Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0020	Maximum Security Surface Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FUS Series.		
26 55 63 00-0021	EA 12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire	760.92	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		
26 55 63 00-0022	EA 12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire	943.22	27.13
	Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 63 00-0023	EA			12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire..... 721.16 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	721.16	27.13
26 55 63 00-0024	EA			12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire 724.50 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	724.50	27.13
26 55 63 00-0025	EA			16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire..... 717.87 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	717.87	32.57
26 55 63 00-0026	EA			16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire..... 872.71 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	872.71	35.27
26 55 63 00-0027	EA			16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire 895.94 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	895.94	35.27
26 55 63 00-0028	EA			16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire 899.29 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	899.29	35.27

26 55 63 00-0029 Ultimax Security Surface Luminaire (26 55 63)
 Note: Cooper Lighting Fail-Safe FMS Series.

26 55 63 00-0030	EA			12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire 681.39 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	681.39	27.13
26 55 63 00-0031	EA			12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire..... 883.57 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	883.57	27.13
26 55 63 00-0032	EA			24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire 757.63 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	757.63	32.57
26 55 63 00-0033	EA			24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire 777.42 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	777.42	37.99
26 55 63 00-0034	EA			24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire..... 780.77 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	780.77	37.99
26 55 63 00-0035	EA			24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire..... 784.12 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	784.12	37.99

26 55 63 00-0036 Maximum Security Wall Luminaire (26 55 63)
 Note: Cooper Lighting Fail-Safe FMW Series.

26 55 63 00-0037	EA			10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire 919.99 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	919.99	27.23
26 55 63 00-0038	EA			10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire..... 923.34 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	923.34	27.23
26 55 63 00-0039	EA			10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire..... 926.68 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	926.68	27.23

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles and Standards (26 56)

26 56 13 00-0001				Standards And Arms <small>(26 56 13)</small> Note: As manufactured by Hapco Aluminum Pole Products.		
26 56 13 00-0002				Roadway Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0003				Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004				Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005				Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006				Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA			20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base 3,800.93 For Galvanized Finish, Add 96.67 For >10 To 20, Deduct -95.02 For >20 To 40, Deduct -190.05 For >40, Deduct -299.53	3,800.93	289.29
26 56 13 00-0008	EA			20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base 3,808.89 For Galvanized Finish, Add 96.91 For >10 To 20, Deduct -95.22 For >20 To 40, Deduct -190.44 For >40, Deduct -300.13	3,808.89	289.29

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,048.95	385.72
		<i>For Galvanized Finish, Add</i>	98.33	
		<i>For >10 To 20, Deduct</i>	-101.22	
		<i>For >20 To 40, Deduct</i>	-202.45	
		<i>For >40, Deduct</i>	-322.96	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,144.72	385.72
		<i>For Galvanized Finish, Add</i>	101.20	
		<i>For >10 To 20, Deduct</i>	-103.62	
		<i>For >20 To 40, Deduct</i>	-207.24	
		<i>For >40, Deduct</i>	-330.14	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,240.49	385.72
		<i>For Galvanized Finish, Add</i>	104.07	
		<i>For >10 To 20, Deduct</i>	-106.01	
		<i>For >20 To 40, Deduct</i>	-212.02	
		<i>For >40, Deduct</i>	-337.32	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,357.08	433.93
		<i>For Galvanized Finish, Add</i>	104.68	
		<i>For >10 To 20, Deduct</i>	-108.93	
		<i>For >20 To 40, Deduct</i>	-217.85	
		<i>For >40, Deduct</i>	-348.48	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,402.50	433.93
		<i>For Galvanized Finish, Add</i>	106.04	
		<i>For >10 To 20, Deduct</i>	-110.06	
		<i>For >20 To 40, Deduct</i>	-220.13	
		<i>For >40, Deduct</i>	-351.88	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,411.14	433.93
		<i>For Galvanized Finish, Add</i>	106.30	
		<i>For >10 To 20, Deduct</i>	-110.28	
		<i>For >20 To 40, Deduct</i>	-220.56	
		<i>For >40, Deduct</i>	-352.53	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,620.58	458.04
		<i>For Galvanized Finish, Add</i>	111.13	
		<i>For >10 To 20, Deduct</i>	-115.51	
		<i>For >20 To 40, Deduct</i>	-231.03	
		<i>For >40, Deduct</i>	-369.45	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,654.88	458.04
		<i>For Galvanized Finish, Add</i>	112.16	
		<i>For >10 To 20, Deduct</i>	-116.37	
		<i>For >20 To 40, Deduct</i>	-232.74	
		<i>For >40, Deduct</i>	-372.02	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,692.33	458.04
		<i>For Galvanized Finish, Add</i>	113.29	
		<i>For >10 To 20, Deduct</i>	-117.31	
		<i>For >20 To 40, Deduct</i>	-234.62	
		<i>For >40, Deduct</i>	-374.83	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	5,411.47	482.15
		<i>For Galvanized Finish, Add</i>	133.42	
		<i>For >10 To 20, Deduct</i>	-135.29	
		<i>For >20 To 40, Deduct</i>	-270.57	
		<i>For >40, Deduct</i>	-429.97	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	5,423.68	482.15
		<i>For Galvanized Finish, Add</i>	133.78	
		<i>For >10 To 20, Deduct</i>	-135.59	
		<i>For >20 To 40, Deduct</i>	-271.18	
		<i>For >40, Deduct</i>	-430.88	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	5,435.75	482.15
		<i>For Galvanized Finish, Add</i>	134.14	
		<i>For >10 To 20, Deduct</i>	-135.89	
		<i>For >20 To 40, Deduct</i>	-271.79	
		<i>For >40, Deduct</i>	-431.79	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style**Arms** (26 56 13 00-0005)

26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,766.56	337.50
		<i>For Galvanized Finish, Add</i>	122.75	
		<i>For >10 To 20, Deduct</i>	-119.16	
		<i>For >20 To 40, Deduct</i>	-238.33	
		<i>For >40, Deduct</i>	-374.37	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,841.83	349.56
		<i>For Galvanized Finish, Add</i>	124.28	
		<i>For >10 To 20, Deduct</i>	-121.05	
		<i>For >20 To 40, Deduct</i>	-242.09	
		<i>For >40, Deduct</i>	-380.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,904.50	361.61
			<i>For Galvanized Finish, Add</i>	125.44	
			<i>For >10 To 20, Deduct</i>	-122.61	
			<i>For >20 To 40, Deduct</i>	-245.23	
			<i>For >40, Deduct</i>	-385.92	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,627.65	433.93
			<i>For Galvanized Finish, Add</i>	112.79	
			<i>For >10 To 20, Deduct</i>	-115.69	
			<i>For >20 To 40, Deduct</i>	-231.38	
			<i>For >40, Deduct</i>	-368.77	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,672.07	445.99
			<i>For Galvanized Finish, Add</i>	113.40	
			<i>For >10 To 20, Deduct</i>	-116.80	
			<i>For >20 To 40, Deduct</i>	-233.60	
			<i>For >40, Deduct</i>	-372.70	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,704.41	458.04
			<i>For Galvanized Finish, Add</i>	113.65	
			<i>For >10 To 20, Deduct</i>	-117.61	
			<i>For >20 To 40, Deduct</i>	-235.22	
			<i>For >40, Deduct</i>	-375.73	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,974.89	482.15
			<i>For Galvanized Finish, Add</i>	120.32	
			<i>For >10 To 20, Deduct</i>	-124.37	
			<i>For >20 To 40, Deduct</i>	-248.74	
			<i>For >40, Deduct</i>	-397.22	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,011.35	494.20
			<i>For Galvanized Finish, Add</i>	120.69	
			<i>For >10 To 20, Deduct</i>	-125.28	
			<i>For >20 To 40, Deduct</i>	-250.57	
			<i>For >40, Deduct</i>	-400.56	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,043.28	506.26
			<i>For Galvanized Finish, Add</i>	120.92	
			<i>For >10 To 20, Deduct</i>	-126.08	
			<i>For >20 To 40, Deduct</i>	-252.16	
			<i>For >40, Deduct</i>	-403.56	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,285.85	506.26
			<i>For Galvanized Finish, Add</i>	128.20	
			<i>For >10 To 20, Deduct</i>	-132.15	
			<i>For >20 To 40, Deduct</i>	-264.29	
			<i>For >40, Deduct</i>	-421.75	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,363.06	518.31
			<i>For Galvanized Finish, Add</i>	129.79	
			<i>For >10 To 20, Deduct</i>	-134.08	
			<i>For >20 To 40, Deduct</i>	-268.15	
			<i>For >40, Deduct</i>	-428.15	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,437.51	530.37
			<i>For Galvanized Finish, Add</i>	131.30	
			<i>For >10 To 20, Deduct</i>	-135.94	
			<i>For >20 To 40, Deduct</i>	-271.88	
			<i>For >40, Deduct</i>	-434.33	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	6,029.54	530.37
			<i>For Galvanized Finish, Add</i>	149.06	
			<i>For >10 To 20, Deduct</i>	-150.74	
			<i>For >20 To 40, Deduct</i>	-301.48	
			<i>For >40, Deduct</i>	-478.73	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	6,061.61	542.42
			<i>For Galvanized Finish, Add</i>	149.30	
			<i>For >10 To 20, Deduct</i>	-151.54	
			<i>For >20 To 40, Deduct</i>	-303.08	
			<i>For >40, Deduct</i>	-481.74	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	6,093.95	554.48
			<i>For Galvanized Finish, Add</i>	149.55	
			<i>For >10 To 20, Deduct</i>	-152.35	
			<i>For >20 To 40, Deduct</i>	-304.70	
			<i>For >40, Deduct</i>	-484.77	
26 56 13 00-0037			Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,476.23	482.15
			<i>For Galvanized Finish, Add</i>	135.36	
			<i>For >10 To 20, Deduct</i>	-136.91	
			<i>For >20 To 40, Deduct</i>	-273.81	
			<i>For >40, Deduct</i>	-434.82	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,532.54	506.26
		<i>For Galvanized Finish, Add</i>	135.60	
		<i>For >10 To 20, Deduct</i>	-138.31	
		<i>For >20 To 40, Deduct</i>	-276.63	
		<i>For >40, Deduct</i>	-440.25	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,600.92	530.37
		<i>For Galvanized Finish, Add</i>	136.21	
		<i>For >10 To 20, Deduct</i>	-140.02	
		<i>For >20 To 40, Deduct</i>	-280.05	
		<i>For >40, Deduct</i>	-446.59	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,774.89	530.37
		<i>For Galvanized Finish, Add</i>	141.42	
		<i>For >10 To 20, Deduct</i>	-144.37	
		<i>For >20 To 40, Deduct</i>	-288.74	
		<i>For >40, Deduct</i>	-459.64	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,835.05	554.48
		<i>For Galvanized Finish, Add</i>	141.78	
		<i>For >10 To 20, Deduct</i>	-145.88	
		<i>For >20 To 40, Deduct</i>	-291.75	
		<i>For >40, Deduct</i>	-465.35	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,891.37	578.58
		<i>For Galvanized Finish, Add</i>	142.03	
		<i>For >10 To 20, Deduct</i>	-147.28	
		<i>For >20 To 40, Deduct</i>	-294.57	
		<i>For >40, Deduct</i>	-470.78	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	6,154.32	554.48
		<i>For Galvanized Finish, Add</i>	151.36	
		<i>For >10 To 20, Deduct</i>	-153.86	
		<i>For >20 To 40, Deduct</i>	-307.72	
		<i>For >40, Deduct</i>	-489.30	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,210.64	578.58
		<i>For Galvanized Finish, Add</i>	151.60	
		<i>For >10 To 20, Deduct</i>	-155.27	
		<i>For >20 To 40, Deduct</i>	-310.53	
		<i>For >40, Deduct</i>	-494.73	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,266.94	602.69
		<i>For Galvanized Finish, Add</i>	151.85	
		<i>For >10 To 20, Deduct</i>	-156.67	
		<i>For >20 To 40, Deduct</i>	-313.35	
		<i>For >40, Deduct</i>	-500.16	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	6,647.63	578.58
		<i>For Galvanized Finish, Add</i>	164.71	
		<i>For >10 To 20, Deduct</i>	-166.19	
		<i>For >20 To 40, Deduct</i>	-332.38	
		<i>For >40, Deduct</i>	-527.50	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,703.52	602.69
		<i>For Galvanized Finish, Add</i>	164.94	
		<i>For >10 To 20, Deduct</i>	-167.59	
		<i>For >20 To 40, Deduct</i>	-335.18	
		<i>For >40, Deduct</i>	-532.90	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,767.92	626.80
		<i>For Galvanized Finish, Add</i>	165.43	
		<i>For >10 To 20, Deduct</i>	-169.20	
		<i>For >20 To 40, Deduct</i>	-338.40	
		<i>For >40, Deduct</i>	-538.93	

26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style**Arms** (26 56 13 00-0005)

26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,098.28	530.37
		<i>For Galvanized Finish, Add</i>	151.13	
		<i>For >10 To 20, Deduct</i>	-152.46	
		<i>For >20 To 40, Deduct</i>	-304.91	
		<i>For >40, Deduct</i>	-483.89	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,182.69	566.53
		<i>For Galvanized Finish, Add</i>	151.49	
		<i>For >10 To 20, Deduct</i>	-154.57	
		<i>For >20 To 40, Deduct</i>	-309.13	
		<i>For >40, Deduct</i>	-492.03	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,262.96	602.69
		<i>For Galvanized Finish, Add</i>	151.73	
		<i>For >10 To 20, Deduct</i>	-156.57	
		<i>For >20 To 40, Deduct</i>	-313.15	
		<i>For >40, Deduct</i>	-499.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,446.49	578.58
			For Galvanized Finish, Add	158.68	
			For >10 To 20, Deduct	-161.16	
			For >20 To 40, Deduct	-322.32	
			For >40, Deduct	-512.42	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,527.32	614.75
			For Galvanized Finish, Add	158.93	
			For >10 To 20, Deduct	-163.18	
			For >20 To 40, Deduct	-326.37	
			For >40, Deduct	-520.29	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,561.48	650.91
			For Galvanized Finish, Add	157.79	
			For >10 To 20, Deduct	-164.04	
			For >20 To 40, Deduct	-328.07	
			For >40, Deduct	-524.66	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,954.19	602.69
			For Galvanized Finish, Add	172.46	
			For >10 To 20, Deduct	-173.85	
			For >20 To 40, Deduct	-347.71	
			For >40, Deduct	-551.70	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,089.63	638.85
			For Galvanized Finish, Add	174.36	
			For >10 To 20, Deduct	-177.24	
			For >20 To 40, Deduct	-354.48	
			For >40, Deduct	-563.66	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,119.28	675.02
			For Galvanized Finish, Add	173.08	
			For >10 To 20, Deduct	-177.98	
			For >20 To 40, Deduct	-355.96	
			For >40, Deduct	-567.70	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	7,265.29	626.80
			For Galvanized Finish, Add	180.35	
			For >10 To 20, Deduct	-181.63	
			For >20 To 40, Deduct	-363.26	
			For >40, Deduct	-576.24	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,345.56	662.96
			For Galvanized Finish, Add	180.59	
			For >10 To 20, Deduct	-183.64	
			For >20 To 40, Deduct	-367.28	
			For >40, Deduct	-584.06	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,429.97	699.12
			For Galvanized Finish, Add	180.95	
			For >10 To 20, Deduct	-185.75	
			For >20 To 40, Deduct	-371.50	
			For >40, Deduct	-592.20	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,345.31	385.72
			For Galvanized Finish, Add	107.22	
			For >10 To 20, Deduct	-108.63	
			For >20 To 40, Deduct	-217.27	
			For >40, Deduct	-345.18	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,920.72	433.93
			For Galvanized Finish, Add	121.59	
			For >10 To 20, Deduct	-123.02	
			For >20 To 40, Deduct	-246.04	
			For >40, Deduct	-390.75	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,035.62	458.04
			For Galvanized Finish, Add	123.59	
			For >10 To 20, Deduct	-125.89	
			For >20 To 40, Deduct	-251.78	
			For >40, Deduct	-400.57	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	6,106.81	482.15
			For Galvanized Finish, Add	154.28	
			For >10 To 20, Deduct	-152.67	
			For >20 To 40, Deduct	-305.34	
			For >40, Deduct	-482.12	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0071	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,775.93	385.72
	<i>For Galvanized Finish, Add</i>	150.13	
	<i>For >10 To 20, Deduct</i>	-144.40	
	<i>For >20 To 40, Deduct</i>	-288.80	
	<i>For >40, Deduct</i>	-452.48	
26 56 13 00-0072	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,837.26	385.72
	<i>For Galvanized Finish, Add</i>	151.97	
	<i>For >10 To 20, Deduct</i>	-145.93	
	<i>For >20 To 40, Deduct</i>	-291.86	
	<i>For >40, Deduct</i>	-457.08	
26 56 13 00-0073	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,865.25	385.72
	<i>For Galvanized Finish, Add</i>	152.81	
	<i>For >10 To 20, Deduct</i>	-146.63	
	<i>For >20 To 40, Deduct</i>	-293.26	
	<i>For >40, Deduct</i>	-459.18	
26 56 13 00-0074	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,933.69	433.93
	<i>For Galvanized Finish, Add</i>	151.97	
	<i>For >10 To 20, Deduct</i>	-148.34	
	<i>For >20 To 40, Deduct</i>	-296.68	
	<i>For >40, Deduct</i>	-466.72	
26 56 13 00-0075	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,944.39	433.93
	<i>For Galvanized Finish, Add</i>	152.30	
	<i>For >10 To 20, Deduct</i>	-148.61	
	<i>For >20 To 40, Deduct</i>	-297.22	
	<i>For >40, Deduct</i>	-467.53	
26 56 13 00-0076	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,054.97	433.93
	<i>For Galvanized Finish, Add</i>	155.61	
	<i>For >10 To 20, Deduct</i>	-151.37	
	<i>For >20 To 40, Deduct</i>	-302.75	
	<i>For >40, Deduct</i>	-475.82	
26 56 13 00-0077	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	6,018.27	458.04
	<i>For Galvanized Finish, Add</i>	153.07	
	<i>For >10 To 20, Deduct</i>	-150.46	
	<i>For >20 To 40, Deduct</i>	-300.91	
	<i>For >40, Deduct</i>	-474.27	
26 56 13 00-0078	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	6,083.03	458.04
	<i>For Galvanized Finish, Add</i>	155.01	
	<i>For >10 To 20, Deduct</i>	-152.08	
	<i>For >20 To 40, Deduct</i>	-304.15	
	<i>For >40, Deduct</i>	-479.13	
26 56 13 00-0079	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,422.60	458.04
	<i>For Galvanized Finish, Add</i>	165.20	
	<i>For >10 To 20, Deduct</i>	-160.57	
	<i>For >20 To 40, Deduct</i>	-321.13	
	<i>For >40, Deduct</i>	-504.60	
26 56 13 00-0080	Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0080)</small>		
26 56 13 00-0081	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,600.41	482.15
	<i>For Galvanized Finish, Add</i>	199.08	
	<i>For >10 To 20, Deduct</i>	-190.01	
	<i>For >20 To 40, Deduct</i>	-380.02	
	<i>For >40, Deduct</i>	-594.14	
26 56 13 00-0082	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,707.35	506.26
	<i>For Galvanized Finish, Add</i>	200.84	
	<i>For >10 To 20, Deduct</i>	-192.68	
	<i>For >20 To 40, Deduct</i>	-385.37	
	<i>For >40, Deduct</i>	-603.36	
26 56 13 00-0083	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,986.06	530.37
	<i>For Galvanized Finish, Add</i>	207.76	
	<i>For >10 To 20, Deduct</i>	-199.65	
	<i>For >20 To 40, Deduct</i>	-399.30	
	<i>For >40, Deduct</i>	-625.47	
26 56 13 00-0084	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,662.81	530.37
	<i>For Galvanized Finish, Add</i>	198.06	
	<i>For >10 To 20, Deduct</i>	-191.57	
	<i>For >20 To 40, Deduct</i>	-383.14	
	<i>For >40, Deduct</i>	-601.23	
26 56 13 00-0085	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	8,014.39	554.48
	<i>For Galvanized Finish, Add</i>	207.16	
	<i>For >10 To 20, Deduct</i>	-200.36	
	<i>For >20 To 40, Deduct</i>	-400.72	
	<i>For >40, Deduct</i>	-628.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,211.88	578.58
			<i>For Galvanized Finish, Add</i>	211.64	
			<i>For >10 To 20, Deduct</i>	-205.30	
			<i>For >20 To 40, Deduct</i>	-410.59	
			<i>For >40, Deduct</i>	-644.82	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,880.48	554.48
			<i>For Galvanized Finish, Add</i>	203.15	
			<i>For >10 To 20, Deduct</i>	-197.01	
			<i>For >20 To 40, Deduct</i>	-394.02	
			<i>For >40, Deduct</i>	-618.76	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	8,361.44	578.58
			<i>For Galvanized Finish, Add</i>	216.13	
			<i>For >10 To 20, Deduct</i>	-209.04	
			<i>For >20 To 40, Deduct</i>	-418.07	
			<i>For >40, Deduct</i>	-656.04	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,631.91	602.69
			<i>For Galvanized Finish, Add</i>	222.80	
			<i>For >10 To 20, Deduct</i>	-215.80	
			<i>For >20 To 40, Deduct</i>	-431.60	
			<i>For >40, Deduct</i>	-677.53	

26 56 13 00-0090 Aluminum Roadway Light Poles (26 56 13 00-0002)
 Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)

26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,487.05	289.29
			<i>For >10 To 20, Deduct</i>	-62.18	
			<i>For >20 To 40, Deduct</i>	-124.35	
			<i>For >40, Deduct</i>	-200.99	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,510.15	289.29
			<i>For >10 To 20, Deduct</i>	-62.75	
			<i>For >20 To 40, Deduct</i>	-125.51	
			<i>For >40, Deduct</i>	-202.73	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,028.63	385.72
			<i>For >10 To 20, Deduct</i>	-75.72	
			<i>For >20 To 40, Deduct</i>	-151.43	
			<i>For >40, Deduct</i>	-246.43	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,072.28	385.72
			<i>For >10 To 20, Deduct</i>	-76.81	
			<i>For >20 To 40, Deduct</i>	-153.61	
			<i>For >40, Deduct</i>	-249.71	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,112.43	385.72
			<i>For >10 To 20, Deduct</i>	-77.81	
			<i>For >20 To 40, Deduct</i>	-155.62	
			<i>For >40, Deduct</i>	-252.72	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,482.21	433.93
			<i>For >10 To 20, Deduct</i>	-87.06	
			<i>For >20 To 40, Deduct</i>	-174.11	
			<i>For >40, Deduct</i>	-282.86	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,519.04	433.93
			<i>For >10 To 20, Deduct</i>	-87.98	
			<i>For >20 To 40, Deduct</i>	-175.95	
			<i>For >40, Deduct</i>	-285.62	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,560.23	433.93
			<i>For >10 To 20, Deduct</i>	-89.01	
			<i>For >20 To 40, Deduct</i>	-178.01	
			<i>For >40, Deduct</i>	-288.71	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,113.12	458.04
			<i>For >10 To 20, Deduct</i>	-102.83	
			<i>For >20 To 40, Deduct</i>	-205.66	
			<i>For >40, Deduct</i>	-331.39	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,149.86	458.04
			<i>For >10 To 20, Deduct</i>	-103.75	
			<i>For >20 To 40, Deduct</i>	-207.49	
			<i>For >40, Deduct</i>	-334.14	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,180.63	458.04
		<i>For >10 To 20, Deduct</i>	-104.52	
		<i>For >20 To 40, Deduct</i>	-209.03	
		<i>For >40, Deduct</i>	-336.45	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,845.76	337.50
		<i>For >10 To 20, Deduct</i>	-71.14	
		<i>For >20 To 40, Deduct</i>	-142.29	
		<i>For >40, Deduct</i>	-230.31	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,072.16	337.50
		<i>For >10 To 20, Deduct</i>	-76.80	
		<i>For >20 To 40, Deduct</i>	-153.61	
		<i>For >40, Deduct</i>	-247.29	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,164.49	361.61
		<i>For >10 To 20, Deduct</i>	-79.11	
		<i>For >20 To 40, Deduct</i>	-158.22	
		<i>For >40, Deduct</i>	-255.42	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,374.93	433.93
		<i>For >10 To 20, Deduct</i>	-84.37	
		<i>For >20 To 40, Deduct</i>	-168.75	
		<i>For >40, Deduct</i>	-274.82	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,543.15	445.99
		<i>For >10 To 20, Deduct</i>	-88.58	
		<i>For >20 To 40, Deduct</i>	-177.16	
		<i>For >40, Deduct</i>	-288.04	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,789.30	458.04
		<i>For >10 To 20, Deduct</i>	-94.73	
		<i>For >20 To 40, Deduct</i>	-189.47	
		<i>For >40, Deduct</i>	-307.10	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,907.86	482.15
		<i>For >10 To 20, Deduct</i>	-97.70	
		<i>For >20 To 40, Deduct</i>	-195.39	
		<i>For >40, Deduct</i>	-317.20	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,065.67	494.20
		<i>For >10 To 20, Deduct</i>	-101.64	
		<i>For >20 To 40, Deduct</i>	-203.28	
		<i>For >40, Deduct</i>	-329.64	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,260.02	506.26
		<i>For >10 To 20, Deduct</i>	-106.50	
		<i>For >20 To 40, Deduct</i>	-213.00	
		<i>For >40, Deduct</i>	-344.81	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,460.28	506.26
		<i>For >10 To 20, Deduct</i>	-111.51	
		<i>For >20 To 40, Deduct</i>	-223.01	
		<i>For >40, Deduct</i>	-359.83	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,901.19	518.31
		<i>For >10 To 20, Deduct</i>	-122.53	
		<i>For >20 To 40, Deduct</i>	-245.06	
		<i>For >40, Deduct</i>	-393.51	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,415.28	530.37
		<i>For >10 To 20, Deduct</i>	-135.38	
		<i>For >20 To 40, Deduct</i>	-270.76	
		<i>For >40, Deduct</i>	-432.66	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,306.63	385.72
		<i>For >10 To 20, Deduct</i>	-82.67	
		<i>For >20 To 40, Deduct</i>	-165.33	
		<i>For >40, Deduct</i>	-267.28	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,537.96	409.83
		<i>For >10 To 20, Deduct</i>	-88.45	
		<i>For >20 To 40, Deduct</i>	-176.90	
		<i>For >40, Deduct</i>	-285.84	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,012.11	482.15
		<i>For >10 To 20, Deduct</i>	-100.30	
		<i>For >20 To 40, Deduct</i>	-200.61	
		<i>For >40, Deduct</i>	-325.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,181.43	506.26
			<i>For >10 To 20, Deduct</i>	-104.54	
			<i>For >20 To 40, Deduct</i>	-209.07	
			<i>For >40, Deduct</i>	-338.92	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,378.96	530.37
			<i>For >10 To 20, Deduct</i>	-109.47	
			<i>For >20 To 40, Deduct</i>	-218.95	
			<i>For >40, Deduct</i>	-354.94	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,531.43	554.48
			<i>For >10 To 20, Deduct</i>	-113.29	
			<i>For >20 To 40, Deduct</i>	-226.57	
			<i>For >40, Deduct</i>	-367.58	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,748.25	554.48
			<i>For >10 To 20, Deduct</i>	-118.71	
			<i>For >20 To 40, Deduct</i>	-237.41	
			<i>For >40, Deduct</i>	-383.84	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,181.27	578.58
			<i>For >10 To 20, Deduct</i>	-129.53	
			<i>For >20 To 40, Deduct</i>	-259.06	
			<i>For >40, Deduct</i>	-417.52	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	7,899.25	602.69
			<i>For >10 To 20, Deduct</i>	-197.48	
			<i>For >20 To 40, Deduct</i>	-394.96	
			<i>For >40, Deduct</i>	-622.58	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0092)

26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,402.49	433.93
			<i>For >10 To 20, Deduct</i>	-85.06	
			<i>For >20 To 40, Deduct</i>	-170.12	
			<i>For >40, Deduct</i>	-276.88	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,541.11	433.93
			<i>For >10 To 20, Deduct</i>	-88.53	
			<i>For >20 To 40, Deduct</i>	-177.06	
			<i>For >40, Deduct</i>	-287.28	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,387.58	530.37
			<i>For >10 To 20, Deduct</i>	-109.69	
			<i>For >20 To 40, Deduct</i>	-219.38	
			<i>For >40, Deduct</i>	-355.59	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,755.42	566.53
			<i>For >10 To 20, Deduct</i>	-118.89	
			<i>For >20 To 40, Deduct</i>	-237.77	
			<i>For >40, Deduct</i>	-384.98	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,968.33	578.58
			<i>For >10 To 20, Deduct</i>	-124.21	
			<i>For >20 To 40, Deduct</i>	-248.42	
			<i>For >40, Deduct</i>	-401.55	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,305.48	614.75
			<i>For >10 To 20, Deduct</i>	-132.64	
			<i>For >20 To 40, Deduct</i>	-265.27	
			<i>For >40, Deduct</i>	-428.65	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,236.30	602.69
			<i>For >10 To 20, Deduct</i>	-130.91	
			<i>For >20 To 40, Deduct</i>	-261.82	
			<i>For >40, Deduct</i>	-422.86	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,987.23	638.85
			<i>For >10 To 20, Deduct</i>	-149.68	
			<i>For >20 To 40, Deduct</i>	-299.36	
			<i>For >40, Deduct</i>	-480.98	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,648.30	675.02
			<i>For >10 To 20, Deduct</i>	-166.21	
			<i>For >20 To 40, Deduct</i>	-332.42	
			<i>For >40, Deduct</i>	-532.37	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56 13 00-0091)

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0138)

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,670.03	385.72
		<i>For >10 To 20, Deduct</i>	-91.75	
		<i>For >20 To 40, Deduct</i>	-183.50	
		<i>For >40, Deduct</i>	-294.54	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,700.89	385.72
		<i>For >10 To 20, Deduct</i>	-92.52	
		<i>For >20 To 40, Deduct</i>	-185.04	
		<i>For >40, Deduct</i>	-296.85	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,779.77	385.72
		<i>For >10 To 20, Deduct</i>	-94.49	
		<i>For >20 To 40, Deduct</i>	-188.99	
		<i>For >40, Deduct</i>	-302.77	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,898.12	385.72
		<i>For >10 To 20, Deduct</i>	-97.45	
		<i>For >20 To 40, Deduct</i>	-194.91	
		<i>For >40, Deduct</i>	-311.65	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,132.41	433.93
		<i>For >10 To 20, Deduct</i>	-103.31	
		<i>For >20 To 40, Deduct</i>	-206.62	
		<i>For >40, Deduct</i>	-331.63	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,202.01	433.93
		<i>For >10 To 20, Deduct</i>	-105.05	
		<i>For >20 To 40, Deduct</i>	-210.10	
		<i>For >40, Deduct</i>	-336.85	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,276.24	433.93
		<i>For >10 To 20, Deduct</i>	-106.91	
		<i>For >20 To 40, Deduct</i>	-213.81	
		<i>For >40, Deduct</i>	-342.41	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,724.00	433.93
		<i>For >10 To 20, Deduct</i>	-118.10	
		<i>For >20 To 40, Deduct</i>	-236.20	
		<i>For >40, Deduct</i>	-376.00	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,499.06	458.04
		<i>For >10 To 20, Deduct</i>	-112.48	
		<i>For >20 To 40, Deduct</i>	-224.95	
		<i>For >40, Deduct</i>	-360.33	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,073.60	458.04
		<i>For >10 To 20, Deduct</i>	-126.84	
		<i>For >20 To 40, Deduct</i>	-253.68	
		<i>For >40, Deduct</i>	-403.42	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,129.56	458.04
		<i>For >10 To 20, Deduct</i>	-128.24	
		<i>For >20 To 40, Deduct</i>	-256.48	
		<i>For >40, Deduct</i>	-407.62	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,484.82	458.04
		<i>For >10 To 20, Deduct</i>	-137.12	
		<i>For >20 To 40, Deduct</i>	-274.24	
		<i>For >40, Deduct</i>	-434.26	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,808.83	458.04
		<i>For >10 To 20, Deduct</i>	-145.22	
		<i>For >20 To 40, Deduct</i>	-290.44	
		<i>For >40, Deduct</i>	-458.56	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,775.46	482.15
		<i>For >10 To 20, Deduct</i>	-119.39	
		<i>For >20 To 40, Deduct</i>	-238.77	
		<i>For >40, Deduct</i>	-382.27	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,902.55	506.26
		<i>For >10 To 20, Deduct</i>	-122.56	
		<i>For >20 To 40, Deduct</i>	-245.13	
		<i>For >40, Deduct</i>	-393.00	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,001.51	530.37
		<i>For >10 To 20, Deduct</i>	-125.04	
		<i>For >20 To 40, Deduct</i>	-250.08	
		<i>For >40, Deduct</i>	-401.63	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,136.72	530.37
		<i>For >10 To 20, Deduct</i>	-128.42	
		<i>For >20 To 40, Deduct</i>	-256.84	
		<i>For >40, Deduct</i>	-411.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,596.06	554.48
			<i>For >10 To 20, Deduct</i>	-139.90	
			<i>For >20 To 40, Deduct</i>	-279.80	
			<i>For >40, Deduct</i>	-447.43	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,455.45	578.58
			<i>For >10 To 20, Deduct</i>	-161.39	
			<i>For >20 To 40, Deduct</i>	-322.77	
			<i>For >40, Deduct</i>	-513.09	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,246.64	554.48
			<i>For >10 To 20, Deduct</i>	-156.17	
			<i>For >20 To 40, Deduct</i>	-312.33	
			<i>For >40, Deduct</i>	-496.22	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,360.95	578.58
			<i>For >10 To 20, Deduct</i>	-159.02	
			<i>For >20 To 40, Deduct</i>	-318.05	
			<i>For >40, Deduct</i>	-506.00	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,796.29	602.69
			<i>For >10 To 20, Deduct</i>	-194.91	
			<i>For >20 To 40, Deduct</i>	-389.81	
			<i>For >40, Deduct</i>	-614.86	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)

26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,026.56	289.29
			<i>For >10 To 20, Deduct</i>	-75.66	
			<i>For >20 To 40, Deduct</i>	-151.33	
			<i>For >40, Deduct</i>	-241.46	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,113.77	289.29
			<i>For >10 To 20, Deduct</i>	-77.84	
			<i>For >20 To 40, Deduct</i>	-155.69	
			<i>For >40, Deduct</i>	-248.00	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,201.16	289.29
			<i>For >10 To 20, Deduct</i>	-80.03	
			<i>For >20 To 40, Deduct</i>	-160.06	
			<i>For >40, Deduct</i>	-254.55	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,576.00	385.72
			<i>For >10 To 20, Deduct</i>	-89.40	
			<i>For >20 To 40, Deduct</i>	-178.80	
			<i>For >40, Deduct</i>	-287.49	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,642.47	385.72
			<i>For >10 To 20, Deduct</i>	-91.06	
			<i>For >20 To 40, Deduct</i>	-182.12	
			<i>For >40, Deduct</i>	-292.47	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,715.10	385.72
			<i>For >10 To 20, Deduct</i>	-92.88	
			<i>For >20 To 40, Deduct</i>	-185.76	
			<i>For >40, Deduct</i>	-297.92	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,036.78	433.93
			<i>For >10 To 20, Deduct</i>	-100.92	
			<i>For >20 To 40, Deduct</i>	-201.84	
			<i>For >40, Deduct</i>	-324.46	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,127.02	433.93
			<i>For >10 To 20, Deduct</i>	-103.18	
			<i>For >20 To 40, Deduct</i>	-206.35	
			<i>For >40, Deduct</i>	-331.22	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,140.56	433.93
			<i>For >10 To 20, Deduct</i>	-103.51	
			<i>For >20 To 40, Deduct</i>	-207.03	
			<i>For >40, Deduct</i>	-332.24	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,406.08	458.04
			<i>For >10 To 20, Deduct</i>	-110.15	
			<i>For >20 To 40, Deduct</i>	-220.30	
			<i>For >40, Deduct</i>	-353.36	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,445.66	458.04
			<i>For >10 To 20, Deduct</i>	-111.14	
			<i>For >20 To 40, Deduct</i>	-222.28	
			<i>For >40, Deduct</i>	-356.33	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0176	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,538.45	458.04
	For >10 To 20, Deduct	-113.46	
	For >20 To 40, Deduct	-226.92	
	For >40, Deduct	-363.29	
26 56 13 00-0177	Area Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0178	Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179	Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180	Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	905.04	168.76
	For Galvanized Finish, Add	17.03	
	For >10 To 20, Deduct	-31.14	
	For >20 To 40, Deduct	-56.60	
	For >40, Deduct	-118.88	
26 56 13 00-0182	EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	984.70	192.86
	For Galvanized Finish, Add	17.97	
	For >10 To 20, Deduct	-33.60	
	For >20 To 40, Deduct	-61.21	
	For >40, Deduct	-128.42	
26 56 13 00-0183	EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,100.51	216.97
	For Galvanized Finish, Add	20.00	
	For >10 To 20, Deduct	-37.51	
	For >20 To 40, Deduct	-68.36	
	For >40, Deduct	-143.38	
26 56 13 00-0184	EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,219.47	241.08
	For Galvanized Finish, Add	22.12	
	For >10 To 20, Deduct	-41.55	
	For >20 To 40, Deduct	-75.72	
	For >40, Deduct	-158.81	
26 56 13 00-0185	EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,299.14	265.18
	For Galvanized Finish, Add	23.06	
	For >10 To 20, Deduct	-44.01	
	For >20 To 40, Deduct	-80.33	
	For >40, Deduct	-168.35	
26 56 13 00-0186	EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,370.93	289.29
	For Galvanized Finish, Add	23.77	
	For >10 To 20, Deduct	-46.16	
	For >20 To 40, Deduct	-84.39	
	For >40, Deduct	-176.71	
26 56 13 00-0187	EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	945.91	168.76
	For Galvanized Finish, Add	18.25	
	For >10 To 20, Deduct	-32.77	
	For >20 To 40, Deduct	-59.46	
	For >40, Deduct	-125.01	
26 56 13 00-0188	EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,027.14	192.86
	For Galvanized Finish, Add	19.24	
	For >10 To 20, Deduct	-35.30	
	For >20 To 40, Deduct	-64.19	
	For >40, Deduct	-134.79	
26 56 13 00-0189	EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,185.40	216.97
	For Galvanized Finish, Add	22.54	
	For >10 To 20, Deduct	-40.91	
	For >20 To 40, Deduct	-74.30	
	For >40, Deduct	-156.11	
26 56 13 00-0190	EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,274.50	241.08
	For Galvanized Finish, Add	23.77	
	For >10 To 20, Deduct	-43.75	
	For >20 To 40, Deduct	-79.57	
	For >40, Deduct	-167.07	
26 56 13 00-0191	EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,358.88	265.18
	For Galvanized Finish, Add	24.86	
	For >10 To 20, Deduct	-46.40	
	For >20 To 40, Deduct	-84.51	
	For >40, Deduct	-177.31	
26 56 13 00-0192	EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,427.52	289.29
	For Galvanized Finish, Add	25.47	
	For >10 To 20, Deduct	-48.42	
	For >20 To 40, Deduct	-88.35	
	For >40, Deduct	-185.20	
26 56 13 00-0193	EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,678.55	385.72
	For Galvanized Finish, Add	27.21	
	For >10 To 20, Deduct	-55.57	
	For >20 To 40, Deduct	-102.07	
	For >40, Deduct	-213.21	
26 56 13 00-0194	EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	945.91	168.76
	For Galvanized Finish, Add	18.25	
	For >10 To 20, Deduct	-32.77	
	For >20 To 40, Deduct	-59.46	
	For >40, Deduct	-125.01	
26 56 13 00-0195	EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,031.86	192.86
	For Galvanized Finish, Add	19.38	
	For >10 To 20, Deduct	-35.49	
	For >20 To 40, Deduct	-64.52	
	For >40, Deduct	-135.49	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,210.56	216.97
			<i>For Galvanized Finish, Add</i>	23.30	
			<i>For >10 To 20, Deduct</i>	-41.91	
			<i>For >20 To 40, Deduct</i>	-76.06	
			<i>For >40, Deduct</i>	-159.89	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,279.21	241.08
			<i>For Galvanized Finish, Add</i>	23.91	
			<i>For >10 To 20, Deduct</i>	-43.94	
			<i>For >20 To 40, Deduct</i>	-79.90	
			<i>For >40, Deduct</i>	-167.77	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,358.88	265.18
			<i>For Galvanized Finish, Add</i>	24.86	
			<i>For >10 To 20, Deduct</i>	-46.40	
			<i>For >20 To 40, Deduct</i>	-84.51	
			<i>For >40, Deduct</i>	-177.31	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,427.52	289.29
			<i>For Galvanized Finish, Add</i>	25.47	
			<i>For >10 To 20, Deduct</i>	-48.42	
			<i>For >20 To 40, Deduct</i>	-88.35	
			<i>For >40, Deduct</i>	-185.20	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,722.57	385.72
			<i>For Galvanized Finish, Add</i>	28.53	
			<i>For >10 To 20, Deduct</i>	-57.33	
			<i>For >20 To 40, Deduct</i>	-105.15	
			<i>For >40, Deduct</i>	-219.81	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,900.75	433.93
			<i>For Galvanized Finish, Add</i>	30.99	
			<i>For >10 To 20, Deduct</i>	-63.01	
			<i>For >20 To 40, Deduct</i>	-115.70	
			<i>For >40, Deduct</i>	-241.72	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,528.14	289.29
			<i>For Galvanized Finish, Add</i>	28.49	
			<i>For >10 To 20, Deduct</i>	-52.45	
			<i>For >20 To 40, Deduct</i>	-95.40	
			<i>For >40, Deduct</i>	-200.29	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,743.01	385.72
			<i>For Galvanized Finish, Add</i>	29.15	
			<i>For >10 To 20, Deduct</i>	-58.15	
			<i>For >20 To 40, Deduct</i>	-106.58	
			<i>For >40, Deduct</i>	-222.88	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,940.06	433.93
			<i>For Galvanized Finish, Add</i>	32.17	
			<i>For >10 To 20, Deduct</i>	-64.58	
			<i>For >20 To 40, Deduct</i>	-118.45	
			<i>For >40, Deduct</i>	-247.62	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)

26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,883.44	289.29
			<i>For Galvanized Finish, Add</i>	39.15	
			<i>For >10 To 20, Deduct</i>	-66.66	
			<i>For >20 To 40, Deduct</i>	-120.27	
			<i>For >40, Deduct</i>	-253.59	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,932.18	289.29
			<i>For Galvanized Finish, Add</i>	40.61	
			<i>For >10 To 20, Deduct</i>	-68.61	
			<i>For >20 To 40, Deduct</i>	-123.68	
			<i>For >40, Deduct</i>	-260.90	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,231.94	385.72
			<i>For Galvanized Finish, Add</i>	43.82	
			<i>For >10 To 20, Deduct</i>	-77.71	
			<i>For >20 To 40, Deduct</i>	-140.81	
			<i>For >40, Deduct</i>	-296.22	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,332.56	385.72
			<i>For Galvanized Finish, Add</i>	46.83	
			<i>For >10 To 20, Deduct</i>	-81.73	
			<i>For >20 To 40, Deduct</i>	-147.85	
			<i>For >40, Deduct</i>	-311.31	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,485.58	433.93
			<i>For Galvanized Finish, Add</i>	48.53	
			<i>For >10 To 20, Deduct</i>	-86.41	
			<i>For >20 To 40, Deduct</i>	-156.63	
			<i>For >40, Deduct</i>	-329.44	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,653.80	433.93
			<i>For Galvanized Finish, Add</i>	53.58	
			<i>For >10 To 20, Deduct</i>	-93.13	
			<i>For >20 To 40, Deduct</i>	-168.41	
			<i>For >40, Deduct</i>	-354.68	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,736.61	458.04
			<i>For Galvanized Finish, Add</i>	54.62	
			<i>For >10 To 20, Deduct</i>	-95.72	
			<i>For >20 To 40, Deduct</i>	-173.24	
			<i>For >40, Deduct</i>	-364.69	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,840.36	458.04
			<i>For Galvanized Finish, Add</i>	57.73	
			<i>For >10 To 20, Deduct</i>	-99.87	
			<i>For >20 To 40, Deduct</i>	-180.50	
			<i>For >40, Deduct</i>	-380.25	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,088.76	458.04
		For Galvanized Finish, Add	65.18	
		For >10 To 20, Deduct	-109.81	
		For >20 To 40, Deduct	-197.89	
		For >40, Deduct	-417.51	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,118.10	482.15
		For Galvanized Finish, Add	64.61	
		For >10 To 20, Deduct	-110.26	
		For >20 To 40, Deduct	-198.98	
		For >40, Deduct	-419.50	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,162.12	482.15
		For Galvanized Finish, Add	65.93	
		For >10 To 20, Deduct	-112.02	
		For >20 To 40, Deduct	-202.06	
		For >40, Deduct	-426.10	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,298.79	626.80
		For Galvanized Finish, Add	91.36	
		For >10 To 20, Deduct	-153.15	
		For >20 To 40, Deduct	-275.84	
		For >40, Deduct	-582.14	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,482.21	723.23
		For Galvanized Finish, Add	91.07	
		For >10 To 20, Deduct	-157.59	
		For >20 To 40, Deduct	-284.83	
		For >40, Deduct	-600.01	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,014.86	385.72
		For Galvanized Finish, Add	67.30	
		For >10 To 20, Deduct	-109.02	
		For >20 To 40, Deduct	-195.61	
		For >40, Deduct	-413.66	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,422.57	433.93
		For Galvanized Finish, Add	76.64	
		For >10 To 20, Deduct	-123.88	
		For >20 To 40, Deduct	-222.22	
		For >40, Deduct	-469.99	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,965.48	482.15
		For Galvanized Finish, Add	90.04	
		For >10 To 20, Deduct	-144.15	
		For >20 To 40, Deduct	-258.30	
		For >40, Deduct	-546.61	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,789.29	626.80
		For Galvanized Finish, Add	106.07	
		For >10 To 20, Deduct	-172.77	
		For >20 To 40, Deduct	-310.18	
		For >40, Deduct	-655.71	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,588.99	723.23
		For Galvanized Finish, Add	124.28	
		For >10 To 20, Deduct	-201.86	
		For >20 To 40, Deduct	-362.30	
		For >40, Deduct	-766.03	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,228.84	723.23
		For Galvanized Finish, Add	143.47	
		For >10 To 20, Deduct	-227.46	
		For >20 To 40, Deduct	-407.09	
		For >40, Deduct	-862.00	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,366.92	723.23
		For Galvanized Finish, Add	207.61	
		For >10 To 20, Deduct	-312.98	
		For >20 To 40, Deduct	-556.76	
		For >40, Deduct	-1,182.72	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,404.52	723.23
		For Galvanized Finish, Add	238.74	
		For >10 To 20, Deduct	-354.48	
		For >20 To 40, Deduct	-629.39	
		For >40, Deduct	-1,338.36	

26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	892.46	168.76
		For Galvanized Finish, Add	16.65	
		For >10 To 20, Deduct	-30.64	
		For >20 To 40, Deduct	-55.72	
		For >40, Deduct	-116.99	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	940.68	192.86
		For Galvanized Finish, Add	16.65	
		For >10 To 20, Deduct	-31.84	
		For >20 To 40, Deduct	-58.13	
		For >40, Deduct	-121.82	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,015.61	216.97
		For Galvanized Finish, Add	17.45	
		For >10 To 20, Deduct	-34.12	
		For >20 To 40, Deduct	-62.41	
		For >40, Deduct	-130.65	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,077.46	229.03
		For Galvanized Finish, Add	18.58	
		For >10 To 20, Deduct	-36.23	
		For >20 To 40, Deduct	-66.26	
		For >40, Deduct	-138.72	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0234	EA	16'	High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,101.57	241.08
			<i>For Galvanized Finish, Add</i>	18.58	
			<i>For >10 To 20, Deduct</i>	-36.83	
			<i>For >20 To 40, Deduct</i>	-67.47	
			<i>For >40, Deduct</i>	-141.13	
26 56 13 00-0235	EA	18'	High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,167.08	265.18
			<i>For Galvanized Finish, Add</i>	19.10	
			<i>For >10 To 20, Deduct</i>	-38.73	
			<i>For >20 To 40, Deduct</i>	-71.09	
			<i>For >40, Deduct</i>	-148.54	
26 56 13 00-0236	EA	20'	High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,229.44	289.29
			<i>For Galvanized Finish, Add</i>	19.53	
			<i>For >10 To 20, Deduct</i>	-40.50	
			<i>For >20 To 40, Deduct</i>	-74.49	
			<i>For >40, Deduct</i>	-155.49	
26 56 13 00-0237	EA	25'	High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,516.62	385.72
			<i>For Galvanized Finish, Add</i>	22.36	
			<i>For >10 To 20, Deduct</i>	-49.09	
			<i>For >20 To 40, Deduct</i>	-90.73	
			<i>For >40, Deduct</i>	-188.92	
26 56 13 00-0238	EA	20'	High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,441.67	289.29
			<i>For Galvanized Finish, Add</i>	25.89	
			<i>For >10 To 20, Deduct</i>	-48.99	
			<i>For >20 To 40, Deduct</i>	-89.35	
			<i>For >40, Deduct</i>	-187.32	
26 56 13 00-0239	EA	25'	High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,809.04	385.72
			<i>For Galvanized Finish, Add</i>	31.13	
			<i>For >10 To 20, Deduct</i>	-60.79	
			<i>For >20 To 40, Deduct</i>	-111.20	
			<i>For >40, Deduct</i>	-232.78	
26 56 13 00-0240	EA	30'	High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,076.83	433.93
			<i>For Galvanized Finish, Add</i>	36.27	
			<i>For >10 To 20, Deduct</i>	-70.06	
			<i>For >20 To 40, Deduct</i>	-128.02	
			<i>For >40, Deduct</i>	-268.13	
26 56 13 00-0241	EA	20'	High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,383.51	289.29
			<i>For Galvanized Finish, Add</i>	24.15	
			<i>For >10 To 20, Deduct</i>	-46.66	
			<i>For >20 To 40, Deduct</i>	-85.27	
			<i>For >40, Deduct</i>	-178.60	
26 56 13 00-0242	EA	25'	High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,695.85	385.72
			<i>For Galvanized Finish, Add</i>	27.73	
			<i>For >10 To 20, Deduct</i>	-56.26	
			<i>For >20 To 40, Deduct</i>	-103.28	
			<i>For >40, Deduct</i>	-215.81	
26 56 13 00-0243	EA	30'	High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,979.36	433.93
			<i>For Galvanized Finish, Add</i>	33.34	
			<i>For >10 To 20, Deduct</i>	-66.16	
			<i>For >20 To 40, Deduct</i>	-121.20	
			<i>For >40, Deduct</i>	-253.51	
26 56 13 00-0244	EA	20'	High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,583.16	289.29
			<i>For Galvanized Finish, Add</i>	30.14	
			<i>For >10 To 20, Deduct</i>	-54.65	
			<i>For >20 To 40, Deduct</i>	-99.25	
			<i>For >40, Deduct</i>	-208.55	
26 56 13 00-0245	EA	25'	High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,950.53	385.72
			<i>For Galvanized Finish, Add</i>	35.37	
			<i>For >10 To 20, Deduct</i>	-66.45	
			<i>For >20 To 40, Deduct</i>	-121.11	
			<i>For >40, Deduct</i>	-254.01	
26 56 13 00-0246	EA	30'	High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,210.46	433.93
			<i>For Galvanized Finish, Add</i>	40.28	
			<i>For >10 To 20, Deduct</i>	-75.40	
			<i>For >20 To 40, Deduct</i>	-137.37	
			<i>For >40, Deduct</i>	-288.18	
26 56 13 00-0247	EA	35'	High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,453.62	458.04
			<i>For Galvanized Finish, Add</i>	46.13	
			<i>For >10 To 20, Deduct</i>	-84.40	
			<i>For >20 To 40, Deduct</i>	-153.43	
			<i>For >40, Deduct</i>	-322.24	
26 56 13 00-0248	EA	30'	High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,520.17	433.93
			<i>For Galvanized Finish, Add</i>	49.57	
			<i>For >10 To 20, Deduct</i>	-87.79	
			<i>For >20 To 40, Deduct</i>	-159.05	
			<i>For >40, Deduct</i>	-334.63	
26 56 13 00-0249	EA	35'	High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,764.90	458.04
			<i>For Galvanized Finish, Add</i>	55.46	
			<i>For >10 To 20, Deduct</i>	-96.85	
			<i>For >20 To 40, Deduct</i>	-175.22	
			<i>For >40, Deduct</i>	-368.93	
26 56 13 00-0250	EA	40'	High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,924.73	482.15
			<i>For Galvanized Finish, Add</i>	58.81	
			<i>For >10 To 20, Deduct</i>	-102.52	
			<i>For >20 To 40, Deduct</i>	-185.45	
			<i>For >40, Deduct</i>	-390.49	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)
 26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,185.48	289.29
			<i>For Galvanized Finish, Add</i>	78.21	
			<i>For >10 To 20, Deduct</i>	-118.74	
			<i>For >20 To 40, Deduct</i>	-211.41	
			<i>For >40, Deduct</i>	-448.89	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,555.59	385.72
			<i>For Galvanized Finish, Add</i>	83.52	
			<i>For >10 To 20, Deduct</i>	-130.65	
			<i>For >20 To 40, Deduct</i>	-233.46	
			<i>For >40, Deduct</i>	-494.77	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,976.38	433.93
			<i>For Galvanized Finish, Add</i>	123.26	
			<i>For >10 To 20, Deduct</i>	-186.04	
			<i>For >20 To 40, Deduct</i>	-330.99	
			<i>For >40, Deduct</i>	-703.06	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,249.03	289.29
			<i>For Galvanized Finish, Add</i>	80.11	
			<i>For >10 To 20, Deduct</i>	-121.28	
			<i>For >20 To 40, Deduct</i>	-215.86	
			<i>For >40, Deduct</i>	-458.43	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,925.14	385.72
			<i>For Galvanized Finish, Add</i>	94.61	
			<i>For >10 To 20, Deduct</i>	-145.43	
			<i>For >20 To 40, Deduct</i>	-259.33	
			<i>For >40, Deduct</i>	-550.20	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,526.52	433.93
			<i>For Galvanized Finish, Add</i>	139.76	
			<i>For >10 To 20, Deduct</i>	-208.04	
			<i>For >20 To 40, Deduct</i>	-369.50	
			<i>For >40, Deduct</i>	-785.58	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,342.26	458.04
			<i>For Galvanized Finish, Add</i>	162.79	
			<i>For >10 To 20, Deduct</i>	-239.95	
			<i>For >20 To 40, Deduct</i>	-425.64	
			<i>For >40, Deduct</i>	-905.53	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,455.64	482.15
			<i>For Galvanized Finish, Add</i>	194.74	
			<i>For >10 To 20, Deduct</i>	-283.76	
			<i>For >20 To 40, Deduct</i>	-502.61	
			<i>For >40, Deduct</i>	-1,070.13	
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,085.15	289.29
			<i>For Galvanized Finish, Add</i>	75.20	
			<i>For >10 To 20, Deduct</i>	-114.73	
			<i>For >20 To 40, Deduct</i>	-204.39	
			<i>For >40, Deduct</i>	-433.84	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,395.07	385.72
			<i>For Galvanized Finish, Add</i>	78.71	
			<i>For >10 To 20, Deduct</i>	-124.23	
			<i>For >20 To 40, Deduct</i>	-222.23	
			<i>For >40, Deduct</i>	-470.69	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,693.78	433.93
			<i>For Galvanized Finish, Add</i>	114.78	
			<i>For >10 To 20, Deduct</i>	-174.73	
			<i>For >20 To 40, Deduct</i>	-311.21	
			<i>For >40, Deduct</i>	-660.67	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,200.53	289.29
			<i>For Galvanized Finish, Add</i>	78.66	
			<i>For >10 To 20, Deduct</i>	-119.34	
			<i>For >20 To 40, Deduct</i>	-212.47	
			<i>For >40, Deduct</i>	-451.15	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,774.65	385.72
			<i>For Galvanized Finish, Add</i>	90.10	
			<i>For >10 To 20, Deduct</i>	-139.41	
			<i>For >20 To 40, Deduct</i>	-248.80	
			<i>For >40, Deduct</i>	-527.63	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	5,317.50	433.93
			<i>For Galvanized Finish, Add</i>	133.49	
			<i>For >10 To 20, Deduct</i>	-199.68	
			<i>For >20 To 40, Deduct</i>	-354.87	
			<i>For >40, Deduct</i>	-754.23	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,377.78	289.29
			<i>For Galvanized Finish, Add</i>	83.98	
			<i>For >10 To 20, Deduct</i>	-126.43	
			<i>For >20 To 40, Deduct</i>	-224.87	
			<i>For >40, Deduct</i>	-477.74	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,094.03	385.72
			<i>For Galvanized Finish, Add</i>	99.68	
			<i>For >10 To 20, Deduct</i>	-152.19	
			<i>For >20 To 40, Deduct</i>	-271.15	
			<i>For >40, Deduct</i>	-575.53	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,693.74	433.93
			<i>For Galvanized Finish, Add</i>	144.78	
			<i>For >10 To 20, Deduct</i>	-214.73	
			<i>For >20 To 40, Deduct</i>	-381.20	
			<i>For >40, Deduct</i>	-810.67	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,546.27	458.04
			<i>For Galvanized Finish, Add</i>	168.91	
			<i>For >10 To 20, Deduct</i>	-248.11	
			<i>For >20 To 40, Deduct</i>	-439.92	
			<i>For >40, Deduct</i>	-936.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	7,564.33 198.00 -288.11 -510.22 -1,086.43	482.15
26 56 13 00-0272			Square Tapered, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,413.24 55.04 -87.85 -157.36 -333.06	289.29
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,929.96 64.76 -105.63 -189.67 -400.92	385.72
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,260.64 71.78 -117.41 -210.89 -445.70	433.93
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,618.56 81.07 -131.00 -234.98 -496.98	458.04
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,814.55 85.51 -138.12 -247.73 -523.97	482.15
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,119.13 76.22 -116.09 -206.77 -438.94	289.29
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,483.35 81.36 -127.76 -228.41 -483.93	385.72
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,713.41 85.37 -135.52 -242.58 -513.62	433.93
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,128.45 97.82 -152.12 -271.63 -575.87	433.93
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,475.37 106.78 -165.27 -294.95 -625.50	458.04
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,989.45 122.20 -185.84 -330.94 -702.61	458.04
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,547.16 107.49 -167.42 -299.02 -633.86	482.15
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,812.72 145.45 -218.04 -387.60 -823.69	482.15
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,369.40 123.47 -195.97 -350.79 -742.73	626.80
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,232.49 149.37 -230.50 -411.20 -872.19	626.80
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,469.37 150.69 -237.08 -423.93 -898.08	723.23

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0290		Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>			
26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	55.74		
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	82.89		
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	84.32		
26 56 13 00-0294		Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>			
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.					
26 56 13 00-0295		Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>			
26 56 13 00-0296		Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>			
26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	712.41	144.65	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	42.31		
		<i>For Black Anodized Finish, Add</i>	84.62		
		<i>For >10 To 20, Deduct</i>	-24.16		
		<i>For >20 To 40, Deduct</i>	-44.08		
		<i>For >40, Deduct</i>	-92.40		
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	782.32	168.76	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	44.48		
		<i>For Black Anodized Finish, Add</i>	88.96		
		<i>For >10 To 20, Deduct</i>	-26.23		
		<i>For >20 To 40, Deduct</i>	-48.01		
		<i>For >40, Deduct</i>	-100.47		
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	857.66	192.86	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	47.19		
		<i>For Black Anodized Finish, Add</i>	94.39		
		<i>For >10 To 20, Deduct</i>	-28.52		
		<i>For >20 To 40, Deduct</i>	-52.32		
		<i>For >40, Deduct</i>	-109.36		
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	934.08	216.97	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	50.02		
		<i>For Black Anodized Finish, Add</i>	100.03		
		<i>For >10 To 20, Deduct</i>	-30.85		
		<i>For >20 To 40, Deduct</i>	-56.71		
		<i>For >40, Deduct</i>	-118.42		
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	976.64	229.03	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	51.86		
		<i>For Black Anodized Finish, Add</i>	103.72		
		<i>For >10 To 20, Deduct</i>	-32.20		
		<i>For >20 To 40, Deduct</i>	-59.20		
		<i>For >40, Deduct</i>	-123.59		
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,018.11	241.08	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	53.60		
		<i>For Black Anodized Finish, Add</i>	107.19		
		<i>For >10 To 20, Deduct</i>	-33.49		
		<i>For >20 To 40, Deduct</i>	-61.62		
		<i>For >40, Deduct</i>	-128.61		
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,083.20	241.08	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	60.11		
		<i>For Black Anodized Finish, Add</i>	120.21		
		<i>For >10 To 20, Deduct</i>	-36.10		
		<i>For >20 To 40, Deduct</i>	-66.18		
		<i>For >40, Deduct</i>	-138.37		
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,172.65	265.18	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	64.23		
		<i>For Black Anodized Finish, Add</i>	128.46		
		<i>For >10 To 20, Deduct</i>	-38.95		
		<i>For >20 To 40, Deduct</i>	-71.48		
		<i>For >40, Deduct</i>	-149.38		
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,255.58	289.29	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	67.70		
		<i>For Black Anodized Finish, Add</i>	135.40		
		<i>For >10 To 20, Deduct</i>	-41.54		
		<i>For >20 To 40, Deduct</i>	-76.32		
		<i>For >40, Deduct</i>	-159.41		
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,216.41	229.03	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	75.84		
		<i>For Black Anodized Finish, Add</i>	151.67		
		<i>For >10 To 20, Deduct</i>	-41.79		
		<i>For >20 To 40, Deduct</i>	-75.99		
		<i>For >40, Deduct</i>	-159.56		
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,495.35	289.29	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	91.68		
		<i>For Black Anodized Finish, Add</i>	183.35		
		<i>For >10 To 20, Deduct</i>	-51.14		
		<i>For >20 To 40, Deduct</i>	-93.10		
		<i>For >40, Deduct</i>	-195.37		
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,616.86	289.29	
		<i>For Bronze Or Satin Anodized Finish, Add</i>	103.83		
		<i>For Black Anodized Finish, Add</i>	207.66		
		<i>For >10 To 20, Deduct</i>	-56.00		
		<i>For >20 To 40, Deduct</i>	-101.61		
		<i>For >40, Deduct</i>	-213.60		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,923.64	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	115.22	
			<i>For Black Anodized Finish, Add</i>	230.44	
			<i>For >10 To 20, Deduct</i>	-65.37	
			<i>For >20 To 40, Deduct</i>	-119.23	
			<i>For >40, Deduct</i>	-249.97	
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,235.97	433.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	136.81	
			<i>For Black Anodized Finish, Add</i>	273.62	
			<i>For >10 To 20, Deduct</i>	-76.42	
			<i>For >20 To 40, Deduct</i>	-139.16	
			<i>For >40, Deduct</i>	-292.00	
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,330.44	289.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	75.19	
			<i>For Black Anodized Finish, Add</i>	150.37	
			<i>For >10 To 20, Deduct</i>	-44.54	
			<i>For >20 To 40, Deduct</i>	-81.56	
			<i>For >40, Deduct</i>	-170.64	
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,607.09	289.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	102.85	
			<i>For Black Anodized Finish, Add</i>	205.70	
			<i>For >10 To 20, Deduct</i>	-55.60	
			<i>For >20 To 40, Deduct</i>	-100.92	
			<i>For >40, Deduct</i>	-212.13	
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,906.28	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	113.48	
			<i>For Black Anodized Finish, Add</i>	226.97	
			<i>For >10 To 20, Deduct</i>	-64.68	
			<i>For >20 To 40, Deduct</i>	-118.01	
			<i>For >40, Deduct</i>	-247.37	
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,063.59	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	129.22	
			<i>For Black Anodized Finish, Add</i>	258.43	
			<i>For >10 To 20, Deduct</i>	-70.97	
			<i>For >20 To 40, Deduct</i>	-129.02	
			<i>For >40, Deduct</i>	-270.97	
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,413.90	433.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	154.60	
			<i>For Black Anodized Finish, Add</i>	309.21	
			<i>For >10 To 20, Deduct</i>	-83.54	
			<i>For >20 To 40, Deduct</i>	-151.62	
			<i>For >40, Deduct</i>	-318.69	
26 56 13 00-0316			Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	823.08	144.65
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	80.07	
			<i>For >10 To 20, Deduct</i>	-28.58	
			<i>For >20 To 40, Deduct</i>	-51.83	
			<i>For >40, Deduct</i>	-109.00	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	914.68	168.76
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	86.58	
			<i>For >10 To 20, Deduct</i>	-31.52	
			<i>For >20 To 40, Deduct</i>	-57.28	
			<i>For >40, Deduct</i>	-120.33	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,001.96	192.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	92.44	
			<i>For >10 To 20, Deduct</i>	-34.29	
			<i>For >20 To 40, Deduct</i>	-62.42	
			<i>For >40, Deduct</i>	-131.01	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,068.61	216.97
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.20	
			<i>For >10 To 20, Deduct</i>	-36.24	
			<i>For >20 To 40, Deduct</i>	-66.12	
			<i>For >40, Deduct</i>	-138.60	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,148.30	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	99.92	
			<i>For >10 To 20, Deduct</i>	-38.70	
			<i>For >20 To 40, Deduct</i>	-70.74	
			<i>For >40, Deduct</i>	-148.14	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	937.47	168.76
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	90.00	
			<i>For >10 To 20, Deduct</i>	-32.44	
			<i>For >20 To 40, Deduct</i>	-58.87	
			<i>For >40, Deduct</i>	-123.75	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,022.57	192.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.53	
			<i>For >10 To 20, Deduct</i>	-35.12	
			<i>For >20 To 40, Deduct</i>	-63.87	
			<i>For >40, Deduct</i>	-134.10	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,110.93	216.97
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.55	
			<i>For >10 To 20, Deduct</i>	-37.93	
			<i>For >20 To 40, Deduct</i>	-69.09	
			<i>For >40, Deduct</i>	-144.94	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,198.20	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	107.41	
			<i>For >10 To 20, Deduct</i>	-40.70	
			<i>For >20 To 40, Deduct</i>	-74.23	
			<i>For >40, Deduct</i>	-155.62	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,290.91 114.08 -43.68 -79.76 -167.12	265.18
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,377.09 119.78 -46.40 -84.82 -177.63	289.29
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,064.89 101.88 -36.81 -66.83 -140.45	192.86
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,160.83 109.04 -39.92 -72.58 -152.43	216.97
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,255.71 116.03 -43.00 -78.26 -164.25	241.08
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,352.75 123.36 -46.15 -84.09 -176.39	265.18
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,316.46 125.15 -45.43 -82.51 -173.36	241.08
26 56 13 00-0333	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,519.21 141.09 -52.09 -94.77 -198.95	289.29
26 56 13 00-0334	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,105.03 107.90 -38.42 -69.64 -146.47	192.86
26 56 13 00-0335	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,212.91 116.85 -42.01 -76.23 -160.24	216.97
26 56 13 00-0336	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,309.95 124.17 -45.17 -82.05 -172.39	241.08
26 56 13 00-0337	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,413.50 132.47 -48.58 -88.34 -185.51	265.18
26 56 13 00-0338	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,513.79 140.28 -51.87 -94.39 -198.14	289.29
26 56 13 00-0339	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,389.15 136.05 -48.33 -87.60 -184.27	241.08
26 56 13 00-0340	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,502.47 145.82 -52.14 -94.57 -198.85	265.18
26 56 13 00-0341	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,547.42 145.33 -53.22 -96.75 -203.18	289.29
26 56 13 00-0342			Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	640.33 39.93 79.85 -22.00 -40.00 -84.00	120.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	685.05	132.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.99	
			<i>For Black Anodized Finish, Add</i>	83.97	
			<i>For >10 To 20, Deduct</i>	-23.42	
			<i>For >20 To 40, Deduct</i>	-42.65	
			<i>For >40, Deduct</i>	-89.50	
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	757.98	144.65
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.87	
			<i>For Black Anodized Finish, Add</i>	93.74	
			<i>For >10 To 20, Deduct</i>	-25.98	
			<i>For >20 To 40, Deduct</i>	-47.27	
			<i>For >40, Deduct</i>	-99.23	
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	782.93	144.65
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.36	
			<i>For Black Anodized Finish, Add</i>	98.73	
			<i>For >10 To 20, Deduct</i>	-26.98	
			<i>For >20 To 40, Deduct</i>	-49.02	
			<i>For >40, Deduct</i>	-102.98	
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	814.40	144.65
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.51	
			<i>For Black Anodized Finish, Add</i>	105.02	
			<i>For >10 To 20, Deduct</i>	-28.24	
			<i>For >20 To 40, Deduct</i>	-51.22	
			<i>For >40, Deduct</i>	-107.70	
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	933.97	156.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.06	
			<i>For Black Anodized Finish, Add</i>	124.12	
			<i>For >10 To 20, Deduct</i>	-32.66	
			<i>For >20 To 40, Deduct</i>	-59.11	
			<i>For >40, Deduct</i>	-124.43	
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	998.22	168.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.07	
			<i>For Black Anodized Finish, Add</i>	132.14	
			<i>For >10 To 20, Deduct</i>	-34.87	
			<i>For >20 To 40, Deduct</i>	-63.13	
			<i>For >40, Deduct</i>	-132.86	
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,166.39	168.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	82.89	
			<i>For Black Anodized Finish, Add</i>	165.78	
			<i>For >10 To 20, Deduct</i>	-41.59	
			<i>For >20 To 40, Deduct</i>	-74.90	
			<i>For >40, Deduct</i>	-158.08	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,430.51	192.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	104.48	
			<i>For Black Anodized Finish, Add</i>	208.96	
			<i>For >10 To 20, Deduct</i>	-51.43	
			<i>For >20 To 40, Deduct</i>	-92.42	
			<i>For >40, Deduct</i>	-195.29	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,624.10	216.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.02	
			<i>For Black Anodized Finish, Add</i>	238.03	
			<i>For >10 To 20, Deduct</i>	-58.46	
			<i>For >20 To 40, Deduct</i>	-105.01	
			<i>For >40, Deduct</i>	-221.92	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,822.64	216.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	138.87	
			<i>For Black Anodized Finish, Add</i>	277.74	
			<i>For >10 To 20, Deduct</i>	-66.40	
			<i>For >20 To 40, Deduct</i>	-118.91	
			<i>For >40, Deduct</i>	-251.70	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	596.33	144.65
			<i>For Bronze Or Satin Anodized Finish, Add</i>	30.70	
			<i>For Black Anodized Finish, Add</i>	61.41	
			<i>For >10 To 20, Deduct</i>	-19.51	
			<i>For >20 To 40, Deduct</i>	-35.96	
			<i>For >40, Deduct</i>	-74.99	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	669.49	168.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.20	
			<i>For Black Anodized Finish, Add</i>	66.40	
			<i>For >10 To 20, Deduct</i>	-21.72	
			<i>For >20 To 40, Deduct</i>	-40.11	
			<i>For >40, Deduct</i>	-83.55	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	742.66	192.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.69	
			<i>For Black Anodized Finish, Add</i>	71.39	
			<i>For >10 To 20, Deduct</i>	-23.92	
			<i>For >20 To 40, Deduct</i>	-44.27	
			<i>For >40, Deduct</i>	-92.11	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	825.59	216.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.17	
			<i>For Black Anodized Finish, Add</i>	78.33	
			<i>For >10 To 20, Deduct</i>	-26.51	
			<i>For >20 To 40, Deduct</i>	-49.11	
			<i>For >40, Deduct</i>	-102.14	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0360	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	907.44 42.53 85.06 -29.07 -53.88 -112.01	241.08
26 56 13 00-0361	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	697.70 36.02 72.04 -22.85 -42.09 -87.78	168.76
26 56 13 00-0362	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	787.14 40.14 80.28 -25.70 -47.39 -98.79	192.86
26 56 13 00-0363	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	873.33 43.94 87.88 -28.42 -52.45 -109.30	216.97
26 56 13 00-0364	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,038.12 50.78 101.55 -33.57 -62.06 -129.20	265.18
26 56 13 00-0365	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,113.45 53.49 106.97 -35.86 -66.37 -138.09	289.29
26 56 13 00-0366	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	827.29 44.16 88.31 -27.31 -50.20 -104.81	192.86
26 56 13 00-0367	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	919.98 48.61 97.21 -30.29 -55.72 -116.30	216.97
26 56 13 00-0368	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,020.28 53.81 107.63 -33.58 -61.78 -128.93	241.08
26 56 13 00-0369	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,101.04 57.07 114.13 -36.09 -66.47 -138.64	265.18
26 56 13 00-0370	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,196.99 61.84 123.68 -39.20 -72.22 -150.62	289.29
26 56 13 00-0371	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,126.60 64.45 128.89 -37.83 -69.22 -144.88	241.08
26 56 13 00-0372	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,236.66 70.63 141.26 -41.51 -75.96 -158.98	265.18
26 56 13 00-0373	EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,302.23 72.37 144.73 -43.41 -79.58 -166.41	289.29
26 56 13 00-0374	EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,495.23 82.02 164.04 -49.68 -91.17 -190.53	337.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0375	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,694.72	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.33	
			<i>For Black Anodized Finish, Add</i>	184.66	
			<i>For >10 To 20, Deduct</i>	-56.22	
			<i>For >20 To 40, Deduct</i>	-103.20	
			<i>For >40, Deduct</i>	-215.64	
26 56 13 00-0376	EA		18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,342.98	265.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.26	
			<i>For Black Anodized Finish, Add</i>	162.52	
			<i>For >10 To 20, Deduct</i>	-45.76	
			<i>For >20 To 40, Deduct</i>	-83.40	
			<i>For >40, Deduct</i>	-174.93	
26 56 13 00-0377	EA		20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,431.34	289.29
			<i>For Bronze Or Satin Anodized Finish, Add</i>	85.28	
			<i>For Black Anodized Finish, Add</i>	170.55	
			<i>For >10 To 20, Deduct</i>	-48.57	
			<i>For >20 To 40, Deduct</i>	-88.62	
			<i>For >40, Deduct</i>	-185.77	
26 56 13 00-0378	EA		23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,597.21	337.50
			<i>For Bronze Or Satin Anodized Finish, Add</i>	92.22	
			<i>For Black Anodized Finish, Add</i>	184.44	
			<i>For >10 To 20, Deduct</i>	-53.76	
			<i>For >20 To 40, Deduct</i>	-98.30	
			<i>For >40, Deduct</i>	-205.83	
26 56 13 00-0379	EA		25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,772.83	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	100.14	
			<i>For Black Anodized Finish, Add</i>	200.28	
			<i>For >10 To 20, Deduct</i>	-59.34	
			<i>For >20 To 40, Deduct</i>	-108.67	
			<i>For >40, Deduct</i>	-227.35	
26 56 13 00-0380	EA		28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,908.92	409.83
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.93	
			<i>For Black Anodized Finish, Add</i>	217.85	
			<i>For >10 To 20, Deduct</i>	-64.06	
			<i>For >20 To 40, Deduct</i>	-117.23	
			<i>For >40, Deduct</i>	-245.36	
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,047.19	433.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	117.93	
			<i>For Black Anodized Finish, Add</i>	235.86	
			<i>For >10 To 20, Deduct</i>	-68.87	
			<i>For >20 To 40, Deduct</i>	-125.95	
			<i>For >40, Deduct</i>	-263.69	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,698.11	337.50
			<i>For Bronze Or Satin Anodized Finish, Add</i>	102.31	
			<i>For Black Anodized Finish, Add</i>	204.62	
			<i>For >10 To 20, Deduct</i>	-57.80	
			<i>For >20 To 40, Deduct</i>	-105.37	
			<i>For >40, Deduct</i>	-220.97	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,840.10	385.72
			<i>For Bronze Or Satin Anodized Finish, Add</i>	106.87	
			<i>For Black Anodized Finish, Add</i>	213.73	
			<i>For >10 To 20, Deduct</i>	-62.03	
			<i>For >20 To 40, Deduct</i>	-113.38	
			<i>For >40, Deduct</i>	-237.44	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,981.61	409.83
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.20	
			<i>For Black Anodized Finish, Add</i>	232.39	
			<i>For >10 To 20, Deduct</i>	-66.97	
			<i>For >20 To 40, Deduct</i>	-122.32	
			<i>For >40, Deduct</i>	-256.26	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,160.02	433.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	129.22	
			<i>For Black Anodized Finish, Add</i>	258.43	
			<i>For >10 To 20, Deduct</i>	-73.38	
			<i>For >20 To 40, Deduct</i>	-133.84	
			<i>For >40, Deduct</i>	-280.61	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,232.95	445.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	134.10	
			<i>For Black Anodized Finish, Add</i>	268.19	
			<i>For >10 To 20, Deduct</i>	-75.94	
			<i>For >20 To 40, Deduct</i>	-138.47	
			<i>For >40, Deduct</i>	-290.34	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,388.34	458.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	147.23	
			<i>For Black Anodized Finish, Add</i>	294.45	
			<i>For >10 To 20, Deduct</i>	-81.79	
			<i>For >20 To 40, Deduct</i>	-148.86	
			<i>For >40, Deduct</i>	-312.45	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	871.77	192.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	48.61	
			<i>For Black Anodized Finish, Add</i>	97.21	
			<i>For >10 To 20, Deduct</i>	-29.09	
			<i>For >20 To 40, Deduct</i>	-53.31	
			<i>For >40, Deduct</i>	-111.48	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	972.06	216.97
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.81	
			<i>For Black Anodized Finish, Add</i>	107.63	
			<i>For >10 To 20, Deduct</i>	-32.37	
			<i>For >20 To 40, Deduct</i>	-59.37	
			<i>For >40, Deduct</i>	-124.11	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0390	EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,076.69 59.45 118.91 -35.84 -65.73 -137.40	241.08
26 56 13 00-0391	EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,169.39 63.90 127.80 -38.82 -71.25 -148.89	265.18
26 56 13 00-0392	EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,261.00 68.24 136.48 -41.76 -76.70 -160.22	289.29
26 56 13 00-0393	EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,194.95 71.28 142.56 -40.57 -74.00 -155.14	241.08
26 56 13 00-0394	EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,308.26 77.79 155.58 -44.37 -80.97 -169.72	265.18
26 56 13 00-0395	EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,387.94 80.94 161.87 -46.84 -85.58 -179.26	289.29
26 56 13 00-0396	EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,575.51 90.05 180.10 -52.90 -96.79 -202.58	337.50
26 56 13 00-0397	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,769.58 99.81 199.63 -59.21 -108.44 -226.87	385.72
26 56 13 00-0398	EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,820.71 114.57 229.14 -62.70 -113.95 -239.36	337.50
26 56 13 00-0399	EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,002.84 123.14 246.28 -68.54 -124.77 -261.85	385.72
26 56 13 00-0400	EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,157.37 133.77 267.54 -74.00 -134.62 -282.62	409.83
26 56 13 00-0401	EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,293.47 142.56 285.12 -78.72 -143.19 -300.63	433.93
26 56 13 00-0402	EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,422.82 153.08 306.17 -83.53 -151.76 -318.82	445.99
26 56 13 00-0403	EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,534.81 161.87 323.74 -87.65 -159.11 -334.42	458.04
26 56 13 00-0404	EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,629.43 168.92 337.85 -91.07 -165.26 -347.41	470.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0405	EA		39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,805.43	482.15
			For Bronze Or Satin Anodized Finish, Add	184.11	
			For Black Anodized Finish, Add	368.23	
			For >10 To 20, Deduct	-97.75	
			For >20 To 40, Deduct	-177.09	
			For >40, Deduct	-372.60	
26 56 13 00-0406	EA		28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,626.06	409.83
			For Bronze Or Satin Anodized Finish, Add	180.64	
			For Black Anodized Finish, Add	361.28	
			For >10 To 20, Deduct	-92.75	
			For >20 To 40, Deduct	-167.43	
			For >40, Deduct	-352.93	
26 56 13 00-0407	EA		30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,835.93	433.93
			For Bronze Or Satin Anodized Finish, Add	196.81	
			For Black Anodized Finish, Add	393.61	
			For >10 To 20, Deduct	-100.42	
			For >20 To 40, Deduct	-181.16	
			For >40, Deduct	-382.00	
26 56 13 00-0408	EA		33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,986.98	445.99
			For Bronze Or Satin Anodized Finish, Add	209.50	
			For Black Anodized Finish, Add	419.00	
			For >10 To 20, Deduct	-106.10	
			For >20 To 40, Deduct	-191.25	
			For >40, Deduct	-403.45	
26 56 13 00-0409	EA		35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,100.05	458.04
			For Bronze Or Satin Anodized Finish, Add	218.40	
			For Black Anodized Finish, Add	436.79	
			For >10 To 20, Deduct	-110.26	
			For >20 To 40, Deduct	-198.68	
			For >40, Deduct	-419.20	
26 56 13 00-0410	EA		37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,159.96	470.10
			For Bronze Or Satin Anodized Finish, Add	221.98	
			For Black Anodized Finish, Add	443.95	
			For >10 To 20, Deduct	-112.30	
			For >20 To 40, Deduct	-202.39	
			For >40, Deduct	-426.98	
26 56 13 00-0411	EA		39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,354.40	482.15
			For Bronze Or Satin Anodized Finish, Add	239.01	
			For Black Anodized Finish, Add	478.02	
			For >10 To 20, Deduct	-119.71	
			For >20 To 40, Deduct	-215.52	
			For >40, Deduct	-454.95	
26 56 13 00-0412	EA		28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,477.42	409.83
			For Bronze Or Satin Anodized Finish, Add	165.78	
			For Black Anodized Finish, Add	331.55	
			For >10 To 20, Deduct	-86.80	
			For >20 To 40, Deduct	-157.03	
			For >40, Deduct	-330.63	
26 56 13 00-0413	EA		30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,667.77	433.93
			For Bronze Or Satin Anodized Finish, Add	179.99	
			For Black Anodized Finish, Add	359.98	
			For >10 To 20, Deduct	-93.69	
			For >20 To 40, Deduct	-169.39	
			For >40, Deduct	-356.77	
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,740.70	445.99
			For Bronze Or Satin Anodized Finish, Add	184.87	
			For Black Anodized Finish, Add	369.74	
			For >10 To 20, Deduct	-96.25	
			For >20 To 40, Deduct	-174.01	
			For >40, Deduct	-366.51	
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,938.40	458.04
			For Bronze Or Satin Anodized Finish, Add	202.23	
			For Black Anodized Finish, Add	404.46	
			For >10 To 20, Deduct	-103.79	
			For >20 To 40, Deduct	-187.37	
			For >40, Deduct	-394.96	
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,031.93	470.10
			For Bronze Or Satin Anodized Finish, Add	209.17	
			For Black Anodized Finish, Add	418.35	
			For >10 To 20, Deduct	-107.17	
			For >20 To 40, Deduct	-193.43	
			For >40, Deduct	-407.78	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,227.46	482.15
			For Bronze Or Satin Anodized Finish, Add	226.32	
			For Black Anodized Finish, Add	452.63	
			For >10 To 20, Deduct	-114.63	
			For >20 To 40, Deduct	-206.64	
			For >40, Deduct	-435.90	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,156.59	409.83
			For Bronze Or Satin Anodized Finish, Add	233.69	
			For Black Anodized Finish, Add	467.39	
			For >10 To 20, Deduct	-113.97	
			For >20 To 40, Deduct	-204.57	
			For >40, Deduct	-432.51	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,337.17	433.93
			For Bronze Or Satin Anodized Finish, Add	246.93	
			For Black Anodized Finish, Add	493.86	
			For >10 To 20, Deduct	-120.47	
			For >20 To 40, Deduct	-216.24	
			For >40, Deduct	-457.18	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0420	EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,490.39	445.99
	For Bronze Or Satin Anodized Finish, Add	259.84	
	For Black Anodized Finish, Add	519.68	
	For >10 To 20, Deduct	-126.24	
	For >20 To 40, Deduct	-226.49	
	For >40, Deduct	-478.96	
26 56 13 00-0421	EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,731.48	458.04
	For Bronze Or Satin Anodized Finish, Add	281.54	
	For Black Anodized Finish, Add	563.08	
	For >10 To 20, Deduct	-135.52	
	For >20 To 40, Deduct	-242.88	
	For >40, Deduct	-513.92	
26 56 13 00-0422	EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,779.45	470.10
	For Bronze Or Satin Anodized Finish, Add	283.93	
	For Black Anodized Finish, Add	567.85	
	For >10 To 20, Deduct	-137.08	
	For >20 To 40, Deduct	-245.76	
	For >40, Deduct	-519.91	
26 56 13 00-0423	EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,019.46	482.15
	For Bronze Or Satin Anodized Finish, Add	305.52	
	For Black Anodized Finish, Add	611.03	
	For >10 To 20, Deduct	-146.31	
	For >20 To 40, Deduct	-262.08	
	For >40, Deduct	-554.70	
26 56 13 00-0424	EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,003.94	723.23
	For Bronze Or Satin Anodized Finish, Add	355.75	
	For Black Anodized Finish, Add	711.50	
	For >10 To 20, Deduct	-178.46	
	For >20 To 40, Deduct	-321.35	
	For >40, Deduct	-678.27	
26 56 13 00-0425	EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,138.47	723.23
	For Bronze Or Satin Anodized Finish, Add	369.20	
	For Black Anodized Finish, Add	738.40	
	For >10 To 20, Deduct	-183.84	
	For >20 To 40, Deduct	-330.76	
	For >40, Deduct	-698.45	
26 56 13 00-0426	Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	829.59	144.65
	For Bronze, Satin Or Black Anodized Finish, Add	81.05	
	For >10 To 20, Deduct	-28.84	
	For >20 To 40, Deduct	-52.29	
	For >40, Deduct	-109.97	
26 56 13 00-0428	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	900.58	168.76
	For Bronze, Satin Or Black Anodized Finish, Add	84.46	
	For >10 To 20, Deduct	-30.96	
	For >20 To 40, Deduct	-56.29	
	For >40, Deduct	-118.21	
26 56 13 00-0429	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	972.67	192.86
	For Bronze, Satin Or Black Anodized Finish, Add	88.04	
	For >10 To 20, Deduct	-33.12	
	For >20 To 40, Deduct	-60.37	
	For >40, Deduct	-126.61	
26 56 13 00-0430	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,046.92	216.97
	For Bronze, Satin Or Black Anodized Finish, Add	91.95	
	For >10 To 20, Deduct	-35.37	
	For >20 To 40, Deduct	-64.61	
	For >40, Deduct	-135.34	
26 56 13 00-0431	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,120.09	241.08
	For Bronze, Satin Or Black Anodized Finish, Add	95.69	
	For >10 To 20, Deduct	-37.57	
	For >20 To 40, Deduct	-68.76	
	For >40, Deduct	-143.91	
26 56 13 00-0432	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	913.60	168.76
	For Bronze, Satin Or Black Anodized Finish, Add	86.42	
	For >10 To 20, Deduct	-31.48	
	For >20 To 40, Deduct	-57.20	
	For >40, Deduct	-120.17	
26 56 13 00-0433	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	987.86	192.86
	For Bronze, Satin Or Black Anodized Finish, Add	90.32	
	For >10 To 20, Deduct	-33.73	
	For >20 To 40, Deduct	-61.44	
	For >40, Deduct	-128.89	
26 56 13 00-0434	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,064.27	216.97
	For Bronze, Satin Or Black Anodized Finish, Add	94.55	
	For >10 To 20, Deduct	-36.06	
	For >20 To 40, Deduct	-65.82	
	For >40, Deduct	-137.94	
26 56 13 00-0435	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,139.62	241.08
	For Bronze, Satin Or Black Anodized Finish, Add	98.62	
	For >10 To 20, Deduct	-38.35	
	For >20 To 40, Deduct	-70.13	
	For >40, Deduct	-146.84	
26 56 13 00-0436	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,229.06	265.18
	For Bronze, Satin Or Black Anodized Finish, Add	104.80	
	For >10 To 20, Deduct	-41.21	
	For >20 To 40, Deduct	-75.43	
	For >40, Deduct	-157.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0437	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,308.74	289.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	109.52	
			<i>For >10 To 20, Deduct</i>	-43.67	
			<i>For >20 To 40, Deduct</i>	-80.04	
			<i>For >40, Deduct</i>	-167.38	
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,030.17	192.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.67	
			<i>For >10 To 20, Deduct</i>	-35.42	
			<i>For >20 To 40, Deduct</i>	-64.40	
			<i>For >40, Deduct</i>	-135.24	
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,112.01	216.97
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.71	
			<i>For >10 To 20, Deduct</i>	-37.97	
			<i>For >20 To 40, Deduct</i>	-69.16	
			<i>For >40, Deduct</i>	-145.11	
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,206.88	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.71	
			<i>For >10 To 20, Deduct</i>	-41.04	
			<i>For >20 To 40, Deduct</i>	-74.84	
			<i>For >40, Deduct</i>	-156.92	
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,290.91	265.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	114.08	
			<i>For >10 To 20, Deduct</i>	-43.68	
			<i>For >20 To 40, Deduct</i>	-79.76	
			<i>For >40, Deduct</i>	-167.12	
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,389.02	289.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.57	
			<i>For >10 To 20, Deduct</i>	-46.88	
			<i>For >20 To 40, Deduct</i>	-85.66	
			<i>For >40, Deduct</i>	-179.42	
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,268.72	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.99	
			<i>For >10 To 20, Deduct</i>	-43.52	
			<i>For >20 To 40, Deduct</i>	-79.17	
			<i>For >40, Deduct</i>	-166.20	
26 56 13 00-0444	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,374.45	265.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.61	
			<i>For >10 To 20, Deduct</i>	-47.02	
			<i>For >20 To 40, Deduct</i>	-85.60	
			<i>For >40, Deduct</i>	-179.65	
26 56 13 00-0445	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,456.29	289.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	131.66	
			<i>For >10 To 20, Deduct</i>	-49.57	
			<i>For >20 To 40, Deduct</i>	-90.37	
			<i>For >40, Deduct</i>	-189.51	
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,063.80	192.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.71	
			<i>For >10 To 20, Deduct</i>	-36.77	
			<i>For >20 To 40, Deduct</i>	-66.75	
			<i>For >40, Deduct</i>	-140.28	
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,163.00	216.97
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	109.36	
			<i>For >10 To 20, Deduct</i>	-40.01	
			<i>For >20 To 40, Deduct</i>	-72.73	
			<i>For >40, Deduct</i>	-152.75	
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,268.72	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.99	
			<i>For >10 To 20, Deduct</i>	-43.52	
			<i>For >20 To 40, Deduct</i>	-79.17	
			<i>For >40, Deduct</i>	-166.20	
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,361.43	265.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	124.66	
			<i>For >10 To 20, Deduct</i>	-46.50	
			<i>For >20 To 40, Deduct</i>	-84.69	
			<i>For >40, Deduct</i>	-177.70	
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,461.71	289.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	132.47	
			<i>For >10 To 20, Deduct</i>	-49.79	
			<i>For >20 To 40, Deduct</i>	-90.75	
			<i>For >40, Deduct</i>	-190.33	
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,339.24	241.08
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	128.56	
			<i>For >10 To 20, Deduct</i>	-46.34	
			<i>For >20 To 40, Deduct</i>	-84.10	
			<i>For >40, Deduct</i>	-176.78	
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,453.65	265.18
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	138.49	
			<i>For >10 To 20, Deduct</i>	-50.19	
			<i>For >20 To 40, Deduct</i>	-91.15	
			<i>For >40, Deduct</i>	-191.53	
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,540.91	289.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	144.35	
			<i>For >10 To 20, Deduct</i>	-52.96	
			<i>For >20 To 40, Deduct</i>	-96.29	
			<i>For >40, Deduct</i>	-202.21	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)
 Note: Includes rubberized undercoating on embedded portion.

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0455	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	562.22	120.54
	For Bronze Or Satin Anodized Finish, Add	32.11	
	For Black Anodized Finish, Add	64.23	
	For >10 To 20, Deduct	-18.87	
	For >20 To 40, Deduct	-34.53	
	For >40, Deduct	-72.28	
26 56 13 00-0456	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	592.60	120.54
	For Bronze Or Satin Anodized Finish, Add	35.15	
	For Black Anodized Finish, Add	70.30	
	For >10 To 20, Deduct	-20.09	
	For >20 To 40, Deduct	-36.66	
	For >40, Deduct	-76.84	
26 56 13 00-0457	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	641.65	132.59
	For Bronze Or Satin Anodized Finish, Add	37.65	
	For Black Anodized Finish, Add	75.29	
	For >10 To 20, Deduct	-21.69	
	For >20 To 40, Deduct	-39.61	
	For >40, Deduct	-82.99	
26 56 13 00-0458	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	683.12	144.65
	For Bronze Or Satin Anodized Finish, Add	39.38	
	For Black Anodized Finish, Add	78.77	
	For >10 To 20, Deduct	-22.99	
	For >20 To 40, Deduct	-42.03	
	For >40, Deduct	-88.00	
26 56 13 00-0459	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	722.18	144.65
	For Bronze Or Satin Anodized Finish, Add	43.29	
	For Black Anodized Finish, Add	86.58	
	For >10 To 20, Deduct	-24.55	
	For >20 To 40, Deduct	-44.77	
	For >40, Deduct	-93.86	
26 56 13 00-0460	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	670.94	132.59
	For Bronze Or Satin Anodized Finish, Add	40.58	
	For Black Anodized Finish, Add	81.15	
	For >10 To 20, Deduct	-22.86	
	For >20 To 40, Deduct	-41.66	
	For >40, Deduct	-87.38	
26 56 13 00-0461	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	725.43	144.65
	For Bronze Or Satin Anodized Finish, Add	43.61	
	For Black Anodized Finish, Add	87.23	
	For >10 To 20, Deduct	-24.68	
	For >20 To 40, Deduct	-44.99	
	For >40, Deduct	-94.35	
26 56 13 00-0462	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	747.13	144.65
	For Bronze Or Satin Anodized Finish, Add	45.78	
	For Black Anodized Finish, Add	91.57	
	For >10 To 20, Deduct	-25.55	
	For >20 To 40, Deduct	-46.51	
	For >40, Deduct	-97.61	
26 56 13 00-0463	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	805.95	156.70
	For Bronze Or Satin Anodized Finish, Add	49.26	
	For Black Anodized Finish, Add	98.51	
	For >10 To 20, Deduct	-27.54	
	For >20 To 40, Deduct	-50.15	
	For >40, Deduct	-105.22	
26 56 13 00-0464	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	860.44	168.76
	For Bronze Or Satin Anodized Finish, Add	52.29	
	For Black Anodized Finish, Add	104.59	
	For >10 To 20, Deduct	-29.36	
	For >20 To 40, Deduct	-53.48	
	For >40, Deduct	-112.19	
26 56 13 00-0465	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	810.06	144.65
	For Bronze Or Satin Anodized Finish, Add	52.08	
	For Black Anodized Finish, Add	104.15	
	For >10 To 20, Deduct	-28.06	
	For >20 To 40, Deduct	-50.92	
	For >40, Deduct	-107.04	
26 56 13 00-0466	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	875.38	156.70
	For Bronze Or Satin Anodized Finish, Add	56.20	
	For Black Anodized Finish, Add	112.40	
	For >10 To 20, Deduct	-30.31	
	For >20 To 40, Deduct	-55.01	
	For >40, Deduct	-115.64	
26 56 13 00-0467	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	935.30	168.76
	For Bronze Or Satin Anodized Finish, Add	59.78	
	For Black Anodized Finish, Add	119.56	
	For >10 To 20, Deduct	-32.35	
	For >20 To 40, Deduct	-58.72	
	For >40, Deduct	-123.42	
26 56 13 00-0468	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	964.35	156.70
	For Bronze Or Satin Anodized Finish, Add	65.10	
	For Black Anodized Finish, Add	130.19	
	For >10 To 20, Deduct	-33.87	
	For >20 To 40, Deduct	-61.24	
	For >40, Deduct	-128.98	
26 56 13 00-0469	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,239.56	192.86
	For Bronze Or Satin Anodized Finish, Add	85.38	
	For Black Anodized Finish, Add	170.77	
	For >10 To 20, Deduct	-43.80	
	For >20 To 40, Deduct	-79.05	
	For >40, Deduct	-166.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0470	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,362.16 97.64 195.29 -48.70 -87.64 -185.04	192.86
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,515.61 108.17 216.34 -54.12 -97.41 -205.65	216.97
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,649.05 121.51 243.02 -59.45 -106.75 -225.66	216.97
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	737.37 44.81 89.62 -25.16 -45.83 -96.14	144.65
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	808.36 47.09 94.17 -27.27 -49.84 -104.38	168.76
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	888.04 50.23 100.46 -29.74 -54.45 -113.92	192.86
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	966.63 53.27 106.54 -32.16 -58.99 -123.30	216.97
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,010.27 55.22 110.45 -33.54 -61.56 -128.64	229.03
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,053.91 57.18 114.35 -34.92 -64.13 -133.98	241.08
26 56 13 00-0481	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,139.02 60.87 121.73 -37.61 -69.12 -144.33	265.18
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,233.88 65.53 131.06 -40.68 -74.80 -156.15	289.29
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,128.77 64.66 129.32 -37.92 -69.37 -145.21	241.08
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,216.05 68.57 137.14 -40.69 -74.52 -155.89	265.18
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,317.42 73.88 147.77 -44.02 -80.65 -168.68	289.29

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0486	EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,335.75 87.77 175.54 -46.56 -84.34 -177.46	229.03
26 56 13 00-0487	EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,628.79 105.02 210.04 -56.47 -102.44 -215.39	289.29
26 56 13 00-0488	EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,957.27 118.58 237.17 -66.72 -121.58 -255.02	385.72
26 56 13 00-0489	EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,384.68 80.61 161.22 -46.71 -85.36 -178.77	289.29
26 56 13 00-0490	EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,760.07 118.15 236.30 -61.72 -111.63 -235.08	289.29
26 56 13 00-0491	EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,076.61 130.52 261.03 -71.49 -129.93 -272.92	385.72
26 56 13 00-0492	EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,966.21 138.76 277.53 -69.97 -126.06 -266.00	289.29
26 56 13 00-0493	EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,345.67 157.42 314.85 -82.26 -148.77 -313.28	385.72
26 56 13 00-0494	EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,722.02 185.42 370.83 -95.86 -173.18 -364.91	433.93
26 56 13 00-0495	Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0473)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	668.54 42.75 85.49 -23.13 -41.98 -88.23	120.54
26 56 13 00-0497	EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	747.97 48.28 96.56 -25.94 -47.05 -98.94	132.59
26 56 13 00-0498	EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	794.87 50.56 101.12 -27.46 -49.86 -104.77	144.65
26 56 13 00-0499	EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	821.99 53.27 106.54 -28.54 -51.75 -108.83	144.65
26 56 13 00-0500	EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	855.62 56.63 113.27 -29.89 -54.11 -113.88	144.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	994.73 68.13 136.27 -35.09 -63.36 -133.54	156.70
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,065.49 72.80 145.60 -37.56 -67.83 -142.95	168.76
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,235.82 89.83 179.66 -44.37 -79.76 -168.50	168.76
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,420.74 103.50 207.00 -51.04 -91.74 -193.83	192.86
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,801.55 141.58 283.17 -66.28 -118.39 -250.95	192.86
26 56 13 00-0506			Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles.....	55.74	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	40.44	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles.....	84.32	
26 56 13 00-0510			Fiberglass Area Light Poles (26 56 13 00-0177) Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511			Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512			Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,261.91 -45.41 -81.58 -172.41	168.76
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,365.15 -48.82 -87.85 -185.49	192.86
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,469.96 -52.29 -94.22 -198.80	216.97
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,573.20 -55.70 -100.48 -211.87	241.08
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,704.74 -60.23 -108.72 -229.19	265.18
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,811.12 -63.77 -115.21 -242.74	289.29
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,964.16 -68.44 -123.99 -260.87	337.50
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,115.60 -73.05 -132.66 -278.77	385.72
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,242.94 -78.15 -141.58 -297.87	385.72
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,402.77 -83.82 -151.80 -319.43	409.83
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,562.62 -89.49 -162.03 -341.00	433.93

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0524	EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,406.54	168.76
	<i>For >10 To 20, Deduct</i>	-51.20	
	<i>For >20 To 40, Deduct</i>	-91.71	
	<i>For >40, Deduct</i>	-194.11	
26 56 13 00-0525	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,481.49	192.86
	<i>For >10 To 20, Deduct</i>	-53.47	
	<i>For >20 To 40, Deduct</i>	-95.99	
	<i>For >40, Deduct</i>	-202.94	
26 56 13 00-0526	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,558.00	216.97
	<i>For >10 To 20, Deduct</i>	-55.81	
	<i>For >20 To 40, Deduct</i>	-100.38	
	<i>For >40, Deduct</i>	-212.00	
26 56 13 00-0527	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,637.66	241.08
	<i>For >10 To 20, Deduct</i>	-58.27	
	<i>For >20 To 40, Deduct</i>	-104.99	
	<i>For >40, Deduct</i>	-221.54	
26 56 13 00-0528	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,725.18	265.18
	<i>For >10 To 20, Deduct</i>	-61.05	
	<i>For >20 To 40, Deduct</i>	-110.16	
	<i>For >40, Deduct</i>	-232.26	
26 56 13 00-0529	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,811.12	289.29
	<i>For >10 To 20, Deduct</i>	-63.77	
	<i>For >20 To 40, Deduct</i>	-115.21	
	<i>For >40, Deduct</i>	-242.74	
26 56 13 00-0530	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,945.29	337.50
	<i>For >10 To 20, Deduct</i>	-67.69	
	<i>For >20 To 40, Deduct</i>	-122.67	
	<i>For >40, Deduct</i>	-258.04	
26 56 13 00-0531	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,115.60	385.72
	<i>For >10 To 20, Deduct</i>	-73.05	
	<i>For >20 To 40, Deduct</i>	-132.66	
	<i>For >40, Deduct</i>	-278.77	
26 56 13 00-0532	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,169.05	385.72
	<i>For >10 To 20, Deduct</i>	-75.19	
	<i>For >20 To 40, Deduct</i>	-136.40	
	<i>For >40, Deduct</i>	-286.79	
26 56 13 00-0533	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,272.29	409.83
	<i>For >10 To 20, Deduct</i>	-78.60	
	<i>For >20 To 40, Deduct</i>	-142.67	
	<i>For >40, Deduct</i>	-299.86	
26 56 13 00-0534	EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,375.53	433.93
	<i>For >10 To 20, Deduct</i>	-82.00	
	<i>For >20 To 40, Deduct</i>	-148.93	
	<i>For >40, Deduct</i>	-312.94	
26 56 13 00-0535	EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,618.78	168.76
	<i>For >10 To 20, Deduct</i>	-59.69	
	<i>For >20 To 40, Deduct</i>	-106.56	
	<i>For >40, Deduct</i>	-225.94	
26 56 13 00-0536	EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,715.73	192.86
	<i>For >10 To 20, Deduct</i>	-62.84	
	<i>For >20 To 40, Deduct</i>	-112.39	
	<i>For >40, Deduct</i>	-238.07	
26 56 13 00-0537	EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,812.68	216.97
	<i>For >10 To 20, Deduct</i>	-66.00	
	<i>For >20 To 40, Deduct</i>	-118.21	
	<i>For >40, Deduct</i>	-250.21	
26 56 13 00-0538	EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,911.21	241.08
	<i>For >10 To 20, Deduct</i>	-69.22	
	<i>For >20 To 40, Deduct</i>	-124.14	
	<i>For >40, Deduct</i>	-262.57	
26 56 13 00-0539	EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,016.02	265.18
	<i>For >10 To 20, Deduct</i>	-72.69	
	<i>For >20 To 40, Deduct</i>	-130.51	
	<i>For >40, Deduct</i>	-275.88	
26 56 13 00-0540	EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,130.26	289.29
	<i>For >10 To 20, Deduct</i>	-76.53	
	<i>For >20 To 40, Deduct</i>	-137.55	
	<i>For >40, Deduct</i>	-290.61	
26 56 13 00-0541	EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,306.88	337.50
	<i>For >10 To 20, Deduct</i>	-82.15	
	<i>For >20 To 40, Deduct</i>	-147.98	
	<i>For >40, Deduct</i>	-312.28	
26 56 13 00-0542	EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,485.05	385.72
	<i>For >10 To 20, Deduct</i>	-87.83	
	<i>For >20 To 40, Deduct</i>	-158.52	
	<i>For >40, Deduct</i>	-334.19	
26 56 13 00-0543	EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,566.80	385.72
	<i>For >10 To 20, Deduct</i>	-91.10	
	<i>For >20 To 40, Deduct</i>	-164.25	
	<i>For >40, Deduct</i>	-346.45	
26 56 13 00-0544	EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,743.92	409.83
	<i>For >10 To 20, Deduct</i>	-97.46	
	<i>For >20 To 40, Deduct</i>	-175.68	
	<i>For >40, Deduct</i>	-370.61	
26 56 13 00-0545	EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,884.90	433.93
	<i>For >10 To 20, Deduct</i>	-102.38	
	<i>For >20 To 40, Deduct</i>	-184.59	
	<i>For >40, Deduct</i>	-389.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0546	EA		32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,001.76	445.99
			<i>For >10 To 20, Deduct</i>	-106.69	
			<i>For >20 To 40, Deduct</i>	-192.28	
			<i>For >40, Deduct</i>	-405.67	
26 56 13 00-0547	EA		34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,118.63	458.04
			<i>For >10 To 20, Deduct</i>	-111.00	
			<i>For >20 To 40, Deduct</i>	-199.98	
			<i>For >40, Deduct</i>	-421.99	
26 56 13 00-0548			Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0511)</small>		
26 56 13 00-0549	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	769.31	120.54
			<i>For >10 To 20, Deduct</i>	-27.16	
			<i>For >20 To 40, Deduct</i>	-49.03	
			<i>For >40, Deduct</i>	-103.34	
26 56 13 00-0550	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	823.28	132.59
			<i>For >10 To 20, Deduct</i>	-28.95	
			<i>For >20 To 40, Deduct</i>	-52.33	
			<i>For >40, Deduct</i>	-110.23	
26 56 13 00-0551	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	875.69	144.65
			<i>For >10 To 20, Deduct</i>	-30.69	
			<i>For >20 To 40, Deduct</i>	-55.51	
			<i>For >40, Deduct</i>	-116.89	
26 56 13 00-0552	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	902.42	144.65
			<i>For >10 To 20, Deduct</i>	-31.76	
			<i>For >20 To 40, Deduct</i>	-57.38	
			<i>For >40, Deduct</i>	-120.90	
26 56 13 00-0553	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	970.54	156.70
			<i>For >10 To 20, Deduct</i>	-34.12	
			<i>For >20 To 40, Deduct</i>	-61.67	
			<i>For >40, Deduct</i>	-129.91	
26 56 13 00-0554	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,026.09	168.76
			<i>For >10 To 20, Deduct</i>	-35.98	
			<i>For >20 To 40, Deduct</i>	-65.08	
			<i>For >40, Deduct</i>	-137.04	
26 56 13 00-0555	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,086.36	180.81
			<i>For >10 To 20, Deduct</i>	-38.03	
			<i>For >20 To 40, Deduct</i>	-68.81	
			<i>For >40, Deduct</i>	-144.87	
26 56 13 00-0556	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.49	192.86
			<i>For >10 To 20, Deduct</i>	-40.39	
			<i>For >20 To 40, Deduct</i>	-73.10	
			<i>For >40, Deduct</i>	-153.89	
26 56 13 00-0557	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,305.41	192.86
			<i>For >10 To 20, Deduct</i>	-46.43	
			<i>For >20 To 40, Deduct</i>	-83.66	
			<i>For >40, Deduct</i>	-176.53	
26 56 13 00-0558	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,480.44	204.92
			<i>For >10 To 20, Deduct</i>	-53.07	
			<i>For >20 To 40, Deduct</i>	-95.43	
			<i>For >40, Deduct</i>	-201.57	
26 56 13 00-0559	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,655.47	216.97
			<i>For >10 To 20, Deduct</i>	-59.71	
			<i>For >20 To 40, Deduct</i>	-107.20	
			<i>For >40, Deduct</i>	-226.62	
26 56 13 00-0560	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	913.95	120.54
			<i>For >10 To 20, Deduct</i>	-32.94	
			<i>For >20 To 40, Deduct</i>	-59.15	
			<i>For >40, Deduct</i>	-125.04	
26 56 13 00-0561	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	975.78	132.59
			<i>For >10 To 20, Deduct</i>	-35.05	
			<i>For >20 To 40, Deduct</i>	-63.00	
			<i>For >40, Deduct</i>	-133.11	
26 56 13 00-0562	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,037.62	144.65
			<i>For >10 To 20, Deduct</i>	-37.17	
			<i>For >20 To 40, Deduct</i>	-66.85	
			<i>For >40, Deduct</i>	-141.18	
26 56 13 00-0563	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,076.92	144.65
			<i>For >10 To 20, Deduct</i>	-38.74	
			<i>For >20 To 40, Deduct</i>	-69.60	
			<i>For >40, Deduct</i>	-147.07	
26 56 13 00-0564	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,138.75	156.70
			<i>For >10 To 20, Deduct</i>	-40.85	
			<i>For >20 To 40, Deduct</i>	-73.44	
			<i>For >40, Deduct</i>	-155.14	
26 56 13 00-0565	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,200.59	168.76
			<i>For >10 To 20, Deduct</i>	-42.96	
			<i>For >20 To 40, Deduct</i>	-77.29	
			<i>For >40, Deduct</i>	-163.21	
26 56 13 00-0566	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,262.43	180.81
			<i>For >10 To 20, Deduct</i>	-45.07	
			<i>For >20 To 40, Deduct</i>	-81.14	
			<i>For >40, Deduct</i>	-171.28	
26 56 13 00-0567	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,360.43	192.86
			<i>For >10 To 20, Deduct</i>	-48.63	
			<i>For >20 To 40, Deduct</i>	-87.52	
			<i>For >40, Deduct</i>	-184.78	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0568	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,506.64	192.86
	For >10 To 20, Deduct	-54.48	
	For >20 To 40, Deduct	-97.75	
	For >40, Deduct	-206.71	
26 56 13 00-0569	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,678.53	204.92
	For >10 To 20, Deduct	-60.99	
	For >20 To 40, Deduct	-109.30	
	For >40, Deduct	-231.29	
26 56 13 00-0570	EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,848.84	216.97
	For >10 To 20, Deduct	-67.44	
	For >20 To 40, Deduct	-120.74	
	For >40, Deduct	-255.63	
26 56 13 00-0571	EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,041.29	120.54
	For >10 To 20, Deduct	-38.04	
	For >20 To 40, Deduct	-68.07	
	For >40, Deduct	-144.14	
26 56 13 00-0572	EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,093.69	132.59
	For >10 To 20, Deduct	-39.77	
	For >20 To 40, Deduct	-71.25	
	For >40, Deduct	-150.79	
26 56 13 00-0573	EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,144.52	144.65
	For >10 To 20, Deduct	-41.44	
	For >20 To 40, Deduct	-74.33	
	For >40, Deduct	-157.21	
26 56 13 00-0574	EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,171.25	144.65
	For >10 To 20, Deduct	-42.51	
	For >20 To 40, Deduct	-76.20	
	For >40, Deduct	-161.22	
26 56 13 00-0575	EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,222.08	156.70
	For >10 To 20, Deduct	-44.18	
	For >20 To 40, Deduct	-79.28	
	For >40, Deduct	-167.64	
26 56 13 00-0576	EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,274.48	168.76
	For >10 To 20, Deduct	-45.92	
	For >20 To 40, Deduct	-82.46	
	For >40, Deduct	-174.30	
26 56 13 00-0577	EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,380.34	180.81
	For >10 To 20, Deduct	-49.79	
	For >20 To 40, Deduct	-89.39	
	For >40, Deduct	-188.97	
26 56 13 00-0578	EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,505.07	192.86
	For >10 To 20, Deduct	-54.42	
	For >20 To 40, Deduct	-97.64	
	For >40, Deduct	-206.47	
26 56 13 00-0579	EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,596.25	192.86
	For >10 To 20, Deduct	-58.06	
	For >20 To 40, Deduct	-104.02	
	For >40, Deduct	-220.15	
26 56 13 00-0580	EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,713.12	204.92
	For >10 To 20, Deduct	-62.38	
	For >20 To 40, Deduct	-111.72	
	For >40, Deduct	-236.48	
26 56 13 00-0581	EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,829.97	216.97
	For >10 To 20, Deduct	-66.69	
	For >20 To 40, Deduct	-119.42	
	For >40, Deduct	-252.80	
26 56 13 00-0582	Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583	EA Open Or Capped Top For Fiberglass Area Light Poles.....	55.74	
26 56 13 00-0584	EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	55.74	
26 56 13 00-0585	EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	105.76	
26 56 13 00-0586	EA Vibration Dampener For Fiberglass Area Light Poles.....	140.06	
26 56 13 00-0587	Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588	Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589	EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,978.47	409.83
26 56 13 00-0590	EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,084.63	433.93
26 56 13 00-0591	EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,165.34	445.99
26 56 13 00-0592	EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,760.50	458.04
26 56 13 00-0593	EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,085.36	482.15
26 56 13 00-0594	EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,797.63	626.80
26 56 13 00-0595	EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,535.06	771.44
26 56 13 00-0596	EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,634.89	409.83
	Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,376.80	433.93
	Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	485.51	144.65
26 56 13 00-0599	EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,784.69	289.19
26 56 13 00-0600	EA Pole Base Cover For All Octagon Poles.....	188.08	59.02
26 56 13 00-0601	EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	385.93	118.03
26 56 13 00-0602	Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
	Note: Round or square.		
26 56 13 00-0603	EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,299.95	192.86

Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,582.56	241.08
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,835.43	289.29
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,929.02	433.93
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,560.66	458.04
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,245.01	482.15
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,032.30	626.80
26 56 13 00-0610			Round Tapered, Spun Concrete Area Light Poles, Direct Burial <small>(26 56 13 00-0587)</small>		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	12,873.72	1,084.84
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	15,316.20	1,316.80
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	18,171.44	1,778.82
26 56 13 00-0614			Treated Wood Area Light Poles <small>(26 56 13 00-0177)</small>		
			See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615			Cast Iron Decorative Light Posts <small>(26 56 13 00-0177)</small>		
26 56 13 00-0616			Round Tapered, Cast Iron Decorative Light Post, Anchor Base <small>(26 56 13 00-0615)</small>		
			Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,043.10	120.54
26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,101.04	138.86
26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,193.46	144.65
26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,465.58	168.76
26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,710.57	183.21
26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,967.32	197.68
26 56 13 00-0623			Landscape Light Poles <small>(26 56 13 00-0001)</small>		
			Note: Excludes lighting fixtures.		
26 56 13 00-0624			Aluminum Landscape Light Poles <small>(26 56 13 00-0623)</small>		
			Note: Includes painted finish.		
26 56 13 00-0625			Round Straight, Aluminum Landscape Light Poles <small>(26 56 13 00-0624)</small>		
26 56 13 00-0626			Round Straight, Aluminum Landscape Light Poles, Anchor Base <small>(26 56 13 00-0625)</small>		
26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	385.84	144.65
26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	691.28	192.86
26 56 13 00-0629			Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>		
26 56 13 00-0630	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	340.40	144.65
26 56 13 00-0631	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	645.84	192.86
26 56 13 00-0632			Steel Landscape Light Poles <small>(26 56 13 00-0623)</small>		
			Note: Includes painted finish.		
26 56 13 00-0633			Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>		
26 56 13 00-0634			Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>		
26 56 13 00-0635	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	384.45	144.65
26 56 13 00-0636			Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>		
26 56 13 00-0637	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	363.13	144.65
26 56 13 00-0638			Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0639			Light Pole Brackets <small>(26 56 13 00-0638)</small>		
26 56 13 00-0640			Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0641			Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0642			Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>		
			Note: Includes powdercoat finish.		
26 56 13 00-0643	EA		Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	439.48	28.93
			<i>For Galvanized Finish, Add</i>	38.16	
26 56 13 00-0644	EA		Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	554.61	28.93
			<i>For Galvanized Finish, Add</i>	49.68	
26 56 13 00-0645	EA		Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	589.76	28.93
			<i>For Galvanized Finish, Add</i>	53.19	
26 56 13 00-0646	EA		Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	806.70	28.93
			<i>For Galvanized Finish, Add</i>	74.88	
26 56 13 00-0647	EA		Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	840.48	28.93
			<i>For Galvanized Finish, Add</i>	78.26	
26 56 13 00-0648			Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>		
			Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA		Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	234.70	28.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	17.68	
			<i>For Black Anodized Finish, Add</i>	35.37	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0650	EA		Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	291.12 23.33 46.65	28.93
26 56 13 00-0651	EA		Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	306.31 24.85 49.69	28.93
26 56 13 00-0652	EA		Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	359.47 30.16 60.32	28.93
26 56 13 00-0653	EA		Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	370.32 31.25 62.49	28.93
26 56 13 00-0654			Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655			Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654) Note: Includes powdercoat finish.		
26 56 13 00-0656	EA		Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	472.35 41.45	28.93
26 56 13 00-0657	EA		Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	582.64 52.48	28.93
26 56 13 00-0658	EA		Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	712.17 65.43	28.93
26 56 13 00-0659	EA		Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	842.30 78.44	28.93
26 56 13 00-0660			Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661			Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660) Note: Includes powdercoat finish.		
26 56 13 00-0662	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	449.41	48.22
26 56 13 00-0663	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	675.14	48.22
26 56 13 00-0664	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	942.23	48.22
26 56 13 00-0665	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,030.09	48.22
26 56 13 00-0666			Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667			Wood Pole Streetlight Arms (26 56 13 00-0666)		
26 56 13 00-0668			Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669	EA		1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	262.83	43.39
26 56 13 00-0670	EA		1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	278.38	48.22
26 56 13 00-0671	EA		1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	323.24	60.27
26 56 13 00-0672	EA		2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	386.54	48.22
26 56 13 00-0673	EA		2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	431.11	60.27
26 56 13 00-0674	EA		2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	523.24	72.32
26 56 13 00-0675			Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676	EA		1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	217.91	48.22
26 56 13 00-0677	EA		2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	280.23	48.22
26 56 13 00-0678	EA		2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	378.35	60.27
26 56 13 00-0679	EA		2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	502.31	72.32
26 56 13 00-0680			Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681			Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682	EA		Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	498.89	48.22
26 56 13 00-0683	EA		Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	780.51	53.03
26 56 13 00-0684	EA		Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	867.18	57.86
26 56 13 00-0685	EA		Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,029.33	62.68
26 56 13 00-0686	EA		Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	595.32	60.27
26 56 13 00-0687	EA		Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	848.64	65.09
26 56 13 00-0688			Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	273.27	48.22
26 56 13 00-0690	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	336.44	60.27
26 56 13 00-0691	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	401.78	72.32
26 56 13 00-0692	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	271.10	48.22
26 56 13 00-0693	EA		Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	397.92	53.03
26 56 13 00-0694	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	332.10	60.27
26 56 13 00-0695	EA		Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	484.95	65.09
26 56 13 00-0696	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	403.95	72.32
26 56 13 00-0697	EA		Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	590.43	77.14
26 56 13 00-0698			Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699	EA		Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	1,591.10	
26 56 13 00-0700			High Mast Lighting (26 56 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0701 High Mast Lighting Assemblies (26 56 13 00-0700)
 Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Fitter For Pipe Tenon, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole, As Manufactured By Metrolux

26 56 13 00-0702	EA		60' High Mast Lighting Assembly.....	39,435.86	1,461.68
26 56 13 00-0703	EA		70' High Mast Lighting Assembly.....	41,657.24	1,530.90
26 56 13 00-0704	EA		80' High Mast Lighting Assembly.....	43,901.92	1,630.89
26 56 13 00-0705	EA		90' High Mast Lighting Assembly.....	46,168.59	1,761.64
26 56 13 00-0706	EA		100' High Mast Lighting Assembly.....	48,342.44	1,923.10
26 56 13 00-0707	EA		110' High Mast Lighting Assembly.....	51,378.97	2,115.56
26 56 13 00-0708	EA		120' High Mast Lighting Assembly.....	53,747.10	2,307.86
26 56 13 00-0709	EA		130' High Mast Lighting Assembly.....	55,931.81	2,500.15
26 56 13 00-0710	EA		140' High Mast Lighting Assembly.....	58,297.55	2,692.54
26 56 13 00-0711	EA		150' High Mast Lighting Assembly.....	61,178.51	2,884.84

26 56 13 00-0712 High Mast Light Poles As Manufactured By Metrolux (26 56 13 00-0700)

26 56 13 00-0713	EA		60' High Mast Light Poles.....	14,963.65	877.86
26 56 13 00-0714	EA		70' High Mast Light Poles.....	17,164.24	919.44
26 56 13 00-0715	EA		80' High Mast Light Poles.....	19,378.90	979.51
26 56 13 00-0716	EA		90' High Mast Light Poles.....	21,606.29	1,058.06
26 56 13 00-0717	EA		100' High Mast Light Poles.....	23,847.77	1,155.08
26 56 13 00-0718	EA		110' High Mast Light Poles.....	26,103.31	1,270.59
26 56 13 00-0719	EA		120' High Mast Light Poles.....	27,806.96	1,386.10
26 56 13 00-0720	EA		130' High Mast Light Poles.....	27,825.93	2,568.90
26 56 13 00-0721	EA		140' High Mast Light Poles.....	31,031.19	1,617.12
26 56 13 00-0722	EA		150' High Mast Light Poles.....	32,917.92	1,732.62

26 56 13 00-0723 High Mast Lighting Accessories (26 56 13 00-0700)
 Note: As Manufactured By Metrolux See CSI section 26 56 21 00-0001 for light fixtures.

26 56 13 00-0724	EA		Bottom Latching System For High Mast Lighting.....	694.03	
26 56 13 00-0725	EA		Top Latching System For High Mast Lighting.....	1,965.72	
26 56 13 00-0726	EA		Centering Springs For High Mast Lighting.....	1,488.76	
26 56 13 00-0727	EA		Electric Power Cord For High Mast Lighting.....	625.47	
26 56 13 00-0728	EA		Aircraft Warning Lights For High Mast Lighting.....	1,163.62	
26 56 13 00-0729	EA		Internal Motorized Hoist For High Mast Lighting.....	12,733.37	
26 56 13 00-0730	EA		Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	12,806.33	

26 56 13 00-0731 Concrete Bases (26 56 13 00-0001)

26 56 13 00-0732 Precast Concrete Light Pole Base, Square And Round (26 56 13 00-0731)

26 56 13 00-0733	LF		Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	123.79	
26 56 13 00-0734	LF		Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	133.55	
26 56 13 00-0735	LF		Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	165.97	
26 56 13 00-0736	LF		Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	170.78	
26 56 13 00-0737	LF		Round 24" Precast Concrete Light Pole Base.....	133.89	
26 56 13 00-0738	LF		Round 30" Precast Concrete Light Pole Base.....	149.34	
26 56 13 00-0739	LF		Round 36" Precast Concrete Light Pole Base.....	179.79	

26 56 18 Incandescent Exterior Lighting (26 56)

26 56 18 00-0001 Exterior Globe (26 56 18)

26 56 18 00-0002 Incandescent, Exterior Globe (26 56 18 00-0001)

26 56 18 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	46.86	15.07
26 56 18 00-0004	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	77.88	15.07
26 56 18 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	57.66	15.07
26 56 18 00-0006	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	82.04	15.07

26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)
 Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	188.06	60.25
26 56 18 00-0009	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	195.62	64.02
26 56 18 00-0010	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	216.49	67.78
26 56 18 00-0011	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	207.38	75.31
26 56 18 00-0012	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	232.69	86.61

26 56 19 LED Exterior Lighting (26 56)

26 56 19 00-0001 LED, Wall Packs (26 56 19)

26 56 19 00-0002 Full Cutoff, LED Wall Packs (26 56 19 00-0001)

26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0002)

26 56 19 00-0004	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	853.38	83.68
			For >50 To 100, Deduct	-42.67	
			For >100 To 250, Deduct	-64.00	
			For >250 To 500, Deduct	-102.49	
			For >500 To 1000, Deduct	-140.97	
			For >1000, Deduct	-179.46	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0005	EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	927.84	83.68
	<i>For >50 To 100, Deduct</i>	-46.39	
	<i>For >100 To 250, Deduct</i>	-69.59	
	<i>For >250 To 500, Deduct</i>	-111.80	
	<i>For >500 To 1000, Deduct</i>	-154.00	
	<i>For >1000, Deduct</i>	-196.21	
26 56 19 00-0006	Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0007	Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0006)</small>		
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA 20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	709.16	81.28
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	36.65	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-35.46	
	<i>For >100 To 250, Deduct</i>	-53.19	
	<i>For >250 To 500, Deduct</i>	-84.58	
	<i>For >500 To 1000, Deduct</i>	-115.97	
	<i>For >1000, Deduct</i>	-147.37	
26 56 19 00-0009	EA 40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	916.76	86.06
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	37.13	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-45.84	
	<i>For >100 To 250, Deduct</i>	-68.76	
	<i>For >250 To 500, Deduct</i>	-110.29	
	<i>For >500 To 1000, Deduct</i>	-151.83	
	<i>For >1000, Deduct</i>	-193.36	
26 56 19 00-0010	EA 60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,028.61	90.86
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	37.61	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-51.43	
	<i>For >100 To 250, Deduct</i>	-77.15	
	<i>For >250 To 500, Deduct</i>	-124.03	
	<i>For >500 To 1000, Deduct</i>	-170.92	
	<i>For >1000, Deduct</i>	-217.81	
26 56 19 00-0011	EA 80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,331.95	95.64
	Note: Includes 350mA or 525mA driver.		
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	38.08	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-66.60	
	<i>For >100 To 250, Deduct</i>	-99.90	
	<i>For >250 To 500, Deduct</i>	-161.71	
	<i>For >500 To 1000, Deduct</i>	-223.53	
	<i>For >1000, Deduct</i>	-285.34	
26 56 19 00-0012	EA 100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,539.56	100.42
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	38.56	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-76.98	
	<i>For >100 To 250, Deduct</i>	-115.47	
	<i>For >250 To 500, Deduct</i>	-187.42	
	<i>For >500 To 1000, Deduct</i>	-259.38	
	<i>For >1000, Deduct</i>	-331.34	
26 56 19 00-0013	EA 120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,747.16	105.20
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
	<i>For Bird Spikes, Add</i>	39.04	
	<i>For Fuse, Add</i>	45.26	
	<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
	<i>For 480 Volt, Add</i>	67.90	
	<i>For Multi-Level, Add</i>	98.07	
	<i>For >50 To 100, Deduct</i>	-87.36	
	<i>For >100 To 250, Deduct</i>	-131.04	
	<i>For >250 To 500, Deduct</i>	-213.14	
	<i>For >500 To 1000, Deduct</i>	-295.23	
	<i>For >1000, Deduct</i>	-377.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0014			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 19 00-0006)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	415.08	81.28
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Multi-Level, Add	45.26	
			For >50 To 100, Deduct	-20.75	
			For >100 To 250, Deduct	-31.13	
			For >250 To 500, Deduct	-47.82	
			For >500 To 1000, Deduct	-64.51	
			For >1000, Deduct	-81.20	
26 56 19 00-0016	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	483.55	86.06
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Multi-Level, Add	45.26	
			For >50 To 100, Deduct	-24.18	
			For >100 To 250, Deduct	-36.27	
			For >250 To 500, Deduct	-56.14	
			For >500 To 1000, Deduct	-76.01	
			For >1000, Deduct	-95.89	
26 56 19 00-0017			Open Face LED Wall Pack <small>(26 56 19 00-0001)</small> Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0018	EA		3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	512.30	82.51
			For >50 To 100, Deduct	-25.62	
			For >100 To 250, Deduct	-38.42	
			For >250 To 500, Deduct	-57.85	
			For >500 To 1000, Deduct	-77.28	
			For >1000, Deduct	-96.71	
26 56 19 00-0019	EA		5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	551.48	82.51
			For >50 To 100, Deduct	-27.57	
			For >100 To 250, Deduct	-41.36	
			For >250 To 500, Deduct	-62.75	
			For >500 To 1000, Deduct	-84.13	
			For >1000, Deduct	-105.52	
26 56 19 00-0020	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	572.00	82.51
			For >50 To 100, Deduct	-28.60	
			For >100 To 250, Deduct	-42.90	
			For >250 To 500, Deduct	-65.31	
			For >500 To 1000, Deduct	-87.73	
			For >1000, Deduct	-110.14	
26 56 19 00-0021	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	588.64	82.51
			For >50 To 100, Deduct	-29.43	
			For >100 To 250, Deduct	-44.15	
			For >250 To 500, Deduct	-67.39	
			For >500 To 1000, Deduct	-90.64	
			For >1000, Deduct	-113.88	
26 56 19 00-0022	EA		16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	713.45	82.51
			For >50 To 100, Deduct	-35.67	
			For >100 To 250, Deduct	-53.51	
			For >250 To 500, Deduct	-82.99	
			For >500 To 1000, Deduct	-112.48	
			For >1000, Deduct	-141.96	
26 56 19 00-0023			Wall Pack Accessories <small>(26 56 19 00-0001)</small>		
26 56 19 00-0024	EA		Photocell For Wall Pack	95.10	20.63
26 56 19 00-0025	EA		Wire Guard For Mini And Small Wall Pack	106.36	20.63
26 56 19 00-0026	EA		Wire Guard For Medium And Large Wall Pack	153.44	20.63
26 56 19 00-0027	EA		Clear Polycarbonate Vandal Guard For Wall Packs	221.37	20.63
26 56 19 00-0028	EA		Full Cutoff Visor For Wall Pack	103.29	20.63
26 56 19 00-0029			LED, Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0030			LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0031			Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0032	EA		49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,114.61	115.00
			For >50 To 100, Deduct	-55.73	
			For >100 To 250, Deduct	-83.60	
			For >250 To 500, Deduct	-133.58	
			For >500 To 1000, Deduct	-183.56	
			For >1000, Deduct	-233.54	
26 56 19 00-0033	EA		98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,745.57	118.10
			For >50 To 100, Deduct	-87.28	
			For >100 To 250, Deduct	-130.92	
			For >250 To 500, Deduct	-212.29	
			For >500 To 1000, Deduct	-293.66	
			For >1000, Deduct	-375.04	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0034	Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0030)</small> Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0035	EA 48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	808.83	115.00
	For >50 To 100, Deduct	-40.44	
	For >100 To 250, Deduct	-60.66	
	For >250 To 500, Deduct	-95.35	
	For >500 To 1000, Deduct	-130.05	
	For >1000, Deduct	-164.74	
26 56 19 00-0036	EA 48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	808.83	115.00
	For >50 To 100, Deduct	-40.44	
	For >100 To 250, Deduct	-60.66	
	For >250 To 500, Deduct	-95.35	
	For >500 To 1000, Deduct	-130.05	
	For >1000, Deduct	-164.74	
26 56 19 00-0037	EA 48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	808.83	115.00
	For >50 To 100, Deduct	-40.44	
	For >100 To 250, Deduct	-60.66	
	For >250 To 500, Deduct	-95.35	
	For >500 To 1000, Deduct	-130.05	
	For >1000, Deduct	-164.74	
26 56 19 00-0038	LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0039	Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0038)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA 30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,624.71	108.78
	For >50 To 100, Deduct	-81.24	
	For >100 To 250, Deduct	-121.85	
	For >250 To 500, Deduct	-197.65	
	For >500 To 1000, Deduct	-273.45	
	For >1000, Deduct	-349.24	
26 56 19 00-0041	EA 60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,692.43	111.89
	For >50 To 100, Deduct	-134.62	
	For >100 To 250, Deduct	-201.93	
	For >250 To 500, Deduct	-330.96	
	For >500 To 1000, Deduct	-459.99	
	For >1000, Deduct	-589.01	
26 56 19 00-0042	LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0043	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0044	EA 20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	648.87	105.68
	For >50 To 100, Deduct	-32.44	
	For >100 To 250, Deduct	-48.67	
	For >250 To 500, Deduct	-75.83	
	For >500 To 1000, Deduct	-102.99	
	For >1000, Deduct	-130.15	
26 56 19 00-0045	EA 30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	729.30	108.78
	For >50 To 100, Deduct	-36.47	
	For >100 To 250, Deduct	-54.70	
	For >250 To 500, Deduct	-85.72	
	For >500 To 1000, Deduct	-116.75	
	For >1000, Deduct	-147.77	
26 56 19 00-0046	EA 40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	826.34	111.89
	For >50 To 100, Deduct	-41.32	
	For >100 To 250, Deduct	-61.98	
	For >250 To 500, Deduct	-97.70	
	For >500 To 1000, Deduct	-133.42	
	For >1000, Deduct	-169.14	
26 56 19 00-0047	EA 50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	908.03	115.00
	For >50 To 100, Deduct	-45.40	
	For >100 To 250, Deduct	-68.10	
	For >250 To 500, Deduct	-107.75	
	For >500 To 1000, Deduct	-147.41	
	For >1000, Deduct	-187.06	
26 56 19 00-0048	EA 60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	989.73	118.10
	For >50 To 100, Deduct	-49.49	
	For >100 To 250, Deduct	-74.23	
	For >250 To 500, Deduct	-117.81	
	For >500 To 1000, Deduct	-161.39	
	For >1000, Deduct	-204.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0049	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,184.01	121.21
			<i>For >50 To 100, Deduct</i>	-59.20	
			<i>For >100 To 250, Deduct</i>	-88.80	
			<i>For >250 To 500, Deduct</i>	-141.94	
			<i>For >500 To 1000, Deduct</i>	-195.08	
			<i>For >1000, Deduct</i>	-248.22	
26 56 19 00-0050	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,265.70	124.32
			<i>For >50 To 100, Deduct</i>	-63.29	
			<i>For >100 To 250, Deduct</i>	-94.93	
			<i>For >250 To 500, Deduct</i>	-152.00	
			<i>For >500 To 1000, Deduct</i>	-209.07	
			<i>For >1000, Deduct</i>	-266.13	
26 56 19 00-0051	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,346.12	127.43
			<i>For >50 To 100, Deduct</i>	-67.31	
			<i>For >100 To 250, Deduct</i>	-100.96	
			<i>For >250 To 500, Deduct</i>	-161.89	
			<i>For >500 To 1000, Deduct</i>	-222.83	
			<i>For >1000, Deduct</i>	-283.76	
26 56 19 00-0052	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,503.30	130.54
			<i>For >50 To 100, Deduct</i>	-75.17	
			<i>For >100 To 250, Deduct</i>	-112.75	
			<i>For >250 To 500, Deduct</i>	-181.39	
			<i>For >500 To 1000, Deduct</i>	-250.02	
			<i>For >1000, Deduct</i>	-318.66	
26 56 19 00-0053	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,584.99	133.65
			<i>For >50 To 100, Deduct</i>	-79.25	
			<i>For >100 To 250, Deduct</i>	-118.87	
			<i>For >250 To 500, Deduct</i>	-191.44	
			<i>For >500 To 1000, Deduct</i>	-264.01	
			<i>For >1000, Deduct</i>	-336.58	
26 56 19 00-0054	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,666.69	136.75
			<i>For >50 To 100, Deduct</i>	-83.33	
			<i>For >100 To 250, Deduct</i>	-125.00	
			<i>For >250 To 500, Deduct</i>	-201.50	
			<i>For >500 To 1000, Deduct</i>	-278.00	
			<i>For >1000, Deduct</i>	-354.49	
26 56 19 00-0055			Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0042)</small>		
			Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5.700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0056	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,293.29	111.89
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-64.66	
			<i>For >100 To 250, Deduct</i>	-97.00	
			<i>For >250 To 500, Deduct</i>	-156.07	
			<i>For >500 To 1000, Deduct</i>	-215.14	
			<i>For >1000, Deduct</i>	-274.21	
26 56 19 00-0057	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,493.78	118.10
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-74.69	
			<i>For >100 To 250, Deduct</i>	-112.03	
			<i>For >250 To 500, Deduct</i>	-180.82	
			<i>For >500 To 1000, Deduct</i>	-249.60	
			<i>For >1000, Deduct</i>	-318.38	
26 56 19 00-0058	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,694.27	124.32
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-84.71	
			<i>For >100 To 250, Deduct</i>	-127.07	
			<i>For >250 To 500, Deduct</i>	-205.57	
			<i>For >500 To 1000, Deduct</i>	-284.07	
			<i>For >1000, Deduct</i>	-362.56	
26 56 19 00-0059	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,894.77	130.54
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-94.74	
			<i>For >100 To 250, Deduct</i>	-142.11	
			<i>For >250 To 500, Deduct</i>	-230.32	
			<i>For >500 To 1000, Deduct</i>	-318.53	
			<i>For >1000, Deduct</i>	-406.74	
26 56 19 00-0060	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,494.41	136.75
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-124.72	
			<i>For >100 To 250, Deduct</i>	-187.08	
			<i>For >250 To 500, Deduct</i>	-304.96	
			<i>For >500 To 1000, Deduct</i>	-422.85	
			<i>For >1000, Deduct</i>	-540.73	
26 56 19 00-0061	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,694.90	142.97
			<i>For Multi-Level Drive Currents, Add</i>	179.10	
			<i>For >50 To 100, Deduct</i>	-134.75	
			<i>For >100 To 250, Deduct</i>	-202.12	
			<i>For >250 To 500, Deduct</i>	-329.71	
			<i>For >500 To 1000, Deduct</i>	-457.31	
			<i>For >1000, Deduct</i>	-584.91	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 19 00-0062	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,895.39		149.19
		<i>For Multi-Level Drive Currents, Add</i>	179.10		
		<i>For >50 To 100, Deduct</i>	-144.77		
		<i>For >100 To 250, Deduct</i>	-217.15		
		<i>For >250 To 500, Deduct</i>	-354.46		
		<i>For >500 To 1000, Deduct</i>	-491.77		
		<i>For >1000, Deduct</i>	-629.09		
26 56 19 00-0063		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE®			
		BetaLED® XSP) <small>(26 56 19 00-0042)</small>			
		Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0064	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	539.06		111.89
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08		
		<i>For Backlight Control Shield, Add</i>	25.45		
		<i>For Field Adjustable Output, Add</i>	22.64		
		<i>For Bird Spikes, Add</i>	39.71		
		<i>For Field Adjustable Output And Utility Label, Add</i>	30.18		
		<i>For Fuse, Add</i>	45.26		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26		
		<i>For 480 Volt, Add</i>	67.90		
		<i>For Multi-Level, Add</i>	98.07		
		<i>For >50 To 100, Deduct</i>	-26.95		
		<i>For >100 To 250, Deduct</i>	-40.43		
		<i>For >250 To 500, Deduct</i>	-61.79		
		<i>For >500 To 1000, Deduct</i>	-83.15		
		<i>For >1000, Deduct</i>	-104.51		
26 56 19 00-0065	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	539.06		111.89
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08		
		<i>For Backlight Control Shield, Add</i>	25.45		
		<i>For Field Adjustable Output, Add</i>	22.64		
		<i>For Bird Spikes, Add</i>	39.71		
		<i>For Field Adjustable Output And Utility Label, Add</i>	30.18		
		<i>For Fuse, Add</i>	45.26		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26		
		<i>For 480 Volt, Add</i>	67.90		
		<i>For Multi-Level, Add</i>	98.07		
		<i>For >50 To 100, Deduct</i>	-26.95		
		<i>For >100 To 250, Deduct</i>	-40.43		
		<i>For >250 To 500, Deduct</i>	-61.79		
		<i>For >500 To 1000, Deduct</i>	-83.15		
		<i>For >1000, Deduct</i>	-104.51		
26 56 19 00-0066	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	596.09		111.89
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08		
		<i>For Backlight Control Shield, Add</i>	25.45		
		<i>For Field Adjustable Output, Add</i>	22.64		
		<i>For Bird Spikes, Add</i>	39.71		
		<i>For Field Adjustable Output And Utility Label, Add</i>	30.18		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26		
		<i>For 480 Volt, Add</i>	67.90		
		<i>For >50 To 100, Deduct</i>	-29.80		
		<i>For >100 To 250, Deduct</i>	-44.71		
		<i>For >250 To 500, Deduct</i>	-68.92		
		<i>For >500 To 1000, Deduct</i>	-93.13		
		<i>For >1000, Deduct</i>	-117.34		
26 56 19 00-0067	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	596.09		111.89
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08		
		<i>For Backlight Control Shield, Add</i>	25.45		
		<i>For Field Adjustable Output, Add</i>	22.64		
		<i>For Bird Spikes, Add</i>	39.71		
		<i>For Field Adjustable Output And Utility Label, Add</i>	30.18		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26		
		<i>For 480 Volt, Add</i>	67.90		
		<i>For >50 To 100, Deduct</i>	-29.80		
		<i>For >100 To 250, Deduct</i>	-44.71		
		<i>For >250 To 500, Deduct</i>	-68.92		
		<i>For >500 To 1000, Deduct</i>	-93.13		
		<i>For >1000, Deduct</i>	-117.34		
26 56 19 00-0068	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	697.47		111.89
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08		
		<i>For Field Adjustable Output, Add</i>	22.64		
		<i>For Backlight Control Shield, Add</i>	36.53		
		<i>For Field Adjustable Output And Utility Label, Add</i>	30.18		
		<i>For Fuse, Add</i>	45.26		
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26		
		<i>For Bird Spikes, Add</i>	65.06		
		<i>For 480 Volt, Add</i>	67.90		
		<i>For Multi-Level, Add</i>	98.07		
		<i>For >50 To 100, Deduct</i>	-34.87		
		<i>For >100 To 250, Deduct</i>	-52.31		
		<i>For >250 To 500, Deduct</i>	-81.59		
		<i>For >500 To 1000, Deduct</i>	-110.87		
		<i>For >1000, Deduct</i>	-140.15		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0069	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	697.47	111.89
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	36.53	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Fuse, Add</i>	45.26	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	65.06	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For Multi-Level, Add</i>	98.07	
			<i>For >50 To 100, Deduct</i>	-34.87	
			<i>For >100 To 250, Deduct</i>	-52.31	
			<i>For >250 To 500, Deduct</i>	-81.59	
			<i>For >500 To 1000, Deduct</i>	-110.87	
			<i>For >1000, Deduct</i>	-140.15	
26 56 19 00-0070	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	792.54	111.89
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	36.53	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	65.06	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For >50 To 100, Deduct</i>	-39.63	
			<i>For >100 To 250, Deduct</i>	-59.44	
			<i>For >250 To 500, Deduct</i>	-93.47	
			<i>For >500 To 1000, Deduct</i>	-127.51	
			<i>For >1000, Deduct</i>	-161.54	
26 56 19 00-0071	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	792.54	111.89
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Field Adjustable Output, Add</i>	22.64	
			<i>For Backlight Control Shield, Add</i>	36.53	
			<i>For Field Adjustable Output And Utility Label, Add</i>	30.18	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	45.26	
			<i>For Bird Spikes, Add</i>	65.06	
			<i>For 480 Volt, Add</i>	67.90	
			<i>For >50 To 100, Deduct</i>	-39.63	
			<i>For >100 To 250, Deduct</i>	-59.44	
			<i>For >250 To 500, Deduct</i>	-93.47	
			<i>For >500 To 1000, Deduct</i>	-127.51	
			<i>For >1000, Deduct</i>	-161.54	
26 56 19 00-0072	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	437.66	111.89
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For >50 To 100, Deduct</i>	-21.88	
			<i>For >100 To 250, Deduct</i>	-32.82	
			<i>For >250 To 500, Deduct</i>	-49.11	
			<i>For >500 To 1000, Deduct</i>	-65.40	
			<i>For >1000, Deduct</i>	-81.69	
26 56 19 00-0073	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	437.66	111.89
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For >50 To 100, Deduct</i>	-21.88	
			<i>For >100 To 250, Deduct</i>	-32.82	
			<i>For >250 To 500, Deduct</i>	-49.11	
			<i>For >500 To 1000, Deduct</i>	-65.40	
			<i>For >1000, Deduct</i>	-81.69	
26 56 19 00-0074	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	461.43	111.89
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For >50 To 100, Deduct</i>	-23.07	
			<i>For >100 To 250, Deduct</i>	-34.61	
			<i>For >250 To 500, Deduct</i>	-52.08	
			<i>For >500 To 1000, Deduct</i>	-69.56	
			<i>For >1000, Deduct</i>	-87.04	
26 56 19 00-0075	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	461.43	111.89
			<i>For Utility Label, Add</i>	7.54	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	15.08	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For >50 To 100, Deduct</i>	-23.07	
			<i>For >100 To 250, Deduct</i>	-34.61	
			<i>For >250 To 500, Deduct</i>	-52.08	
			<i>For >500 To 1000, Deduct</i>	-69.56	
			<i>For >1000, Deduct</i>	-87.04	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0076	EA 4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	469.35	111.89
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Field Adjustable Output, Add	22.64	
	For Field Adjustable Output And Utility Label, Add	30.18	
	For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For >50 To 100, Deduct	-23.47	
	For >100 To 250, Deduct	-35.20	
	For >250 To 500, Deduct	-53.07	
	For >500 To 1000, Deduct	-70.95	
	For >1000, Deduct	-88.82	
26 56 19 00-0077	EA 4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	469.35	111.89
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Field Adjustable Output, Add	22.64	
	For Field Adjustable Output And Utility Label, Add	30.18	
	For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For >50 To 100, Deduct	-23.47	
	For >100 To 250, Deduct	-35.20	
	For >250 To 500, Deduct	-53.07	
	For >500 To 1000, Deduct	-70.95	
	For >1000, Deduct	-88.82	
26 56 19 00-0078	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0042)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0079	EA 3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	453.51	111.89
	For Field Adjustable Output, Add	22.64	
	For Backlight Control Shield, Add	48.91	
	For Bird Spikes, Add	65.51	
	For >50 To 100, Deduct	-22.68	
	For >100 To 250, Deduct	-34.01	
	For >250 To 500, Deduct	-51.09	
	For >500 To 1000, Deduct	-68.18	
	For >1000, Deduct	-85.26	
26 56 19 00-0080	EA 3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	453.51	111.89
	For Field Adjustable Output, Add	22.64	
	For Backlight Control Shield, Add	48.91	
	For Bird Spikes, Add	65.51	
	For >50 To 100, Deduct	-22.68	
	For >100 To 250, Deduct	-34.01	
	For >250 To 500, Deduct	-51.09	
	For >500 To 1000, Deduct	-68.18	
	For >1000, Deduct	-85.26	
26 56 19 00-0081	EA 5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	469.35	111.89
	For Field Adjustable Output, Add	22.64	
	For Backlight Control Shield, Add	48.91	
	For Bird Spikes, Add	65.51	
	For >50 To 100, Deduct	-23.47	
	For >100 To 250, Deduct	-35.20	
	For >250 To 500, Deduct	-53.07	
	For >500 To 1000, Deduct	-70.95	
	For >1000, Deduct	-88.82	
26 56 19 00-0082	EA 5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	469.35	111.89
	For Field Adjustable Output, Add	22.64	
	For Backlight Control Shield, Add	48.91	
	For Bird Spikes, Add	65.51	
	For >50 To 100, Deduct	-23.47	
	For >100 To 250, Deduct	-35.20	
	For >250 To 500, Deduct	-53.07	
	For >500 To 1000, Deduct	-70.95	
	For >1000, Deduct	-88.82	
26 56 19 00-0083	LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0084	Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0083)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0085	EA 1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	707.67	111.89
	For >50 To 100, Deduct	-35.38	
	For >100 To 250, Deduct	-53.08	
	For >250 To 500, Deduct	-82.86	
	For >500 To 1000, Deduct	-112.65	
	For >1000, Deduct	-142.44	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0086	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	961.64	124.32
			<i>For >50 To 100, Deduct</i>	-48.08	
			<i>For >100 To 250, Deduct</i>	-72.12	
			<i>For >250 To 500, Deduct</i>	-113.99	
			<i>For >500 To 1000, Deduct</i>	-155.86	
			<i>For >1000, Deduct</i>	-197.72	
26 56 19 00-0087	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,030.63	142.97
			<i>For >50 To 100, Deduct</i>	-51.53	
			<i>For >100 To 250, Deduct</i>	-77.30	
			<i>For >250 To 500, Deduct</i>	-121.68	
			<i>For >500 To 1000, Deduct</i>	-166.06	
			<i>For >1000, Deduct</i>	-210.45	
26 56 19 00-0088	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,538.65	155.40
			<i>For >50 To 100, Deduct</i>	-76.93	
			<i>For >100 To 250, Deduct</i>	-115.40	
			<i>For >250 To 500, Deduct</i>	-184.56	
			<i>For >500 To 1000, Deduct</i>	-253.72	
			<i>For >1000, Deduct</i>	-322.89	
26 56 19 00-0089	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,020.44	176.92
			<i>For >50 To 100, Deduct</i>	-101.02	
			<i>For >100 To 250, Deduct</i>	-151.53	
			<i>For >250 To 500, Deduct</i>	-243.71	
			<i>For >500 To 1000, Deduct</i>	-335.89	
			<i>For >1000, Deduct</i>	-428.06	
26 56 19 00-0090			LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0091			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0092	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	853.45	108.78
			<i>For >50 To 100, Deduct</i>	-42.67	
			<i>For >100 To 250, Deduct</i>	-64.01	
			<i>For >250 To 500, Deduct</i>	-101.24	
			<i>For >500 To 1000, Deduct</i>	-138.48	
			<i>For >1000, Deduct</i>	-175.71	
26 56 19 00-0093	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	929.09	109.98
			<i>For >50 To 100, Deduct</i>	-46.45	
			<i>For >100 To 250, Deduct</i>	-69.68	
			<i>For >250 To 500, Deduct</i>	-110.64	
			<i>For >500 To 1000, Deduct</i>	-151.59	
			<i>For >1000, Deduct</i>	-192.55	
26 56 19 00-0094	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	988.60	111.89
			<i>For >50 To 100, Deduct</i>	-49.43	
			<i>For >100 To 250, Deduct</i>	-74.15	
			<i>For >250 To 500, Deduct</i>	-117.98	
			<i>For >500 To 1000, Deduct</i>	-161.82	
			<i>For >1000, Deduct</i>	-205.65	
26 56 19 00-0095			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0096	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	559.56	106.15
			<i>For >50 To 100, Deduct</i>	-27.98	
			<i>For >100 To 250, Deduct</i>	-41.97	
			<i>For >250 To 500, Deduct</i>	-64.64	
			<i>For >500 To 1000, Deduct</i>	-87.31	
			<i>For >1000, Deduct</i>	-109.98	
26 56 19 00-0097	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	599.99	108.06
			<i>For >50 To 100, Deduct</i>	-30.00	
			<i>For >100 To 250, Deduct</i>	-45.00	
			<i>For >250 To 500, Deduct</i>	-69.60	
			<i>For >500 To 1000, Deduct</i>	-94.19	
			<i>For >1000, Deduct</i>	-118.79	
26 56 19 00-0098	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	663.90	109.98
			<i>For >50 To 100, Deduct</i>	-33.20	
			<i>For >100 To 250, Deduct</i>	-49.79	
			<i>For >250 To 500, Deduct</i>	-77.49	
			<i>For >500 To 1000, Deduct</i>	-105.19	
			<i>For >1000, Deduct</i>	-132.88	
26 56 19 00-0099			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0090)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0100	EA		13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	706.39	109.98
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For 480 Volt, Add</i>	62.75	
			<i>For >50 To 100, Deduct</i>	-35.32	
			<i>For >100 To 250, Deduct</i>	-52.98	
			<i>For >250 To 500, Deduct</i>	-82.80	
			<i>For >500 To 1000, Deduct</i>	-112.62	
			<i>For >1000, Deduct</i>	-142.44	
26 56 19 00-0101	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	784.50	110.94
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For 480 Volt, Add</i>	18.53	
			<i>For >50 To 100, Deduct</i>	-39.23	
			<i>For >100 To 250, Deduct</i>	-58.84	
			<i>For >250 To 500, Deduct</i>	-92.52	
			<i>For >500 To 1000, Deduct</i>	-126.19	
			<i>For >1000, Deduct</i>	-159.87	
26 56 19 00-0102	EA		19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	845.01	111.89
			<i>For 0 To 10 Volt Dimming, Add</i>	62.75	
			<i>For 480 Volt, Add</i>	-6.66	
			<i>For >50 To 100, Deduct</i>	-42.25	
			<i>For >100 To 250, Deduct</i>	-63.38	
			<i>For >250 To 500, Deduct</i>	-100.03	
			<i>For >500 To 1000, Deduct</i>	-136.69	
			<i>For >1000, Deduct</i>	-173.34	
26 56 19 00-0103			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0104			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0103)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0105	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	425.37	105.68
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-21.27	
			<i>For >100 To 250, Deduct</i>	-31.90	
			<i>For >250 To 500, Deduct</i>	-47.89	
			<i>For >500 To 1000, Deduct</i>	-63.87	
			<i>For >1000, Deduct</i>	-79.86	
26 56 19 00-0106	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	428.25	107.11
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-21.41	
			<i>For >100 To 250, Deduct</i>	-32.12	
			<i>For >250 To 500, Deduct</i>	-48.18	
			<i>For >500 To 1000, Deduct</i>	-64.23	
			<i>For >1000, Deduct</i>	-80.29	
26 56 19 00-0107	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	446.41	108.78
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-22.32	
			<i>For >100 To 250, Deduct</i>	-33.48	
			<i>For >250 To 500, Deduct</i>	-50.36	
			<i>For >500 To 1000, Deduct</i>	-67.24	
			<i>For >1000, Deduct</i>	-84.12	
26 56 19 00-0108	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	464.94	109.98
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-23.25	
			<i>For >100 To 250, Deduct</i>	-34.87	
			<i>For >250 To 500, Deduct</i>	-52.62	
			<i>For >500 To 1000, Deduct</i>	-70.37	
			<i>For >1000, Deduct</i>	-88.12	
26 56 19 00-0109	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	514.14	112.37
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-25.71	
			<i>For >100 To 250, Deduct</i>	-38.56	
			<i>For >250 To 500, Deduct</i>	-58.65	
			<i>For >500 To 1000, Deduct</i>	-78.74	
			<i>For >1000, Deduct</i>	-98.83	
26 56 19 00-0110	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	540.29	113.32
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-27.01	
			<i>For >100 To 250, Deduct</i>	-40.52	
			<i>For >250 To 500, Deduct</i>	-61.87	
			<i>For >500 To 1000, Deduct</i>	-83.22	
			<i>For >1000, Deduct</i>	-104.57	
26 56 19 00-0111	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	589.40	115.00
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-29.47	
			<i>For >100 To 250, Deduct</i>	-44.21	
			<i>For >250 To 500, Deduct</i>	-67.93	
			<i>For >500 To 1000, Deduct</i>	-91.65	
			<i>For >1000, Deduct</i>	-115.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0112	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	693.88	118.10
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-34.69	
			<i>For >100 To 250, Deduct</i>	-52.04	
			<i>For >250 To 500, Deduct</i>	-80.83	
			<i>For >500 To 1000, Deduct</i>	-109.62	
			<i>For >1000, Deduct</i>	-138.41	
26 56 19 00-0113	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	814.00	124.32
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >50 To 100, Deduct</i>	-40.70	
			<i>For >100 To 250, Deduct</i>	-61.05	
			<i>For >250 To 500, Deduct</i>	-95.53	
			<i>For >500 To 1000, Deduct</i>	-130.02	
			<i>For >1000, Deduct</i>	-164.50	
26 56 19 00-0114			LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0115			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0114)</small>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0116	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	826.50	108.78
			<i>For >50 To 100, Deduct</i>	-41.33	
			<i>For >100 To 250, Deduct</i>	-61.99	
			<i>For >250 To 500, Deduct</i>	-97.87	
			<i>For >500 To 1000, Deduct</i>	-133.76	
			<i>For >1000, Deduct</i>	-169.64	
26 56 19 00-0117	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,027.99	111.89
			<i>For >50 To 100, Deduct</i>	-51.40	
			<i>For >100 To 250, Deduct</i>	-77.10	
			<i>For >250 To 500, Deduct</i>	-122.90	
			<i>For >500 To 1000, Deduct</i>	-168.71	
			<i>For >1000, Deduct</i>	-214.51	
26 56 19 00-0118	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,436.40	115.00
			<i>For >50 To 100, Deduct</i>	-71.82	
			<i>For >100 To 250, Deduct</i>	-107.73	
			<i>For >250 To 500, Deduct</i>	-173.80	
			<i>For >500 To 1000, Deduct</i>	-239.87	
			<i>For >1000, Deduct</i>	-305.94	
26 56 19 00-0119	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	1,847.58	119.54
			<i>For >50 To 100, Deduct</i>	-92.38	
			<i>For >100 To 250, Deduct</i>	-138.57	
			<i>For >250 To 500, Deduct</i>	-224.97	
			<i>For >500 To 1000, Deduct</i>	-311.37	
			<i>For >1000, Deduct</i>	-397.77	
26 56 19 00-0120	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	2,249.52	122.88
			<i>For >50 To 100, Deduct</i>	-112.48	
			<i>For >100 To 250, Deduct</i>	-168.71	
			<i>For >250 To 500, Deduct</i>	-275.05	
			<i>For >500 To 1000, Deduct</i>	-381.38	
			<i>For >1000, Deduct</i>	-487.71	
26 56 19 00-0121			LED Roadway Lighting (Leotek) <small>(26 56 19 00-0029)</small>		
26 56 19 00-0122			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0121)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0123	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	435.23	108.78
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	6.73	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	20.19	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	36.13	
			<i>For >50 To 100, Deduct</i>	-21.76	
			<i>For >100 To 250, Deduct</i>	-32.64	
			<i>For >250 To 500, Deduct</i>	-48.96	
			<i>For >500 To 1000, Deduct</i>	-65.29	
			<i>For >1000, Deduct</i>	-81.61	
26 56 19 00-0124	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	444.68	109.98
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	6.73	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	20.19	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	36.13	
			<i>For >50 To 100, Deduct</i>	-22.23	
			<i>For >100 To 250, Deduct</i>	-33.35	
			<i>For >250 To 500, Deduct</i>	-50.09	
			<i>For >500 To 1000, Deduct</i>	-66.82	
			<i>For >1000, Deduct</i>	-83.56	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0125	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	474.39	110.70
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-23.72	
		For >100 To 250, Deduct	-35.58	
		For >250 To 500, Deduct	-53.76	
		For >500 To 1000, Deduct	-71.95	
		For >1000, Deduct	-90.13	
26 56 19 00-0126	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	550.83	115.00
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-27.54	
		For >100 To 250, Deduct	-41.31	
		For >250 To 500, Deduct	-63.10	
		For >500 To 1000, Deduct	-84.90	
		For >1000, Deduct	-106.69	
26 56 19 00-0127	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	644.68	118.10
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-32.23	
		For >100 To 250, Deduct	-48.35	
		For >250 To 500, Deduct	-74.68	
		For >500 To 1000, Deduct	-101.01	
		For >1000, Deduct	-127.34	
26 56 19 00-0128	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	648.51	120.02
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-32.43	
		For >100 To 250, Deduct	-48.64	
		For >250 To 500, Deduct	-75.06	
		For >500 To 1000, Deduct	-101.49	
		For >1000, Deduct	-127.91	
26 56 19 00-0129	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	795.09	121.93
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-39.75	
		For >100 To 250, Deduct	-59.63	
		For >250 To 500, Deduct	-93.29	
		For >500 To 1000, Deduct	-126.95	
		For >1000, Deduct	-160.61	
26 56 19 00-0130	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	833.79	124.32
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-41.69	
		For >100 To 250, Deduct	-62.53	
		For >250 To 500, Deduct	-98.01	
		For >500 To 1000, Deduct	-133.48	
		For >1000, Deduct	-168.95	
26 56 19 00-0131	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	930.90	126.23
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-46.55	
		For >100 To 250, Deduct	-69.82	
		For >250 To 500, Deduct	-110.05	
		For >500 To 1000, Deduct	-150.28	
		For >1000, Deduct	-190.52	
26 56 19 00-0132	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	998.33	128.15
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	6.73	
		For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
		For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
		For >50 To 100, Deduct	-49.92	
		For >100 To 250, Deduct	-74.87	
		For >250 To 500, Deduct	-118.38	
		For >500 To 1000, Deduct	-161.89	
		For >1000, Deduct	-205.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0133	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	504.04	109.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-25.20	
			For >100 To 250, Deduct	-37.80	
			For >250 To 500, Deduct	-57.51	
			For >500 To 1000, Deduct	-77.21	
			For >1000, Deduct	-96.91	
26 56 19 00-0134	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	553.60	112.84
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-27.68	
			For >100 To 250, Deduct	-41.52	
			For >250 To 500, Deduct	-63.56	
			For >500 To 1000, Deduct	-85.60	
			For >1000, Deduct	-107.63	
26 56 19 00-0135	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	597.48	115.00
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-29.87	
			For >100 To 250, Deduct	-44.81	
			For >250 To 500, Deduct	-68.94	
			For >500 To 1000, Deduct	-93.06	
			For >1000, Deduct	-117.18	
26 56 19 00-0136	EA		Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	635.25	117.63
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-31.76	
			For >100 To 250, Deduct	-47.64	
			For >250 To 500, Deduct	-73.52	
			For >500 To 1000, Deduct	-99.41	
			For >1000, Deduct	-125.29	
26 56 19 00-0137	EA		Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	673.91	118.58
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-33.70	
			For >100 To 250, Deduct	-50.54	
			For >250 To 500, Deduct	-78.31	
			For >500 To 1000, Deduct	-106.08	
			For >1000, Deduct	-133.84	
26 56 19 00-0138	EA		Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	802.66	122.88
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-40.13	
			For >100 To 250, Deduct	-60.20	
			For >250 To 500, Deduct	-94.19	
			For >500 To 1000, Deduct	-128.18	
			For >1000, Deduct	-162.17	
26 56 19 00-0139	EA		Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	907.79	125.28
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-45.39	
			For >100 To 250, Deduct	-68.08	
			For >250 To 500, Deduct	-107.21	
			For >500 To 1000, Deduct	-146.34	
			For >1000, Deduct	-185.46	
26 56 19 00-0140	EA		Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	965.28	125.76
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-48.26	
			For >100 To 250, Deduct	-72.40	
			For >250 To 500, Deduct	-114.37	
			For >500 To 1000, Deduct	-156.35	
			For >1000, Deduct	-198.32	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0141	EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,020.46	127.19
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-51.02	
	For >100 To 250, Deduct	-76.53	
	For >250 To 500, Deduct	-121.20	
	For >500 To 1000, Deduct	-165.86	
	For >1000, Deduct	-210.52	
26 56 19 00-0142	EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	541.10	120.02
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-27.06	
	For >100 To 250, Deduct	-40.58	
	For >250 To 500, Deduct	-61.64	
	For >500 To 1000, Deduct	-82.69	
	For >1000, Deduct	-103.74	
26 56 19 00-0143	EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	585.89	121.21
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-29.29	
	For >100 To 250, Deduct	-43.94	
	For >250 To 500, Deduct	-67.18	
	For >500 To 1000, Deduct	-90.41	
	For >1000, Deduct	-113.64	
26 56 19 00-0144	EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	415.93	109.74
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-20.80	
	For >100 To 250, Deduct	-31.19	
	For >250 To 500, Deduct	-46.50	
	For >500 To 1000, Deduct	-61.81	
	For >1000, Deduct	-77.12	
26 56 19 00-0145	EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	423.51	110.70
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-21.18	
	For >100 To 250, Deduct	-31.76	
	For >250 To 500, Deduct	-47.40	
	For >500 To 1000, Deduct	-63.04	
	For >1000, Deduct	-78.69	
26 56 19 00-0146	EA Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	460.32	112.84
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-23.02	
	For >100 To 250, Deduct	-34.52	
	For >250 To 500, Deduct	-51.90	
	For >500 To 1000, Deduct	-69.27	
	For >1000, Deduct	-86.65	
26 56 19 00-0147	EA Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	708.87	121.93
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-35.44	
	For >100 To 250, Deduct	-53.17	
	For >250 To 500, Deduct	-82.51	
	For >500 To 1000, Deduct	-111.86	
	For >1000, Deduct	-141.21	
26 56 19 00-0148	EA Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	925.70	125.76
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	6.73	
	For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
	For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
	For >50 To 100, Deduct	-46.29	
	For >100 To 250, Deduct	-69.43	
	For >250 To 500, Deduct	-109.42	
	For >500 To 1000, Deduct	-149.42	
	For >1000, Deduct	-189.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0149	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	824.90	126.23
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-41.25	
			For >100 To 250, Deduct	-61.87	
			For >250 To 500, Deduct	-96.80	
			For >500 To 1000, Deduct	-131.73	
			For >1000, Deduct	-166.67	
26 56 19 00-0150	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	399.45	109.98
			For Twist Lock Shorting Cap, Add	6.73	
			For ANSI 7-wire Photocontrol Receptacle, Add	20.19	
			For Ripley Long-Life Twist Lock Photocontrol, Add	36.13	
			For >50 To 100, Deduct	-19.97	
			For >100 To 250, Deduct	-29.96	
			For >250 To 500, Deduct	-44.43	
			For >500 To 1000, Deduct	-58.91	
			For >1000, Deduct	-73.38	

26 56 19 00-0151 LED, Area Lighting (26 56 19)

26 56 19 00-0152	EA		"The Edge" LED Area Lighting (Beta BLD ARE).....	1,961.07	103.12
			For >50 To 100, Deduct	-98.05	
			For >100 To 250, Deduct	-147.08	
			For >250 To 500, Deduct	-239.98	
			For >500 To 1000, Deduct	-332.87	
			For >1000, Deduct	-425.77	
26 56 19 00-0153	EA		"Franklin Square" LED Area Lighting (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB).....	4,385.34	103.12
			For >3 To 5, Deduct	-53.48	
			For >5 To 10, Deduct	-135.99	
			For >10, Deduct	-308.64	
			For >50 To 100, Deduct	-219.27	
			For >100 To 250, Deduct	-328.90	
			For >250 To 500, Deduct	-543.01	
			For >500 To 1000, Deduct	-757.12	
			For >1000, Deduct	-971.23	
26 56 19 00-0154	EA		12" "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB).....	2,004.72	103.12
			For >3 To 5, Deduct	-231.95	
			For >5 To 10, Deduct	-429.35	
			For >10, Deduct	-573.00	
			For >50 To 100, Deduct	-100.24	
			For >100 To 250, Deduct	-150.35	
			For >250 To 500, Deduct	-245.43	
			For >500 To 1000, Deduct	-340.51	
			For >1000, Deduct	-435.59	

26 56 19 00-0155 LED, Area Fixtures (26 56 19)

26 56 19 00-0156 Pole Mount, LED Area Fixtures (26 56 19 00-0155)

26 56 19 00-0157 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26 56 19 00-0156)

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0158	EA		20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,043.56	81.28
			For >50 To 100, Deduct	-102.18	
			For >100 To 250, Deduct	-153.27	
			For >250 To 500, Deduct	-251.38	
			For >500 To 1000, Deduct	-349.49	
			For >1000, Deduct	-447.61	
26 56 19 00-0159	EA		40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,203.59	86.06
			For >50 To 100, Deduct	-110.18	
			For >100 To 250, Deduct	-165.27	
			For >250 To 500, Deduct	-271.15	
			For >500 To 1000, Deduct	-377.02	
			For >1000, Deduct	-482.90	
26 56 19 00-0160	EA		80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,373.19	95.64
			For >50 To 100, Deduct	-118.66	
			For >100 To 250, Deduct	-177.99	
			For >250 To 500, Deduct	-291.87	
			For >500 To 1000, Deduct	-405.75	
			For >1000, Deduct	-519.62	
26 56 19 00-0161	EA		100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,382.76	100.42
			For >50 To 100, Deduct	-119.14	
			For >100 To 250, Deduct	-178.71	
			For >250 To 500, Deduct	-292.82	
			For >500 To 1000, Deduct	-406.94	
			For >1000, Deduct	-521.06	

26 56 19 00-0162 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 19 00-0156)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0163	EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	955.08	86.06
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	30.11	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-47.75	
	For >100 To 250, Deduct	-71.63	
	For >250 To 500, Deduct	-115.08	
	For >500 To 1000, Deduct	-158.53	
	For >1000, Deduct	-201.98	
26 56 19 00-0164	EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,152.70	90.86
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	30.59	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-57.64	
	For >100 To 250, Deduct	-86.45	
	For >250 To 500, Deduct	-139.55	
	For >500 To 1000, Deduct	-192.64	
	For >1000, Deduct	-245.73	
26 56 19 00-0165	EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,425.80	95.64
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	31.06	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-71.29	
	For >100 To 250, Deduct	-106.94	
	For >250 To 500, Deduct	-173.44	
	For >500 To 1000, Deduct	-239.95	
	For >1000, Deduct	-306.46	
26 56 19 00-0166	EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,623.43	100.42
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	31.54	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-81.17	
	For >100 To 250, Deduct	-121.76	
	For >250 To 500, Deduct	-197.91	
	For >500 To 1000, Deduct	-274.06	
	For >1000, Deduct	-350.21	
26 56 19 00-0167	EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,821.05	105.20
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	32.02	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-91.05	
	For >100 To 250, Deduct	-136.58	
	For >250 To 500, Deduct	-222.37	
	For >500 To 1000, Deduct	-308.16	
	For >1000, Deduct	-393.96	
26 56 19 00-0168	EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,078.80	109.98
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	32.50	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-103.94	
	For >100 To 250, Deduct	-155.91	
	For >250 To 500, Deduct	-254.35	
	For >500 To 1000, Deduct	-352.79	
	For >1000, Deduct	-451.23	
26 56 19 00-0169	EA 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,276.42	114.76
	For Backlight Shielding, Add	17.91	
	For Type II Medium Optic, Add	32.98	
	For 480 Volt, Add	74.30	
	For Multi-Level Drive Currents, Add	179.10	
	For >50 To 100, Deduct	-113.82	
	For >100 To 250, Deduct	-170.73	
	For >250 To 500, Deduct	-278.81	
	For >500 To 1000, Deduct	-386.90	
	For >1000, Deduct	-494.98	
26 56 19 00-0170	Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0156)</small>		
	Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0171	EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	1,682.20	105.20
	For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
	For Bird Spikes, Add	34.29	
	For 5,000K Color Temperature, Add	37.72	
	For Fuse, Add	45.26	
	For 0 To 10 Volt Dimming, Add	45.26	
	For 480 Volt, Add	67.90	
	For Multi-Level, Add	98.07	
	For 1,000mA Driver, Add	126.76	
	For >50 To 100, Deduct	-84.11	
	For >100 To 250, Deduct	-126.17	
	For >250 To 500, Deduct	-205.02	
	For >500 To 1000, Deduct	-283.87	
	For >1000, Deduct	-362.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0172	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,839.02	129.11
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	15.08	
			For 5,000K Color Temperature, Add	37.72	
			For Fuse, Add	45.26	
			For 0 To 10 Volt Dimming, Add	45.26	
			For Bird Spikes, Add	50.94	
			For Multi-Level, Add	98.07	
			For 1,000mA Driver, Add	126.74	
			For 480 Volt, Add	135.79	
			For >50 To 100, Deduct	-141.95	
			For >100 To 250, Deduct	-212.93	
			For >250 To 500, Deduct	-348.42	
			For >500 To 1000, Deduct	-483.92	
			For >1000, Deduct	-619.41	
26 56 19 00-0173			Wall Mount, LED Area Fixtures (26 56 19 00-0155)		
26 56 19 00-0174			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0173)		
			Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0175	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	886.38	81.28
			For >50 To 100, Deduct	-44.32	
			For >100 To 250, Deduct	-66.48	
			For >250 To 500, Deduct	-106.73	
			For >500 To 1000, Deduct	-146.99	
			For >1000, Deduct	-187.24	
26 56 19 00-0176	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	905.50	90.86
			For >50 To 100, Deduct	-45.28	
			For >100 To 250, Deduct	-67.91	
			For >250 To 500, Deduct	-108.65	
			For >500 To 1000, Deduct	-149.38	
			For >1000, Deduct	-190.11	
26 56 19 00-0177			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0155)		
26 56 19 00-0178			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0177)		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0179	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	842.50	86.06
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-42.13	
			For >100 To 250, Deduct	-63.19	
			For >250 To 500, Deduct	-101.01	
			For >500 To 1000, Deduct	-138.83	
			For >1000, Deduct	-176.65	
26 56 19 00-0180	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,040.12	90.86
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-52.01	
			For >100 To 250, Deduct	-78.01	
			For >250 To 500, Deduct	-125.47	
			For >500 To 1000, Deduct	-172.94	
			For >1000, Deduct	-220.40	
26 56 19 00-0181	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,237.74	95.64
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-61.89	
			For >100 To 250, Deduct	-92.83	
			For >250 To 500, Deduct	-149.94	
			For >500 To 1000, Deduct	-207.04	
			For >1000, Deduct	-264.15	
26 56 19 00-0182	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,435.37	100.42
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-71.77	
			For >100 To 250, Deduct	-107.65	
			For >250 To 500, Deduct	-174.40	
			For >500 To 1000, Deduct	-241.15	
			For >1000, Deduct	-307.90	
26 56 19 00-0183			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 19 00-0177)		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0184	EA		40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	811.80	86.06
			For Multi-Level Drive Currents, Add	179.10	
			For >50 To 100, Deduct	-40.59	
			For >100 To 250, Deduct	-60.89	
			For >250 To 500, Deduct	-97.17	
			For >500 To 1000, Deduct	-133.46	
			For >1000, Deduct	-169.74	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0185	EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	896.84	90.86
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-44.84	
	<i>For >100 To 250, Deduct</i>	-67.26	
	<i>For >250 To 500, Deduct</i>	-107.56	
	<i>For >500 To 1000, Deduct</i>	-147.86	
	<i>For >1000, Deduct</i>	-188.16	
26 56 19 00-0186	Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0177)</small>		
	Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0187	EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	695.21	86.06
	<i>For >50 To 100, Deduct</i>	-34.76	
	<i>For >100 To 250, Deduct</i>	-52.14	
	<i>For >250 To 500, Deduct</i>	-82.60	
	<i>For >500 To 1000, Deduct</i>	-113.05	
	<i>For >1000, Deduct</i>	-143.51	
26 56 19 00-0188	Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0177)</small>		
	Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0189	EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,380.14	90.86
	<i>For >50 To 100, Deduct</i>	-69.01	
	<i>For >100 To 250, Deduct</i>	-103.51	
	<i>For >250 To 500, Deduct</i>	-167.98	
	<i>For >500 To 1000, Deduct</i>	-232.44	
	<i>For >1000, Deduct</i>	-296.90	
26 56 19 00-0190	EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,399.27	100.42
	<i>For >50 To 100, Deduct</i>	-69.96	
	<i>For >100 To 250, Deduct</i>	-104.95	
	<i>For >250 To 500, Deduct</i>	-169.89	
	<i>For >500 To 1000, Deduct</i>	-234.83	
	<i>For >1000, Deduct</i>	-299.77	
26 56 19 00-0191	Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0155)</small>		
26 56 19 00-0192	Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0191)</small>		
	Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0193	EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	978.11	86.06
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-48.91	
	<i>For >100 To 250, Deduct</i>	-73.36	
	<i>For >250 To 500, Deduct</i>	-117.96	
	<i>For >500 To 1000, Deduct</i>	-162.56	
	<i>For >1000, Deduct</i>	-207.16	
26 56 19 00-0194	EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,175.73	90.86
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-58.79	
	<i>For >100 To 250, Deduct</i>	-88.18	
	<i>For >250 To 500, Deduct</i>	-142.42	
	<i>For >500 To 1000, Deduct</i>	-196.67	
	<i>For >1000, Deduct</i>	-250.91	
26 56 19 00-0195	EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,373.35	95.64
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-68.67	
	<i>For >100 To 250, Deduct</i>	-103.00	
	<i>For >250 To 500, Deduct</i>	-166.89	
	<i>For >500 To 1000, Deduct</i>	-230.77	
	<i>For >1000, Deduct</i>	-294.66	
26 56 19 00-0196	EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,570.98	100.42
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-78.55	
	<i>For >100 To 250, Deduct</i>	-117.82	
	<i>For >250 To 500, Deduct</i>	-191.35	
	<i>For >500 To 1000, Deduct</i>	-264.88	
	<i>For >1000, Deduct</i>	-338.41	
26 56 19 00-0197	EA 120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,768.60	105.20
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-88.43	
	<i>For >100 To 250, Deduct</i>	-132.65	
	<i>For >250 To 500, Deduct</i>	-215.82	
	<i>For >500 To 1000, Deduct</i>	-298.99	
	<i>For >1000, Deduct</i>	-382.16	
26 56 19 00-0198	EA 140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,041.70	109.98
	<i>For Multi-Level Drive Currents, Add</i>	179.10	
	<i>For >50 To 100, Deduct</i>	-102.09	
	<i>For >100 To 250, Deduct</i>	-153.13	
	<i>For >250 To 500, Deduct</i>	-249.71	
	<i>For >500 To 1000, Deduct</i>	-346.30	
	<i>For >1000, Deduct</i>	-442.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0199	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	2,239.32 179.10 -111.97 -167.95 -274.18 -380.41 -486.63	114.76
26 56 19 00-0200	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	2,634.57 179.10 -131.73 -197.59 -323.11 -448.62 -574.13	124.32
26 56 19 00-0201	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) <i>For Multi-Level Drive Currents, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	3,020.25 179.10 -151.01 -226.52 -371.08 -515.63 -660.19	129.11
26 56 19 00-0202			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0191)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0203	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	673.56 -33.68 -50.52 -79.41 -108.31 -137.21	95.64
26 56 19 00-0204			Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0155)</small>		
26 56 19 00-0205			Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0204)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0206	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	827.15 -41.36 -62.04 -99.09 -136.14 -173.20	86.06
26 56 19 00-0207	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	912.19 -45.61 -68.41 -109.48 -150.55 -191.62	90.86
26 56 19 00-0208			Surface Mount, LED Area Fixtures <small>(26 56 19 00-0155)</small>		
26 56 19 00-0209			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0208)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0210	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	553.51 -27.68 -41.51 -64.89 -88.26 -111.63	86.06
26 56 19 00-0211	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,005.90 -50.30 -75.44 -121.43 -167.43 -213.42	86.06
26 56 19 00-0212	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	836.41 -41.82 -62.73 -99.77 -136.81 -173.85	95.64
26 56 19 00-0213	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1000, Deduct</i> <i>For >1000, Deduct</i>	1,035.50 -51.78 -77.66 -124.66 -171.65 -218.64	95.64

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0214			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0208) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0215	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	178.14	29.70
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-8.91	
			<i>For >100 To 250, Deduct</i>	-13.36	
			<i>For >250 To 500, Deduct</i>	-21.03	
			<i>For >500 To 1000, Deduct</i>	-28.70	
			<i>For >1000, Deduct</i>	-36.37	
26 56 19 00-0216	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	205.42	29.70
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-10.27	
			<i>For >100 To 250, Deduct</i>	-15.41	
			<i>For >250 To 500, Deduct</i>	-24.44	
			<i>For >500 To 1000, Deduct</i>	-33.47	
			<i>For >1000, Deduct</i>	-42.51	
26 56 19 00-0217	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	257.40	29.70
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For >50 To 100, Deduct</i>	-12.87	
			<i>For >100 To 250, Deduct</i>	-19.31	
			<i>For >250 To 500, Deduct</i>	-30.94	
			<i>For >500 To 1000, Deduct</i>	-42.57	
			<i>For >1000, Deduct</i>	-54.20	
26 56 19 00-0218			Surface Mount, LED Facade Fixtures (26 56 19 00-0155)		
26 56 19 00-0219			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0218)		
26 56 19 00-0220	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	522.58	34.64
			<i>For >50 To 100, Deduct</i>	-26.13	
			<i>For >100 To 250, Deduct</i>	-39.19	
			<i>For >250 To 500, Deduct</i>	-64.00	
			<i>For >500 To 1000, Deduct</i>	-88.82	
			<i>For >1000, Deduct</i>	-113.63	
26 56 19 00-0221	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	853.91	31.63
			<i>For >50 To 100, Deduct</i>	-42.70	
			<i>For >100 To 250, Deduct</i>	-64.04	
			<i>For >250 To 500, Deduct</i>	-105.61	
			<i>For >500 To 1000, Deduct</i>	-147.17	
			<i>For >1000, Deduct</i>	-188.74	
26 56 19 00-0222	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,091.72	26.36
			<i>For >50 To 100, Deduct</i>	-54.59	
			<i>For >100 To 250, Deduct</i>	-81.88	
			<i>For >250 To 500, Deduct</i>	-135.52	
			<i>For >500 To 1000, Deduct</i>	-189.17	
			<i>For >1000, Deduct</i>	-242.81	
26 56 19 00-0223	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,329.50	21.09
			<i>For >50 To 100, Deduct</i>	-66.48	
			<i>For >100 To 250, Deduct</i>	-99.71	
			<i>For >250 To 500, Deduct</i>	-165.43	
			<i>For >500 To 1000, Deduct</i>	-231.16	
			<i>For >1000, Deduct</i>	-296.88	
26 56 19 00-0224			Post Top, LED Area Fixtures (26 56 19 00-0155)		
26 56 19 00-0225			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0224) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0226	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,468.80	131.49
			<i>For >50 To 100, Deduct</i>	-73.44	
			<i>For >100 To 250, Deduct</i>	-110.16	
			<i>For >250 To 500, Deduct</i>	-177.03	
			<i>For >500 To 1000, Deduct</i>	-243.89	
			<i>For >1000, Deduct</i>	-310.76	
26 56 19 00-0227	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,622.65	131.49
			<i>For >50 To 100, Deduct</i>	-81.13	
			<i>For >100 To 250, Deduct</i>	-121.70	
			<i>For >250 To 500, Deduct</i>	-196.26	
			<i>For >500 To 1000, Deduct</i>	-270.81	
			<i>For >1000, Deduct</i>	-345.37	
26 56 19 00-0228	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,744.27	131.49
			<i>For >50 To 100, Deduct</i>	-87.21	
			<i>For >100 To 250, Deduct</i>	-130.82	
			<i>For >250 To 500, Deduct</i>	-211.46	
			<i>For >500 To 1000, Deduct</i>	-292.10	
			<i>For >1000, Deduct</i>	-372.74	
26 56 19 00-0229			Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0224) Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0230	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	1,734.33	131.49
			<i>For >50 To 100, Deduct</i>	-86.72	
			<i>For >100 To 250, Deduct</i>	-130.07	
			<i>For >250 To 500, Deduct</i>	-210.22	
			<i>For >500 To 1000, Deduct</i>	-290.36	
			<i>For >1000, Deduct</i>	-370.50	
26 56 19 00-0231	EA		6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,773.91	131.49
			<i>For >50 To 100, Deduct</i>	-88.70	
			<i>For >100 To 250, Deduct</i>	-133.04	
			<i>For >250 To 500, Deduct</i>	-215.16	
			<i>For >500 To 1000, Deduct</i>	-297.29	
			<i>For >1000, Deduct</i>	-379.41	
26 56 19 00-0232			Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 19 00-0224)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0233	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,198.52	131.49
			<i>For >50 To 100, Deduct</i>	-59.93	
			<i>For >100 To 250, Deduct</i>	-89.89	
			<i>For >250 To 500, Deduct</i>	-143.24	
			<i>For >500 To 1000, Deduct</i>	-196.59	
			<i>For >1000, Deduct</i>	-249.94	
26 56 19 00-0234	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,257.75	131.49
			<i>For >50 To 100, Deduct</i>	-62.89	
			<i>For >100 To 250, Deduct</i>	-94.33	
			<i>For >250 To 500, Deduct</i>	-150.64	
			<i>For >500 To 1000, Deduct</i>	-206.96	
			<i>For >1000, Deduct</i>	-263.27	
26 56 19 00-0235			Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 19 00-0224)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0236	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	929.30	131.49
			<i>For >50 To 100, Deduct</i>	-46.47	
			<i>For >100 To 250, Deduct</i>	-69.70	
			<i>For >250 To 500, Deduct</i>	-109.59	
			<i>For >500 To 1000, Deduct</i>	-149.48	
			<i>For >1000, Deduct</i>	-189.37	
26 56 19 00-0237	EA		6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	988.53	131.49
			<i>For >50 To 100, Deduct</i>	-49.43	
			<i>For >100 To 250, Deduct</i>	-74.14	
			<i>For >250 To 500, Deduct</i>	-116.99	
			<i>For >500 To 1000, Deduct</i>	-159.84	
			<i>For >1000, Deduct</i>	-202.70	
26 56 19 00-0238			Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 19 00-0224)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0239	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,212.66	131.49
			<i>For >50 To 100, Deduct</i>	-110.63	
			<i>For >100 To 250, Deduct</i>	-165.95	
			<i>For >250 To 500, Deduct</i>	-270.01	
			<i>For >500 To 1000, Deduct</i>	-374.07	
			<i>For >1000, Deduct</i>	-478.13	
26 56 19 00-0240			LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) <small>(26 56 19 00-0224)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 56 19 00-0241	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	610.82	71.72
			<i>For 0 To 10 Volt Dimming, Add</i>	45.26	
			<i>For >50 To 100, Deduct</i>	-30.54	
			<i>For >100 To 250, Deduct</i>	-45.81	
			<i>For >250 To 500, Deduct</i>	-72.77	
			<i>For >500 To 1000, Deduct</i>	-99.72	
			<i>For >1000, Deduct</i>	-126.68	
26 56 19 00-0242			LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 19 00-0224)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 56 19 00-0243	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	384.39	15.30
			<i>For Backlight Control Shield, Add</i>	29.99	
			<i>For >50 To 100, Deduct</i>	-19.22	
			<i>For >100 To 250, Deduct</i>	-28.83	
			<i>For >250 To 500, Deduct</i>	-46.52	
			<i>For >500 To 1000, Deduct</i>	-64.21	
			<i>For >1000, Deduct</i>	-81.90	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0244		Surface Mount, LED Strip Fixtures (Sylvania) <small>(26 56 19 00-0155)</small>		
26 56 19 00-0245	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	361.14	27.56
		<i>For >50 To 100, Deduct</i>	-18.06	
		<i>For >100 To 250, Deduct</i>	-27.09	
		<i>For >250 To 500, Deduct</i>	-44.11	
		<i>For >500 To 1000, Deduct</i>	-61.13	
		<i>For >1000, Deduct</i>	-78.15	
26 56 21		HID Exterior Lighting <small>(26 56)</small>		
26 56 21 00-0001		High Mast Fixtures <small>(26 56 21)</small>		
26 56 21 00-0002		Metal Halide, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,533.95	118.07
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,641.31	118.07
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,623.24	134.89
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,687.65	134.89
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,700.41	168.61
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,764.82	168.61
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures <small>(26 56 21 00-0001)</small>		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,587.38	118.07
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,651.80	118.07
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,920.06	124.81
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,965.76	134.89
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,075.13	168.61
26 56 21 00-0015		HID, Pole Mounted <small>(26 56 21)</small>		
26 56 21 00-0016		Metal Halide, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	507.82	192.52
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	572.56	208.99
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	669.29	224.81
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	845.44	263.48
26 56 21 00-0021		High Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	626.29	224.81
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	646.54	224.81
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	676.94	224.81
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	760.03	224.81
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	877.40	224.81
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	809.66	224.81
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small>		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	515.19	122.29
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	550.77	179.85
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	651.28	179.85
26 56 21 00-0032		Metal Halide, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small>		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	798.81	120.54
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	876.60	132.59
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	969.55	144.65
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,024.57	168.76
26 56 21 00-0038		High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	663.83	96.43
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	721.66	120.54
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	782.04	144.65
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	823.63	168.76
26 56 21 00-0044		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0045		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0044)</small>		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0046	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	621.08	121.39
26 56 21 00-0047	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	641.76	134.89
26 56 21 00-0048	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	683.08	153.77
26 56 21 00-0049	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	700.51	163.66
26 56 21 00-0050	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	718.73	172.66
26 56 21 00-0051	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	753.47	179.85

Electrical	26	26
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0052	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	826.73	202.32
26 56 21 00-0053	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,012.30	224.81
26 56 21 00-0054			Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0044)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0055	EA		50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	682.70	134.89
26 56 21 00-0056	EA		70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	717.98	153.77
26 56 21 00-0057	EA		100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	740.83	163.66
26 56 21 00-0058	EA		150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	771.77	172.66
26 56 21 00-0059	EA		175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	788.55	179.85
26 56 21 00-0060	EA		250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	863.73	202.32
26 56 21 00-0061	EA		400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,109.94	224.81
26 56 21 00-0062			Wall Packs <small>(26 56 21)</small>		
26 56 21 00-0063			Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0064	EA		13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	250.32	41.25
26 56 21 00-0065	EA		50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	268.91	41.25
26 56 21 00-0066	EA		35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	268.91	41.25
26 56 21 00-0067	EA		70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	359.07	41.25
26 56 21 00-0068			Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0069	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	504.59	41.25
26 56 21 00-0070	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	511.27	41.25
26 56 21 00-0071	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	517.06	41.25
26 56 21 00-0072	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	506.51	41.25
26 56 21 00-0073	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	463.12	41.25
26 56 21 00-0074	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	439.29	41.25
26 56 21 00-0075			Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0076	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	532.03	41.25
26 56 21 00-0077	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	538.13	41.25
26 56 21 00-0078	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	527.59	41.25
26 56 21 00-0079	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	536.08	41.25
26 56 21 00-0080	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	536.08	41.25
26 56 21 00-0081			Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0082	EA		70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	503.19	54.95
26 56 21 00-0083	EA		100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	503.19	54.95
26 56 21 00-0084	EA		175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	470.54	54.95
26 56 21 00-0085	EA		70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	483.06	54.95
26 56 21 00-0086	EA		100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	483.06	54.95
26 56 21 00-0087	EA		150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	446.85	54.95
26 56 21 00-0088			Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0089	EA		70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	522.54	54.95
26 56 21 00-0090	EA		100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	522.54	54.95
26 56 21 00-0091	EA		175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	522.54	54.95
26 56 21 00-0092	EA		70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	503.34	54.95
26 56 21 00-0093	EA		100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	503.34	54.95
26 56 21 00-0094	EA		150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	503.34	54.95
26 56 21 00-0095			Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0096	EA		175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	678.83	54.95
26 56 21 00-0097			Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0098	EA		250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	634.29	68.06
			Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0099	EA		400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	678.55	68.06
			Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0100	EA		250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	731.33	68.06
			Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0101	EA		400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	745.85	68.06
			Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0102			Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0103	EA		250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	691.22	68.06
26 56 21 00-0104	EA		400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	740.96	68.06

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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26 56 21 00-0105	Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 21 00-0062)</small>			
	Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.			
26 56 21 00-0106	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	633.78	82.51
26 56 21 00-0107	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	581.10	82.51
26 56 21 00-0108	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	621.59	82.51
26 56 21 00-0109	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	625.62	82.51
26 56 21 00-0110	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	629.85	82.51
26 56 21 00-0111	Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 21 00-0062)</small>			
	Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.			
26 56 21 00-0112	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	633.79	82.51
26 56 21 00-0113	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	651.37	82.51
26 56 21 00-0114	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	704.05	82.51
26 56 21 00-0115	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	668.94	82.51
26 56 21 00-0116	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	686.51	82.51
26 56 21 00-0117	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	721.60	82.51
26 56 21 00-0118	Semi Cutoff, Induction Wall Packs <small>(26 56 21 00-0062)</small>			
26 56 21 00-0119	Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 21 00-0118)</small>			
	Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 21 00-0120	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	836.00	81.28
26 56 21 00-0121	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	853.06	86.06
26 56 21 00-0122	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	870.13	90.86
26 56 21 00-0123	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	969.73	95.64
26 56 21 00-0124	Non Cutoff, Polycarbonate Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>			
26 56 21 00-0125	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P)	258.64	41.25
26 56 21 00-0126	Induction, Roadway Lighting <small>(26 56 21)</small>			
26 56 21 00-0127	Induction Roadway Lighting (US Lighting Tech) <small>(26 56 21 00-0126)</small>			
	Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.			
26 56 21 00-0128	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	524.26	143.45
26 56 21 00-0129	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	580.36	148.23
26 56 21 00-0130	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	599.49	157.79
26 56 21 00-0131	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	618.61	167.36
26 56 21 00-0132	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	735.23	172.14
26 56 21 00-0133	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	748.51	176.92
26 56 21 00-0134	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	485.17	143.45
26 56 21 00-0135	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	546.85	148.23
26 56 21 00-0136	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	565.98	157.79
26 56 21 00-0137	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	585.10	167.36
26 56 21 00-0138	Induction, Area Fixtures <small>(26 56 21)</small>			
26 56 21 00-0139	Post Top, Induction Area Fixtures <small>(26 56 21 00-0138)</small>			
26 56 21 00-0140	Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 21 00-0139)</small>			
	Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.			
26 56 21 00-0141	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	599.01	131.49
26 56 21 00-0142	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	653.00	131.49
26 56 21 00-0143	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	653.00	131.49
26 56 21 00-0144	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	653.00	131.49
26 56 21 00-0145	Surface Mount, Induction Parking Structure Fixtures <small>(26 56 21 00-0138)</small>			
26 56 21 00-0146	Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 21 00-0145)</small>			
26 56 21 00-0147	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	538.18	119.54
26 56 21 00-0148	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	574.61	121.93
26 56 21 00-0149	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	583.11	124.32
26 56 21 00-0150	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	591.61	126.71
26 56 21 00-0151	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	600.12	129.11
26 56 21 00-0152	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	612.34	131.49
26 56 21 00-0153	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	637.10	124.32
26 56 21 00-0154	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	645.60	126.71
26 56 21 00-0155	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	654.10	129.11
26 56 21 00-0156	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	682.16	131.49
26 56 21 00-0157	Pole Mount, Induction Area Fixtures <small>(26 56 21 00-0138)</small>			

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Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0158		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 21 00-0157)</small>		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0159	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	873.52	81.28
26 56 21 00-0160	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	898.08	86.06
26 56 21 00-0161	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	922.65	90.86

END OF SECTION 26

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	137.72	22.33
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	262.96	22.33
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	52.17	4.13
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	18.03	4.13
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	19.23	4.13
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	21.46	4.13
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	719.09	84.52
		Note: Excludes terminations.		
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	918.33	112.73
		Note: Excludes terminations.		
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,455.72	169.04
		Note: Excludes terminations.		
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	8.68	1.24
27 05 26 00-0011	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	55.78	22.33

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	6.56	2.07
		For >50 To 100, Deduct	-0.27	
		For >100 To 250, Deduct	-0.53	
		For >250 To 500, Deduct	-1.01	
		For >500, Deduct	-1.48	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
		For Work In Restricted Working Space, Add	1.24	
		For Painted Powder Coated Finish, Add	0.49	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	6.93	2.07
		For >50 To 100, Deduct	-0.28	
		For >100 To 250, Deduct	-0.55	
		For >250 To 500, Deduct	-1.04	
		For >500, Deduct	-1.52	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
		For Work In Restricted Working Space, Add	1.24	
		For Painted Powder Coated Finish, Add	1.73	
		For Low Friction Xylan® Coated Finish, Add	6.16	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	7.52	2.07
		For >50 To 100, Deduct	-0.29	
		For >100 To 250, Deduct	-0.58	
		For >250 To 500, Deduct	-1.08	
		For >500, Deduct	-1.58	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
		For Work In Restricted Working Space, Add	1.24	
		For Painted Powder Coated Finish, Add	2.12	
		For Low Friction Xylan® Coated Finish, Add	7.66	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	12.56	2.07
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.83	
		For >250 To 500, Deduct	-1.46	
		For >500, Deduct	-2.08	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
		For Work In Restricted Working Space, Add	1.24	
		For Painted Powder Coated Finish, Add	1.13	
		For Low Friction Xylan® Coated Finish, Add	6.78	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	7.44	2.07
		For >50 To 100, Deduct	-0.29	
		For >100 To 250, Deduct	-0.58	
		For >250 To 500, Deduct	-1.07	
		For >500, Deduct	-1.57	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
		For Work In Restricted Working Space, Add	1.24	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 05 29 00-0009	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	9.71	2.07
	For >50 To 100, Deduct	-0.35	
	For >100 To 250, Deduct	-0.69	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.80	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0010	EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	10.81	2.07
	For >50 To 100, Deduct	-0.37	
	For >100 To 250, Deduct	-0.75	
	For >250 To 500, Deduct	-1.33	
	For >500, Deduct	-1.91	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0011	EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	14.77	2.07
	For >50 To 100, Deduct	-0.47	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.62	
	For >500, Deduct	-2.30	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0012	Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
	Note: Excludes strut.		
27 05 29 00-0013	EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.86	2.07
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.11	
	For >500, Deduct	-1.61	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0014	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	9.37	2.07
	For >50 To 100, Deduct	-0.34	
	For >100 To 250, Deduct	-0.68	
	For >250 To 500, Deduct	-1.22	
	For >500, Deduct	-1.76	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0015	EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	10.16	2.07
	For >50 To 100, Deduct	-0.36	
	For >100 To 250, Deduct	-0.71	
	For >250 To 500, Deduct	-1.28	
	For >500, Deduct	-1.84	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0016	EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	13.89	2.07
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.56	
	For >500, Deduct	-2.22	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0017	T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
	Note: Excludes T-Bar.		
27 05 29 00-0018	EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	9.52	2.07
	For >50 To 100, Deduct	-0.34	
	For >100 To 250, Deduct	-0.68	
	For >250 To 500, Deduct	-1.23	
	For >500, Deduct	-1.78	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0019	EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	12.08	2.07
	For >50 To 100, Deduct	-0.41	
	For >100 To 250, Deduct	-0.81	
	For >250 To 500, Deduct	-1.42	
	For >500, Deduct	-2.03	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0020	EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	12.75	2.07
	For >50 To 100, Deduct	-0.42	
	For >100 To 250, Deduct	-0.84	
	For >250 To 500, Deduct	-1.47	
	For >500, Deduct	-2.10	
	For Work In Restricted Working Space, Add	1.24	
27 05 29 00-0021	Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
	Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	7.66	2.07
		<i>For >50 To 100, Deduct</i>	-0.29	
		<i>For >100 To 250, Deduct</i>	-0.59	
		<i>For >250 To 500, Deduct</i>	-1.09	
		<i>For >500, Deduct</i>	-1.59	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	8.01	2.07
		<i>For >50 To 100, Deduct</i>	-0.30	
		<i>For >100 To 250, Deduct</i>	-0.61	
		<i>For >250 To 500, Deduct</i>	-1.12	
		<i>For >500, Deduct</i>	-1.63	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	9.78	2.07
		<i>For >50 To 100, Deduct</i>	-0.35	
		<i>For >100 To 250, Deduct</i>	-0.70	
		<i>For >250 To 500, Deduct</i>	-1.25	
		<i>For >500, Deduct</i>	-1.80	
		<i>For Work In Restricted Working Space, Add</i>	1.24	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	9.58	2.07
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100 To 250, Deduct</i>	-0.69	
		<i>For >250 To 500, Deduct</i>	-1.23	
		<i>For >500, Deduct</i>	-1.78	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	10.41	2.07
		<i>For >50 To 100, Deduct</i>	-0.36	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-1.30	
		<i>For >500, Deduct</i>	-1.87	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	14.53	2.07
		<i>For >50 To 100, Deduct</i>	-0.47	
		<i>For >100 To 250, Deduct</i>	-0.93	
		<i>For >250 To 500, Deduct</i>	-1.61	
		<i>For >500, Deduct</i>	-2.28	
		<i>For Work In Restricted Working Space, Add</i>	1.24	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	9.46	2.07
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-1.23	
		<i>For >500, Deduct</i>	-1.77	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	10.94	2.07
		<i>For >50 To 100, Deduct</i>	-0.38	
		<i>For >100 To 250, Deduct</i>	-0.75	
		<i>For >250 To 500, Deduct</i>	-1.34	
		<i>For >500, Deduct</i>	-1.92	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	11.73	2.07
		<i>For >50 To 100, Deduct</i>	-0.40	
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.40	
		<i>For >500, Deduct</i>	-2.00	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	16.03	2.07
		<i>For >50 To 100, Deduct</i>	-0.50	
		<i>For >100 To 250, Deduct</i>	-1.01	
		<i>For >250 To 500, Deduct</i>	-1.72	
		<i>For >500, Deduct</i>	-2.43	
		<i>For Work In Restricted Working Space, Add</i>	1.24	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	27.19	2.72
		<i>For >50 To 100, Deduct</i>	-0.89	
		<i>For >100 To 250, Deduct</i>	-1.77	
		<i>For >250 To 500, Deduct</i>	-3.07	
		<i>For >500, Deduct</i>	-4.37	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.16	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	27.74	2.72
		<i>For >50 To 100, Deduct</i>	-0.90	
		<i>For >100 To 250, Deduct</i>	-1.80	
		<i>For >250 To 500, Deduct</i>	-3.11	
		<i>For >500, Deduct</i>	-4.42	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	30.62	2.72
		<i>For >50 To 100, Deduct</i>	-0.97	
		<i>For >100 To 250, Deduct</i>	-1.94	
		<i>For >250 To 500, Deduct</i>	-3.33	
		<i>For >500, Deduct</i>	-4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	27.10	2.72
		<i>For >50 To 100, Deduct</i>	-0.88	
		<i>For >100 To 250, Deduct</i>	-1.77	
		<i>For >250 To 500, Deduct</i>	-3.06	
		<i>For >500, Deduct</i>	-4.36	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	28.43	2.72
		<i>For >50 To 100, Deduct</i>	-0.92	
		<i>For >100 To 250, Deduct</i>	-1.83	
		<i>For >250 To 500, Deduct</i>	-3.16	
		<i>For >500, Deduct</i>	-4.49	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	29.75	2.72
		<i>For >50 To 100, Deduct</i>	-0.95	
		<i>For >100 To 250, Deduct</i>	-1.90	
		<i>For >250 To 500, Deduct</i>	-3.26	
		<i>For >500, Deduct</i>	-4.63	
		<i>For Work In Restricted Working Space, Add</i>	2.48	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	27.98	2.72
		<i>For >50 To 100, Deduct</i>	-0.91	
		<i>For >100 To 250, Deduct</i>	-1.81	
		<i>For >250 To 500, Deduct</i>	-3.13	
		<i>For >500, Deduct</i>	-4.45	
		<i>For Work In Restricted Working Space, Add</i>	2.48	

27 05 33 Conduits and Backboxes for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways for Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** (27 11)**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** (27 11 16)

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	100.43	21.45
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	37.38	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	200.86	42.90
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	74.76	

27 11 16 00-0004 Terminal Cabinets (27 11 16)

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	264.21	61.88
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	336.78	68.06
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	387.51	78.37
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	402.36	80.44
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	496.82	82.51
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	617.87	92.81
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	633.79	90.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0012	EA		30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	810.69	129.28
27 11 16 00-0013	EA		36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	866.10	142.07
27 11 16 00-0014	EA		42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,052.74	150.08
27 11 16 00-0015	EA		30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	869.57	123.75
27 11 16 00-0016	EA		36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	940.35	134.07
27 11 16 00-0017	EA		48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,170.95	171.86
27 11 16 00-0018	EA		54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,403.53	214.84
27 11 16 00-0019	EA		48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,600.85	212.45
27 11 16 00-0020	EA		60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,834.47	258.48

27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)

27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)

27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)

27 11 16 00-0025	EA		84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	441.41	132.01
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	8.87	
27 11 16 00-0026	EA		96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	630.58	140.26
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.50	
27 11 16 00-0027	EA		108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	682.44	148.50
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.27	

27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)

27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0031	EA		36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	597.86	115.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.34	
27 11 16 00-0032	EA		48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	656.95	117.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.09	
27 11 16 00-0033	EA		60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	655.16	119.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.80	
27 11 16 00-0034	EA		66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	672.42	121.70
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.45	
27 11 16 00-0035	EA		72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	689.46	123.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.10	
27 11 16 00-0036	EA		78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	708.02	125.82
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.82	
27 11 16 00-0037	EA		84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	594.56	127.88
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.94	
27 11 16 00-0038	EA		90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	743.98	129.94
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.21	
27 11 16 00-0039	EA		96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	771.38	132.01
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.37	
27 11 16 00-0040	EA		102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	795.19	134.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.35	
27 11 16 00-0041	EA		108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	800.32	136.13
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.40	

27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0043	EA		36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	635.51	115.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.23	
27 11 16 00-0044	EA		48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	658.35	117.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.16	
27 11 16 00-0045	EA		60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	678.35	119.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.95	
27 11 16 00-0046	EA		66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	716.50	121.70
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.66	
27 11 16 00-0047	EA		72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	734.85	123.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.37	
27 11 16 00-0048	EA		78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	754.91	125.82
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.16	
27 11 16 00-0049	EA		84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	641.99	127.88
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.31	
27 11 16 00-0050	EA		90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	793.75	129.94
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.69	
27 11 16 00-0051	EA		96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	823.50	132.01
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.97	
27 11 16 00-0052	EA		102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	849.37	134.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.06	
27 11 16 00-0053	EA		108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	854.58	136.13
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.12	

27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0055	EA		72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	798.66	123.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.56	
27 11 16 00-0056	EA		84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	842.09	127.88
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.32	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0057			UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058			19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	634.56	115.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.18	
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	689.06	117.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.70	
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	699.51	119.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.01	
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	715.35	121.70
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.60	
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	733.65	123.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.31	
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	753.65	125.82
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.10	
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	772.80	127.88
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.85	
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	792.41	129.94
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.63	
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	822.14	132.01
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.91	
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	847.94	134.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.99	
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	853.08	136.13
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.04	
27 11 16 00-0070			23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	676.00	115.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.25	
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	745.26	117.56
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.51	
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	754.53	119.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.76	
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	763.81	121.70
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.02	
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	783.58	123.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.80	
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	805.24	125.82
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.68	
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	825.92	127.88
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.51	
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	847.11	129.94
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.36	
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	879.44	132.01
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.77	
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	907.50	134.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.97	
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	912.90	136.13
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.03	
27 11 16 00-0082			4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083			4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,294.14	206.26
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	44.08	
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,417.63	214.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	49.43	
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,533.93	222.75
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	54.42	
27 11 16 00-0087			4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,332.92	206.26
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	46.02	
27 11 16 00-0089			Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090			Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091			Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	76.50	8.25
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	85.60	8.25
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	63.27	8.25
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	77.87	8.25
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	91.96	8.25
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	70.46	8.25
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	106.25	8.25
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	121.46	8.25
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	84.85	8.25
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	95.90	8.25

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 11 19 00-0019		Fiber Optic Cable Connector Housings (27 11 19 00-0018)			
27 11 19 00-0020		Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	113.71		18.56
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	173.31		18.56
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	261.49		18.56
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	384.43		30.94
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	541.42		30.94
27 11 19 00-0026		Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	400.52		30.94
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	460.38		30.94
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	496.99		30.94
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	585.46		30.94
27 11 19 00-0031		Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	503.11		30.94
		<i>For Splice Tray Bracket, Add</i>	55.37		
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	592.15		30.94
		<i>For Splice Tray Bracket, Add</i>	60.55		
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	742.20		30.94
		<i>For Splice Tray Bracket, Add</i>	220.61		
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	642.79		30.94
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	826.37		30.94
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	937.66		30.94
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,221.49		30.94
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)			
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	578.65		18.56
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	797.68		30.94
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	837.88		30.94
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)			
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	606.43		18.56
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	797.19		30.94
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	939.41		30.94
27 11 19 00-0048		Fiber Optic Cable Connector Panels (27 11 19 00-0018)			
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	78.82		4.12
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	85.72		4.12
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	96.43		4.12
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	105.63		4.12
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	131.68		4.12
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	145.43		4.12
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	75.77		4.12
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	77.39		4.12
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	92.39		4.12
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	94.54		4.12
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	125.61		4.12
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	128.82		4.12
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	82.00		4.12
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	90.13		4.12
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	100.66		4.12
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	111.51		4.12
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	138.03		4.12
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	154.27		4.12
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	175.38		4.12

MINOR CSI UQM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0018 EA Certify And Document 4-Pair Cat 5-7 Telecommunications Cable For >25-Pair, Deduct	39.60 -15.79	
27 13 13 13-0019 Building Entrance Terminals (27 13 13 13)		
27 13 13 13-0020 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,526.76	180.75
27 13 13 13-0021 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,058.80	301.25
27 13 13 13-0022 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,936.05	482.38
27 13 23 23 13-0001 Fiber Optic Cable Splice Closures (27 13 23 13)		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0002 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	674.19	82.51
27 13 23 13-0003 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	839.19	165.01
27 13 23 13-0004 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	839.19	165.01
27 13 23 13-0005 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,134.92	82.51
27 13 23 13-0006 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,299.92	165.01
27 13 23 13-0007 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,299.92	165.01
27 13 23 13-0008 EA Splice Tray For Fiber Optic Cable Splice Closure.....	46.30	10.31
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0009 Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0010 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	24.75	
27 13 23 13-0011 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	82.51	
27 13 23 13-0012 Fiber Optic Cable Testing (27 13 23 13)		
Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 13 23 13-0013 Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0012)		
Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0014 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	16.50 -1.24 -1.65	
27 13 23 13-0015 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	24.75 -1.86 -2.48	
27 13 23 13-0016 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	41.25 -3.09 -4.13	
27 13 23 13-0017 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	61.88 -4.64 -6.19	
27 13 23 13-0018 Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0012)		
27 13 23 13-0019 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	16.50 -1.24 -1.65	
27 13 23 13-0020 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	24.75 -1.86 -2.48	
27 13 23 13-0021 Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0012)		
27 13 23 13-0022 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test..... For >12 To 48 Strands, Deduct For >48 Strands, Deduct	16.50 -1.24 -1.65	
27 13 23 13-0023 Other Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0024 EA Fiber Optic Finger Splice.....	30.50	15.51
27 13 23 13-0025 EA Fiber Optic Splice Box - Manholes.....	5,487.40	
27 13 23 13-0026 Fiber Optic Cable Fan Out Kits (27 13 23 13)		
27 13 23 13-0027 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
27 13 23 13-0028 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	180.84	
27 13 23 13-0029 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	183.86	
27 13 23 13-0030 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	209.40	
27 13 23 13-0031 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	228.55	
27 13 23 13-0032 Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
Note: For tight buffered or loose tube non-armed cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	218.09	
27 13 23 13-0034 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	238.38	
27 13 23 13-0035 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	347.40	
27 13 23 13-0036 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	450.20	

27 **Communications**

27 10 **Structured Cabling**

27 13 **Communications Backbone Cabling**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 **Communications Horizontal Cabling** (27 10)

27 15 01 **Communications Horizontal Cabling Applications** (27 15)

27 15 01 13 **Video Surveillance Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 **Access Control Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 **Voice Communications Horizontal Cabling** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 **Intrusion Detection Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 **Fire Alarm Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 **Fire Alarm/Life Safety Cable** (27 15 01 19)

27 15 01 19-0002 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable** (27 15 01 19-0001)

27 15 01 19-0003 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** (27 15 01 19-0002)

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,413.65	561.35
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,764.48	581.65
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,612.51	638.08
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,174.30	660.85
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,857.56	714.31
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,659.48	740.05
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,405.56	816.78
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,654.35	845.91

27 15 01 19-0012 **Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** (27 15 01 19-0002)

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,349.24	1,122.87
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,733.89	1,163.29
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,675.98	1,276.32
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,275.70	1,321.69
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,048.07	1,428.95
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,892.90	1,480.11
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,766.86	1,633.55
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,064.32	1,692.14

27 15 01 19-0021 **Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** (27 15 01 19-0001)

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	869.62	459.37
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	945.98	475.71
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,057.27	561.35
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,134.74	571.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0026	MLF	4	Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,180.79	581.65
27 15 01 19-0027	MLF	6	Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,332.46	601.94
27 15 01 19-0028	MLF	8	Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,552.39	622.24
27 15 01 19-0029	MLF	2	Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,237.96	638.08
27 15 01 19-0030	MLF	4	Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,407.25	660.85
27 15 01 19-0031	MLF	2	Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,440.60	714.31
27 15 01 19-0032	MLF	4	Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,707.64	740.05
27 15 01 19-0033	MLF	2	Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,772.68	816.78
27 15 01 19-0034	MLF	4	Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,206.60	845.91
27 15 01 19-0035			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0036			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0035)		
27 15 01 19-0037	MLF	2/c #22 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	861.43	459.37
27 15 01 19-0038	MLF	2/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,051.96	561.35
27 15 01 19-0039	MLF	3/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,186.13	571.50
27 15 01 19-0040	MLF	4/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,195.02	581.65
27 15 01 19-0041	MLF	6/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,406.72	601.94
27 15 01 19-0042	MLF	2/c #16 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,229.92	638.08
27 15 01 19-0043	MLF	4/c #16 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,425.28	660.85
27 15 01 19-0044	MLF	2/c #14 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,404.44	714.31
27 15 01 19-0045	MLF	4/c #14 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,851.36	740.05
27 15 01 19-0046	MLF	2/c #12 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,760.86	816.78
27 15 01 19-0047	MLF	4/c #12 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,424.78	845.91
27 15 01 19-0048			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0035)		
27 15 01 19-0049	MLF	2/c #22 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,627.05	919.08
27 15 01 19-0050	MLF	2/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,987.55	1,122.87
27 15 01 19-0051	MLF	3/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,138.23	1,142.66
27 15 01 19-0052	MLF	4/c #18 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,164.43	1,163.29
27 15 01 19-0053	MLF	6	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,409.96	1,203.72
27 15 01 19-0054	MLF	2	Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,293.39	1,276.32
27 15 01 19-0055	MLF	4/c #16 AWG	Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,526.68	1,321.69
27 15 01 19-0056	MLF	2	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,594.95	1,428.95
27 15 01 19-0057	MLF	4	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,084.78	1,480.11
27 15 01 19-0058	MLF	2	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,122.16	1,633.55
27 15 01 19-0059	MLF	4	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,834.75	1,692.14
27 15 01 19-0060			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0061			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0060)		
27 15 01 19-0062	MLF	2	Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	895.12	459.37
27 15 01 19-0063	MLF	2	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,076.01	561.35
27 15 01 19-0064	MLF	3	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,275.44	571.50

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,219.64	581.65
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,431.89	601.94
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,285.22	638.08
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,450.85	660.85
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,523.70	714.31
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,791.57	740.05
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,849.11	816.78
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,243.23	845.91

27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0060)

27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,660.74	919.08
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,011.60	1,122.87
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,227.54	1,142.66
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,189.05	1,163.29
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,435.13	1,203.72
27 15 01 19-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,348.69	1,276.32
27 15 01 19-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,552.25	1,321.69
27 15 01 19-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,714.21	1,428.95
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,024.99	1,480.11
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,210.41	1,633.55
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,653.20	1,692.14

27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)

27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)

27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	858.51	459.37
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,082.47	561.35
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,172.06	571.50
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,247.27	581.65
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,412.07	601.94
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,249.74	638.08
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,475.55	660.85
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,466.94	714.31
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,874.32	740.05
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,768.70	816.78

27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0085)

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,624.13	919.08
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,018.06	1,122.87
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,124.16	1,142.66
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,216.68	1,163.29
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,415.31	1,203.72
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,313.21	1,276.32
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,576.95	1,321.69
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,657.45	1,428.95
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,107.74	1,480.11

Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>		
27 15 13 00-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	901.66	346.52
27 15 13 00-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,302.88	396.02
27 15 13 00-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>		
27 15 13 00-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,479.18 346.51	693.02
27 15 13 00-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,962.91 396.02	792.03
27 15 13 00-0098	Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0099)</small>		
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,156.38	346.52
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,221.10	346.52
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0099)</small>		
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,733.90 346.51	693.02
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,798.62 346.51	693.02
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0106)</small>		
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,755.22	346.52
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0106)</small>		
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,332.74 346.51	693.02
27 15 13 00-0111	Category 6a, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0112)</small>		
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,259.80	346.52
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0112)</small>		
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,837.32 346.51	693.02
27 15 13 00-0117	Category 6a, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0118	Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0117)</small>		
27 15 13 00-0119	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,061.31	346.52
27 15 13 00-0120	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0117)</small>		
27 15 13 00-0121	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,638.83 346.51	693.02
27 15 13 00-0122	Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0123	Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0122)</small>		
27 15 13 00-0124	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,290.23	396.02
27 15 13 00-0125	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	7,080.52	396.02
27 15 13 00-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0122)</small>		
27 15 13 00-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,950.26 396.02	792.03
27 15 13 00-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,740.55 396.02	792.03

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0129 Outdoor Telecommunications Cable (27 15 13 00-0001) Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130 PE-89 Outdoor Telecommunications Cable (27 15 13 00-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131 24 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0132 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0131)		
27 15 13 00-0133 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,279.51	396.02
27 15 13 00-0134 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,541.53	693.02
27 15 13 00-0135 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,188.49	445.52
27 15 13 00-0136 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,346.30	495.02
27 15 13 00-0137 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,745.10	693.02
27 15 13 00-0138 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,981.40	792.03
27 15 13 00-0139 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,330.26	891.03
27 15 13 00-0140 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,188.77	1,287.05
27 15 13 00-0141 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	20,128.69	1,683.06
27 15 13 00-0142 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	27,337.84	2,277.08
27 15 13 00-0143 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	43,051.02	4,554.16
27 15 13 00-0144 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	58,778.35	6,732.23
27 15 13 00-0145 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0131)		
27 15 13 00-0146 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,155.76	
27 15 13 00-0147 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,417.78	
27 15 13 00-0148 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,023.48	
27 15 13 00-0149 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,181.29	
27 15 13 00-0150 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,497.59	
27 15 13 00-0151 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,568.88	
27 15 13 00-0152 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,165.26	
27 15 13 00-0153 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,693.75	
27 15 13 00-0154 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	19,097.40	
27 15 13 00-0155 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,522.78	
27 15 13 00-0156 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	38,100.84	
27 15 13 00-0157 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	51,518.09	
27 15 13 00-0158 22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0159 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0158)		
27 15 13 00-0160 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,446.08	396.02
27 15 13 00-0161 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,852.74	396.02
27 15 13 00-0162 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,825.52	445.52
27 15 13 00-0163 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,480.15	495.02
27 15 13 00-0164 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,517.00	693.02
27 15 13 00-0165 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,390.24	792.03
27 15 13 00-0166 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	14,977.26	891.03
27 15 13 00-0167 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,816.31	1,287.05
27 15 13 00-0168 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	29,063.19	1,683.06
27 15 13 00-0169 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	42,940.30	2,277.08
27 15 13 00-0170 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	62,755.63	4,554.16
27 15 13 00-0171 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	88,258.27	6,732.23
27 15 13 00-0172 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0159)		
27 15 13 00-0173 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,322.33	
27 15 13 00-0174 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,728.99	
27 15 13 00-0175 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,660.51	
27 15 13 00-0176 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,315.14	
27 15 13 00-0177 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,269.49	
27 15 13 00-0178 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,142.73	
27 15 13 00-0179 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,812.26	
27 15 13 00-0180 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,321.29	
27 15 13 00-0181 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	28,031.90	
27 15 13 00-0182 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,125.24	
27 15 13 00-0183 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	57,805.45	
27 15 13 00-0184 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	80,998.01	
27 15 13 00-0185 19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0186 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0185)		
27 15 13 00-0187 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,789.37	445.52
27 15 13 00-0188 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,318.84	495.02
27 15 13 00-0189 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,345.31	693.02
27 15 13 00-0190 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	15,993.57	792.03
27 15 13 00-0191 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0186)		
27 15 13 00-0192 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,624.36	
27 15 13 00-0193 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,153.83	
27 15 13 00-0194 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,097.80	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	27 15 13 00-0195	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,746.06	
	27 15 13 00-0196	PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small> Note: Includes solid polyolefin insulated conductors.		
	27 15 13 00-0197	24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0198	24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0199	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,797.95	693.02
	27 15 13 00-0200	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,118.51	693.02
	27 15 13 00-0201	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,765.22	693.02
	27 15 13 00-0202	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,929.83	693.02
	27 15 13 00-0203	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,291.83	693.02
	27 15 13 00-0204	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	11,417.58	891.03
	27 15 13 00-0205	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,671.92	1,287.05
	27 15 13 00-0206	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	21,935.89	1,683.06
	27 15 13 00-0207	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	29,976.50	2,277.08
	27 15 13 00-0208	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	46,463.45	4,554.16
	27 15 13 00-0209	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	67,628.83	6,732.23
	27 15 13 00-0210	24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0211	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,550.44	
	27 15 13 00-0212	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,871.00	
	27 15 13 00-0213	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,517.71	
	27 15 13 00-0214	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,682.32	
	27 15 13 00-0215	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	6,044.32	
	27 15 13 00-0216	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	11,252.58	
	27 15 13 00-0217	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,176.90	
	27 15 13 00-0218	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	20,904.60	
	27 15 13 00-0219	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	28,161.44	
	27 15 13 00-0220	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	41,513.27	
	27 15 13 00-0221	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	60,368.57	
	27 15 13 00-0222	22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0223	22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0224	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,983.27	693.02
	27 15 13 00-0225	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,454.32	693.02
	27 15 13 00-0226	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,456.74	693.02
	27 15 13 00-0227	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,300.82	693.02
	27 15 13 00-0228	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,149.19	693.02
	27 15 13 00-0229	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,916.51	891.03
	27 15 13 00-0230	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,789.02	1,287.05
	27 15 13 00-0231	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	31,753.36	1,683.06
	27 15 13 00-0232	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	44,361.35	2,277.08
	27 15 13 00-0233	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	69,755.87	4,554.16
	27 15 13 00-0234	22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0235	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,735.76	
	27 15 13 00-0236	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,206.81	
	27 15 13 00-0237	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,209.23	
	27 15 13 00-0238	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,053.31	
	27 15 13 00-0239	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,901.68	
	27 15 13 00-0240	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,751.51	
	27 15 13 00-0241	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	24,294.00	
	27 15 13 00-0242	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	30,722.07	
	27 15 13 00-0243	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	42,546.29	
	27 15 13 00-0244	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	64,805.69	
	27 15 13 00-0245	19 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0246	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0247	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,677.32	693.02
	27 15 13 00-0248	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,417.37	693.02
	27 15 13 00-0249	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,172.91	693.02
	27 15 13 00-0250	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0251	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,429.81	
	27 15 13 00-0252	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,169.86	
	27 15 13 00-0253	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	16,925.40	
	27 15 13 00-0254	(Aerial) Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small> Note: Includes support wire.		
	27 15 13 00-0255	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 15 13 00-0254)</small>		
	27 15 13 00-0256	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,345.64	1,438.78

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0257	MLF		12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,612.36	1,438.78
27 15 13 00-0258	MLF		25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,274.58	1,438.78
27 15 13 00-0259	MLF		50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,500.65	1,438.78
27 15 13 00-0260	MLF		100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,868.81	1,438.78
27 15 13 00-0261	MLF		200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,909.82	1,582.66
27 15 13 00-0262	MLF		300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,980.10	1,726.54
27 15 13 00-0263			22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)		
27 15 13 00-0264	MLF		6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,664.74	1,438.78
27 15 13 00-0265	MLF		12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,058.81	1,438.78
27 15 13 00-0266	MLF		25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,007.95	1,438.78
27 15 13 00-0267	MLF		50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,883.07	1,438.78
27 15 13 00-0268	MLF		100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,066.32	1,438.78
27 15 13 00-0269	MLF		200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,613.36	1,582.66
27 15 13 00-0270			19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)		
27 15 13 00-0271	MLF		6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,086.62	1,438.78
27 15 13 00-0272	MLF		12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,977.79	1,438.78
27 15 13 00-0273	MLF		25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,729.95	1,438.78
27 15 13 00-0274	MLF		50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,234.31	1,438.78
27 15 13 00-0275	MLF		100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,332.29	1,438.78
27 15 13 00-0276			Solid Conductor Low Voltage Cable ^(27 15 13)		
27 15 13 00-0277			Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0276)		
27 15 13 00-0278			#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0279	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,750.34	745.60
			<i>For #10 AWG, Add</i>	416.05	
			<i>For Work In Restricted Working Space, Add</i>	372.83	
27 15 13 00-0280	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,223.62	771.96
			<i>For #10 AWG, Add</i>	566.49	
			<i>For Work In Restricted Working Space, Add</i>	386.09	
27 15 13 00-0281	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,636.35	799.07
			<i>For #10 AWG, Add</i>	696.91	
			<i>For Work In Restricted Working Space, Add</i>	399.42	
27 15 13 00-0282	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,073.79	826.18
			<i>For #10 AWG, Add</i>	835.29	
			<i>For Work In Restricted Working Space, Add</i>	413.22	
27 15 13 00-0283	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,534.98	881.91
			<i>For #10 AWG, Add</i>	975.40	
			<i>For Work In Restricted Working Space, Add</i>	441.09	
27 15 13 00-0284	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,953.16	936.90
			<i>For #10 AWG, Add</i>	1,101.50	
			<i>For Work In Restricted Working Space, Add</i>	468.57	
27 15 13 00-0285	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,265.06	1,048.36
			<i>For #10 AWG, Add</i>	1,180.37	
			<i>For Work In Restricted Working Space, Add</i>	524.08	
27 15 13 00-0286	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,660.40	1,382.00
			<i>For #10 AWG, Add</i>	1,568.56	
			<i>For Work In Restricted Working Space, Add</i>	690.87	
27 15 13 00-0287	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,437.03	2,040.99
			<i>For #10 AWG, Add</i>	2,342.12	
			<i>For Work In Restricted Working Space, Add</i>	1,020.23	
27 15 13 00-0288			#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)		
27 15 13 00-0289	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,571.74	652.22
			<i>For Work In Restricted Working Space, Add</i>	326.03	
27 15 13 00-0290	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,020.86	675.56
			<i>For Work In Restricted Working Space, Add</i>	337.78	
27 15 13 00-0291	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,411.92	698.91
			<i>For Work In Restricted Working Space, Add</i>	349.53	
27 15 13 00-0292	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,825.86	723.01
			<i>For Work In Restricted Working Space, Add</i>	361.50	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,259.08 385.91	771.96
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,650.95 409.85	820.16
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,934.85 458.66	917.32
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,222.61 604.39	1,208.77
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	7,788.35 892.91	1,785.68
27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)				
27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,397.84 291.23	582.17
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,690.71 301.63	603.26
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,138.02 312.02	624.35
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,503.55 322.87	645.43
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,885.72 344.56	689.11
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,232.05 366.02	732.04
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,357.72 387.71	775.73
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,484.14 409.63	819.41
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,923.87 435.61	871.37
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	4,623.81 539.66	1,079.24
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	6,894.85 797.23	1,594.38
27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)				
27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,155.60 256.22	512.89
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,441.38 265.48	530.96
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,691.07 274.74	549.03
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	1,954.51 284.01	567.86
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,237.31 303.21	606.27
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,494.60 322.19	643.92
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	2,697.26 360.38	720.75
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	3,577.76 474.92	949.70
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit..... <i>For Work In Restricted Working Space, Add</i>	5,330.49 701.54	1,403.09
27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)				

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,008.21	466.19
		<i>For Work In Restricted Working Space, Add</i>	.....	232.94	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,233.23	482.76
		<i>For Work In Restricted Working Space, Add</i>	.....	241.30	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,427.98	499.71
		<i>For Work In Restricted Working Space, Add</i>	.....	249.66	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,633.19	516.65
		<i>For Work In Restricted Working Space, Add</i>	.....	258.25	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,861.08	551.29
		<i>For Work In Restricted Working Space, Add</i>	.....	275.54	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,067.78	585.94
		<i>For Work In Restricted Working Space, Add</i>	.....	292.82	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,258.42	655.23
		<i>For Work In Restricted Working Space, Add</i>	.....	327.61	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,972.10	863.85
		<i>For Work In Restricted Working Space, Add</i>	.....	431.77	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,425.40	1,275.80
		<i>For Work In Restricted Working Space, Add</i>	.....	637.83	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	4,735.34	1,305.93
		<i>For Work In Restricted Working Space, Add</i>	.....	652.97	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,669.71	1,520.58
		<i>For Work In Restricted Working Space, Add</i>	.....	760.29	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	6,086.05	1,627.52
		<i>For Work In Restricted Working Space, Add</i>	.....	813.83	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	7,210.01	2,034.21
		<i>For Work In Restricted Working Space, Add</i>	.....	1,016.95	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	9,868.94	2,678.14
		<i>For Work In Restricted Working Space, Add</i>	.....	1,338.91	
27 15 13 00-0335		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>			
27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	820.14	419.50
		<i>For Work In Restricted Working Space, Add</i>	.....	209.67	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	889.65	434.55
		<i>For Work In Restricted Working Space, Add</i>	.....	217.13	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	976.94	449.62
		<i>For Work In Restricted Working Space, Add</i>	.....	224.81	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,072.71	464.69
		<i>For Work In Restricted Working Space, Add</i>	.....	232.49	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,208.90	496.31
		<i>For Work In Restricted Working Space, Add</i>	.....	248.08	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	1,347.83	525.68
		<i>For Work In Restricted Working Space, Add</i>	.....	262.99	
27 15 13 00-0342		Triad <small>(27 15 13 00-0277)</small>			
27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	.....	1,655.87	624.35
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	2,179.75	863.85
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	3,373.28	1,275.80
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	4,171.22	1,520.58
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	6,771.22	2,355.80
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	.....	7,775.88	2,678.14
27 15 13 00-0349		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>			
27 15 13 00-0350		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>			
27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,993.12	1,491.20
		<i>For #10 AWG, Add</i>	.....	664.61	
		<i>For Work In Restricted Working Space, Add</i>	.....	745.67	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,510.60	1,543.93
		<i>For #10 AWG, Add</i>	.....	823.88	
		<i>For Work In Restricted Working Space, Add</i>	.....	772.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,967.76	1,598.15
Exposed	963.19	
For #10 AWG, Add	798.85	
For Work In Restricted Working Space, Add		
27 15 13 00-0354 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,451.20	1,652.37
Exposed	1,110.77	
For #10 AWG, Add	826.44	
For Work In Restricted Working Space, Add		
27 15 13 00-0355 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,005.27	1,763.84
Exposed	1,269.46	
For #10 AWG, Add	882.18	
For Work In Restricted Working Space, Add		
27 15 13 00-0356 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,515.07	1,873.80
Exposed	1,413.88	
For #10 AWG, Add	937.14	
For Work In Restricted Working Space, Add		
27 15 13 00-0357 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	6,012.00	2,096.72
Exposed	1,529.76	
For #10 AWG, Add	1,048.16	
For Work In Restricted Working Space, Add		
27 15 13 00-0358 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	7,963.28	2,763.99
Exposed	2,029.13	
For #10 AWG, Add	1,381.73	
For Work In Restricted Working Space, Add		
27 15 13 00-0359 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	11,837.80	4,081.97
Exposed	3,022.27	
For #10 AWG, Add	2,040.46	
For Work In Restricted Working Space, Add		
27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0361 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	2,658.51	1,304.42
Exposed	652.06	
For Work In Restricted Working Space, Add		
27 15 13 00-0362 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,146.80	1,351.12
Exposed	675.56	
For Work In Restricted Working Space, Add		
27 15 13 00-0363 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,577.01	1,397.81
Exposed	699.06	
For Work In Restricted Working Space, Add		
27 15 13 00-0364 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,030.87	1,446.01
Exposed	723.01	
For Work In Restricted Working Space, Add		
27 15 13 00-0365 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,545.43	1,543.93
Exposed	771.81	
For Work In Restricted Working Space, Add		
27 15 13 00-0366 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,017.13	1,640.32
Exposed	819.71	
For Work In Restricted Working Space, Add		
27 15 13 00-0367 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	5,463.71	1,834.63
Exposed	917.32	
For Work In Restricted Working Space, Add		
27 15 13 00-0368 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	7,237.24	2,417.56
Exposed	1,208.78	
For Work In Restricted Working Space, Add		
27 15 13 00-0369 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	10,764.74	3,571.36
Exposed	1,785.83	
For Work In Restricted Working Space, Add		
27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0371 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	2,368.63	1,164.34
Exposed	582.47	
For Work In Restricted Working Space, Add		
27 15 13 00-0372 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	2,696.14	1,206.52
Exposed	603.26	
For Work In Restricted Working Space, Add		
27 15 13 00-0373 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,178.10	1,248.69
Exposed	624.05	
For Work In Restricted Working Space, Add		
27 15 13 00-0374 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	3,579.77	1,290.87
Exposed	645.74	
For Work In Restricted Working Space, Add		
27 15 13 00-0375 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,034.25	1,378.24
Exposed	689.12	
For Work In Restricted Working Space, Add		
27 15 13 00-0376 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,452.12	1,464.09
Exposed	732.05	
For Work In Restricted Working Space, Add		
27 15 13 00-0377 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,650.09	1,551.45
Exposed	775.43	
For Work In Restricted Working Space, Add		
27 15 13 00-0378 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	4,849.57	1,638.82
Exposed	819.26	
For Work In Restricted Working Space, Add		

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF		9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,375.90	1,742.75
			<i>For Work In Restricted Working Space, Add</i>	871.22	
27 15 13 00-0380	MLF		12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,422.66	2,158.48
			<i>For Work In Restricted Working Space, Add</i>	1,079.31	
27 15 13 00-0381	MLF		24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,552.29	3,188.76
			<i>For Work In Restricted Working Space, Add</i>	1,594.46	
27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)					
27 15 13 00-0383	MLF		1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,009.66	1,025.77
			<i>For Work In Restricted Working Space, Add</i>	512.43	
27 15 13 00-0384	MLF		2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,326.31	1,061.92
			<i>For Work In Restricted Working Space, Add</i>	530.96	
27 15 13 00-0385	MLF		3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,606.88	1,098.07
			<i>For Work In Restricted Working Space, Add</i>	549.49	
27 15 13 00-0386	MLF		4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,901.19	1,135.72
			<i>For Work In Restricted Working Space, Add</i>	568.01	
27 15 13 00-0387	MLF		5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,248.02	1,212.55
			<i>For Work In Restricted Working Space, Add</i>	606.42	
27 15 13 00-0388	MLF		6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,568.56	1,287.86
			<i>For Work In Restricted Working Space, Add</i>	644.38	
27 15 13 00-0389	MLF		8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,898.50	1,441.49
			<i>For Work In Restricted Working Space, Add</i>	720.75	
27 15 13 00-0390	MLF		12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,160.85	1,899.40
			<i>For Work In Restricted Working Space, Add</i>	949.85	
27 15 13 00-0391	MLF		24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,668.95	2,806.17
			<i>For Work In Restricted Working Space, Add</i>	1,403.08	
27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)					
27 15 13 00-0393	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,784.69	932.38
			<i>For Work In Restricted Working Space, Add</i>	465.89	
27 15 13 00-0394	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,037.58	965.52
			<i>For Work In Restricted Working Space, Add</i>	482.61	
27 15 13 00-0395	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,260.20	999.40
			<i>For Work In Restricted Working Space, Add</i>	499.33	
27 15 13 00-0396	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,494.02	1,033.30
			<i>For Work In Restricted Working Space, Add</i>	516.50	
27 15 13 00-0397	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,779.52	1,102.59
			<i>For Work In Restricted Working Space, Add</i>	551.07	
27 15 13 00-0398	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,043.85	1,171.88
			<i>For Work In Restricted Working Space, Add</i>	585.64	
27 15 13 00-0399	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,350.47	1,310.45
			<i>For Work In Restricted Working Space, Add</i>	655.23	
27 15 13 00-0400	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,411.34	1,727.68
			<i>For Work In Restricted Working Space, Add</i>	863.54	
27 15 13 00-0401	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,551.48	2,551.61
			<i>For Work In Restricted Working Space, Add</i>	1,275.65	
27 15 13 00-0402	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,911.87	2,611.86
			<i>For Work In Restricted Working Space, Add</i>	1,305.92	
27 15 13 00-0403	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,204.02	3,041.15
			<i>For Work In Restricted Working Space, Add</i>	1,520.58	
27 15 13 00-0404	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,798.83	3,255.03
			<i>For Work In Restricted Working Space, Add</i>	1,627.67	
27 15 13 00-0405	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,599.84	4,068.42
			<i>For Work In Restricted Working Space, Add</i>	2,033.90	
27 15 13 00-0406	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	14,331.96	5,356.28
			<i>For Work In Restricted Working Space, Add</i>	2,677.82	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0407		#22 AWG, Shielded, Low Voltage Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,519.04	838.99
		<i>For Work In Restricted Working Space, Add</i>	419.34	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,613.41	869.12
		<i>For Work In Restricted Working Space, Add</i>	434.26	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,726.31	899.24
		<i>For Work In Restricted Working Space, Add</i>	449.62	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,847.69	929.36
		<i>For Work In Restricted Working Space, Add</i>	464.99	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,035.84	992.63
		<i>For Work In Restricted Working Space, Add</i>	496.16	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,224.48	1,051.38
		<i>For Work In Restricted Working Space, Add</i>	525.99	
27 15 13 00-0414		Triad, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	1,655.87	624.35
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,179.75	863.85
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,373.28	1,275.80
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,171.22	1,520.58
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,771.22	2,355.80
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,775.88	2,678.14
27 15 13 00-0421		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0422		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,336.72	652.22
		<i>For Work In Restricted Working Space, Add</i>	326.03	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,587.18	675.56
		<i>For Work In Restricted Working Space, Add</i>	337.78	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,807.70	698.91
		<i>For Work In Restricted Working Space, Add</i>	349.53	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,040.40	723.01
		<i>For Work In Restricted Working Space, Add</i>	361.50	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,301.59	771.21
		<i>For Work In Restricted Working Space, Add</i>	385.46	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,543.00	819.41
		<i>For Work In Restricted Working Space, Add</i>	409.63	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,768.90	917.32
		<i>For Work In Restricted Working Space, Add</i>	458.66	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,668.01	1,208.77
		<i>For Work In Restricted Working Space, Add</i>	604.39	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,456.46	1,785.68
		<i>For Work In Restricted Working Space, Add</i>	892.91	
27 15 13 00-0432		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,190.89	582.17
		<i>For Work In Restricted Working Space, Add</i>	291.23	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,411.60	603.26
		<i>For Work In Restricted Working Space, Add</i>	301.63	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,605.95	624.35
		<i>For Work In Restricted Working Space, Add</i>	312.02	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,811.87	645.43
		<i>For Work In Restricted Working Space, Add</i>	322.87	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,043.12	688.36
		<i>For Work In Restricted Working Space, Add</i>	344.33	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,257.04	732.04
		<i>For Work In Restricted Working Space, Add</i>	366.02	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,356.86	775.73
		<i>For Work In Restricted Working Space, Add</i>	387.71	

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0440	MLF		8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,528.00	819.41
			<i>For Work In Restricted Working Space, Add</i>	409.63	
27 15 13 00-0441	MLF		9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,808.29	871.37
			<i>For Work In Restricted Working Space, Add</i>	435.59	
27 15 13 00-0442	MLF		12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,254.84	1,079.24
			<i>For Work In Restricted Working Space, Add</i>	539.66	
27 15 13 00-0443	MLF		24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,841.75	1,594.38
			<i>For Work In Restricted Working Space, Add</i>	797.34	
27 15 13 00-0444			#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0445	MLF		1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,037.75	512.13
			<i>For Work In Restricted Working Space, Add</i>	256.22	
27 15 13 00-0446	MLF		2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,214.32	530.96
			<i>For Work In Restricted Working Space, Add</i>	265.48	
27 15 13 00-0447	MLF		3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,321.22	549.78
			<i>For Work In Restricted Working Space, Add</i>	274.74	
27 15 13 00-0448	MLF		4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,466.12	567.86
			<i>For Work In Restricted Working Space, Add</i>	284.01	
27 15 13 00-0449	MLF		5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,631.48	606.27
			<i>For Work In Restricted Working Space, Add</i>	303.21	
27 15 13 00-0450	MLF		6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,796.10	644.68
			<i>For Work In Restricted Working Space, Add</i>	322.19	
27 15 13 00-0451	MLF		8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,189.44	720.75
			<i>For Work In Restricted Working Space, Add</i>	360.38	
27 15 13 00-0452	MLF		12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,836.56	949.70
			<i>For Work In Restricted Working Space, Add</i>	474.92	
27 15 13 00-0453	MLF		24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,707.55	1,403.09
			<i>For Work In Restricted Working Space, Add</i>	701.54	
27 15 13 00-0454			#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0455	MLF		1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	906.15	466.19
			<i>For Work In Restricted Working Space, Add</i>	232.94	
27 15 13 00-0456	MLF		2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,025.39	482.76
			<i>For Work In Restricted Working Space, Add</i>	241.30	
27 15 13 00-0457	MLF		3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,222.87	549.78
			<i>For Work In Restricted Working Space, Add</i>	274.74	
27 15 13 00-0458	MLF		4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,361.33	577.96
			<i>For Work In Restricted Working Space, Add</i>	288.98	
27 15 13 00-0459	MLF		5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,496.53	606.27
			<i>For Work In Restricted Working Space, Add</i>	303.21	
27 15 13 00-0460	MLF		6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,636.64	644.68
			<i>For Work In Restricted Working Space, Add</i>	322.19	
27 15 13 00-0461	MLF		8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,797.13	717.43
			<i>For Work In Restricted Working Space, Add</i>	358.79	
27 15 13 00-0462	MLF		12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,229.27	863.85
			<i>For Work In Restricted Working Space, Add</i>	431.77	
27 15 13 00-0463	MLF		24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,311.15	1,275.80
			<i>For Work In Restricted Working Space, Add</i>	637.83	
27 15 13 00-0464	MLF		25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,495.35	1,305.93
			<i>For Work In Restricted Working Space, Add</i>	652.97	
27 15 13 00-0465	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,150.28	1,520.58
			<i>For Work In Restricted Working Space, Add</i>	760.29	
27 15 13 00-0466	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,451.35	1,627.52
			<i>For Work In Restricted Working Space, Add</i>	813.83	
27 15 13 00-0467	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,358.74	2,034.21
			<i>For Work In Restricted Working Space, Add</i>	1,016.95	
27 15 13 00-0468	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,249.23	2,678.14
			<i>For Work In Restricted Working Space, Add</i>	1,338.91	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0469		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	784.88	419.50
		<i>For Work In Restricted Working Space, Add</i>	209.67	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	841.40	434.55
		<i>For Work In Restricted Working Space, Add</i>	217.13	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	916.64	449.62
		<i>For Work In Restricted Working Space, Add</i>	224.81	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	999.22	464.69
		<i>For Work In Restricted Working Space, Add</i>	232.49	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,104.49	496.31
		<i>For Work In Restricted Working Space, Add</i>	248.08	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,219.03	525.68
		<i>For Work In Restricted Working Space, Add</i>	262.99	
27 15 13 00-0476		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,423.49	1,304.42
		<i>For Work In Restricted Working Space, Add</i>	652.06	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,713.12	1,351.12
		<i>For Work In Restricted Working Space, Add</i>	675.56	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,972.80	1,397.81
		<i>For Work In Restricted Working Space, Add</i>	699.06	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,245.41	1,446.01
		<i>For Work In Restricted Working Space, Add</i>	723.01	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,586.43	1,542.42
		<i>For Work In Restricted Working Space, Add</i>	770.91	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,908.43	1,638.82
		<i>For Work In Restricted Working Space, Add</i>	819.26	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,297.76	1,834.63
		<i>For Work In Restricted Working Space, Add</i>	917.32	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,682.64	2,417.56
		<i>For Work In Restricted Working Space, Add</i>	1,208.78	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,432.85	3,571.36
		<i>For Work In Restricted Working Space, Add</i>	1,785.83	
27 15 13 00-0487		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,161.68	1,164.34
		<i>For Work In Restricted Working Space, Add</i>	582.47	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,417.03	1,206.52
		<i>For Work In Restricted Working Space, Add</i>	603.26	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,646.03	1,248.69
		<i>For Work In Restricted Working Space, Add</i>	624.05	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,888.09	1,290.87
		<i>For Work In Restricted Working Space, Add</i>	645.74	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,190.89	1,376.72
		<i>For Work In Restricted Working Space, Add</i>	688.67	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,477.11	1,464.09
		<i>For Work In Restricted Working Space, Add</i>	732.05	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,649.23	1,551.45
		<i>For Work In Restricted Working Space, Add</i>	775.43	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,893.43	1,638.82
		<i>For Work In Restricted Working Space, Add</i>	819.26	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,260.25	1,742.75
		<i>For Work In Restricted Working Space, Add</i>	871.18	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	5,053.69	2,158.48
		<i>For Work In Restricted Working Space, Add</i>	.....	1,079.31	
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	7,499.55	3,188.76
		<i>For Work In Restricted Working Space, Add</i>	.....	1,594.68	
27 15 13 00-0499		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	(27 15 13 00-0476)		
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	1,891.81	1,024.26
		<i>For Work In Restricted Working Space, Add</i>	.....	512.43	
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,099.25	1,061.92
		<i>For Work In Restricted Working Space, Add</i>	.....	530.96	
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,237.03	1,099.58
		<i>For Work In Restricted Working Space, Add</i>	.....	549.49	
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,412.80	1,135.72
		<i>For Work In Restricted Working Space, Add</i>	.....	568.01	
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,642.19	1,212.55
		<i>For Work In Restricted Working Space, Add</i>	.....	606.42	
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,870.06	1,289.36
		<i>For Work In Restricted Working Space, Add</i>	.....	644.38	
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,390.68	1,441.49
		<i>For Work In Restricted Working Space, Add</i>	.....	720.75	
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	4,419.65	1,899.40
		<i>For Work In Restricted Working Space, Add</i>	.....	949.85	
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	6,046.01	2,806.17
		<i>For Work In Restricted Working Space, Add</i>	.....	1,403.08	
27 15 13 00-0509		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	(27 15 13 00-0476)		
27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	1,682.63	932.38
		<i>For Work In Restricted Working Space, Add</i>	.....	465.89	
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	1,829.74	965.52
		<i>For Work In Restricted Working Space, Add</i>	.....	482.61	
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,138.68	1,099.58
		<i>For Work In Restricted Working Space, Add</i>	.....	549.49	
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,324.58	1,155.91
		<i>For Work In Restricted Working Space, Add</i>	.....	577.95	
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,507.24	1,212.55
		<i>For Work In Restricted Working Space, Add</i>	.....	606.42	
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,710.60	1,289.36
		<i>For Work In Restricted Working Space, Add</i>	.....	644.38	
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,993.10	1,434.87
		<i>For Work In Restricted Working Space, Add</i>	.....	717.59	
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,668.51	1,727.68
		<i>For Work In Restricted Working Space, Add</i>	.....	863.54	
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	5,437.23	2,551.61
		<i>For Work In Restricted Working Space, Add</i>	.....	1,275.65	
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	5,671.88	2,611.86
		<i>For Work In Restricted Working Space, Add</i>	.....	1,305.92	
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	6,684.59	3,041.15
		<i>For Work In Restricted Working Space, Add</i>	.....	1,520.58	
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	7,164.13	3,255.03
		<i>For Work In Restricted Working Space, Add</i>	.....	1,627.67	
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	8,748.57	4,068.42
		<i>For Work In Restricted Working Space, Add</i>	.....	2,033.90	
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	11,712.25	5,356.28
		<i>For Work In Restricted Working Space, Add</i>	.....	2,677.82	
27 15 13 00-0524		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	(27 15 13 00-0476)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,483.78 419.34	838.99
27 15 13 00-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,565.16 434.26	869.12
27 15 13 00-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,666.01 449.62	899.24
27 15 13 00-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,774.20 464.99	929.36
27 15 13 00-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,931.43 496.16	992.63
27 15 13 00-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,095.68 525.99	1,051.38
27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench <small>(27 15 13 00-0276)</small> Note: Excludes excavation.		
27 15 13 00-0532 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,529.31	
27 15 13 00-0533 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,975.91	
27 15 13 00-0534 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,365.41	
27 15 13 00-0535 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,778.46	
27 15 13 00-0536 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,208.00	
27 15 13 00-0537 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,597.18	
27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) <small>(27 15 13 00-0276)</small>		
27 15 13 00-0539 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,591.47	419.67
27 15 13 00-0540 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,080.47	449.62
27 15 13 00-0541 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,745.46	568.41
27 15 13 00-0542 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,354.27	657.43
27 15 13 00-0543 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	5,669.29	749.34
27 15 13 00-0544 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	6,801.93	957.33
27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0546 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,153.88	582.17
27 15 13 00-0547 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,437.00	603.26
27 15 13 00-0548 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,633.91	624.35
27 15 13 00-0549 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,734.81	645.43
27 15 13 00-0550 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,119.57	688.36
27 15 13 00-0551 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,299.01	732.04
27 15 13 00-0552 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,919.09	819.41
27 15 13 00-0553 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,599.88	1,079.24
27 15 13 00-0554 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,484.59	1,594.38
27 15 13 00-0555 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	992.77	512.13
27 15 13 00-0556 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,224.76	530.96
27 15 13 00-0557 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,415.32	549.78
27 15 13 00-0558 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,505.75	567.86
27 15 13 00-0559 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,833.85	606.27
27 15 13 00-0560 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,075.15	644.68
27 15 13 00-0561 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,347.00	720.75
27 15 13 00-0562 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,024.60	949.70
27 15 13 00-0563 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,881.41	1,403.09
27 15 13 00-0564 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	871.43	466.19
27 15 13 00-0565 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,016.67	482.76
27 15 13 00-0566 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,157.23	499.32
27 15 13 00-0567 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,243.20	516.65

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0568	MLF		5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,358.55	551.29
27 15 13 00-0569	MLF		6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,490.37	585.94
27 15 13 00-0570	MLF		8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,669.48	655.23
27 15 13 00-0571	MLF		12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,319.64	863.85
27 15 13 00-0572	MLF		24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,540.34	1,275.80
27 15 13 00-0573	MLF		25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,750.29	1,305.93
27 15 13 00-0574	MLF		36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,440.98	1,520.58
27 15 13 00-0575	MLF		40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,787.61	1,627.52
27 15 13 00-0576	MLF		50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,739.54	2,034.21
27 15 13 00-0577	MLF		100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,788.09	2,678.14
27 15 13 00-0578	MLF		250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	15,176.14	4,933.02
27 15 13 00-0579	MLF		500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	23,276.92	6,528.15
27 15 13 00-0580	MLF		750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,383.48	8,226.46
27 15 13 00-0581	MLF		1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	44,323.90	11,284.18
27 15 13 00-0582	MLF		1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	837.22	466.19
27 15 13 00-0583	MLF		2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	940.16	482.76
27 15 13 00-0584	MLF		3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,040.12	499.32
27 15 13 00-0585	MLF		4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,105.42	516.65
27 15 13 00-0586	MLF		5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,200.11	551.29
27 15 13 00-0587	MLF		6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,305.05	585.94
27 15 13 00-0588	MLF		8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,461.41	655.23
27 15 13 00-0589	MLF		12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,002.41	863.85
27 15 13 00-0590	MLF		24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,030.75	1,275.80
27 15 13 00-0591	MLF		25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,183.24	1,305.93
27 15 13 00-0592	MLF		36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,767.93	1,520.58
27 15 13 00-0593	MLF		40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,039.99	1,627.52
27 15 13 00-0594	MLF		50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,892.88	2,034.21
27 15 13 00-0595	MLF		100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,590.00	2,678.14
27 15 13 00-0596	MLF		250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	12,640.67	4,933.02
27 15 13 00-0597	MLF		500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,800.51	6,528.15
27 15 13 00-0598	MLF		750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,002.83	8,226.46
27 15 13 00-0599	MLF		1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	35,112.28	11,284.18

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0276)

27 15 13 00-0601	MLF		1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,236.48	582.17
27 15 13 00-0602	MLF		2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,481.86	603.26
27 15 13 00-0603	MLF		3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,626.45	624.35
27 15 13 00-0604	MLF		4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,826.77	645.43
27 15 13 00-0605	MLF		5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,046.42	688.36
27 15 13 00-0606	MLF		6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,264.56	732.04
27 15 13 00-0607	MLF		8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,794.72	819.41
27 15 13 00-0608	MLF		12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,613.33	1,079.24
27 15 13 00-0609	MLF		24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,406.42	1,594.38
27 15 13 00-0610	MLF		1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,079.90	512.13

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611	MLF			2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,289.89	530.96
27 15 13 00-0612	MLF			3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,414.23	549.78
27 15 13 00-0613	MLF			4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,585.30	567.86
27 15 13 00-0614	MLF			5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,773.91	606.27
27 15 13 00-0615	MLF			6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,961.79	644.68
27 15 13 00-0616	MLF			8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,416.15	720.75
27 15 13 00-0617	MLF			12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,125.07	949.70
27 15 13 00-0618	MLF			24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,674.81	1,403.09
27 15 13 00-0619	MLF			1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	935.90	466.19
27 15 13 00-0620	MLF			2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,115.85	482.76
27 15 13 00-0621	MLF			3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,237.17	499.32
27 15 13 00-0622	MLF			4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,469.91	516.65
27 15 13 00-0623	MLF			5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,655.45	551.29
27 15 13 00-0624	MLF			6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,043.25	585.94
27 15 13 00-0625	MLF			8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,283.11	655.23
27 15 13 00-0626	MLF			12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,850.19	863.85
27 15 13 00-0627	MLF			24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,325.00	1,275.80
27 15 13 00-0628	MLF			25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,622.15	1,305.93
27 15 13 00-0629	MLF			36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,531.24	1,520.58
27 15 13 00-0630	MLF			40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,937.08	1,627.52
27 15 13 00-0631	MLF			50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,041.27	2,034.21
27 15 13 00-0632	MLF			100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,630.18	2,678.14
27 15 13 00-0633	MLF			250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	19,074.94	4,933.02
27 15 13 00-0634	MLF			500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	30,160.17	6,528.15
27 15 13 00-0635	MLF			750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,193.73	8,226.46
27 15 13 00-0636	MLF			1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	58,487.12	11,283.42
27 15 13 00-0637	MLF			1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	878.45	466.19
27 15 13 00-0638	MLF			2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,003.61	482.76
27 15 13 00-0639	MLF			3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,091.27	499.32
27 15 13 00-0640	MLF			4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,250.44	516.65
27 15 13 00-0641	MLF			5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,390.03	551.29
27 15 13 00-0642	MLF			6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,658.72	585.94
27 15 13 00-0643	MLF			8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,853.95	655.23
27 15 13 00-0644	MLF			12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,341.80	863.85
27 15 13 00-0645	MLF			24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,532.68	1,275.80
27 15 13 00-0646	MLF			25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,740.95	1,305.93
27 15 13 00-0647	MLF			36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,451.36	1,520.58
27 15 13 00-0648	MLF			40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,775.29	1,627.52
27 15 13 00-0649	MLF			50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,725.57	2,034.21
27 15 13 00-0650	MLF			100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,768.35	2,678.14
27 15 13 00-0651	MLF			250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	15,134.43	4,933.02
27 15 13 00-0652	MLF			500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	23,203.50	6,528.15
27 15 13 00-0653	MLF			750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,278.44	8,226.46
27 15 13 00-0654	MLF			1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	44,172.88	11,284.18

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655			Sound System Cables <small>(27 15 13)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656			Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0655)</small>		
27 15 13 00-0657			Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0658	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,284.65	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0659	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,206.99	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0660	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,147.08	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0661	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,212.59	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0662	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,423.15	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0663	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,633.01	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0664	MLF		4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,424.03	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0665	MLF		4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,322.93	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0666			Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>		
27 15 13 00-0667	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,316.74	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0668	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,227.40	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0669	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,176.83	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0670	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,261.21	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0671	MLF		8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,439.48	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0672	MLF		2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,419.81	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0673	MLF		2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,296.24	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0674	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,506.30	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0675	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,715.78	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0676	MLF		2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,202.18	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0677	MLF		2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,243.92	527.19
			<i>For Work In Restricted Working Space, Add</i>	316.32	
27 15 13 00-0678			Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small>		
27 15 13 00-0679			Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small>		
27 15 13 00-0680	MLF		2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	757.45	263.59
27 15 13 00-0681	MLF		2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	679.79	263.59
27 15 13 00-0682	MLF		2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	619.88	263.59
27 15 13 00-0683	MLF		4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	685.39	263.59
27 15 13 00-0684	MLF		4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	895.95	263.59
27 15 13 00-0685	MLF		6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,105.81	263.59
27 15 13 00-0686	MLF		4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	896.83	263.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069	MLF		12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,098.12	297.01
27 15 23 00-0070	MLF		18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,336.12	346.52
27 15 23 00-0071	MLF		24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,915.16	346.52
27 15 23 00-0072	MLF		36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,659.32	346.52
27 15 23 00-0073	MLF		48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,709.52	346.52
27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0063)					
27 15 23 00-0075	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,746.22	297.01
27 15 23 00-0076	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,140.72	297.01
27 15 23 00-0077	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,791.16	297.01
27 15 23 00-0078	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,757.90	297.01
27 15 23 00-0079	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,278.27	297.01
27 15 23 00-0080	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,574.05	346.52
27 15 23 00-0081	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,232.04	346.52
27 15 23 00-0082	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,013.41	346.52
27 15 23 00-0083	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,266.12	346.52
27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)					
27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)					
27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)					
27 15 23 00-0087	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	814.62	297.01
27 15 23 00-0088	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	819.45	297.01
27 15 23 00-0089	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,072.63	297.01
27 15 23 00-0090	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,102.26	297.01
			<i>For Aluminum Armored Cable, Add</i>	851.78	
			<i>For Steel Armored Cable, Add</i>	5,172.73	
27 15 23 00-0091	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,251.40	297.01
27 15 23 00-0092	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,279.30	297.01
			<i>For Aluminum Armored Cable, Add</i>	877.95	
			<i>For Steel Armored Cable, Add</i>	5,544.37	
27 15 23 00-0093	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,134.32	346.52
27 15 23 00-0094	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,093.12	346.52
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-218.87	
			<i>For Steel Armored Cable, Add</i>	5,660.23	
27 15 23 00-0095	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,630.95	346.52
27 15 23 00-0096	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,809.72	346.52
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-556.89	
			<i>For Steel Armored Cable, Add</i>	6,969.56	
27 15 23 00-0097	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,264.54	346.52
27 15 23 00-0098	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,817.83	346.52
27 15 23 00-0099	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,045.87	346.52
27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)					
27 15 23 00-0101	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	808.06	297.01
27 15 23 00-0102	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	922.35	297.01
27 15 23 00-0103	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,184.14	297.01
27 15 23 00-0104	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,451.18	297.01
			<i>For Aluminum Armored Cable, Add</i>	829.48	
			<i>For Steel Armored Cable, Add</i>	1,162.73	
27 15 23 00-0105	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,707.05	297.01
27 15 23 00-0106	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,929.36	297.01
			<i>For Aluminum Armored Cable, Add</i>	1,064.20	
			<i>For Steel Armored Cable, Add</i>	1,442.48	
27 15 23 00-0107	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,449.43	346.52

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
27 15	23 00-0183	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,650.02 198.01	396.02
27 15	23 00-0184	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,079.02 1,102.25 1,457.82 198.01	396.02
27 15	23 00-0185	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,271.53 222.76	445.52
27 15	23 00-0186	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,822.53 829.93 829.93 222.76	445.52
27 15	23 00-0187	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,362.53 222.76	445.52
27 15	23 00-0188	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,902.53 1,502.57 222.76	445.52
27 15	23 00-0189	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,442.53 222.76	445.52
27 15	23 00-0190	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,982.53 222.76	445.52
27 15	23 00-0191	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	13,073.53 6,010.56 222.76	445.52
27 15	23 00-0192	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,236.03 247.51	495.02
27 15	23 00-0193	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	19,316.03 247.51	495.02
27 15	23 00-0194	62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0194)		
27 15	23 00-0195	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	990.49 198.01	396.02
27 15	23 00-0196	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,029.62 198.01	396.02
27 15	23 00-0197	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,249.07 198.01	396.02
27 15	23 00-0198	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,480.07 198.01	396.02
27 15	23 00-0199	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,699.52 198.01	396.02
27 15	23 00-0200	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,149.97 198.01	396.02
27 15	23 00-0201	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,347.98 222.76	445.52
27 15	23 00-0202	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,976.53 222.76	445.52
27 15	23 00-0203	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,593.53 222.76	445.52
27 15	23 00-0204	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,210.53 222.76	445.52
27 15	23 00-0205	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,827.53 222.76	445.52
27 15	23 00-0206	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,444.53 222.76	445.52
27 15	23 00-0207	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,690.08 222.76	445.52
27 15	23 00-0208	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	17,006.58 247.51	495.02
27 15	23 00-0209	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	20,240.58 247.51	495.02
27 15	23 00-0210	Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)		
27 15	23 00-0211	Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0211)		
27 15	23 00-0212	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,758.55 198.01	396.02

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,444.30 877.95 5,544.37 198.01	396.02
27 15 23 00-0250	MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,299.33 222.76	445.52
27 15 23 00-0251	MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,258.13 -218.87 5,660.23 222.76	445.52
27 15 23 00-0252	MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,795.96 222.76	445.52
27 15 23 00-0253	MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,974.73 -556.89 6,969.56 222.76	445.52
27 15 23 00-0254	MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,429.55 222.76	445.52
27 15 23 00-0255	MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,982.84 222.76	445.52
27 15 23 00-0256	MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,210.88 222.76	445.52
27 15 23 00-0257	50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0258	MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	973.06 198.01	396.02
27 15 23 00-0259	MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,087.35 198.01	396.02
27 15 23 00-0260	MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,349.14 198.01	396.02
27 15 23 00-0261	MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,616.18 829.48 1,162.73 198.01	396.02
27 15 23 00-0262	MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,872.05 198.01	396.02
27 15 23 00-0263	MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,094.36 1,064.20 1,442.48 198.01	396.02
27 15 23 00-0264	MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,614.44 222.76	445.52
27 15 23 00-0265	MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,513.29 1,612.46 1,612.46 222.76	445.52
27 15 23 00-0266	MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,398.67 222.76	445.52
27 15 23 00-0267	MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,284.05 1,623.58 222.76	445.52
27 15 23 00-0268	MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,169.43 222.76	445.52
27 15 23 00-0269	MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,054.81 222.76 222.76	445.52
27 15 23 00-0270	MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,839.04 222.76 3,245.05 222.76	445.52
27 15 23 00-0271	62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	988.72 198.01	396.02
27 15 23 00-0273	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,108.72 198.01	396.02
27 15 23 00-0274	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,383.60 198.01	396.02

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 23 00-0275	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 1,663.98 <i>For Work In Restricted Working Space, Add</i> 198.01	1,663.98	396.02
	27 15 23 00-0276	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 1,932.65 <i>For Work In Restricted Working Space, Add</i> 198.01	1,932.65	396.02
	27 15 23 00-0277	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 2,166.08 <i>For Work In Restricted Working Space, Add</i> 198.01	2,166.08	396.02
	27 15 23 00-0278	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 2,708.04 <i>For Work In Restricted Working Space, Add</i> 222.76	2,708.04	445.52
	27 15 23 00-0279	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 4,701.83 <i>For Work In Restricted Working Space, Add</i> 222.76	4,701.83	445.52
	27 15 23 00-0280	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 6,681.48 <i>For Work In Restricted Working Space, Add</i> 222.76	6,681.48	445.52
	27 15 23 00-0281	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 8,661.13 <i>For Work In Restricted Working Space, Add</i> 222.76	8,661.13	445.52
	27 15 23 00-0282	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 10,640.77 <i>For Work In Restricted Working Space, Add</i> 222.76	10,640.77	445.52
	27 15 23 00-0283	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 12,620.42 <i>For Work In Restricted Working Space, Add</i> 222.76	12,620.42	445.52
	27 15 23 00-0284	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 16,593.86 <i>For Work In Restricted Working Space, Add</i> 222.76	16,593.86	445.52
	27 15 23 00-0285			Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
	27 15 23 00-0286			Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
	27 15 23 00-0287	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 2,754.01 <i>For Work In Restricted Working Space, Add</i> 198.01	2,754.01	396.02
	27 15 23 00-0288	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 3,150.04 <i>For Work In Restricted Working Space, Add</i> 198.01	3,150.04	396.02
	27 15 23 00-0289	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 4,102.11 <i>For Work In Restricted Working Space, Add</i> 198.01	4,102.11	396.02
	27 15 23 00-0290	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 5,035.17 <i>For Work In Restricted Working Space, Add</i> 198.01	5,035.17	396.02
	27 15 23 00-0291	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 6,524.31 <i>For Work In Restricted Working Space, Add</i> 198.01	6,524.31	396.02
	27 15 23 00-0292	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 9,270.44 <i>For Work In Restricted Working Space, Add</i> 222.76	9,270.44	445.52
	27 15 23 00-0293	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 13,371.15 <i>For Work In Restricted Working Space, Add</i> 222.76	13,371.15	445.52
	27 15 23 00-0294	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 16,176.35 <i>For Work In Restricted Working Space, Add</i> 222.76	16,176.35	445.52
	27 15 23 00-0295	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 20,185.35 <i>For Work In Restricted Working Space, Add</i> 222.76	20,185.35	445.52
	27 15 23 00-0296			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
	27 15 23 00-0297	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 3,075.58 <i>For Work In Restricted Working Space, Add</i> 198.01	3,075.58	396.02
	27 15 23 00-0298	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 3,781.00 <i>For Work In Restricted Working Space, Add</i> 198.01	3,781.00	396.02
	27 15 23 00-0299	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 5,040.13 <i>For Work In Restricted Working Space, Add</i> 198.01	5,040.13	396.02
	27 15 23 00-0300	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 5,681.86 <i>For Work In Restricted Working Space, Add</i> 198.01	5,681.86	396.02
	27 15 23 00-0301	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 5,734.59 <i>For Work In Restricted Working Space, Add</i> 198.01	5,734.59	396.02
	27 15 23 00-0302	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 9,065.14 <i>For Work In Restricted Working Space, Add</i> 222.76	9,065.14	445.52
	27 15 23 00-0303	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 9,059.73 <i>For Work In Restricted Working Space, Add</i> 222.76	9,059.73	445.52
	27 15 23 00-0304	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 11,674.08 <i>For Work In Restricted Working Space, Add</i> 222.76	11,674.08	445.52
	27 15 23 00-0305	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed 18,518.97 <i>For Work In Restricted Working Space, Add</i> 222.76	18,518.97	445.52
	27 15 23 00-0306			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,196.36	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,937.05	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,259.14	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,932.96	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,988.32	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,481.27	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,475.59	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,220.66	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,407.79	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0316			Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)		
27 15 23 00-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,204.33	297.01
27 15 23 00-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,163.65	297.01
27 15 23 00-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,200.00	346.52
27 15 23 00-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	8,317.55	346.52
27 15 23 00-0322			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)		
27 15 23 00-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,469.72	297.01
27 15 23 00-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,200.99	297.01
27 15 23 00-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,210.96	346.52
27 15 23 00-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	10,865.02	346.52
27 15 23 00-0327			Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,369.33	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,328.65	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,365.01	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	8,482.56	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	
27 15 23 00-0333			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,634.72	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,365.99	396.02
			<i>For Work In Restricted Working Space, Add</i>	198.01	
27 15 23 00-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,375.97	445.52
			<i>For Work In Restricted Working Space, Add</i>	222.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,030.03 222.76	445.52
27 15 23 00-0338			Outdoor Fiber Optic Cable <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339			Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
27 15 23 00-0340			Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0339)</small>		
27 15 23 00-0341			Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,509.80 253.89	594.02
27 15 23 00-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,541.41 255.99	594.02
27 15 23 00-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,573.06 258.02	594.02
27 15 23 00-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,604.69 260.50	594.02
27 15 23 00-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,667.54 235.71	594.02
27 15 23 00-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,796.10 262.62	594.02
27 15 23 00-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,862.19 206.74	594.02
27 15 23 00-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,882.58 241.65	594.02
27 15 23 00-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,260.79 265.86	594.02
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,469.30 265.83	594.02
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,739.84 314.19	594.02
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,216.10 301.65	594.02
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,736.49 366.30	594.02
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,281.13 245.20	594.02
27 15 23 00-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,804.04 44.00	594.02
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,850.24 74.80	594.02
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,947.04 121.00	594.02
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,079.04 22.00	594.02
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,134.04 44.00	594.02
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,321.04 66.00	594.02
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,717.04 44.00	594.02
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,300.04 132.00	594.02
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,949.04 44.00	594.02
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,400.04 132.00	594.02
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,983.04 517.00	594.02
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,336.04 176.00	594.02
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,678.04 209.00	594.02
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,020.04 253.00	594.02
27 15 23 00-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,290.49 108.57	594.02
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,394.87 116.43	594.02
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,499.09 124.10	594.02
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,627.85 141.28	594.02

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,812.24 147.32	594.02
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,138.24 157.01	594.02
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,447.05 180.56	594.02
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,038.08 200.65	594.02
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,729.36 230.71	594.02
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,367.85 248.25	594.02
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,041.75 280.98	594.02
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,404.73 315.93	594.02
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,789.59 358.54	594.02
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,195.82 329.34	594.02
27 15 23 00-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0387)</small>		
27 15 23 00-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,690.81 200.63	594.02
27 15 23 00-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,752.45 287.97	594.02
27 15 23 00-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,770.95 275.98	594.02
27 15 23 00-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,844.78 229.74	594.02
27 15 23 00-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,867.82 274.58	594.02
27 15 23 00-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,971.30 260.42	594.02
27 15 23 00-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,064.07 263.51	594.02
27 15 23 00-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,212.08 334.16	594.02
27 15 23 00-0396	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,420.59 338.52	594.02
27 15 23 00-0397	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,628.30 350.70	594.02
27 15 23 00-0398	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,909.90 301.66	594.02
27 15 23 00-0399	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,365.39 393.42	594.02
27 15 23 00-0400	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,961.30 387.39	594.02
27 15 23 00-0401	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,448.95 309.44	594.02
27 15 23 00-0402			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0402)</small>		
27 15 23 00-0403	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,898.60 283.92	594.02
27 15 23 00-0404	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,114.38 159.00	594.02
27 15 23 00-0405	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,398.31 34.07	594.02
27 15 23 00-0406	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,534.59 56.78	594.02
27 15 23 00-0407	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,670.88 56.78	594.02
27 15 23 00-0408	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,988.87 68.14	594.02
27 15 23 00-0409	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,272.80 261.21	594.02
27 15 23 00-0410	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,886.08 511.06	594.02
27 15 23 00-0411	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,499.35 851.78	594.02
27 15 23 00-0412	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,010.42 936.95	594.02
27 15 23 00-0413	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,680.48 1,192.48	594.02
27 15 23 00-0414	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,077.39 1,760.34	594.02
27 15 23 00-0415	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,781.53 1,328.77	594.02
27 15 23 00-0416	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,587.29 3,236.74	594.02

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0417	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,360.97 136.28	594.02
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,463.19 147.32	594.02
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,565.23 158.35	594.02
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,667.44 169.36	594.02
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,932.22 182.17	594.02
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,191.85 213.47	594.02
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,509.99 231.86	594.02
27 15 23 00-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,125.78 286.48	594.02
27 15 23 00-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,753.08 328.23	594.02
27 15 23 00-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,382.55 365.50	594.02
27 15 23 00-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,044.42 407.59	594.02
27 15 23 00-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,387.53 480.60	594.02
27 15 23 00-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,121.10 496.83	594.02
27 15 23 00-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,137.04 512.88	594.02

27 15 23 00-0432 **Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0388)
 Note: Excludes trenching.

27 15 23 00-0433 **Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0432)

27 15 23 00-0434 **Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0433)

27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,427.29 253.89	
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,458.90 255.99	
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,490.55 258.02	
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,522.18 260.50	
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,585.03 235.71	
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,713.59 262.62	
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,779.68 206.74	
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,800.07 241.65	
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,178.28 265.86	
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,652.62 265.83	
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,971.52 314.19	
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,133.59 301.65	
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,653.98 366.30	
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,198.62 245.20	

27 15 23 00-0449 **50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0433)

27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,721.53 44.00	
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,767.73 74.80	
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,864.53 121.00	
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,996.53 22.00	
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,051.53 44.00	
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,238.53 66.00	
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,634.53 44.00	
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,217.53 132.00	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,866.53 44.00	
27 15 23 00-0459	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,317.53 132.00	
27 15 23 00-0460	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,900.53 517.00	
27 15 23 00-0461	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,253.53 176.00	
27 15 23 00-0462	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,595.53 209.00	
27 15 23 00-0463	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,937.53 253.00	
27 15 23 00-0464			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0465	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,207.98 108.57	
27 15 23 00-0466	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,312.36 116.43	
27 15 23 00-0467	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,416.58 124.10	
27 15 23 00-0468	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,545.34 141.28	
27 15 23 00-0469	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,729.73 147.32	
27 15 23 00-0470	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,055.73 157.01	
27 15 23 00-0471	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,364.54 180.56	
27 15 23 00-0472	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,955.57 200.65	
27 15 23 00-0473	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,646.85 230.71	
27 15 23 00-0474	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,285.34 248.25	
27 15 23 00-0475	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,959.24 280.98	
27 15 23 00-0476	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,322.22 315.93	
27 15 23 00-0477	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,707.08 358.54	
27 15 23 00-0478	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,113.31 329.34	
27 15 23 00-0479			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0432)</small>		
27 15 23 00-0480			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,608.30 200.63	
27 15 23 00-0482	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,669.94 287.97	
27 15 23 00-0483	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,688.44 275.98	
27 15 23 00-0484	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,762.27 229.74	
27 15 23 00-0485	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,785.31 274.58	
27 15 23 00-0486	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,888.79 260.42	
27 15 23 00-0487	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,981.56 263.51	
27 15 23 00-0488	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,129.57 334.16	
27 15 23 00-0489	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,338.08 338.52	
27 15 23 00-0490	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,545.79 350.70	
27 15 23 00-0491	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,827.39 301.66	
27 15 23 00-0492	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,282.88 393.42	
27 15 23 00-0493	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,878.79 387.39	
27 15 23 00-0494	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,366.44 309.44	
27 15 23 00-0495			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>		
27 15 23 00-0496	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,816.09 283.92	
27 15 23 00-0497	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,031.87 159.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,315.80 34.07	
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,452.08 56.78	
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,588.37 56.78	
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,906.36 68.14	
27 15 23 00-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,190.29 261.21	
27 15 23 00-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,803.57 511.06	
27 15 23 00-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,416.84 851.78	
27 15 23 00-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,927.91 936.95	
27 15 23 00-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,595.97 1,192.48	
27 15 23 00-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,994.88 1,760.34	
27 15 23 00-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,699.02 1,328.77	
27 15 23 00-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,504.78 3,236.74	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)

27 15 23 00-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,278.46 136.28	
27 15 23 00-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,380.68 147.32	
27 15 23 00-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,482.72 158.35	
27 15 23 00-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,584.93 169.36	
27 15 23 00-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,849.71 182.17	
27 15 23 00-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,109.34 213.47	
27 15 23 00-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,427.48 231.86	
27 15 23 00-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,043.27 286.48	
27 15 23 00-0519	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,670.57 328.23	
27 15 23 00-0520	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,300.04 365.50	
27 15 23 00-0521	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,961.91 407.59	
27 15 23 00-0522	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,305.02 480.60	
27 15 23 00-0523	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,735.97 496.83	
27 15 23 00-0524	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,054.53 512.88	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)

27 15 23 00-0528	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,006.27 169.81	2,314.32
27 15 23 00-0529	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,037.67 174.20	2,314.32
27 15 23 00-0530	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,069.49 178.49	2,314.32
27 15 23 00-0531	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,100.91 175.07	2,314.32
27 15 23 00-0532	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,163.74 204.10	2,314.32
27 15 23 00-0533	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,287.83 212.18	2,314.32
27 15 23 00-0534	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,382.47 234.52	2,314.32
27 15 23 00-0535	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,607.47 224.87	2,314.32
27 15 23 00-0536	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,804.24 261.25	2,314.32
27 15 23 00-0537	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,966.91 250.51	2,314.32
27 15 23 00-0538	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,169.83 286.41	2,314.32

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,702.39 290.90	2,314.32
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,273.77 347.12	2,314.32
27 15 23 00-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,410.75 372.73	2,314.32
27 15 23 00-0542			Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,183.92	495.02
27 15 23 00-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,103.39	495.02
27 15 23 00-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,151.66	495.02
27 15 23 00-0547			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)		
27 15 23 00-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,356.66	495.02
27 15 23 00-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,879.19	495.02
27 15 23 00-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,164.85	495.02
27 15 23 00-0551			Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,101.41	453.76
27 15 23 00-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,020.88	453.76
27 15 23 00-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,069.15	453.76
27 15 23 00-0556			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)		
27 15 23 00-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,274.15	453.76
27 15 23 00-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,796.68	453.76
27 15 23 00-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,082.34	453.76
27 15 33			Communications Coaxial Horizontal Cabling (27 15)		
			Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001			Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002			Coaxial Distribution Cable (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0003	MLF		RG-6/U Coaxial Distribution Cable, Installed In Conduit	1,695.67	241.00
27 15 33 00-0004	MLF		RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	6,241.40	241.00
27 15 33 00-0005	MLF		RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	3,294.72	254.56
27 15 33 00-0006	MLF		RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	4,148.60	254.56
27 15 33 00-0007	MLF		RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	3,693.45	301.25
27 15 33 00-0008	MLF		RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	5,344.79	301.25
27 15 33 00-0009	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	11,549.88	421.75
27 15 33 00-0010	MLF		RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	1,252.17	210.88
27 15 33 00-0011	MLF		RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	1,421.38	210.88
27 15 33 00-0012	MLF		RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	1,719.44	210.88
27 15 33 00-0013	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	4,193.53	421.75
27 15 33 00-0014	MLF		RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	2,042.67	210.88
27 15 33 00-0015	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,080.38	421.75
27 15 33 00-0016	MLF		1/2" Hard Line Coaxial, Installed In Conduit.....	1,716.69	301.25
27 15 33 00-0017			Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0018			Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0017)		
27 15 33 00-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,051.29	346.52
27 15 33 00-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,402.62	346.52
27 15 33 00-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	888.16	396.02
27 15 33 00-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,017.45	396.02
27 15 33 00-0023			Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0017)		
27 15 33 00-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,628.81 346.51	693.02
			<i>For Work In Restricted Working Space, Add</i>		
27 15 33 00-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,980.14 346.51	693.02
			<i>For Work In Restricted Working Space, Add</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114) <i>For Work In Restricted Working Space, Add</i>	1,548.19 396.02	792.03	
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120) <i>For Work In Restricted Working Space, Add</i>	3,677.48 396.02	792.03	

27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)

27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028)

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	4,700.41	1,127.59	
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	2,947.94	793.12	
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,529.05	467.92	
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,343.80	467.92	
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	2,001.85	731.14	

27 15 43 Communications Faceplates and Connectors (27 15)

27 15 43 00-0001 Plastic Communications Faceplates (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.84	2.07	
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.84	2.07	
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.84	2.07	
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.84	2.07	
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.84	2.07	
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	11.69	2.07	
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	11.69	2.07	
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	11.69	2.07	
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	11.69	2.07	
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	11.69	2.07	

27 15 43 00-0012 Stainless Steel Communications Faceplates (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0013 Stainless Steel Communications Faceplates (27 15 43 00-0012)

27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....	13.41	2.07	
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate.....	13.41	2.07	
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate.....	13.41	2.07	
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate.....	14.38	2.07	
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate.....	14.38	2.07	
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate.....	19.56	2.07	
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate.....	20.17	2.07	
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	23.42	2.07	
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	23.42	2.07	
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	23.42	2.07	

27 15 43 00-0024 Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0012)

27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	19.44	2.07	
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	19.44	2.07	
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	19.44	2.07	
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	19.44	2.07	
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	19.44	2.07	
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.47	2.07	
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.47	2.07	
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.47	2.07	
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	42.47	2.07	
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.47	2.07	

27 15 43 00-0035 Snap-In Modular Jacks (27 15 43)

Note: Includes termination.

27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack.....	23.41	8.27	
27 15 43 00-0037	EA	Cat 5E, Snap-In Modular Jack.....	24.74	8.27	
27 15 43 00-0038	EA	Cat 5E Shielded, Snap-In Modular Jack.....	28.72	8.27	
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack.....	28.72	8.27	
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack.....	33.18	8.27	
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack.....	33.85	8.27	
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack.....	16.94	4.13	
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack.....	26.43	8.27	
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack.....	29.80	8.27	
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack.....	36.43	8.27	
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack.....	4.76	2.07	
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack.....	5.66	2.07	
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack.....	19.76	6.20	

Note: Includes female to female connection.

1.29

For Gold Bulkhead, Add

27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	20.01	6.20	
Note: Includes female to female connection.					
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack.....	38.75	8.27	
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	48.51	8.27	
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	24.38	8.27	
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	26.93	4.13	
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack.....	28.36	8.27	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	31.97	8.27
27 15 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack	43.25	12.41
27 15 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	48.61	8.27
27 15 43 00-0058 Surface Mount Plastic Communication Boxes (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	24.12	10.34
27 15 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	24.72	10.34
27 15 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	28.88	10.34
27 15 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	33.82	10.34
27 15 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	39.01	10.34
27 15 43 00-0064 Wall Mounted Telephone Faceplates (27 15 43)		
Note: Includes standard telephone mounting studs.		
27 15 43 00-0065 Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0066 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	29.65	10.31
27 15 43 00-0067 Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0068 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	25.13	4.12
Note: Requires one snap-in modular jack.		
27 15 43 00-0069 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	43.43	10.31
27 15 43 00-0070 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	50.51	12.38
27 15 43 00-0071 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	24.14	4.12
Note: Requires one snap-in modular jack.		
27 15 43 00-0072 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	39.26	10.31
27 15 43 00-0073 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.45	12.38
27 15 53 Communications Cable Innerduct (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001 Indoor Innerduct (27 15 53)		
27 15 53 00-0002 Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,300.97	1,237.54
27 15 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,266.58	1,650.06
27 15 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,689.06	2,062.58
27 15 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,637.09	2,475.09
27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	4,969.66	825.03
27 15 53 00-0010 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	5,562.43	1,237.54
27 15 53 00-0011 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	7,018.06	1,650.06
27 15 53 00-0012 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	9,025.47	2,062.58
27 15 53 00-0013 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	10,862.10	2,475.09
27 15 53 00-0014 Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	4,126.00	1,650.06
For Work In Restricted Working Space, Add	990.04	
27 15 53 00-0017 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	5,091.61	2,062.58
For Work In Restricted Working Space, Add	1,237.55	
27 15 53 00-0018 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,514.09	2,475.09
For Work In Restricted Working Space, Add	1,485.05	
27 15 53 00-0019 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,462.11	2,887.61
For Work In Restricted Working Space, Add	1,732.56	
27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,794.69	1,237.54
27 15 53 00-0022 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,387.46	1,650.06
For Work In Restricted Working Space, Add	990.04	
27 15 53 00-0023 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,843.09	2,062.58
For Work In Restricted Working Space, Add	1,237.55	
27 15 53 00-0024 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,850.50	2,475.09
For Work In Restricted Working Space, Add	1,485.05	
27 15 53 00-0025 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	11,687.12	2,887.61
For Work In Restricted Working Space, Add	1,732.56	
27 15 53 00-0026 Outdoor Innerduct (27 15 53)		
27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028 MLF 1" Outdoor Innerduct, Installed In Conduit.....	3,090.11	1,237.54
27 15 53 00-0029 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,955.63	1,650.06
27 15 53 00-0030 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	5,060.33	2,062.58

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 53 00-0031	MLF 2" Outdoor Innerduct, Installed In Conduit.....	6,042.10	2,475.09
27 15 53 00-0032		Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
	27 15 53 00-0033	MLF 1" Outdoor Innerduct, Buried In Trench.....	2,265.08	
	27 15 53 00-0034	MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	3,130.60	
	27 15 53 00-0035	MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	4,235.30	
	27 15 53 00-0036	MLF 2" Outdoor Innerduct, Buried In Trench.....	5,217.07	
27 16		Communications Connecting Cords, Devices, and Adapters (27 10)		
27 16 16		Communications Media Converters, Adapters, and Transceivers (27 16)		
	27 16 16 00-0001	Fiber Optic Receivers (27 16 16)		
	27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles.....	764.05	41.25
	27 16 16 00-0003	Fiber Optic Transmitters (27 16 16)		
	27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles.....	764.04	41.25
	27 16 16 00-0005	Fiber Optic Repeaters (27 16 16)		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
	27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	846.54	82.51
	27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,312.93	165.01
	27 16 16 00-0008	Fiber Optic Transceivers (27 16 16)		
	27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range.....	850.62	165.01
	27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range.....	850.62	165.01
	27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver.....	1,123.81	247.50
	27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	422.27	61.88
27 16 19		Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)		
	27 16 19 00-0001	Fiber Optic Patch Cords (27 16 19)		
	27 16 19 00-0002	Simplex Fiber Optic Patch Cables (27 16 19 00-0001)		
	27 16 19 00-0003	Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0002)		
	27 16 19 00-0004	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	38.39	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0005	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	31.11	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0006	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	40.57	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0007	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	32.77	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0008	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	38.08	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0009	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	37.50	
		For Each Additional Meter In Length, Add	0.26	
	27 16 19 00-0010	Duplex Fiber Optic Patch Cables (27 16 19 00-0001)		
	27 16 19 00-0011	Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
	27 16 19 00-0012	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	67.65	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0013	EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	65.60	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0014	EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	72.89	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0015	EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	56.44	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0016	EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	67.04	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0017	EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	65.88	
		For Each Additional Meter In Length, Add	0.51	
	27 16 19 00-0018	Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
	27 16 19 00-0019	EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	50.82	
		For Each Additional Meter In Length, Add	1.48	
	27 16 19 00-0020	EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	55.58	
		For Each Additional Meter In Length, Add	1.48	
	27 16 19 00-0021	EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	56.07	
		For Each Additional Meter In Length, Add	1.48	
	27 16 19 00-0022	EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	57.60	
		For Each Additional Meter In Length, Add	1.48	
	27 16 19 00-0023	EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	51.03	
		For Each Additional Meter In Length, Add	1.48	
	27 16 19 00-0024	EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	57.87	
		For Each Additional Meter In Length, Add	1.48	

27 Communications

27 10 Structured Cabling

27 16 Communications Connecting Cords, Devices, and Adapters

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0025	EA		SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	68.19 1.48	
27 16 19 00-0026	EA		MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	46.64 1.48	
27 16 19 00-0027	EA		LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	56.98 1.48	
27 16 19 00-0028 Fiber Optic Cable Pig Tail ^(27 16 19)					
27 16 19 00-0029	EA		Simplex Fiber Optic Cable Pig Tail	57.94	28.87
27 16 19 00-0030	EA		Duplex Fiber Optic Cable Pig Tail	75.20	28.87
27 16 19 00-0031 Ethernet Patch Cords ^(27 16 19)					
27 16 19 00-0032	EA		3' Category 5E Patch Cables With Boots.....	12.90	
27 16 19 00-0033	EA		5' Category 5E Patch Cables With Boots.....	14.19	
27 16 19 00-0034	EA		7' Category 5E Patch Cables With Boots.....	15.51	
27 16 19 00-0035	EA		10' Category 5E Patch Cables With Boots.....	22.51	
27 16 19 00-0036	EA		15' Category 5E Patch Cables With Boots.....	28.11	
27 16 19 00-0037	EA		25' Category 5E Patch Cables With Boots.....	38.01	
27 16 19 00-0038	EA		3' Category 6 Patch Cables With Boots.....	14.44	
27 16 19 00-0039	EA		5' Category 6 Patch Cables With Boots.....	17.74	
27 16 19 00-0040	EA		7' Category 6 Patch Cables With Boots.....	17.81	
27 16 19 00-0041	EA		10' Category 6 Patch Cables With Boots.....	20.94	
27 16 19 00-0042	EA		15' Category 6 Patch Cables With Boots.....	27.62	
27 16 19 00-0043	EA		25' Category 6 Patch Cables With Boots.....	35.33	
27 16 19 00-0044	EA		50' Category 6 Patch Cables With Boots.....	57.04	
27 16 19 00-0045	EA		100' Category 6 Patch Cables With Boots.....	100.14	
27 16 19 00-0046	EA		3' Category 6A Patch Cables With Boots.....	27.86	
27 16 19 00-0047	EA		5' Category 6A Patch Cables With Boots.....	29.82	
27 16 19 00-0048	EA		7' Category 6A Patch Cables With Boots.....	31.29	
27 16 19 00-0049	EA		10' Category 6A Patch Cables With Boots.....	35.55	
27 16 19 00-0050	EA		15' Category 6A Patch Cables With Boots.....	42.98	
27 16 19 00-0051	EA		25' Category 6A Patch Cables With Boots.....	55.62	
27 16 19 00-0052	EA		50' Category 6A Patch Cables With Boots.....	83.98	
27 16 19 00-0053	EA		100' Category 6A Patch Cables With Boots.....	149.16	
27 16 19 00-0054	EA		3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06)	12.90	
27 16 19 00-0055	EA		5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06)	14.19	
27 16 19 00-0056	EA		7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06)	15.51	
27 16 19 00-0057	EA		10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06)	22.51	
27 16 19 00-0058	EA		15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06)	28.11	
27 16 19 00-0059	EA		25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06)	38.01	
27 16 19 00-0060	EA		3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06)	14.44	
27 16 19 00-0061	EA		5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06)	17.74	
27 16 19 00-0062	EA		7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06)	17.81	
27 16 19 00-0063	EA		10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06)	20.94	
27 16 19 00-0064	EA		15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06)	27.62	
27 16 19 00-0065	EA		25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06)	35.33	
27 16 19 00-0066	EA		3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09)	27.86	
27 16 19 00-0067	EA		5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09)	29.82	
27 16 19 00-0068	EA		7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09)	31.29	
27 16 19 00-0069	EA		10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09)	35.55	
27 16 19 00-0070	EA		15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09)	42.98	
27 16 19 00-0071	EA		25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09)	55.62	

27 20 Data Communications ⁽²⁷⁾

27 21 Data Communications Network Equipment ^(27 20)

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

27 21 16 00-0001 Fiber Optic Modems ^(27 21 16)					
27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	1,465.89	165.01
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel	2,885.75	165.01
27 21 16 00-0004 Ethernet Hubs and Switches ^(27 21 16)					
27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	2,830.06	124.05
27 21 16 00-0006	EA		16 Port Unmanaged Hub	444.89	82.71
27 21 16 00-0007	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	3,925.24	82.71
27 21 16 00-0008	EA		Power Supply (Cisco PWR-IE170W-PC-AC)	1,160.41	41.35

27 21 26 Data Communications Network Management ^(27 21)

27 21 26 00-0001 Data Communications Network Management ^(27 21 26)					
27 21 26 00-0002	EA		3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	440.40	20.63
27 21 26 00-0003	EA		2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	338.71	20.63
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	473.05	20.63
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	742.42	20.63
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	68.90	
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	327.91	12.38
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232).....	547.64	20.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0009	EA		VPN Router (Cisco 819HG).....	3,469.22	264.64
27 21 26 00-0010	EA		Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	2,367.97	264.64
27 21 26 00-0011	EA		WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	12,170.07	99.00
27 21 26 00-0012	EA		SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	380.00	
27 21 26 00-0013	EA		Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	8,264.38	99.00
27 21 26 00-0014	EA		Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	17,906.01	99.00
27 21 26 00-0015	EA		Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	421.67	8.27
27 21 26 00-0016	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	3,387.25	10.31
27 21 26 00-0017	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	2,680.62	10.31
27 21 26 00-0018	EA		13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	48.27	4.13
27 21 26 00-0019	EA		1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	157.51	41.25
27 21 26 00-0020	EA		Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	2,388.03	99.00
27 21 26 00-0021	EA		SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	499.99	
27 21 26 00-0022	EA		North America AC Type A Power Cable (Cisco CAB-TA-NA).....	16.33	4.13
27 21 26 00-0023	EA		350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	209.63	10.31
27 21 26 00-0024	EA		Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	520.68	10.34
27 21 26 00-0025	EA		1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM).....	100.26	4.13
27 21 26 00-0026	EA		Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	2,815.02	99.00
27 21 26 00-0027	EA		SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	501.99	
27 21 26 00-0028	EA		IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	445.63	10.31
27 21 26 00-0029	EA		IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	452.63	10.31
27 21 26 00-0030	EA		4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	975.76	99.00
27 21 26 00-0031	EA		Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	245.68	10.34
27 21 26 00-0032	EA		4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,150.68	10.34
27 21 26 00-0033	EA		Router (CISCO IR829).....	1,032.71	41.35

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002	EA		12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	97.39	4.12
27 21 29 00-0003	EA		16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	107.73	4.12
27 21 29 00-0004	EA		24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	127.75	4.12
27 21 29 00-0005	EA		36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	133.89	4.12
27 21 29 00-0006	EA		48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	146.08	5.16
27 21 29 00-0007	EA		24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	138.99	4.12
27 21 29 00-0008	EA		48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	174.44	5.16
27 21 29 00-0009	EA		Rack Mount Rear Cable Management Bar.....	46.01	5.16

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002	EA		Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	3,168.85	123.75
27 21 33 00-0003	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	7,596.45	123.75
27 21 33 00-0004	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	7,596.45	123.75
27 21 33 00-0005	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	1,247.26	123.75
27 21 33 00-0006	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	1,472.62	143.45
27 21 33 00-0007	EA		Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	4,081.18	143.45
27 21 33 00-0008	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	6,189.58	143.45
27 21 33 00-0009	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	6,189.58	143.45
27 21 33 00-0010	EA		50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	1,272.51	47.81
27 21 33 00-0011	EA		100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	1,290.21	47.81
27 21 33 00-0012	EA		Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	123.08	23.91
27 21 33 00-0013	EA		FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,100.00	
27 21 33 00-0014	EA		1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	396.51	41.25
27 21 33 00-0015	EA		Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	329.26	41.25
27 21 33 00-0016	EA		Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	59.20	16.50
27 21 33 00-0017	EA		AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	51.25	
27 21 33 00-0018	EA		AirLink GX400 Power Cable (Sierra Wireless 2000380).....	30.06	
27 21 33 00-0019	EA		Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	212.45	41.25
27 21 33 00-0020	EA		Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	213.75	41.25
27 21 33 00-0021	EA		2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	290.51	41.35
27 21 33 00-0022	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	730.26	62.03
27 21 33 00-0023	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	932.67	62.03
27 21 33 00-0024	EA		Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	53.10	12.38
27 21 33 00-0025	EA		Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	204.10	47.81
27 21 33 00-0026	EA		Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	652.49	47.81
27 21 33 00-0027	EA		Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,177.71	41.35
27 21 33 00-0028	EA		Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	1,615.58	41.25

27 50 Distributed Communications and Monitoring Systems (27)

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 51 Distributed Audio-Video Communications Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**27 51 Distributed Audio-Video Communications Systems** (27 50)**27 51 17 Video Intercom and Exterior Gate Control System** (27 51)**27 51 17 00-0001 Video Intercom And Exterior Gate Control System** (27 51 17)

27 51 17 00-0002	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,060.53	103.37
27 51 17 00-0003	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	399.93	103.37
27 51 17 00-0004	EA	Central Exchange Unit (Aiphone AX-084C)	1,311.09	51.69
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-248C)	1,801.46	51.69
27 51 17 00-0006	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	127.17	20.68
27 51 17 00-0007	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	418.26	20.68
27 51 17 00-0008	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	473.64	20.68
27 51 17 00-0009	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL)	124.70	10.34
		Note: UL Listed		
27 51 17 00-0010	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL)	136.86	10.34
		Note: UL Listed		
27 51 17 00-0011	EA	IP Video Master Station (Aiphone IX-MV).....	1,365.84	103.37
27 51 17 00-0012	EA	Handset Only For IX-MV (Aiphone 285999)	58.49	4.13
27 51 17 00-0013	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	655.25	103.37
27 51 17 00-0014	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P).....	638.84	20.68
27 51 17 00-0015	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	195.36	20.68
27 51 17 00-0016	EA	Stainless Steel Surface Mount Box, IS-DVF, IS-IPDVF And IS-SS Compatible (Aiphone SBX-ISDVF)	213.34	20.68
27 51 17 00-0017	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF).....	219.67	20.68
27 51 17 00-0018	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	255.21	31.01
27 51 17 00-0019	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	58.25	10.34

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Accessories (27 51 43)

27 51 43 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18).....	677.72	82.71
27 51 43 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	173.21	20.63
27 51 43 00-0004	EA	Microphone Jack For Audio/Video System	79.08	20.68
27 51 43 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	127.42	20.68
27 51 43 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	237.74	20.68
27 51 43 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	226.40	10.34
27 51 43 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	510.00	10.34
27 51 43 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A).....	75.51	20.68
27 51 43 00-0010	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	52.39	20.68

END OF SECTION 27

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security ⁽²⁸⁾

28 05 26 Grounding and Bonding for Electronic Safety and Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicator Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,127.12	172.02
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,425.10	223.59
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	7,931.38	490.07
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	3,762.55	417.63
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	899.18	228.45
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator	2,691.11	343.96

28 15 19 Access Control Remote Devices ^(28 15)

28 15 19 13 Wireless Access Control Devices ^(28 15 19)

28 15 19 13-0001 Personnel Assistance System (PAS) ^(28 15 19 13)

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only	124.05	62.03
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only	82.71	41.35
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only	82.71	41.35
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only	124.05	62.03
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only	82.71	41.35
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only	82.71	41.35
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only	27.57	13.78
28 15 19 13-0009	EA	DAD Covers, Labor Only	82.71	41.35
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only	41.35	20.68
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only	62.03	31.01
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only	165.40	82.71
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only.....	82.71	41.35

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	102.23	20.63
		Note: Controls mount to a standard mullion.		
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	107.31	20.63
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators	136.53	20.63
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	129.33	20.63
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	630.23	61.88
		Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators	212.76	20.63
		Note: Includes open, close and stop controls.		

28 16 11 00-0011 Key Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0013	EA		Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	146.06	20.63
28 16 11 00-0014			Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015	EA		Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls	222.26	41.25
28 16 11 00-0016	EA		Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	356.92	41.25
28 16 11 00-0017	EA		Ace Key, Key Controls, Exterior Stand Alone Access Controls	356.92	41.25
28 16 11 00-0018	EA		Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	550.03	41.25
28 16 11 00-0019			Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0020			Interior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)		
28 16 11 00-0021	EA		One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	206.41	20.63
28 16 11 00-0022			Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls	863.74	82.51
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	157.21	
28 16 11 00-0025			Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022) Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	1,049.52	92.81
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	194.38	
28 16 11 00-0027			RF Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0028			Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	508.02	82.51
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	576.63	82.51
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	642.69	82.51
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	713.83	82.51
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	779.90	82.51
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	851.04	82.51
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	917.10	82.51
28 16 11 00-0037			RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	43.19	
			<i>For >40 To 110, Deduct</i>	-2.16	
			<i>For >110, Deduct</i>	-4.32	
			<i>For Built In Proximity Tags, Add</i>	8.64	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	45.74	
			<i>For >40 To 110, Deduct</i>	-2.29	
			<i>For >110, Deduct</i>	-4.57	
			<i>For Built In Proximity Tags, Add</i>	9.15	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	48.28	
			<i>For >40 To 110, Deduct</i>	-2.41	
			<i>For >110, Deduct</i>	-4.83	
			<i>For Built In Proximity Tags, Add</i>	9.66	
28 16 11 00-0041			Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls	184.73	61.88
			Note: Includes 15' of coax cable.		
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls	377.83	61.88
			Note: Includes 20' of coax cable.		
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....	342.26	61.88
			Note: Includes 15' of coax cable.		
28 16 11 00-0045			Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046			Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048			DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	990.79	82.51
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,079.72	82.51
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,282.98	82.51
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	584.25	82.51
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0058)		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	727.72	82.51
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators	98.42	20.63
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 EA Request To Exit Motion Detector (Bosch Security Systems DS160)	102.60	16.50
28 16 11 00-0064 Wiegand Output Access Controls (28 16 11)		
Note: Excludes controllers.		
28 16 11 00-0065 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0067 DKS, Proximity Cards (28 16 11 00-0066)		
28 16 11 00-0068 EA Clamshell Type, DKS Proximity Card (DKS 170).....	6.76	
28 16 11 00-0069 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	11.15	
28 16 11 00-0070 EA DKS Proximity Key Fob (DKS 50).....	11.74	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 150).....	66.40	
Note: Battery powered tag to boost signal.		
28 16 11 00-0072 EA Active Tag, DKS Proximity Tag (DKS 200).....	86.56	
Note: Battery powered tag to boost signal.		
28 16 11 00-0073 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0074 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	341.43	103.12
28 16 11 00-0075 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	341.43	103.12
28 16 11 00-0076 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	341.43	103.12
28 16 11 00-0077 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	974.61	103.12
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0079 AWID, Proximity Cards (28 16 11 00-0078)		
28 16 11 00-0080 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc GS).....	5.69	
28 16 11 00-0081 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	8.89	
28 16 11 00-0082 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	9.49	
28 16 11 00-0083 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag	33.20	
28 16 11 00-0084 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	33.20	
28 16 11 00-0085 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)		
28 16 11 00-0086 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	419.69	103.12
Note: For mullion mounting.		
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	590.44	103.12
Note: For mullion mounting.		
28 16 11 00-0088 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	590.44	103.12
Note: For single gang electrical box mounting.		
28 16 11 00-0089 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	976.98	103.12
Note: Includes 12 Volt DC regulated power supply.		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0090	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	5,615.56	103.12
28 16 11 00-0091			HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0092			HID, Proximity Cards (28 16 11 00-0091)		
28 16 11 00-0093	EA		Clamshell Type, HID Proximity Card (HID ProxCard II)	13.07	
28 16 11 00-0094	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	17.34	
28 16 11 00-0095	EA		HID Proximity Key Fob (HID ProxKey II)	17.81	
28 16 11 00-0096			HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0091)		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	376.10	103.12
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)	444.73	103.12
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	496.20	103.12
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	635.16	103.12
28 16 11 00-0101			Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0102			HID, Contactless Smart Cards (28 16 11 00-0101)		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	10.43	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	11.39	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	14.91	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	8.07	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0107			HID, Contactless Smart Card Readers, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	394.45	103.12
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	550.97	103.12
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	903.13	103.12
			Note: For mullion mounting.		
28 16 11 00-0111			HID, Contactless Smart Card Programmer, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	2,883.81	103.12
			Note: For mullion mounting.		
28 16 11 00-0113			Call Station Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	1,120.97	103.12
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	930.40	103.12
			Note: For mullion mounting.		
28 16 11 00-0116			Biometrics Readers, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	4,707.54	82.51
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	5,751.38	82.51
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	2,263.18	82.51
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	1,460.00	82.51
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,627.69	82.51
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	1,460.00	82.51
28 16 11 00-0123			Exterior Mounting Posts For Gate Operator Access Controls (28 16 11)		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	307.52	17.83
			Note: Includes a 5" x 5" base plate.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls 607.34 Note: Includes an 8" x 8" base plate.	607.34	17.83
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls 277.03 Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	277.03	17.83
28 16 11 00-0128			4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0129	EA		59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 559.07 Note: Includes an 8" x 8" base plate.	559.07	17.83
28 16 11 00-0130	EA		49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 670.86 Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	670.86	17.83
28 16 11 00-0131	EA		Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls 404.07 Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	404.07	17.83
28 16 11 00-0132			4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0133	EA		59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,852.36 Note: Includes a 11" x 13" base plate.	1,852.36	17.83
28 16 11 00-0134	EA		50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,941.29 Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	1,941.29	17.83
28 16 11 00-0135	EA		Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 785.20 Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	785.20	17.83
28 16 11 00-0136	EA		48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls 1,267.96	1,267.96	17.83
28 16 11 00-0137			Magnetic Locks (28 16 11) Note: Excludes access controls.		
28 16 11 00-0138			Magnetic Door Locks (28 16 11 00-0137)		
28 16 11 00-0139			300 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0140	EA		Single Door, Surface Mount, 300 LB Magnetic Door Lock 467.37	467.37	82.51
28 16 11 00-0141			600 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0142	EA		600 LB, Single Door, Surface Mount, Magnetic Door Lock 676.99 For LED Status Indicator And Signal Relay, Add 64.00 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 128.00 For Mortise Mount, Deduct -102.40	676.99 64.00 128.00 -102.40	82.51
28 16 11 00-0143	EA		600 LB, Dual Doors, Surface Mount, Magnetic Door Lock 1,021.28 For LED Status Indicator And Signal Relay, Add 107.03 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 214.07	1,021.28 107.03 214.07	82.51
28 16 11 00-0144			1,200 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0145	EA		1,200 LB, Single Door, Surface Mount, Magnetic Door Lock 708.75 For LED Status Indicator And Signal Relay, Add 125.06 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 163.12	708.75 125.06 163.12	82.51
28 16 11 00-0146	EA		Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock 1,089.88 For LED Status Indicator And Signal Relay, Add 212.72 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 277.46	1,089.88 212.72 277.46	82.51
28 16 11 00-0147			2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0138) Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock 743.05	743.05	82.51
28 16 11 00-0149			Magnetic Gate Locks (28 16 11 00-0137)		
28 16 11 00-0150			600 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0151	EA		600 LB Magnetic Gate Lock 551.22	551.22	82.51
28 16 11 00-0152			1,200 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0153	EA		1,200 LB Magnetic Gate Lock 666.83 For LED Status Indicator And Signal Relay, Add 62.73 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 125.46 For Mortise Mount, Deduct -100.36	666.83 62.73 125.46 -100.36	82.51
28 16 11 00-0154			Magnetic Lock Power Supply And Chargers (28 16 11 00-0137) Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA		12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger 403.31	403.31	82.51
28 16 11 00-0156	EA		12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger 518.50	518.50	82.51
28 16 11 00-0157	EA		12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger 586.25	586.25	82.51
28 16 11 00-0158	EA		12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger 742.09	742.09	82.51
28 16 11 00-0159			Access Control Accessories (28 16 11)		
28 16 11 00-0160	EA		6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) 446.58	446.58	
28 16 11 00-0161	EA		7 Amperes, 12 Volt, Battery 59.31	59.31	
28 16 11 00-0162	EA		18 Amperes, 12 Volt, Battery 132.19	132.19	
28 16 11 00-0163	EA		Door Personality Module (Sensormatic RM-4) 486.75	486.75	20.63

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0164	EA		Mini-Alert Door Ajar Sounder (System Sensor PA400).....	195.29	41.25
28 16 11 00-0165	EA		Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	58.30	24.75
28 16 11 00-0166	EA		Access Control Systems Power Supply (Altronix AL400ULACMCB).....	538.96	16.50
28 16 11 00-0167	EA		Surge Suppressor (Tripp-Lite IBAR4).....	81.16	4.13
28 16 11 00-0168	EA		Door Strike Relay (Altronix RBSN-TTL).....	55.50	16.50
28 16 11 00-0169	EA		4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1).....	346.21	
			Note: Set in concrete.		
28 16 11 00-0170	EA		16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	472.77	103.12
28 16 11 00-0171			Access Controllers (28 16 11)		
28 16 11 00-0172			Microterm Controller (28 16 11 00-0171)		
28 16 11 00-0173	EA		Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,235.27	103.12
			Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0174	EA		Microterm PC Board (Continental Instruments CICIP1100PCB).....	895.94	61.88
28 16 11 00-0175	EA		Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2).....	428.27	
			Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
28 16 11 00-0176			Miniterm Controller (28 16 11 00-0171)		
28 16 11 00-0177	EA		Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	1,941.74	103.12
			Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0178	EA		Miniterm PC Board (Continental Instrument CICIP1200PCB).....	1,473.36	61.88
28 16 11 00-0179			Super-2 Controller (28 16 11 00-0171)		
28 16 11 00-0180	EA		Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	1,433.82	103.12
			Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0181	EA		Super-Two - PC Board (Continental Instruments CICIP1300BD).....	987.93	61.88
28 16 11 00-0182	EA		Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	268.79	61.88
			Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0183			Smarterm Controller (28 16 11 00-0171)		
28 16 11 00-0184	EA		Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400).....	4,090.60	123.75
			Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0185	EA		Smarterm PC Board (Continental Instrument CICIP1400PCB).....	3,156.46	61.88
28 16 11 00-0186	EA		Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	1,224.25	61.88
			Note: Up to 10,000 cardholders.		
28 16 11 00-0187	EA		Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	1,743.25	61.88
			Note: Up to 50,000 cardholders.		
28 16 11 00-0188	EA		Smarterm Relay Expander Board (Continental Instrument CICIP1400RB).....	1,354.35	61.88
			Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0189	EA		Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB).....	1,354.35	61.88
			Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0190			Superterm-4 Controller (28 16 11 00-0171)		
28 16 11 00-0191	EA		Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	3,773.89	123.75
			Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0192	EA		Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	3,103.22	61.88
28 16 11 00-0193			Superterm-8 Controller (28 16 11 00-0171)		
28 16 11 00-0194	EA		Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800).....	5,016.78	206.26
			Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0195	EA		Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	5,449.28	206.26
			Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0196	EA		Superterm-8 PC Board (Continental Instrument CICIP1800PCB).....	4,181.11	61.88
28 16 11 00-0197			Turbo Superterm-4 Controller (28 16 11 00-0171)		
28 16 11 00-0198	EA		Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	3,773.89	123.75
			Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0199	EA		Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	3,103.22	61.88
28 16 11 00-0200			Turbo Superterm-8 Controller (28 16 11 00-0171)		
28 16 11 00-0201	EA		Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	5,016.78	206.26
			Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202	EA		Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) 5,449.28 Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	5,449.28	206.26
28 16 11 00-0203	EA		Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB)..... 4,181.11	4,181.11	61.88
28 16 11 00-0204	EA		Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... 1,743.25 Note: Up to 140,000 cardholders.	1,743.25	61.88
28 16 11 00-0205	EA		Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) 1,466.44 Note: Up to 140,000 cardholders.	1,466.44	61.88
28 16 11 00-0206	EA		Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... 1,355.75 Note: 16 Output relays, 8 alarm inputs.	1,355.75	61.88
28 16 11 00-0207	EA		Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... 1,355.75 Note: (Supervised) 16 Alarm inputs.	1,355.75	61.88
28 16 11 00-0208	EA		Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPXPWWS) 554.75	554.75	
28 16 11 00-0209			Intelligent Controller (28 16 11 00-0171)		
28 16 11 00-0210	EA		Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)..... 970.85	970.85	61.88
28 16 11 00-0211	EA		Up To 64 Doors, Access Controller (Mercury Security EP-1502) 1,672.65	1,672.65	103.12
28 16 11 00-0212			Access Control Bundled System (28 16 11)		
28 16 11 00-0213	EA		CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) 27,436.11 Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	27,436.11	
28 20 Video Surveillance (28)					
28 21 Surveillance Cameras (28 20)					
28 21 31 Proprietary Surveillance Camera Systems (28 21)					
Note: Includes programming of equipment, testing and certification of new devices.					
28 21 31 00-0001			Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0002			Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003			Cameras (28 21 31 00-0002)		
28 21 31 00-0004			Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005			High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA		High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6) 435.59	435.59	20.68
28 21 31 00-0007			Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0008	EA		High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6) 256.78	256.78	20.68
28 21 31 00-0009			Camerapaks (28 21 31 00-0002)		
Note: Includes camera and lens.					
28 21 31 00-0010			Camerapaks (28 21 31 00-0009)		
28 21 31 00-0011			High Resolution Color, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0012			Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0013			Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0014	EA		2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) 334.33	334.33	20.68
28 21 31 00-0015	EA		2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) 314.23	314.23	20.68
28 21 31 00-0016	EA		4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) 304.89	304.89	20.68
28 21 31 00-0017	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) 302.74	302.74	20.68
28 21 31 00-0018			Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0019	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)..... 364.49	364.49	20.68
28 21 31 00-0020	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)..... 334.33	334.33	20.68
28 21 31 00-0021	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)..... 327.15	327.15	20.68
28 21 31 00-0022	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)..... 321.41	321.41	20.68
28 21 31 00-0023			Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0024			Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0025	EA		1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1) 393.94	393.94	20.68
28 21 31 00-0026	EA		2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2) 355.16	355.16	20.68
28 21 31 00-0027	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21) 323.56	323.56	20.68
28 21 31 00-0028	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3) 310.64	310.64	20.68
28 21 31 00-0029	EA		5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5) 358.75	358.75	20.68
28 21 31 00-0030			Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0031	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A) 425.53	425.53	20.68
28 21 31 00-0032	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)..... 398.96	398.96	20.68
28 21 31 00-0033	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)..... 353.72	353.72	20.68

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	315.66		20.68
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	373.83		20.68
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	422.66		20.68
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	485.14		20.68
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 31 00-0023)</small>			
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	332.18		20.68
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	397.53		20.68
28 21 31 00-0041		High Resolution Day/Night, Camerapaks <small>(28 21 31 00-0010)</small>			
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 31 00-0041)</small>			
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 31 00-0042)</small>			
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	673.28		20.68
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	628.04		20.68
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	589.98		20.68
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	648.14		20.68
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	696.98		20.68
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	758.73		20.68
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 31 00-0042)</small>			
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	606.49		20.68
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	671.84		20.68
28 21 31 00-0053		Compact Camerapaks <small>(28 21 31 00-0009)</small>			
28 21 31 00-0054		High Resolution Color, Compact Camerapaks <small>(28 21 31 00-0053)</small>			
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks <small>(28 21 31 00-0054)</small>			
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0055)</small>			
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0056)</small>			
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	521.76		20.68
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	501.65		20.68
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	491.60		20.68
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	489.44		20.68
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0056)</small>			
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	551.20		20.68
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	521.76		20.68
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	514.58		20.68
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	508.83		20.68
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0055)</small>			
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0067)</small>			
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	581.36		20.68
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	541.87		20.68
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	510.99		20.68
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	498.06		20.68
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	545.46		20.68
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	576.33		20.68
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	649.58		20.68
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0067)</small>			
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	612.24		20.68
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	586.39		20.68
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	541.15		20.68
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	502.37		20.68
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	561.25		20.68
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	610.09		20.68
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	671.84		20.68
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 31 00-0067)</small>			
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	519.60		20.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0086	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	584.95	20.68
28 21 31 00-0087			EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0088			Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0089			Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0090	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	521.76	20.68
28 21 31 00-0091	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	389.63	20.68
28 21 31 00-0092	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	379.58	20.68
28 21 31 00-0093	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	377.42	20.68
28 21 31 00-0094			Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0095	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	439.18	20.68
28 21 31 00-0096	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	409.74	20.68
28 21 31 00-0097	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	402.55	20.68
28 21 31 00-0098	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	402.55	20.68
28 21 31 00-0099			Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0100			Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0101	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	469.34	20.68
28 21 31 00-0102	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	429.84	20.68
28 21 31 00-0103	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	398.96	20.68
28 21 31 00-0104	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	386.04	20.68
28 21 31 00-0105	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	433.43	20.68
28 21 31 00-0106	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	464.31	20.68
28 21 31 00-0107	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	537.56	20.68
28 21 31 00-0108			Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0109	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	500.22	20.68
28 21 31 00-0110	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	474.36	20.68
28 21 31 00-0111	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	428.41	20.68
28 21 31 00-0112	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	390.35	20.68
28 21 31 00-0113	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	449.23	20.68
28 21 31 00-0114	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	498.06	20.68
28 21 31 00-0115	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	559.82	20.68
28 21 31 00-0116			Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0117	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	407.58	20.68
28 21 31 00-0118	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	472.93	20.68
28 21 31 00-0119			High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0120			Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0121			Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0122	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	481.55	20.68
28 21 31 00-0123			DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0124	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	543.30	20.68
28 21 31 00-0125	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	513.14	20.68
28 21 31 00-0126			Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0127			Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0128	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	502.37	20.68
28 21 31 00-0129	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	489.44	20.68
28 21 31 00-0130	EA		5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	568.44	20.68
28 21 31 00-0131			Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0132	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	577.77	20.68

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	532.53		20.68
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	494.47		20.68
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	552.64		20.68
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	601.47		20.68
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	663.94		20.68
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)			
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	510.99		20.68
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	576.33		20.68
28 21 31 00-0141		Camera Systems (28 21 31 00-0002)			
28 21 31 00-0142		Camera Dome Systems (28 21 31 00-0141)			
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0142)			
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0143) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)			
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,135.28		124.05
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,429.70		124.05
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,561.83		124.05
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,549.93		124.05
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,801.36		124.05
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F).....	1,950.01		124.05
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB).....	2,082.86		124.05
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	2,158.97		124.05
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,158.97		124.05
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,261.66		124.05
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,556.80		124.05
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,689.65		124.05
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	2,765.77		124.05
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	2,765.77		124.05
28 21 31 00-0162		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,630.05		124.05
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	2,925.19		124.05
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,058.04		124.05
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	3,134.15		124.05
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	3,134.15		124.05
28 21 31 00-0168		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,388.77		124.05
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	2,538.13		124.05
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	2,670.26		124.05
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,746.38		124.05
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,746.38		124.05
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	2,872.05		124.05
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F).....	3,106.87		124.05
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	3,239.00		124.05
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,315.12		124.05
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	3,315.12		124.05
28 21 31 00-0179		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)			
28 21 31 00-0180		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)			
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	2,337.78		124.05
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	2,465.60		124.05
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....	2,567.57		124.05
		For Protective Lower Dome Cage, Add	34.65		
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	2,900.05		124.05
		For Protective Lower Dome Cage, Add	34.65		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0185	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,027.88	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	3,130.56	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0187			Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)		
28 21 31 00-0188	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	2,925.19	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0189	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	3,053.01	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0190	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,155.70	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	3,450.12	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	3,577.22	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	3,679.91	124.05
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0194			Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0195			Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0194)		
28 21 31 00-0196	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	3,868.05	124.05
28 21 31 00-0197	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,392.98	124.05
28 21 31 00-0198			Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0199			Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0200	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	3,363.95	124.05
28 21 31 00-0201			Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0202	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	2,928.78	124.05
28 21 31 00-0203	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,491.77	124.05
28 21 31 00-0204			Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0205	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	3,860.15	124.05
28 21 31 00-0206			Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0207	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,516.90	124.05
28 21 31 00-0208	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	4,041.11	124.05
28 21 31 00-0209			Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0210			Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0209)		
28 21 31 00-0211	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	1,351.83	124.05
28 21 31 00-0212			Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0143)		
			Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213			Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0214			Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0215	EA		16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,486.43	124.05
28 21 31 00-0216	EA		16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,619.28	124.05
28 21 31 00-0217	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,695.39	124.05
28 21 31 00-0218	EA		16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,695.39	124.05
28 21 31 00-0219	EA		22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	3,093.22	124.05
28 21 31 00-0220	EA		22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	3,226.07	124.05
28 21 31 00-0221	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	3,302.19	124.05

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,302.19		124.05
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0213)</small>			
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	3,461.61		124.05
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,594.46		124.05
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,670.57		124.05
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,670.57		124.05
28 21 31 00-0228		Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0212)</small>			
28 21 31 00-0229		Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0228)</small>			
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	2,874.20 34.65		124.05
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,002.02 34.65		124.05
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,103.99 34.65		124.05
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,436.47 34.65		124.05
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,564.30 34.65		124.05
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,666.98 34.65		124.05
28 21 31 00-0236		Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0228)</small>			
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,461.61 34.65		124.05
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,589.43 34.65		124.05
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,692.12 34.65		124.05
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,986.54 34.65		124.05
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,113.64 34.65		124.05
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,216.33 34.65		124.05
28 21 31 00-0243		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0212)</small>			
28 21 31 00-0244		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0243)</small>			
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,465.20		124.05
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,028.19		124.05
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0243)</small>			
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,396.57		124.05
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0243)</small>			
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,053.32		124.05
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,577.53		124.05
28 21 31 00-0252		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0212)</small>			
28 21 31 00-0253		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems <small>(28 21 31 00-0252)</small>			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0254	EA			10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,697.95	124.05
28 21 31 00-0255 Spectra®, Pan/Tilt Dome Drives <small>(28 21 31 00-0143)</small>						
Note: Includes dome drive, camera and lens.						
28 21 31 00-0256	EA			10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,256.61	103.37
28 21 31 00-0257	EA			10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	1,601.30	103.37
28 21 31 00-0258	EA			22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,027.13	103.37
28 21 31 00-0259	EA			16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,591.96	103.37
28 21 31 00-0260	EA			22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,154.24	103.37
28 21 31 00-0261	EA			18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,179.37	103.37
28 21 31 00-0262	EA			23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	2,522.62	103.37
28 21 31 00-0263	EA			35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	2,704.30	103.37
28 21 31 00-0264	EA			35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,704.30	103.37
28 21 31 00-0265 Accessories For Spectra® Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0143)</small>						
28 21 31 00-0266	EA			Upgrade To Chrome Lower Dome (Pelco Spectra).....	101.25	
28 21 31 00-0267	EA			Upgrade To Gold Lower Dome (Pelco Spectra).....	132.13	
28 21 31 00-0268	EA			Wall Mount For Spectra® Systems (Pelco IWM-BK).....	109.72	10.34
28 21 31 00-0269	EA			24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	277.04	10.34
28 21 31 00-0270	EA			Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	106.85	10.34
28 21 31 00-0271	EA			Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	250.56	10.34
28 21 31 00-0272	EA			Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	55.89	6.15
28 21 31 00-0273 Camclosure®, Camera Dome Systems <small>(28 21 31 00-0142)</small>						
28 21 31 00-0274 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0273)</small>						
28 21 31 00-0275 Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0274)</small>						
28 21 31 00-0276 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>						
28 21 31 00-0277	EA			12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	503.04	124.05
28 21 31 00-0278	EA			9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	546.12	124.05
28 21 31 00-0279	EA			12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	607.16	124.05
28 21 31 00-0280	EA			12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	607.16	124.05
28 21 31 00-0281 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>						
28 21 31 00-0282	EA			9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	615.06	124.05
28 21 31 00-0283	EA			9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	671.07	124.05
28 21 31 00-0284	EA			9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	671.07	124.05
28 21 31 00-0285 Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>						
28 21 31 00-0286	EA			9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	705.54	124.05
28 21 31 00-0287	EA			9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	844.13	124.05
28 21 31 00-0288	EA			9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	844.13	124.05
28 21 31 00-0289 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 31 00-0275)</small>						
28 21 31 00-0290	EA			9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	771.60	124.05
28 21 31 00-0291	EA			9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	860.65	124.05
28 21 31 00-0292 Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0274)</small>						
28 21 31 00-0293 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>						
28 21 31 00-0294	EA			3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	556.05	82.71
28 21 31 00-0295 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 31 00-0292)</small>						
28 21 31 00-0296	EA			9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	637.19	82.71

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0297)			
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	701.82		82.71
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0299)			
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	734.14		82.71
28 21 31 00-0301		Camclosure® IS Integrated Cameras (28 21 31 00-0274)			
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	390.88		82.71
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	390.88		82.71
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	454.79		82.71
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	627.86		82.71
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	644.37		82.71
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0273)			
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0307)			
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)			
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	431.94		124.05
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	462.82		124.05
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	586.34		124.05
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	586.34		124.05
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)			
28 21 31 00-0315	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	724.93		124.05
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0307)			
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0316)			
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	503.63		82.71
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0307)			
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)			
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	671.07		124.05
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)			
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	735.70		124.05
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)			
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	816.85		124.05
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)			
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	849.16		124.05
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0273)			
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0328)			
28 21 31 00-0330		High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)			
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,205.34		124.05
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,205.34		124.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0333			Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0334	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,294.38	124.05
28 21 31 00-0335	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,294.38	124.05
28 21 31 00-0336			Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0337	EA		3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,431.54	124.05
28 21 31 00-0338	EA		9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,431.54	124.05
28 21 31 00-0339			Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <small>(28 21 31 00-0329)</small>		
28 21 31 00-0340	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,528.48	124.05
28 21 31 00-0341	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,528.48	124.05
28 21 31 00-0342			Accessories For Camclosure® Camera Dome Systems <small>(28 21 31 00-0273)</small>		
28 21 31 00-0343	EA		4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	25.34	6.20
28 21 31 00-0344	EA		4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	25.34	6.20
28 21 31 00-0345	EA		Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	33.61	10.34
28 21 31 00-0346	EA		Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	53.71	10.34
28 21 31 00-0347	EA		2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	55.50	6.20
28 21 31 00-0348	EA		Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	53.71	10.34
28 21 31 00-0349	EA		Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	68.07	10.34
28 21 31 00-0350	EA		Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	182.10	20.68
28 21 31 00-0351	EA		Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	182.10	20.68
28 21 31 00-0352	EA		Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	182.10	20.68
28 21 31 00-0353	EA		Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	182.10	20.68
28 21 31 00-0354	EA		Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	64.48	10.34
28 21 31 00-0355	EA		Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	73.66	20.68
28 21 31 00-0356	EA		Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	73.66	20.68
28 21 31 00-0357	EA		Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	73.66	20.68
28 21 31 00-0358	EA		Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	73.66	20.68
28 21 31 00-0359	EA		Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	73.66	20.68
28 21 31 00-0360	EA		Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	73.66	20.68
28 21 31 00-0361	EA		Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	214.21	28.24
28 21 31 00-0362	EA		Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	45.81	10.34
28 21 31 00-0363	EA		Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	78.13	10.34
28 21 31 00-0364	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	45.81	10.34
28 21 31 00-0365	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	78.13	10.34
28 21 31 00-0366	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,124.19	124.05
28 21 31 00-0367			Pan/Tilt Camera Systems <small>(28 21 31 00-0141)</small>		
28 21 31 00-0368			Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0367)</small>		
			Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369			EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0368)</small>		
28 21 31 00-0370			Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0371	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	3,182.09	186.08
28 21 31 00-0372	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	3,613.66	186.08
28 21 31 00-0373	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	4,211.84	186.08
28 21 31 00-0374	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,274.72	186.08
28 21 31 00-0375	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,725.69	186.08
28 21 31 00-0376	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,323.86	186.08
28 21 31 00-0377			Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <small>(28 21 31 00-0369)</small>		
28 21 31 00-0378	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	3,211.53	186.08
28 21 31 00-0379	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	3,643.11	186.08
28 21 31 00-0380	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	4,241.28	186.08
28 21 31 00-0381	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,304.88	186.08
28 21 31 00-0382	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,755.13	186.08

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....		4,353.31	186.08
28 21 31 00-0384		Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0367)			
28 21 31 00-0385		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0384)			
28 21 31 00-0386		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0385)			
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....		3,294.11	186.08
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....		3,725.69	186.08
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....		4,323.86	186.08
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....		3,386.74	186.08
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....		3,837.71	186.08
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....		4,435.89	186.08
28 21 31 00-0393		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0385)			
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....		3,323.55	186.08
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....		3,755.13	186.08
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....		4,353.31	186.08
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....		3,416.90	186.08
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....		3,867.15	186.08
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....		4,465.33	186.08
28 21 31 00-0400		Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0367)			
28 21 31 00-0401		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0400)			
28 21 31 00-0402		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0401)			
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....		3,106.68	186.08
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....		3,538.26	186.08
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....		4,136.44	186.08
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....		3,200.04	186.08
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....		3,650.29	186.08
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....		4,248.46	186.08
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0401)			
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....		3,136.84	186.08
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....		3,567.70	186.08
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....		4,166.60	186.08
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....		3,157.67	186.08
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....		3,229.48	186.08
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....		3,679.73	186.08
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....		4,278.62	186.08
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0367)			
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0417)			
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)			
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....		3,717.07	186.08
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....		4,315.25	186.08
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....		3,378.84	186.08
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....		3,829.09	186.08
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....		4,427.27	186.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0425			Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0426	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,315.65	186.08
28 21 31 00-0427	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,746.51	186.08
28 21 31 00-0428	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,345.41	186.08
28 21 31 00-0429	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,408.29	186.08
28 21 31 00-0430	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	3,858.54	186.08
28 21 31 00-0431	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,457.43	186.08
28 21 31 00-0432			Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0433			Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0432)		
28 21 31 00-0434			Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0435	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,410.75	186.08
28 21 31 00-0436	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,473.63	186.08
28 21 31 00-0437	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,522.78	186.08
28 21 31 00-0438			Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0439	EA		6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,410.44	186.08
28 21 31 00-0440	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,440.91	186.08
28 21 31 00-0441	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,503.79	186.08
28 21 31 00-0442	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	3,954.04	186.08
28 21 31 00-0443	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,552.94	186.08
28 21 31 00-0444			Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0445			Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0446			Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0447	EA		16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,711.32	186.08
28 21 31 00-0448			Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0449	EA		16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,740.77	186.08
28 21 31 00-0450			High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0451			Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0452	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,410.75	186.08
28 21 31 00-0453	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,264.26	186.08
28 21 31 00-0454	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	4,849.51	186.08
28 21 31 00-0455			Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0456	EA		22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,439.48	186.08
28 21 31 00-0457	EA		24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,264.26	186.08
28 21 31 00-0458	EA		35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	4,881.83	186.08
28 21 31 00-0459			Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0460			High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0459)		
28 21 31 00-0461			Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0462	EA		16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	2,850.32	186.08
28 21 31 00-0463	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	3,550.47	186.08
28 21 31 00-0464	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	3,406.13	186.08
28 21 31 00-0465	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	3,862.13	186.08
28 21 31 00-0466			Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0467	EA		16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	2,879.05	186.08
28 21 31 00-0468	EA		22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,579.91	186.08
28 21 31 00-0469	EA		24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,435.57	186.08
28 21 31 00-0470	EA		35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	3,894.44	186.08

28 Electronic Safety and Security

28 20 Video Surveillance

28 21 Surveillance Cameras

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
28 21 31	00-0471	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31	00-0472	Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0471)		
28 21 31	00-0473	Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31	00-0474	EA 14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,401.50	186.08
28 21 31	00-0475	EA 35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	19,789.58	186.08
28 21 31	00-0476	EA 50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	20,255.63	186.08
28 21 31	00-0477	Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31	00-0478	EA 14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,431.66	186.08
28 21 31	00-0479	EA 35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	19,819.03	186.08
28 21 31	00-0480	EA 50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,285.07	186.08
28 21 31	00-0481	Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31	00-0482	EA Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	7.94	2.07
28 21 31	00-0483	EA Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	45.81	10.34
28 21 31	00-0484	EA Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	71.67	10.34
28 21 31	00-0485	EA Wall Mount For High Security Enclosures (Pelco HSWM12)	91.05	10.34
28 21 31	00-0486	EA Ground Isolation Transformer (Pelco GIT100)	264.48	28.24
28 21 31	00-0487	EA High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	461.98	28.24
28 21 31	00-0488	EA High Security, Indoor 10" Length Enclosure (Pelco HS3000)	316.90	28.24
28 21 31	00-0489	EA High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	541.87	28.24
28 21 31	00-0490	EA High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	245.09	28.24
28 21 31	00-0491	EA High Security, Ceiling Mount, Steel Enclosure (Pelco HS8134)	791.37	28.24
28 21 31	00-0492	EA Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	992.63	28.24
28 21 31	00-0493	EA Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,180.06	28.24
28 21 31	00-0494	EA 24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,222.42	28.24
28 21 31	00-0495	EA 35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,289.21	28.24
28 21 31	00-0496	EA 24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,075.31	28.24
28 21 31	00-0497	EA 24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,100.34	28.24
28 21 31	00-0498	EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,124.37	28.24
28 21 31	00-0499	EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,043.12	28.24
28 21 31	00-0500	EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,155.14	28.24
28 21 31	00-0501	EA Esprit® Camera Pole Mount Adapter (Pelco EPM).....	88.97	6.65
28 21 31	00-0502	EA Pole Mount Adapter For Esprit® Systems (Pelco EPM)	88.97	6.65
28 21 31	00-0503	Camera Lenses (28 21 31 00-0002)		
28 21 31	00-0504	Fixed Focus Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus.		
28 21 31	00-0505	Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)		
28 21 31	00-0506	EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	116.37	9.70
28 21 31	00-0507	EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	96.27	9.70
28 21 31	00-0508	EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	86.21	9.70
28 21 31	00-0509	EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	84.06	9.70
28 21 31	00-0510	Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes spot filter. Excludes amplifier.		
28 21 31	00-0511	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	145.82	9.70
28 21 31	00-0512	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	116.37	9.70
28 21 31	00-0513	EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	109.19	9.70
28 21 31	00-0514	EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	77.60	9.70
28 21 31	00-0515	Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31	00-0516	EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	172.39	9.70
28 21 31	00-0517	EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	142.23	9.70
28 21 31	00-0518	EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	135.05	9.70
28 21 31	00-0519	EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	129.30	9.70
28 21 31	00-0520	Varifocal Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus and zoom.		
28 21 31	00-0521	Manual Iris, Varifocal Camera Lenses (28 21 31 00-0520)		
28 21 31	00-0522	EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	195.81	9.70
28 21 31	00-0523	EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	136.48	9.70
28 21 31	00-0524	EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	105.60	9.70
28 21 31	00-0525	EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	92.68	9.70
28 21 31	00-0526	EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	244.20	9.70
28 21 31	00-0527	EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	149.55	9.70
28 21 31	00-0528	EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	160.07	9.70
28 21 31	00-0529	Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31	00-0530	EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	192.30	9.70
28 21 31	00-0531	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	168.48	9.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0532	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	126.42	9.70
28 21 31 00-0533	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	91.38	9.70
28 21 31 00-0534	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	266.46	9.70
28 21 31 00-0535	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	190.20	9.70
28 21 31 00-0536			Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0537	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	233.43	9.70
28 21 31 00-0538	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	206.86	9.70
28 21 31 00-0539	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	123.56	9.70
28 21 31 00-0540	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	230.55	9.70
28 21 31 00-0541			Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0530)		
28 21 31 00-0542	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	107.50	9.70
28 21 31 00-0543	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	167.07	9.70
28 21 31 00-0544			Motorized Zoom Camera Lenses (28 21 31 00-0503) Note: 1/3" format.		
28 21 31 00-0545			Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)		
28 21 31 00-0546	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	425.16	9.70
28 21 31 00-0547	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	531.44	9.70
28 21 31 00-0548	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	566.62	9.70
28 21 31 00-0549			Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0550	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	462.13	9.70
28 21 31 00-0551	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	535.72	9.70
28 21 31 00-0552	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	626.23	9.70
28 21 31 00-0553	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	926.78	9.70
28 21 31 00-0554	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	1,849.79	9.70
28 21 31 00-0555			Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0556	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	435.93	9.70
28 21 31 00-0557	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	519.23	9.70
28 21 31 00-0558	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	652.80	9.70
28 21 31 00-0559	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	950.81	9.70
28 21 31 00-0560	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,548.98	9.70
28 21 31 00-0561			Camera Power Supplies (28 21 31 00-0002)		
28 21 31 00-0562	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	29.47	8.27
28 21 31 00-0563	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	51.01	8.27
28 21 31 00-0564	EA		2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	260.85	16.54
28 21 31 00-0565	EA		5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	298.42	24.81
28 21 31 00-0566	EA		10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	333.88	33.08
			<i>For Switchable Outputs, Add</i>	160.63	
28 21 31 00-0567	EA		20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	371.46	41.35
			<i>For Switchable Outputs, Add</i>	173.25	
28 21 31 00-0568			Camera Illuminators (28 21 31 00-0002)		
28 21 31 00-0569			Camera Illuminators (28 21 31 00-0568) Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,133.21	16.54
28 21 31 00-0571	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,133.21	16.54
28 21 31 00-0572	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,133.21	16.54
28 21 31 00-0573			Camera Illuminator Accessories (28 21 31 00-0568)		
28 21 31 00-0574	EA		Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	94.12	16.54
28 21 31 00-0575			Camera Receivers (28 21 31 00-0002)		
28 21 31 00-0576	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,098.91	28.24
28 21 31 00-0577	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,098.91	28.24
28 21 31 00-0578			Pan And Tilt Drives (28 21 31 00-0002)		
28 21 31 00-0579	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	779.68	62.03
28 21 31 00-0580	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	989.36	62.03
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0581	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	2,089.49	62.03
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0582	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	2,387.50	62.03
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0583	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	2,762.35	62.03
			<i>For Preset Positioning, Add</i>	165.00	

28	28	Electronic Safety and Security
	28 20	Video Surveillance
	28 21	Surveillance Cameras

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 21 31 00-0584	EA	100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)..... <i>For Preset Positioning, Add</i>	3,559.44 165.00	62.03
28 21 31 00-0585		Scanners (28 21 31 00-0002)		
28 21 31 00-0586	EA	35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)..... <i>For Wall Mount, Add</i>	889.54 39.05	62.03
		<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0587	EA	35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)..... <i>For Wall Mount, Add</i>	934.78 39.05	62.03
		<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0588		Camera Monitors (28 21 31 00-0001)		
28 21 31 00-0589		Camera Monitors (28 21 31 00-0588)		
28 21 31 00-0590		Monochrome Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A).....	173.46	12.41
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A).....	198.59	12.41
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A).....	304.87	12.41
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A).....	490.86	12.41
28 21 31 00-0595		Color Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	554.05	12.41
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	449.21	12.41
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	653.15	12.41
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	868.58	12.41
28 21 31 00-0600		LCD Camera Monitors (28 21 31 00-0588)		
28 21 31 00-0601		VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0600) Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	626.58	12.41
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	816.16	12.41
28 21 31 00-0604		Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	712.75	12.41
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	853.50	12.41
28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,050.26	12.41
28 21 31 00-0608		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	915.25	12.41
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,061.75	12.41
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,332.47	12.41
28 21 31 00-0612		Camera Monitor Mounting Accessories (28 21 31 00-0588)		
28 21 31 00-0613		Camera Monitor Mounts (28 21 31 00-0612)		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco).....	212.60	16.54
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco).....	247.79	16.54
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco).....	290.88	16.54
28 21 31 00-0617		Camera Monitor Rack Mount Kits (28 21 31 00-0612)		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	128.59	16.54
28 21 31 00-0619		Video Transmission Equipment (28 21 31 00-0001)		
28 21 31 00-0620		UTP Cable, Video Transmission Equipment (28 21 31 00-0619)		
28 21 31 00-0621		UTP Cable, Active Video Receivers (28 21 31 00-0620)		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	267.55	20.68
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	923.18	20.68
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	1,817.21	20.68
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US).....	2,985.56	20.68
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	3,486.08	20.68
28 21 31 00-0627		UTP Cable, Passive Video Transceivers (28 21 31 00-0620)		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	77.97	20.68
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	267.55	20.68
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	494.47	20.68
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	941.13	20.68
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	1,841.63	20.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0633			UTP Cable, Active Video Transmitters <small>(28 21 31 00-0620)</small>		
28 21 31 00-0634	EA		Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	279.76	20.68
28 21 31 00-0635			Fiber Optics, Video Transmission Equipment <small>(28 21 31 00-0619)</small>		
28 21 31 00-0636			Data Only, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0637			Bidirectional Data, Fiber Optics Transmitters <small>(28 21 31 00-0636)</small>		
28 21 31 00-0638	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	1,625.19	41.35
28 21 31 00-0639	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	664.37	41.35
28 21 31 00-0640	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,187.87	41.35
28 21 31 00-0641	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	819.48	41.35
28 21 31 00-0642			Bidirectional Data, Fiber Optics Receivers <small>(28 21 31 00-0636)</small>		
28 21 31 00-0643	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	1,625.19	41.35
28 21 31 00-0644	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	664.37	41.35
28 21 31 00-0645	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,187.87	41.35
28 21 31 00-0646	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	819.48	41.35
28 21 31 00-0647			Video Only, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0648			Digitally Encoded Video, Fiber Optics Transmitters <small>(28 21 31 00-0647)</small>		
28 21 31 00-0649	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	721.82	41.35
28 21 31 00-0650	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	315.37	41.35
28 21 31 00-0651	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	1,999.32	41.35
28 21 31 00-0652	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,202.23	41.35
28 21 31 00-0653	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,274.66	41.35
28 21 31 00-0654	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,723.16	41.35
28 21 31 00-0655	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,129.02	41.35
28 21 31 00-0656	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,234.99	41.35
28 21 31 00-0657			Digitally Encoded Video, Fiber Optics Receivers <small>(28 21 31 00-0647)</small>		
28 21 31 00-0658	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	721.82	41.35
28 21 31 00-0659	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	315.37	41.35
28 21 31 00-0660	EA		Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,231.67	41.35
28 21 31 00-0661	EA		Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	499.93	41.35
28 21 31 00-0662	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	1,999.32	41.35
28 21 31 00-0663	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,202.23	41.35
28 21 31 00-0664	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	3,274.66	41.35
28 21 31 00-0665	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	2,723.16	41.35
28 21 31 00-0666	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,129.02	41.35
28 21 31 00-0667	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	7,234.99	41.35
28 21 31 00-0668			Video And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0669			Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters <small>(28 21 31 00-0668)</small>		
28 21 31 00-0670	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,243.88	41.35
28 21 31 00-0671	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	741.93	41.35
28 21 31 00-0672	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	2,894.79	41.35
28 21 31 00-0673	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	2,506.30	41.35
28 21 31 00-0674	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	4,685.01	41.35
28 21 31 00-0675	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	3,396.74	41.35
28 21 31 00-0676			Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers <small>(28 21 31 00-0668)</small>		
28 21 31 00-0677	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,243.88	41.35
28 21 31 00-0678	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	741.93	41.35
28 21 31 00-0679	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,894.79	41.35
28 21 31 00-0680	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,506.30	41.35
28 21 31 00-0681	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,685.01	41.35
28 21 31 00-0682	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,396.74	41.35
28 21 31 00-0683			Video, Audio And Data, Fiber Optics Transmission Equipment <small>(28 21 31 00-0635)</small>		
28 21 31 00-0684			Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters <small>(28 21 31 00-0683)</small>		

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,602.21	41.35
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,274.76	41.35
28 21 31 00-0687		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0683)		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,602.21	41.35
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,274.76	41.35
28 21 31 00-0690		Video Amplifiers (28 21 31 00-0619)		
28 21 31 00-0691		Video Distribution Amplifiers (28 21 31 00-0690)		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	198.05	10.34
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	1,608.40	10.34
28 21 31 00-0694		Video Equalizing Amplifiers (28 21 31 00-0690)		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010).....	215.29	10.34
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	338.08	10.34
28 21 31 00-0697		Network Video Equipment (28 21 31 00-0001)		
28 21 31 00-0698		Video Encoders/Decoders (28 21 31 00-0697)		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R).....	797.94	20.68
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T).....	797.94	20.68
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	918.58	20.68
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	918.58	20.68
28 21 31 00-0703		Network Video Recorders (28 21 31 00-0697)		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,056.27	41.35
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	5,884.24	41.35
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,541.61	41.35
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	4,993.80	41.35
28 21 31 00-0708		Network Video Recorder Software (28 21 31 00-0697)		
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10).....	499.80	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20).....	901.22	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50).....	2,001.34	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100).....	3,500.74	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	834.43	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,500.83	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,335.57	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	5,836.00	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,003.85	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	20,840.70	
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,499.99	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,777.90	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,557.66	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,000.51	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,278.41	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,056.74	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	4,833.91	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,112.53	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	7,891.58	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,666.90	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	5,944.81	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	8,724.57	
28 21 31 00-0731		Video Recording Equipment (28 21 31 00-0001)		
28 21 31 00-0732		Digital Video Recorders (28 21 31 00-0731)		
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A).....	7,917.90	41.35
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A).....	10,857.80	41.35
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A).....	13,798.42	41.35

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0736 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,532.91	41.35
28 21 31 00-0737 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,472.81	41.35
28 21 31 00-0738 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	15,413.43	41.35
28 21 31 00-0739 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,421.20	41.35
28 21 31 00-0740 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	13,361.10	41.35
28 21 31 00-0741 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	16,301.72	41.35
28 21 31 00-0742 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,036.20	41.35
28 21 31 00-0743 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	14,976.10	41.35
28 21 31 00-0744 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	17,916.72	41.35
28 21 31 00-0745 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	8,740.34	41.35
28 21 31 00-0746 Digital Video Recorder Accessories (28 21 31 00-0731)		
28 21 31 00-0747 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	772.09	20.68
28 21 31 00-0748 Matrix Systems And Controls (28 21 31 00-0001)		
28 21 31 00-0749 Video Multiplexers (28 21 31 00-0748)		
28 21 31 00-0750 Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0751 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,457.15	41.35
28 21 31 00-0752 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	1,377.44	41.35
28 21 31 00-0753 Color Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0754 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	985.36	41.35
28 21 31 00-0755 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	1,876.52	41.35
28 21 31 00-0756 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	2,033.79	41.35
28 21 31 00-0757 Color Simplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0758 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	1,577.79	41.35
28 21 31 00-0759 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	1,842.05	41.35
28 21 31 00-0760 Video Multiplexer Accessories (28 21 31 00-0749)		
28 21 31 00-0761 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	871.27	28.24
28 21 31 00-0762 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	513.66	28.24
28 21 31 00-0763 EA Video Multiplexer Server (Pelco MX4000SVR)	1,457.15	41.35
28 21 31 00-0764 Quad Video Processor (28 21 31 00-0748)		
28 21 31 00-0765 EA Monochrome, Quad Video Processor (Pelco QD104M)	451.39	20.68
28 21 31 00-0766 EA Color, Quad Video Processor (Pelco QD104C)	738.63	20.68
28 21 31 00-0767 Switcher (28 21 31 00-0748)		
28 21 31 00-0768 Terminating Manual Switchers (28 21 31 00-0767)		
28 21 31 00-0769 Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0770 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	157.31	16.54
28 21 31 00-0771 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	213.32	16.54
28 21 31 00-0772 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	259.28	16.54
28 21 31 00-0773 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	423.73	16.54
28 21 31 00-0774 Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0775 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	203.27	16.54
28 21 31 00-0776 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	357.66	16.54
28 21 31 00-0777 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	624.08	16.54
28 21 31 00-0778 Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0779 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	271.49	16.54
28 21 31 00-0780 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	496.97	16.54
28 21 31 00-0781 Looping Manual Switchers (28 21 31 00-0767)		
28 21 31 00-0782 Looping Manual Switchers (28 21 31 00-0781)		
28 21 31 00-0783 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	175.98	16.54
28 21 31 00-0784 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	241.33	16.54
28 21 31 00-0785 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	307.39	16.54
28 21 31 00-0786 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	506.31	16.54
28 21 31 00-0787 Audio Follow, Looping Manual Switchers (28 21 31 00-0781)		
28 21 31 00-0788 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	219.07	16.54
28 21 31 00-0789 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	382.08	16.54
28 21 31 00-0790 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	524.26	16.54

28 Electronic Safety and Security

28 20 Video Surveillance

28 21 Surveillance Cameras



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0791		Balanced Audio Follow, Looping Manual Switchers (28 21 31 00-0781)			
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	290.88		16.54
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	526.41		16.54
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	662.14		16.54
28 21 31 00-0795		Sequential Switchers (28 21 31 00-0767)			
28 21 31 00-0796		Single Output, Sequential Switchers (28 21 31 00-0795)			
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	308.11		16.54
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	458.91		16.54
28 21 31 00-0799		Dual Outputs, Sequential Switchers (28 21 31 00-0795)			
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204).....	384.95		16.54
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208).....	532.88		16.54
28 21 31 00-0802		Controls (28 21 31 00-0748)			
28 21 31 00-0803		Direct/Multi-Cable Controls (28 21 31 00-0802)			
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	266.54		41.35
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	284.50		41.35
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	315.37		41.35
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	329.74		41.35
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	519.31		41.35
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	571.74		41.35
28 21 31 00-0810		Coaxitron Controls (28 21 31 00-0802)			
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000).....	380.09		28.24
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	718.32		28.24
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	815.26		28.24
28 21 31 00-0814		Digital Controls (28 21 31 00-0802)			
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	510.07		28.24
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	864.09		28.24
28 21 31 00-0817		Lock Boxes (28 21 31 00-0748)			
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000).....	312.65		31.01
		For Wall Mount, Add	165.00		
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	319.83		31.01
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000)	585.52		31.01
		Note: Includes storage for 32 VCR tapes.			
28 21 31 00-0821		Test And Certification Of Surveillance Camera System (28 21 31)			
28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems.....	652.28		
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System.....	203.84		
28 21 31 00-0824		Programming Of Surveillance Camera System (28 21 31)			
28 21 31 00-0825	HR	Programming Of Surveillance Camera System	244.60		
28 21 31 00-0826		Removal And Reinstallation Of Cameras (28 21 31)			
		Note: Includes storage, cleaning and supply materials.			
28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	372.16		

28 40 Life Safety (28)

28 42 Gas Detection and Alarm (28 40)

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems (28 42)

28 42 11 00-0001 Monitoring System For Underground Tanks (28 42 11)

28 42 11 00-0002 Continuous Leak Detection System (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	4,584.45		338.26
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	6,182.87		451.30
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	8,672.22		483.47
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	9,379.71		676.53
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	6,386.22		57.75
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	5,758.83		51.57
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	7,567.75		57.75
28 42 11 00-0010	EA	Tank Leak Detection Probe	2,339.87		12.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0011	EA		Secondary Containment Collar Probe	287.32	4.95
28 42 11 00-0012	EA		Interstitial Leak Detection Probe.....	527.25	10.31
28 42 11 00-0013	EA		Liquid Phase Detection.....	1,738.46	30.94
28 42 11 00-0014	EA		Hydrocarbon Vapor, Fixed.....	1,605.84	30.94
28 42 11 00-0015	EA		Hydrocarbon Vapor, Float Mounted.....	1,874.99	35.06
28 42 11 00-0016	EA		Liquid And Vapor Hydrocarbon.....	2,140.23	35.06
28 42 15 Gas Detection Sensors (28 42)					
28 42 15 00-0001 Hydrogen Gas Detection (28 42 15)					
28 42 15 00-0002	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,387.61	31.01
28 42 15 00-0003	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	72.52	10.34
28 42 15 00-0004	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM).....	350.84	31.01
28 43 Fuel Oil Detection and Alarm (28 40)					
See CSI section 28 42 00 00-0000 for detection and alarms.					
28 46 Fire Detection and Alarm (28 40)					
28 46 11 Fire Sensors and Detectors (28 46)					
28 46 11 11 Linear Heat Detection Sensors (28 46 11)					
28 46 11 11-0001			Protectowire Fire Alarm (28 46 11 11)		
28 46 11 11-0002 Linear Heat Detector Cable (28 46 11 11-0001)					
28 46 11 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	3.96	
28 46 11 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	4.30	
28 46 11 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	4.30	
28 46 11 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	4.63	
28 46 11 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	5.01	
28 46 11 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	5.34	
28 46 11 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	48.96	
28 46 11 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	19.59	
28 46 11 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	6.46	
28 46 11 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	6.46	
28 46 11 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	7.16	
28 46 11 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	11.15	
28 46 11 11-0015	EA		Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	11.60	
28 46 11 11-0016	EA		Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	1.14	
28 46 11 11-0017	EA		Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	1.54	
28 46 11 11-0018	EA		Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	6.81	
28 46 20 Fire Alarm (28 46)					
28 46 21 17 Proprietary Systems (28 46 20)					
Note: Includes programming of equipment, testing and certification of new devices.					
28 46 21 17-0001 Edwards Fire Alarm (28 46 21 17)					
28 46 21 17-0002 EST3 Life Safety And Security Control (28 46 21 17-0001)					
28 46 21 17-0003 EST3 Network (28 46 21 17-0002)					
28 46 21 17-0004 Remote Annunciators (28 46 21 17-0003)					
28 46 21 17-0005	EA		Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	1,117.68	62.03
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 21 17-0006	EA		Six Position Base Annunciator (EST3 3-6ANN).....	909.82	62.03
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 21 17-0007	EA		Ten Position Base Annunciator (EST3 3-10ANN).....	1,152.19	62.03
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 21 17-0008	EA		Annunciator CPU (EST3 3-ANNCPU3).....	732.39	62.03
Note: One Required per graphic annunciator.					
28 46 21 17-0009	EA		Annunciator Support Module (EST3 3-ANNSM).....	133.92	20.68
Note: Takes one space in Annunciator box. Supports one Control/Display module.					
28 46 21 17-0010	EA		Liquid Crystal Display Module (EST3 3-LCD).....	468.88	62.03
Note: Mounts over 3-CPU(1).					
28 46 21 17-0011	EA		Liquid Crystal Display Module (EST3 3-LCDXL).....	637.38	62.03
Note: Mounts over 3-ANNCPU plus two spaces.					
28 46 21 17-0012	EA		LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	529.64	62.03
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.					
28 46 21 17-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	620.10	41.35
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.					
28 46 21 17-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	92.66	20.68
Note: Mounts up to three 3-EVDVRA modules.					
28 46 21 17-0015	EA		Central Processor Unit Module (EST3 3-CPU3).....	1,324.65	62.03
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 21 17-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3).....	1,173.16	20.68
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0017 Remote Annunciators Cabinets (28 46 21 17-0003)					
		EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB).....	100.04	20.68
		EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB-S).....	91.77	16.54
		EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	113.06	20.68
		EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	104.79	16.54
		EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	125.28	20.68
		EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	117.01	16.54
28 46 21 17-0024 Audio And Telephone Masters (28 46 21 17-0003)					
		EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	3,653.18	82.71
		EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	2,031.00	82.71
		EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,849.73	82.71
		EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,919.47	82.71
		EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	2,193.17	82.71
		EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,854.82	41.35
28 46 21 17-0031 Battery Distribution Unit (28 46 21 17-0003)					
		EA	Battery Distribution Unit (EST3 3-BTSEN).....	396.58	313.89
28 46 21 17-0033 Remote Booster Power Supply (28 46 21 17-0003)					
		EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	631.05	62.03
		EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	721.26	62.03
		EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	787.73	62.03
		EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	102.22	20.68
28 46 21 17-0038 Batteries And Battery Cabinets (28 46 21 17-0003)					
		EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	77.45	20.68
		EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	97.05	20.68
		EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	232.25	20.68
		EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	104.89	20.68
		EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	295.02	20.68
		EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	165.09	20.68
		EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	600.82	20.68
		EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	169.13	20.68
		EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	723.78	20.68
		EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	93.23	20.68
		EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	83.44	20.68
		EA	14" x 18"-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	301.35	41.35
			Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
		EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2).....	248.57	41.35
			Note: Holds up to two 12V17A batteries.		
		EA	Remote Closet Enclosure (EST3 3-RCC7R).....	854.92	82.71
		EA	Remote Closet Enclosure (EST3 3-RCC14R).....	1,062.72	82.71
		EA	Remote Closet Enclosure (EST3 3-RCC21R).....	1,493.62	82.71
28 46 21 17-0055 Serial Printer (28 46 21 17-0003)					
		EA	System Printer - Desk Top Style (EST3 PT-1S).....	970.24	20.68
28 46 21 17-0057 Intelligent Analog Initiating Devices (28 46 21 17-0002)					
28 46 21 17-0058 Detectors, Signature (28 46 21 17-0057)					
		EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	180.23	31.01
		EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	203.05	31.01
		EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	173.44	31.01
		EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	153.05	31.01
		EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	159.84	31.01
		EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS).....	130.31	31.01
		EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS).....	130.31	31.01
		EA	Passive Infrared Motion Detector (EST3 SIGA-MD).....	209.12	31.01
		EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	231.38	31.01
		EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	194.66	31.01
		EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	283.13	31.01
		EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS).....	161.65	31.01
		EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS).....	161.65	31.01
		EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....	224.39	31.01
28 46 21 17-0073 Detectors, Duct Housings and Accessories, Signature (28 46 21 17-0057)					
		EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	365.99	51.69
		EA	Superduct, Test Magnet Kit (EST3 SD-MAG).....	15.37	
		EA	Superduct, 120" Air Sample Tube (EST3 SD-T120).....	47.43	12.41
		EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	95.22	16.54
		EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	129.71	16.54
		EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	55.88	16.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0080 Detectors, Smoke, Beam <small>(28 46 21 17-0057)</small>					
28 46 21 17-0081	EA		Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	129.03	
28 46 21 17-0082	EA		Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,521.90	31.01
Note: Includes controller and remote mount transmitter and receiver head.					
28 46 21 17-0083	EA		Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	90.70	10.34
28 46 21 17-0084	EA		Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	108.15	10.34
28 46 21 17-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,577.82	31.01
28 46 21 17-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,344.62	31.01
28 46 21 17-0087	EA		Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	312.25	10.34
28 46 21 17-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,663.77	31.01

28 46 21 17-0089 Modules, Signature <small>(28 46 21 17-0057)</small>					
28 46 21 17-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	170.90	20.68
28 46 21 17-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	97.89	20.68
28 46 21 17-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	137.32	20.68
28 46 21 17-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	152.71	20.68
28 46 21 17-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	152.20	20.68
28 46 21 17-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	160.38	20.68
28 46 21 17-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	118.72	20.68
Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).					
28 46 21 17-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	132.37	20.68
28 46 21 17-0098	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	177.80	20.68
28 46 21 17-0099	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	173.24	20.68
28 46 21 17-0100	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	166.45	20.68
28 46 21 17-0101	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	152.35	131.68
28 46 21 17-0102	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	110.70	20.68
Note: Factory programmed for non-latching monitor operation.					
28 46 21 17-0103	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	178.68	20.68

28 46 21 17-0104 Module Accessories, Signature <small>(28 46 21 17-0057)</small>					
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.					
28 46 21 17-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	43.51	10.34
28 46 21 17-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	150.51	20.68
28 46 21 17-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	15.81	6.20
28 46 21 17-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	51.38	10.34
28 46 21 17-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	45.73	10.34
28 46 21 17-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	47.96	10.34

28 46 21 17-0111 Single Action Pull Stations, Signature <small>(28 46 21 17-0057)</small>					
28 46 21 17-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	185.07	43.00
28 46 21 17-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	219.16	43.00
28 46 21 17-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2)	25.58	21.44
28 46 21 17-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	32.15	28.01
28 46 21 17-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	47.80	31.26

28 46 21 17-0117 Double Action Pull Stations, Signature <small>(28 46 21 17-0057)</small>					
28 46 21 17-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	171.24	43.00
28 46 21 17-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	32.64	4.13

28 46 21 17-0120 Detector Bases and Accessories, Signature <small>(28 46 21 17-0057)</small>					
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.					
28 46 21 17-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G)	93.95	10.34
28 46 21 17-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	34.39	10.34
28 46 21 17-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	117.60	10.34
28 46 21 17-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	66.23	10.34
28 46 21 17-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DG-SB)	77.59	10.34
28 46 21 17-0126	EA		Detector Mounting Plate (EST3 SIGA-DMP)	123.04	10.34
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.					
28 46 21 17-0127	EA		Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	43.51	10.34
28 46 21 17-0128	EA		Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	15.91	6.20
28 46 21 17-0129	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	15.91	6.20
28 46 21 17-0130	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	46.60	6.20
28 46 21 17-0131	EA		Detector Base With Isolator (EST3 SIGA-IB).....	76.44	10.34

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 21 17-0132	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	81.31	10.34
28 46 21 17-0133	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	59.37	10.34
28 46 21 17-0134	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	67.94	10.34
28 46 21 17-0135	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	33.33	10.34
28 46 21 17-0136		Controllers, Signature (28 46 21 17-0057)		
28 46 21 17-0137	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	2,622.03	62.03
28 46 21 17-0138	EA	Single Signature Loop Controller (EST3 3-SSDC1)	1,500.63	62.03
28 46 21 17-0139	EA	Signature Loop Controller (EST3 3-SDC1)	1,347.56	62.03
28 46 21 17-0140	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	2,163.23	62.03
28 46 21 17-0141		Relays And Accessories (28 46 21 17-0057)		
28 46 21 17-0142	EA	Multi Voltage Relay (EST3 MR101)	137.64	20.68
28 46 21 17-0143	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	40.63	10.34
28 46 21 17-0144		Notification Appliances (28 46 21 17-0002)		
28 46 21 17-0145		Wall Strobes, Horns And Chimes (28 46 21 17-0144)		
28 46 21 17-0146	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	110.62	31.01
28 46 21 17-0147	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	110.62	31.01
28 46 21 17-0148	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	126.45	31.01
28 46 21 17-0149	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	92.79	31.01
28 46 21 17-0150	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	92.79	31.01
28 46 21 17-0151	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	92.79	31.01
28 46 21 17-0152	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	92.79	31.01
28 46 21 17-0153	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	77.81	31.01
28 46 21 17-0154	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	77.81	31.01
28 46 21 17-0155	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	77.81	31.01
28 46 21 17-0156	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	191.04	31.01
28 46 21 17-0157	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	191.04	31.01
28 46 21 17-0158	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	124.52	31.01
28 46 21 17-0159	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	124.52	31.01
28 46 21 17-0160	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	110.62	31.01
28 46 21 17-0161	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	110.62	31.01
28 46 21 17-0162	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	110.62	31.01
28 46 21 17-0163	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	110.62	31.01
28 46 21 17-0164	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	115.07	31.01
28 46 21 17-0165	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	115.07	31.01
28 46 21 17-0166	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	125.48	31.01
28 46 21 17-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	115.07	31.01
28 46 21 17-0168	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	115.07	31.01
28 46 21 17-0169	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	68.07	31.01
28 46 21 17-0170	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	68.07	31.01
28 46 21 17-0171		Wall Speakers And Speaker Strobes (28 46 21 17-0144)		
28 46 21 17-0172	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	91.45	31.01
28 46 21 17-0173	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	141.64	31.01
28 46 21 17-0174	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	91.45	31.01
28 46 21 17-0175	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	141.64	31.01
28 46 21 17-0176	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	45.31	16.54
28 46 21 17-0177	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	45.31	16.54
28 46 21 17-0178		Ceiling Speakers And Speaker Strobes (28 46 21 17-0144)		
28 46 21 17-0179	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	109.65	31.01
28 46 21 17-0180	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	141.64	31.01
28 46 21 17-0181	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	151.77	31.01
28 46 21 17-0182		Harsh Environment Signals (28 46 21 17-0144)		
28 46 21 17-0183	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	97.19	31.01
28 46 21 17-0184	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	137.14	31.01
28 46 21 17-0185	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	137.14	31.01
28 46 21 17-0186	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	125.27	31.01
28 46 21 17-0187	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	117.37	31.01
28 46 21 17-0188	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	125.27	31.01
28 46 21 17-0189	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	125.27	31.01
28 46 21 17-0190	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	125.27	31.01
28 46 21 17-0191	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	138.44	35.15
28 46 21 17-0192	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	138.44	35.15
28 46 21 17-0193	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	102.05	31.01
28 46 21 17-0194	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	133.42	31.01
28 46 21 17-0195		Fire Alarm Bells (28 46 21 17-0144)		
28 46 21 17-0196	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	148.23	31.01
28 46 21 17-0197	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	118.39	31.01
28 46 21 17-0198	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	131.12	31.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0199			Multiple Tone Signal (28 46 21 17-0144)		
28 46 21 17-0200	EA		27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	957.32	926.30
28 46 21 17-0201			Multi-Purpose Loudspeaker (28 46 21 17-0144)		
28 46 21 17-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	195.81	31.01
28 46 21 17-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	195.81	31.01
28 46 21 17-0204			Bell/Strobe Plate (28 46 21 17-0144)		
28 46 21 17-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	99.02	16.54
28 46 21 17-0206			Mounting Accessories (28 46 21 17-0144)		
28 46 21 17-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	46.24	16.54
28 46 21 17-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	46.24	16.54
28 46 21 17-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	46.24	16.54
28 46 21 17-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	46.24	16.54
28 46 21 17-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	46.24	16.54
28 46 21 17-0212			Firefighters' Telephones (28 46 21 17-0144)		
28 46 21 17-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	856.45	51.69
28 46 21 17-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	479.92	51.69
28 46 21 17-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	344.32	51.69
28 46 21 17-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	249.79	51.69
28 46 21 17-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	463.04	51.69
28 46 21 17-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	283.53	51.69
28 46 21 17-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	522.80	51.69
28 46 21 17-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	294.77	51.69
28 46 21 17-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	599.32	51.69
28 46 21 17-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	64.63	16.54
28 46 21 17-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	74.42	16.54
28 46 21 17-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	105.65	
28 46 21 17-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	105.65	
28 46 21 17-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	158.82	20.68
28 46 21 17-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	197.79	20.68
28 46 21 17-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	139.34	20.68
28 46 21 17-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	133.61	20.68
28 46 21 17-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	97.63	31.01
28 46 21 17-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	884.98	41.35
28 46 21 17-0232			Mass Notification EC Appliances (28 46 21 17-0144)		
28 46 21 17-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	115.10	31.01
28 46 21 17-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	111.06	31.01
28 46 21 17-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	115.10	31.01
28 46 21 17-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	111.06	31.01
28 46 21 17-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	17.25	6.20
28 46 21 17-0238			Hazardous Location Devices (28 46 21 17-0002)		
28 46 21 17-0239			Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 21 17-0238)		
28 46 21 17-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	98.60	31.01
28 46 21 17-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	98.60	31.01
28 46 21 17-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	102.54	31.01
28 46 21 17-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	102.54	31.01
28 46 21 17-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	138.96	31.01
28 46 21 17-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	138.96	31.01
28 46 21 17-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	102.54	31.01
28 46 21 17-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	102.54	31.01
28 46 21 17-0248			Hazardous Locations Fire Alarm Station (28 46 21 17-0238)		
28 46 21 17-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53).....	907.50	51.69
28 46 21 17-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	863.81	51.69
28 46 21 17-0251			Hazardous Location Strobes (28 46 21 17-0238)		
28 46 21 17-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	1,351.25	31.01
28 46 21 17-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B).....	251.96	10.34
28 46 21 17-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C).....	329.68	12.41

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0255 EA Pendant Mounting Module (EST3 116EX-P)	241.75	12.41
28 46 21 17-0256 Hazardous Location Bells (28 46 21 17-0238)		
28 46 21 17-0257 EA 6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	974.64	31.01
28 46 21 17-0258 EA 8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	999.93	31.01
28 46 21 17-0259 EA 10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,009.04	31.01
28 46 21 17-0260 Hazardous Location Horns (28 46 21 17-0238)		
28 46 21 17-0261 EA Hazardous Location Horns (EST3 888D-N5)	952.84	31.01
28 46 21 17-0262 EA Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	777.83	31.01
28 46 21 17-0263 Door Holders And Relays (28 46 21 17-0002)		
28 46 21 17-0264 Electromagnetic Door Holders (28 46 21 17-0263)		
28 46 21 17-0265 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	169.07	31.01
28 46 21 17-0266 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	219.83	31.01
28 46 21 17-0267 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	143.15	31.01
28 46 21 17-0268 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	143.15	31.01
28 46 21 17-0269 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	145.49	31.01
28 46 21 17-0270 EA 24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	147.72	31.01
28 46 21 17-0271 Control Relays, Multi-Voltage (28 46 21 17-0263)		
28 46 21 17-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	34.19	6.20
28 46 21 17-0273 FireShield Plus (28 46 21 17-0002)		
28 46 21 17-0274 3 Zone System (28 46 21 17-0273)		
28 46 21 17-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	910.85	248.11
28 46 21 17-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,329.08	330.80
28 46 21 17-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	910.85	248.11
28 46 21 17-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,329.08	330.80
28 46 21 17-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	64.42	10.34
28 46 21 17-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	64.42	10.34
28 46 21 17-0281 5 Zone System (28 46 21 17-0273)		
28 46 21 17-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	981.64	248.11
28 46 21 17-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,395.82	330.80
28 46 21 17-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	981.64	248.11
28 46 21 17-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,395.82	330.80
28 46 21 17-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	64.42	10.34
28 46 21 17-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	64.42	10.34
28 46 21 17-0288 10 Zone System (28 46 21 17-0273)		
28 46 21 17-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,420.09	330.80
28 46 21 17-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,838.32	413.51
28 46 21 17-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,389.75	330.80
28 46 21 17-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,838.32	413.51
28 46 21 17-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	75.37	10.34
28 46 21 17-0294 EA NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	137.66	20.68
28 46 21 17-0295 FireShield Plus Off Premise Communication Options (28 46 21 17-0273)		
28 46 21 17-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	304.29	20.68
28 46 21 17-0297 FireShield Plus Remote LED Annunciators (28 46 21 17-0273)		
28 46 21 17-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	127.66	31.01
28 46 21 17-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	127.66	31.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0300	EA		Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	132.82	31.01
28 46 21 17-0301	EA		Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	25.57	6.20
28 46 21 17-0302	EA		Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	32.17	6.20
28 46 21 17-0303	EA		Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	48.02	6.20
28 46 21 17-0304			FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 17-0273)		
28 46 21 17-0305	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	405.88	31.01
28 46 21 17-0306	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	446.33	31.01
28 46 21 17-0307	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	142.48	20.68
28 46 21 17-0308			FireShield Plus Remote Relays And Interfaces (28 46 21 17-0273)		
28 46 21 17-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	150.73	20.68
28 46 21 17-0310	EA		11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	62.07	12.41
28 46 21 17-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	241.59	20.68
28 46 21 17-0312			FireShield Plus Accessories (28 46 21 17-0273)		
28 46 21 17-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	13.93	
28 46 21 17-0314	EA		4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	8.40	
28 46 21 17-0315			iO Series Fire Control Panels (28 46 21 17-0002)		
28 46 21 17-0316			Intelligent Analog Control Panels (28 46 21 17-0315)		
28 46 21 17-0317	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	2,721.97	413.51
28 46 21 17-0318	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	2,918.16	413.51
28 46 21 17-0319	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	2,172.72	330.80
28 46 21 17-0320	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,263.74	330.80
28 46 21 17-0321			Option Modules And Accessories For iO Series (28 46 21 17-0315)		
28 46 21 17-0322	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	264.29	31.01
28 46 21 17-0323	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	163.16	31.01
28 46 21 17-0324	EA		Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	163.16	31.01
28 46 21 17-0325	EA		Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	142.48	20.68
28 46 21 17-0326	EA		Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	296.02	16.54
28 46 21 17-0327	EA		Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	538.74	16.54
28 46 21 17-0328	EA		Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	63.16	10.34
28 46 21 17-0329	EA		Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	73.27	10.34
28 46 21 17-0330	EA		Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	992.89	41.35
28 46 21 17-0331			Remote Annunciators For iO Series (28 46 21 17-0315)		
28 46 21 17-0332	EA		Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	542.40	31.01
28 46 21 17-0333	EA		Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	567.69	31.01
28 46 21 17-0334			Remote Annunciator Accessories (28 46 21 17-0315)		
28 46 21 17-0335	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	61.13	10.34
28 46 21 17-0336	EA		12 Expander Cable (Cable Only) (EST3 7120313-01).....	40.91	10.34
28 46 21 17-0337	EA		24 Expander Cable (Cable Only) (EST3 7120313-02).....	56.07	10.34
28 46 21 17-0338	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	163.16	31.01
28 46 21 17-0339	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	188.44	31.01
28 46 21 17-0340	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	213.73	31.01
28 46 21 17-0341	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	40.91	10.34
28 46 21 17-0342	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	40.91	10.34
28 46 21 17-0343	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	85.10	10.34
28 46 21 17-0344			System Accessories (28 46 21 17-0315)		
28 46 21 17-0345	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	301.35	41.35

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0346	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,351.73	330.80
28 46 21 17-0347			Conventional Initiating Devices (28 46 21 17-0002)		
28 46 21 17-0348			Detectors, Heat, Double Pole (28 46 21 17-0347)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 17-0349	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	116.53	31.01
28 46 21 17-0350	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	116.53	31.01
28 46 21 17-0351	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	116.53	31.01
28 46 21 17-0352	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	116.53	31.01
28 46 21 17-0353			Detectors, Rate Compensation Heat, Accessories (28 46 21 17-0347)		
28 46 21 17-0354	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	70.17	31.01
28 46 21 17-0355	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	198.40	16.54
28 46 21 17-0356	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	61.06	20.68
28 46 21 17-0357			Detectors, Heat, Fire-Lite (28 46 21 17-0347)		
			Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 17-0358	EA		Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	108.79	31.01
28 46 21 17-0359	EA		Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	108.79	31.01
28 46 21 17-0360			Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 17-0002)		
28 46 21 17-0361			Audio Notification Panels (28 46 21 17-0360)		
28 46 21 17-0362	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,830.61	413.51
28 46 21 17-0363	EA		Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	3,830.61	413.51
28 46 21 17-0364	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,849.63	413.51
28 46 21 17-0365	EA		Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	2,849.63	413.51
28 46 21 17-0366	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	3,335.07	413.51
28 46 21 17-0367	EA		Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	3,335.07	413.51
28 46 21 17-0368			Audio Notification Expander Panels (28 46 21 17-0360)		
28 46 21 17-0369	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	2,930.54	413.51
28 46 21 17-0370	EA		Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,930.54	413.51
28 46 21 17-0371	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,979.91	413.51
28 46 21 17-0372	EA		Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	1,979.91	413.51
28 46 21 17-0373	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,536.13	413.51
28 46 21 17-0374	EA		Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,536.13	413.51
28 46 21 17-0375			Audio Notification Output Accessories (28 46 21 17-0360)		
28 46 21 17-0376	EA		Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	111.70	10.34
28 46 21 17-0377	EA		Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	496.44	20.68
28 46 21 17-0378	EA		Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	496.44	20.68
28 46 21 17-0379	EA		Class A Converter (GE ANSZSC4A)	354.86	20.68
28 46 21 17-0380			Audio Notification Remote Microphone (28 46 21 17-0360)		
28 46 21 17-0381	EA		Microphone (GE ANSMIKE)	132.37	20.68
28 46 21 17-0382	EA		Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	547.01	20.68
28 46 21 17-0383	EA		Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	547.01	20.68
28 46 21 17-0384	EA		Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	121.81	10.34
28 46 21 17-0385	EA		Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	66.18	10.34
28 46 21 17-0386			Audio Notification Accessories (28 46 21 17-0360)		
28 46 21 17-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX).....	223.39	20.68
28 46 21 17-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP)	223.39	20.68
28 46 21 17-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	223.39	20.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8)	496.44	20.68
28 46 21 17-0391			Audio Notification Modules, Without Cabinet And Transformer <small>(28 46 21 17-0360)</small>		
28 46 21 17-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	1,812.05	41.35
28 46 21 17-0393	EA		100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM)..... Note: Excludes cabinet.	1,903.07	41.35
28 46 21 17-0394	EA		100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	2,631.22	41.35
28 46 21 17-0395	EA		25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)..... Note: Excludes cabinet.	992.89	41.35
28 46 21 17-0396	EA		25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	992.89	41.35
28 46 21 17-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,812.05	41.35
28 46 21 17-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	1,447.98	41.35
28 46 21 17-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	1,539.00	41.35
28 46 21 17-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	2,267.15	41.35
28 46 21 17-0401	EA		Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180).....	111.70	10.34
28 46 21 17-0402	EA		Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885).....	82.41	10.34
28 46 21 17-0403			Simplex Fire Alarm <small>(28 46 21 17)</small>		
28 46 21 17-0404			4100 Fire Alarm Control Panel <small>(28 46 21 17-0403)</small>		
28 46 21 17-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	4,716.91	412.52
28 46 21 17-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	5,156.24	412.52
28 46 21 17-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	7,457.19	412.52
28 46 21 17-0408	EA		Up To 127 Points, IDNet Module, (Simplex 4100-3104)..... Note: Add-on module.	2,990.47	412.52
28 46 21 17-0409	EA		Up To 64 Points, IDNet Module, (Simplex 4100-3105)..... Note: Add-on module.	2,320.48	412.52
28 46 21 17-0410	EA		Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	1,521.06	103.12
28 46 21 17-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)..... Note: Add-on module.	318.29	20.63
28 46 21 17-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038)..... Note: Add-on module.	917.79	20.63
28 46 21 17-0413			4100U Backbox <small>(28 46 21 17-0403)</small>		
28 46 21 17-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)..... Note: 24" x 40" beige backbox.	1,586.53	82.51
28 46 21 17-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)..... Note: 24" x 56" beige backbox.	2,238.34	82.51
28 46 21 17-0416			DACT (Digital Alarm Communicator Transmitter) <small>(28 46 21 17-0403)</small>		
28 46 21 17-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104)	869.12	41.25
28 46 21 17-0418			4010 Fire Alarm Control Panel <small>(28 46 21 17-0403)</small>		
28 46 21 17-0419	EA		120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	4,447.57	412.52
28 46 21 17-0420	EA		240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	4,314.06	412.52
28 46 21 17-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	162.56	20.63
28 46 21 17-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	714.38	20.63
28 46 21 17-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	983.16	20.63
28 46 21 17-0424	EA		120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	503.89	20.63
28 46 21 17-0425	EA		240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	545.50	20.63
28 46 21 17-0426	EA		Battery Meter Module Expansion Module (Simplex 4010-9820).....	202.99	20.63
28 46 21 17-0427			Printer <small>(28 46 21 17-0403)</small>		
28 46 21 17-0428	EA		24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,585.00	20.63
28 46 21 17-0429			NAC Panel / Power Booster <small>(28 46 21 17-0403)</small>		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0430	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.		1,013.47	103.12
28 46 21 17-0431		Battery <small>(28 46 21 17-0403)</small>			
28 46 21 17-0432	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.		639.38	20.63
28 46 21 17-0433	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.		423.83	20.63
28 46 21 17-0434	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.		150.82	20.63
28 46 21 17-0435		Interface Modules <small>(28 46 21 17-0403)</small>			
28 46 21 17-0436	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow/tamper, etc.		121.20	20.63
28 46 21 17-0437	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.		254.25	20.63
28 46 21 17-0438	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC		58.52	20.63
28 46 21 17-0439	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....		122.67	20.63
28 46 21 17-0440	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....		54.43	10.31
28 46 21 17-0441	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)		51.61	10.31
28 46 21 17-0442		Pull Stations <small>(28 46 21 17-0403)</small>			
28 46 21 17-0443	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)		149.74	20.63
28 46 21 17-0444	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....		106.05	20.63
28 46 21 17-0445	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102).....		114.49	20.63
28 46 21 17-0446	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)		102.24	20.63
28 46 21 17-0447	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)		120.13	20.63
28 46 21 17-0448	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)		184.41	20.63
28 46 21 17-0449	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)		153.93	20.63
28 46 21 17-0450	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....		182.10	20.63
28 46 21 17-0451	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)		82.57	20.63
28 46 21 17-0452	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)		87.73	20.63
28 46 21 17-0453	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....		104.33	20.63
28 46 21 17-0454	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....		164.67	20.63
28 46 21 17-0455	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)		288.08	20.63
28 46 21 17-0456	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....		91.96	20.63
28 46 21 17-0457	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)		57.26	10.31
28 46 21 17-0458		Weatherproof Pull Stations <small>(28 46 21 17-0403)</small>			
28 46 21 17-0459	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)		145.30	24.75
28 46 21 17-0460	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)		94.69	10.31
28 46 21 17-0461		Heat / Smoke Sensor <small>(28 46 21 17-0403)</small>			
28 46 21 17-0462	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....		144.87	30.94
28 46 21 17-0463	EA	Photoelectric Smoke Sensor (Simplex 4098-9714).....		214.02	30.94
28 46 21 17-0464	EA	Sensor Base With Relay Driver (Simplex 4098-9791)		427.65	10.31
28 46 21 17-0465	EA	Standard Sensor Base (Simplex 4098-9792).....		216.25	10.31
28 46 21 17-0466	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)		121.72	20.63
		Note: Relay for 4098-9791			
28 46 21 17-0467		Explosion Proof Heat Detector <small>(28 46 21 17-0403)</small>			
28 46 21 17-0468	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....		153.71	30.94
28 46 21 17-0469	EA	Explosion Proof Backbox (Killark JLX-21).....		102.34	10.31
28 46 21 17-0470	EA	Explosion Proof Backbox Plugs (Killark CUP-2)		9.11	2.07
28 46 21 17-0471		Weatherproof Heat Detector <small>(28 46 21 17-0403)</small>			
28 46 21 17-0472	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)		109.28	30.94
28 46 21 17-0473		200 Degree F Heat Detector <small>(28 46 21 17-0403)</small>			
28 46 21 17-0474	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.		89.41	30.94
28 46 21 17-0475		Duct Smoke Sensor <small>(28 46 21 17-0403)</small>			
28 46 21 17-0476	EA	Duct Sensor Housing (Simplex 4098-9755).....		344.06	16.50
28 46 21 17-0477	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)..... Note: Relay output for AHU shutdown.		460.88	37.13
28 46 21 17-0478	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798)..... Note: 25", 49", 73" or 97" sampling tube length.		50.01	10.31
28 46 21 17-0479	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)		117.66	30.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0480 Interior Horn <small>(28 46 21 17-0403)</small>					
28 46 21 17-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	108.42	30.94
28 46 21 17-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	108.42	30.94
28 46 21 17-0483 Interior Horn Strobe <small>(28 46 21 17-0403)</small>					
28 46 21 17-0484	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	152.36	30.94
28 46 21 17-0485	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	152.36	30.94
28 46 21 17-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	142.33	30.94
28 46 21 17-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	142.33	30.94
28 46 21 17-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	142.33	30.94
28 46 21 17-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	142.33	30.94
28 46 21 17-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	145.70	30.94
28 46 21 17-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	145.70	30.94
28 46 21 17-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	151.60	30.94
28 46 21 17-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	148.88	30.94
28 46 21 17-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	151.60	30.94
28 46 21 17-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	148.88	30.94
28 46 21 17-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	142.33	30.94
28 46 21 17-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	142.33	30.94
28 46 21 17-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	142.33	30.94
28 46 21 17-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	142.33	30.94
28 46 21 17-0500 Interior Strobe <small>(28 46 21 17-0403)</small>					
28 46 21 17-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	121.04	30.94
28 46 21 17-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	121.04	30.94
28 46 21 17-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	120.99	30.94
28 46 21 17-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	121.04	30.94
28 46 21 17-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	133.77	30.94
28 46 21 17-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	133.77	30.94
28 46 21 17-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	134.59	30.94
28 46 21 17-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	136.81	30.94
28 46 21 17-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	136.81	30.94
28 46 21 17-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	136.81	30.94
28 46 21 17-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	121.04	30.94
28 46 21 17-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	121.04	30.94
28 46 21 17-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	121.04	30.94
28 46 21 17-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	121.04	30.94
28 46 21 17-0515 Interior Speakers <small>(28 46 21 17-0403)</small>					
28 46 21 17-0516	EA		Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	97.63	30.94
28 46 21 17-0517	EA		White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	97.63	30.94
28 46 21 17-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	97.63	30.94
28 46 21 17-0519 Interior Speaker Strobe <small>(28 46 21 17-0403)</small>					
28 46 21 17-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	162.28	30.94
28 46 21 17-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	162.28	30.94
28 46 21 17-0522 Surge Suppressors <small>(28 46 21 17-0403)</small>					
28 46 21 17-0523	EA		Overvoltage Suppressor (Simplex 2081-9044).....	107.21	6.19

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0524	EA		Isolated Loop Circuit Protector (Simplex 2081-9028).....	68.19	6.19
28 46 21 17-0525	EA		120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	230.82	6.19
28 46 21 17-0526	EA		24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	78.24	6.19
28 46 21 17-0527	EA		Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	117.72	10.31
28 46 21 17-0528	EA		120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	80.24	6.19
28 46 21 17-0529	EA		<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	60.13	6.19
28 46 21 17-0530			Boxes And Adapters (28 46 21 17-0403)		
28 46 21 17-0531	EA		Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	51.61	10.31
28 46 21 17-0532	EA		Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	48.80	10.31
28 46 21 17-0533	EA		Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	43.28	10.31
28 46 21 17-0534	EA		White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	35.44	10.31
28 46 21 17-0535			Accessories (28 46 21 17-0403)		
28 46 21 17-0536	EA		End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	23.90	10.31
28 46 21 17-0537			Siemens Fire Alarm (28 46 21 17)		
28 46 21 17-0538			Conventional Control Panels (28 46 21 17-0537)		
28 46 21 17-0539			SXL Batteries And Power Supplies (28 46 21 17-0538)		
28 46 21 17-0540	EA		6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	907.74	41.25
28 46 21 17-0541	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB).....	729.75	41.25
28 46 21 17-0542			Digital Fire Communicators (28 46 21 17-0538)		
28 46 21 17-0543	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129).....	706.29	41.25
28 46 21 17-0544			Addressable Control Panels (28 46 21 17-0537)		
28 46 21 17-0545			Fireseeker Equipment (28 46 21 17-0544)		
28 46 21 17-0546			FS-250 System Panels (28 46 21 17-0545)		
28 46 21 17-0547	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	2,132.45	412.52
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 17-0548	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,676.14	412.52
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 17-0549	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,582.34	330.01
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 17-0550	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	2,135.69	412.52
28 46 21 17-0551			FS-250 Optional Modules (28 46 21 17-0545)		
28 46 21 17-0552	EA		Main Board Module (Siemens FS-MB2)	914.21	41.25
28 46 21 17-0553	EA		Display Board Module (Siemens FS-DB2).....	714.38	20.63
28 46 21 17-0554	EA		Device Loop Card (Siemens FS-DLC).....	584.93	20.63
28 46 21 17-0555	EA		Releasing Module (Siemens FS-REL).....	258.08	20.63
28 46 21 17-0556	EA		Remote LCD Annunciator (Siemens FS-RD2).....	580.89	20.63
28 46 21 17-0557	EA		Relay Processor Card (Siemens FS-RU2).....	504.03	20.63
28 46 21 17-0558	EA		Relay Expander Board (Siemens FS-RE8).....	429.59	20.63
28 46 21 17-0559	EA		Serial Annunciator Processor Card (Siemens FS-SAU2).....	580.89	20.63
28 46 21 17-0560	EA		16 Output Annunciator Extender (Siemens FS-SAE16).....	452.25	20.63
28 46 21 17-0561	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT).....	410.99	20.63
28 46 21 17-0562	EA		Municipal Tie Module (Siemens FS-MT).....	348.69	20.63
28 46 21 17-0563	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	314.71	
28 46 21 17-0564	EA		Programming Cable Kit (Siemens CBL-UD)	82.93	10.31
28 46 21 17-0565	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	148.85	20.63
28 46 21 17-0566	EA		Releasing Power Transformer (Siemens FS-RPT-A).....	151.28	20.63
28 46 21 17-0567	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	172.16	16.50
28 46 21 17-0568	EA		Cabinet Trim Kit (Siemens RD-CAB-TK)	282.76	10.31
28 46 21 17-0569			Firefinder Systems (28 46 21 17-0544)		
28 46 21 17-0570			XLS Basic Fire System Packages Without Backbox (28 46 21 17-0569)		
28 46 21 17-0571	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)	7,599.00	412.52
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 17-0572	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	6,675.07	412.52
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0573 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	6,675.07	412.52
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 17-0574 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	11,267.24	412.52
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 21 17-0575 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	11,650.73	412.52
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 21 17-0576 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	6,582.03	412.52
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 17-0577 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	6,582.03	412.52
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 17-0578 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	7,662.92	412.52
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 17-0579	Firefinder - XLS Basic System Equipment (28 46 21 17-0569)	
28 46 21 17-0580 EA Person Machine Interface With Central Processor (Siemens PMI).....	3,521.59	412.52
Note: Includes inner door.		
28 46 21 17-0581 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	5,909.10	412.52
Note: Includes inner door.		
28 46 21 17-0582 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	3,521.59	412.52
Note: Includes inner door.		
28 46 21 17-0583 EA Two Slot Card Cage (Siemens CC-2).....	442.54	20.63
28 46 21 17-0584 EA Five Slot Card Cage (Siemens CC-5).....	750.79	20.63
28 46 21 17-0585 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,074.41	20.63
28 46 21 17-0586 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,122.14	20.63
28 46 21 17-0587 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	351.93	20.63
28 46 21 17-0588 EA Device Loop Card (Siemens DLC).....	1,274.24	20.63
Note: Interfaces with up to 252 detectors and devices.		
28 46 21 17-0589 EA Controllable Relay Card (Siemens CRC-6).....	720.04	20.63
Note: Provides six programmable relays.		
28 46 21 17-0590 EA 12 Amperes Power Supply Charger Module (Siemens PSC-12).....	2,737.81	20.63
28 46 21 17-0591 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	4,600.87	412.52
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 21 17-0592 EA Network Interface Card (Siemens NIC-C).....	843.02	20.63
Note: Provides HNET Or XNET communication between enclosures.		
28 46 21 17-0593 EA 12 Amperes Power Supply Extender (Siemens PSX-12).....	2,276.66	20.63
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 21 17-0594 EA Power Termination Board (Siemens PTB).....	381.05	20.63
Note: Used with systems requiring more than one PSX-12.		
28 46 21 17-0595 EA Conventional Detector Card (Siemens CDC-4).....	812.27	20.63
28 46 21 17-0596 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,594.63	20.63
28 46 21 17-0597 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	5,743.43	20.63
28 46 21 17-0598	Remote Lobby Enclosure (28 46 21 17-0569)	
28 46 21 17-0599 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,044.45	82.51
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 17-0600 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,351.89	82.51
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 17-0601 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	165.03	20.63
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 21 17-0602 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	180.41	20.63
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 21 17-0603	Battery Enclosures (28 46 21 17-0569)	
28 46 21 17-0604 EA Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	643.16	82.51
28 46 21 17-0605	Graphic Annunciator Output Drivers And Inputs (28 46 21 17-0569)	
28 46 21 17-0606 EA Output Control Module (Siemens OCM-16).....	519.40	20.63
28 46 21 17-0607 EA Supervised Input Module (Siemens SIM-16).....	519.40	20.63
28 46 21 17-0608	Remote LCD Displays (28 46 21 17-0569)	
28 46 21 17-0609 EA Remote LED/LCD System Status Display (Siemens SSD).....	1,202.21	61.88
Note: No control or menu capability.		
28 46 21 17-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,356.74	61.88

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21	17-0611	Voice Equipment (28 46 21 17-0569)			
28 46 21	17-0612	EA 40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,199.81		20.63
28 46 21	17-0613	EA 180 Watts Zone Amplifier Module (Siemens ZAM-180)	2,661.76		20.63
28 46 21	17-0614	EA Live Voice Module (Siemens LVM)	1,119.71		20.63
		Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.			
28 46 21	17-0615	MXL Series Equipment (28 46 21 17-0544)			
28 46 21	17-0616	MXL Optional Equipment (28 46 21 17-0615)			
28 46 21	17-0617	EA Two Circuit Analog Loop Driver (Siemens ALD-21)	1,289.61		41.25
28 46 21	17-0618	EA CXL/MXL Interface Module (Siemens CMI-300)	3,342.17		20.63
28 46 21	17-0619	EA Four Relay Programmable Relay Module (Siemens CRM-4)	571.99		20.63
28 46 21	17-0620	EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	690.92		20.63
28 46 21	17-0621	EA Remote Conventional Zone Module (Siemens CZM-1B6)	258.88		20.63
28 46 21	17-0622	EA Short Circuit Line Isolator Module (Siemens Model LIM-1)	159.37		20.63
28 46 21	17-0623	EA Four Circuit Conventional Zone Module (Siemens CZM-4)	672.31		20.63
28 46 21	17-0624	EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	239.87		30.94
28 46 21	17-0625	EA Lexan Window For RCC (Siemens GENBOX-WD)	163.26		16.50
28 46 21	17-0626	EA Input Driver Module (Siemens MID-16)	440.11		20.63
28 46 21	17-0627	EA Programmable Output Driver Module (Siemens MOD-16)	440.11		20.63
28 46 21	17-0628	EA MXL Output/Input Module (Siemens MOI-7)	705.48		20.63
28 46 21	17-0629	EA Two Slot Network Option Module Card Cage (Siemens MOM-2)	374.58		20.63
28 46 21	17-0630	EA Four Slot Network Option Module Card Cage (Siemens MOM-4)	590.59		20.63
28 46 21	17-0631	EA 12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	1,451.40		61.88
28 46 21	17-0632	EA 12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	1,451.40		61.88
28 46 21	17-0633	EA Network Interface Module (Siemens NIM-1W)	1,053.37		20.63
28 46 21	17-0634	EA U.L. Listed Parallel Printer (Siemens PAL-1)	2,753.97		82.51
28 46 21	17-0635	EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	307.43		20.63
28 46 21	17-0636	EA Surface Mounted Remote Command Center (Siemens RCC-1)	2,981.15		412.52
28 46 21	17-0637	EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	368.10		41.25
28 46 21	17-0638	EA Flush Mounted Remote Command Center (Siemens RCC-1F)	2,981.15		412.52
28 46 21	17-0639	EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	377.81		41.25
28 46 21	17-0640	EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	2,281.32		412.52
28 46 21	17-0641	EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	3,437.45		412.52
28 46 21	17-0642	EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	57.04		10.31
28 46 21	17-0643	EA Remote Diagnostics Module For MXL (Siemens RDM-MXL)	4,289.57		41.25
28 46 21	17-0644	EA Remote Diagnostics Module For PC (Siemens RDM-PC)	9,141.44		41.25
28 46 21	17-0645	EA Releasing End Of Line Module (Siemens REL-EOL)	129.44		20.63
28 46 21	17-0646	EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,733.77		41.25
28 46 21	17-0647	EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	2,609.98		41.25
28 46 21	17-0648	EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,379.39		82.51
28 46 21	17-0649	Complete MXL And MXLV System Packages Without Enclosure (28 46 21 17-0615)			
28 46 21	17-0650	EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP)	9,941.20		412.52
		Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.			
28 46 21	17-0651	EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)	12,973.52		412.52
		Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.			
28 46 21	17-0652	EA MXLV Demonstration Panel (Siemens MXLV DEMO)	27,135.14		412.52
28 46 21	17-0653	MXL Basic System (28 46 21 17-0615)			
28 46 21	17-0654	EA MXL/MXLV Main Control Board (Siemens MMB-3)	6,125.72		412.52
28 46 21	17-0655	EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)	7,937.19		412.52
		Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.			
28 46 21	17-0656	EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	2,304.97		41.25
28 46 21	17-0657	EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,889.10		41.25
28 46 21	17-0658	EA 6 Amperes Power Supply For MXL (Siemens MPS-6)	997.52		61.88
28 46 21	17-0659	EA 220/240 Volt AC Adapter Cable (Siemens CIA-12)	73.22		10.31
28 46 21	17-0660	MXL/MXLV System Expansion Accessories (28 46 21 17-0615)			
28 46 21	17-0661	EA MXL Remote Power Supply Module (Siemens PSR-1)	1,226.49		61.88
28 46 21	17-0662	EA Style 4 Communication Module (Siemens NET-4)	250.79		20.63
28 46 21	17-0663	EA Style 7 Communication Module (Siemens NET-7)	458.72		20.63
28 46 21	17-0664	EA MXL/MXLV IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	274.26		20.63
28 46 21	17-0665	Peripheral Devices (28 46 21 17-0544)			
28 46 21	17-0666	Thermal Detectors (28 46 21 17-0665)			
28 46 21	17-0667	EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	101.52		30.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0668	EA		Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	101.52	30.94
28 46 21 17-0669	EA		135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	101.52	30.94
28 46 21 17-0670	EA		200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	101.52	30.94
28 46 21 17-0671	EA		Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	162.20	30.94
28 46 21 17-0672	EA		Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	162.20	30.94
28 46 21 17-0673	EA		Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	407.34	30.94
28 46 21 17-0674			Beam Smoke Detector (28 46 21 17-0665)		
28 46 21 17-0675	EA		Linear Beam Smoke Detector (Siemens PBA-1191)	1,941.38	30.94
28 46 21 17-0676	EA		Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	221.27	10.31
28 46 21 17-0677	EA		20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	223.70	10.31
28 46 21 17-0678	EA		10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	113.67	10.31
28 46 21 17-0679			Bases For Detectors (28 46 21 17-0665)		
28 46 21 17-0680	EA		Detector Base (Siemens DB-11).....	32.77	10.31
28 46 21 17-0681	EA		Universal Base (Siemens DB-3S)	30.34	10.31
28 46 21 17-0682			Manual Stations (28 46 21 17-0665)		
28 46 21 17-0683	EA		Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	242.86	24.75
28 46 21 17-0684			Addressable Devices (28 46 21 17-0544)		
28 46 21 17-0685			Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 17-0684)		
28 46 21 17-0686	EA		Addressable Fireprint Fire Detector (Siemens HFP-11)	201.04	30.94
28 46 21 17-0687	EA		Addressable Thermal Fire Detector (Siemens HFPT-11)	172.72	30.94
28 46 21 17-0688	EA		Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	139.55	30.94
28 46 21 17-0689	EA		Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	91.81	30.94
28 46 21 17-0690	EA		Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	91.81	30.94
28 46 21 17-0691	EA		Addressable Single Action Manual Pull Station (Siemens HMS-S)	211.96	20.63
28 46 21 17-0692	EA		Addressable Double Action Manual Pull Station (Siemens HMS-D)	202.25	20.63
28 46 21 17-0693	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	159.37	20.63
28 46 21 17-0694	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	195.78	20.63
28 46 21 17-0695	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	195.78	20.63
28 46 21 17-0696	EA		Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	147.24	20.63
28 46 21 17-0697	EA		Line Isolator Module (Siemens HLIM).....	152.09	20.63
28 46 21 17-0698	EA		Remote Convention Zone Module (Siemens HZM)	226.52	20.63
28 46 21 17-0699	EA		Intelligent Control Point Module (Siemens HCP)	288.01	20.63
28 46 21 17-0700	EA		Handheld Programming And Testing Unit (Siemens DPU).....	1,282.75	
28 46 21 17-0701	EA		DPU Carrying Case (Siemens DPU-C1).....	196.84	
28 46 21 17-0702	EA		Label Printer And Carrying Case (Siemens DPU-PRT).....	2,196.56	20.63
28 46 21 17-0703			Air Duct Housings And Detectors (28 46 21 17-0684)		
28 46 21 17-0704	EA		Air-Duct Housing (Siemens AD2-P).....	232.84	16.50
28 46 21 17-0705	EA		Air-Duct Housing With Relay (Siemens AD2-XHR)	263.58	16.50
28 46 21 17-0706	EA		Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	210.34	20.63
28 46 21 17-0707	EA		6" To 1' Duct Sampling Tube (Siemens ST-10)	28.56	6.19
28 46 21 17-0708	EA		>1' To 3' Duct Sampling Tube (Siemens ST-25).....	35.11	8.25
28 46 21 17-0709	EA		>3' To 5' Duct Sampling Tube (Siemens ST-50).....	44.09	10.31
28 46 21 17-0710	EA		>5' To 10' Duct Sampling Tube (Siemens ST-100).....	51.45	12.38
28 46 21 17-0711			Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 17-0684)		
28 46 21 17-0712	EA		Addressable Fireprint Fire Detector (Siemens FP-11).....	209.94	30.94
28 46 21 17-0713	EA		Addressable Thermal Fire Detector (Siemens FPT-11).....	180.00	30.94
28 46 21 17-0714	EA		Intelligent Ionization Smoke Detector (Siemens ILI-1)	232.59	30.94
28 46 21 17-0715	EA		Addressable Single Action Manual Pull Station (Siemens MSI-10B)	206.30	20.63
28 46 21 17-0716	EA		Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	228.14	20.63
28 46 21 17-0717	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	208.72	20.63
28 46 21 17-0718	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	231.38	20.63
28 46 21 17-0719	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	231.38	20.63
28 46 21 17-0720			Detector Universal Bases (28 46 21 17-0684)		
28 46 21 17-0721	EA		Detector Base With Relay (Siemens DB-X11RS).....	97.49	10.31
28 46 21 17-0722	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	48.95	10.31
28 46 21 17-0723	EA		Locking Kit (Siemens LK-11)	8.90	
28 46 21 17-0724	EA		Detector Base With Relay (Siemens DB-X3RS).....	97.49	10.31
28 46 21 17-0725	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	113.67	10.31
28 46 21 17-0726	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	46.52	10.31
28 46 21 17-0727	EA		Flush Trim Ring For Bases (Siemens RA-ADB)	22.09	6.19
28 46 21 17-0728	EA		Seal For DB-11 (Siemens DB11-SEAL)	10.85	
28 46 21 17-0729	EA		Gasket For DB-11 (Siemens DB-SEAL)	11.91	
28 46 21 17-0730	EA		Detector Guard Housing (Siemens DGH-11).....	143.61	10.31
28 46 21 17-0731	EA		Small Detector Base (Siemens DB-11E)	36.00	10.31
28 46 21 17-0732	EA		Audible Base For Series 3 (Siemens ADBI-60A).....	128.23	10.31
28 46 21 17-0733	EA		Base Plug (Siemens DB-11-DP).....	8.86	
28 46 21 17-0734			Air Duct Smoke Detectors (28 46 21 17-0684)		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	106.78		20.63
28 46 21 17-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	564.71		20.63
28 46 21 17-0737		Notification Devices (28 46 21 17-0544)			
28 46 21 17-0738		Synchronization Control Devices (28 46 21 17-0737)			
28 46 21 17-0739	EA	Dual Synchronization Control Module (Siemens DSC).....	159.37		20.63
28 46 21 17-0740		Stand Alone Strobes (28 46 21 17-0737)			
28 46 21 17-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	130.65		30.94
28 46 21 17-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	142.78		30.94
28 46 21 17-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	130.65		30.94
28 46 21 17-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	142.78		30.94
28 46 21 17-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	142.78		30.94
28 46 21 17-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	130.65		30.94
28 46 21 17-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	151.68		30.94
28 46 21 17-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	145.21		30.94
28 46 21 17-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	145.21		30.94
28 46 21 17-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	155.73		30.94
28 46 21 17-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	155.73		30.94
28 46 21 17-0752		Horns And Strobes (28 46 21 17-0737)			
28 46 21 17-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	178.38		30.94
28 46 21 17-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	188.90		30.94
28 46 21 17-0755	EA	Wall Mounted Horn (Siemens SE-R)	101.52		30.94
28 46 21 17-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	178.38		30.94
28 46 21 17-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	188.90		30.94
28 46 21 17-0758	EA	Ceiling Mounted Horn (Siemens SEC-R)	106.38		30.94
28 46 21 17-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	178.38		30.94
28 46 21 17-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	188.90		30.94
28 46 21 17-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	101.52		30.94
28 46 21 17-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	178.38		30.94
28 46 21 17-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	188.90		30.94
28 46 21 17-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	106.38		30.94
28 46 21 17-0765	EA	Mini Horn (Siemens MH-R)	83.72		30.94
28 46 21 17-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	108.00		30.94
28 46 21 17-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	167.87		30.94
28 46 21 17-0768	EA	Industrial Tri-Tone Horn (Siemens ASR)	486.63		30.94
28 46 21 17-0769	EA	Wall Mounted Horn (Siemens HS-R)	108.00		30.94
28 46 21 17-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	168.67		30.94
28 46 21 17-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	181.62		30.94
28 46 21 17-0772	EA	6" Motor Bell (Siemens MBDC-6)	124.18		30.94
28 46 21 17-0773	EA	10" Motor Bell (Siemens MBDC-10).....	136.31		30.94
28 46 21 17-0774		Mounting Accessories (28 46 21 17-0737)			
28 46 21 17-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R).....	30.34		10.31
28 46 21 17-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	30.34		10.31
28 46 21 17-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	31.15		10.31
28 46 21 17-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	50.56		10.31
28 46 21 17-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	40.05		10.31
28 46 21 17-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	42.47		10.31
28 46 21 17-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R)	45.71		10.31
28 46 21 17-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	36.00		10.31
28 46 21 17-0783	EA	Semi-Flush Plate (Siemens SFPS-R)	29.53		10.31
28 46 21 17-0784	EA	Square Surface Backbox (Siemens SHBBS-R)	36.00		10.31
28 46 21 17-0785	EA	Horn Adapter Plate (Siemens SHMPS-R).....	34.38		10.31
28 46 21 17-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	30.34		10.31
28 46 21 17-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	40.05		10.31
28 46 21 17-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	42.47		10.31
28 46 21 17-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R).....	40.86		10.31
28 46 21 17-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	45.71		10.31
28 46 21 17-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R).....	45.71		10.31
28 46 21 17-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	45.71		10.31
28 46 21 17-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R).....	42.47		10.31
28 46 21 17-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	42.47		10.31
28 46 21 17-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	30.34		10.31
28 46 21 17-0796	EA	Z Series Backbox (Siemens ZBB-R).....	34.38		10.31
28 46 21 17-0797		Door Holders (28 46 21 17-0737)			
28 46 21 17-0798	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	270.61		30.94
28 46 21 17-0799	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	270.61		30.94
28 46 21 17-0800		Voice Equipment (28 46 21 17-0544)			
28 46 21 17-0801		Voicecom (28 46 21 17-0800)			
28 46 21 17-0802	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	4,154.27		412.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	6,621.87	412.52
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28 46 21 17-0804 Honeywell Fire Alarm (28 46 21 17)

28 46 21 17-0805 Notifier Fire Alarm (28 46 21 17-0804)

28 46 21 17-0806 Fire Alarm Control Panel And Accessories (28 46 21 17-0805)

28 46 21 17-0807	EA		NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	3,978.08	412.52
28 46 21 17-0808	EA		NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	3,303.23	412.52
28 46 21 17-0809	EA		Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	3,970.14	412.52
28 46 21 17-0810	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	3,939.30	412.52
28 46 21 17-0811	EA		Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	3,840.45	412.52
28 46 21 17-0812	EA		Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	3,746.05	412.52
28 46 21 17-0813	EA		Two-Tone Sequential Module (Notifier 2TTM).....	248.62	20.63
28 46 21 17-0814	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	62.51	4.12
28 46 21 17-0815	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	119.81	8.25
28 46 21 17-0816	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	181.95	12.38
28 46 21 17-0817	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	288.38	
28 46 21 17-0818	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	53.58	
28 46 21 17-0819	EA		120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	3,671.73	412.52
28 46 21 17-0820	EA		240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	3,708.15	412.52
28 46 21 17-0821	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	154.67	4.12
28 46 21 17-0822	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	47.64	4.12
28 46 21 17-0823	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	67.60	8.25
28 46 21 17-0824	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	66.71	10.31
28 46 21 17-0825	EA		IP Communicator (Notifier IPDACT-2).....	502.07	20.63
28 46 21 17-0826	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	582.34	20.63
28 46 21 17-0827	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	136.39	20.63
			Note: Includes IPBRKT.		
28 46 21 17-0828	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	136.02	20.63
			Note: Includes IPBRKT		
28 46 21 17-0829	EA		Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	34.86	8.25
28 46 21 17-0830	EA		Loop Control Module (Notifier LCM-320).....	1,413.69	41.25
28 46 21 17-0831	EA		Loop Expander Module (Notifier LEM-320).....	1,151.32	41.25
28 46 21 17-0832	EA		Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,074.06	41.25
28 46 21 17-0833	EA		7' DACT Phone Cord (Notifier MCBL-7).....	16.95	
28 46 21 17-0834	EA		Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	144.38	10.31
28 46 21 17-0835	EA		Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	165.00	20.63
28 46 21 17-0836	EA		Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	165.00	20.63
28 46 21 17-0837	EA		Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	641.37	20.63
28 46 21 17-0838	EA		Universal Zone Coder (Notifier UZC-256).....	895.66	20.63
28 46 21 17-0839	EA		Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	280.34	
			Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 17-0840	EA		Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	629.40	
28 46 21 17-0841	EA		ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	397.20	
28 46 21 17-0842	EA		Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	4,000.13	12.38

28 46 21 17-0843 ONYX Cabinets (28 46 21 17-0805)

28 46 21 17-0844	EA		Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	430.32	10.31
28 46 21 17-0845	EA		Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	577.67	10.31
28 46 21 17-0846	EA		Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	713.86	10.31
28 46 21 17-0847	EA		Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	86.44	12.38
28 46 21 17-0848	EA		Chassis Bridge (Notifier CB-1).....	78.42	10.31
28 46 21 17-0849	EA		Four Position Chassis (Notifier CHS-4).....	131.00	10.31
28 46 21 17-0850	EA		Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	145.34	20.63
28 46 21 17-0851	EA		Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	76.41	12.38
28 46 21 17-0852	EA		Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	96.66	12.38
28 46 21 17-0853	EA		One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	267.08	20.63
28 46 21 17-0854	EA		One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	170.93	20.63
28 46 21 17-0855	EA		Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	338.88	30.94
28 46 21 17-0856	EA		Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	210.96	30.94
28 46 21 17-0857	EA		Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	505.06	41.25
28 46 21 17-0858	EA		Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	310.11	41.25
28 46 21 17-0859	EA		Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	613.01	51.57
28 46 21 17-0860	EA		Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	360.71	51.57
28 46 21 17-0861	EA		Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	206.45	10.31
28 46 21 17-0862	EA		Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	142.52	10.31
28 46 21 17-0863	EA		Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	142.52	10.31
28 46 21 17-0864	EA		Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	210.16	10.31
28 46 21 17-0865	EA		Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	160.36	10.31
28 46 21 17-0866	EA		Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	265.91	10.31
28 46 21 17-0867	EA		Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	182.29	10.31
28 46 21 17-0868	EA		Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	316.45	10.31
28 46 21 17-0869	EA		Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	261.45	10.31
28 46 21 17-0870	EA		Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	468.82	10.31
28 46 21 17-0871	EA		Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	292.66	10.31
28 46 21 17-0872	EA		Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	560.98	10.31
28 46 21 17-0873	EA		Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	272.40	20.63

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0874	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	400.24		20.63
28 46 21 17-0875	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	468.62		20.63
28 46 21 17-0876	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	285.04		20.63
28 46 21 17-0877	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	428.49		20.63
28 46 21 17-0878	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	499.84		20.63
28 46 21 17-0879	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	274.63		20.63
28 46 21 17-0880	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	400.24		20.63
28 46 21 17-0881	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R)	474.57		20.63
28 46 21 17-0882	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	298.42		20.63
28 46 21 17-0883	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	428.49		20.63
28 46 21 17-0884	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	499.84		20.63
28 46 21 17-0885	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,658.74		103.12
28 46 21 17-0886	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	256.05		20.63
28 46 21 17-0887	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4)	273.72		61.88
28 46 21 17-0888	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4)	386.43		82.51
28 46 21 17-0889	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4)	505.52		82.51
28 46 21 17-0890	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4)	615.58		103.12
28 46 21 17-0891	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	162.40		20.63
28 46 21 17-0892	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R)	162.40		20.63
28 46 21 17-0893	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R)	196.59		20.63
28 46 21 17-0894	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	271.66		20.63
28 46 21 17-0895	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	395.79		20.63
28 46 21 17-0896	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	467.14		20.63
28 46 21 17-0897	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	155.19		12.38
28 46 21 17-0898	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	155.19		12.38
28 46 21 17-0899	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	208.34		12.38
28 46 21 17-0900	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	165.23		12.38
28 46 21 17-0901	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	166.34		12.38
28 46 21 17-0902	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	164.48		12.38
28 46 21 17-0903	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	168.57		12.38
28 46 21 17-0904	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B)	61.47		12.38
28 46 21 17-0905	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2)	41.85		4.12
28 46 21 17-0906		NFS2-3030/640 Cabinet Mechanicals (28 46 21 17-0805)			
28 46 21 17-0907	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	89.15		12.38
28 46 21 17-0908	EA	Blank Module Dress Plate (Notifier BM-1B)	74.15		12.38
28 46 21 17-0909	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	83.85		12.38
28 46 21 17-0910	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	202.73		10.31
28 46 21 17-0911	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	188.91		30.94
28 46 21 17-0912	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	92.68		12.38
28 46 21 17-0913		NFS-3030/640 Cabinet Mechanicals (28 46 21 17-0805)			
28 46 21 17-0914	EA	Annunciator Dress Plate (Notifier ADP-4B)	84.74		12.38
28 46 21 17-0915	EA	Blank Module Dress Plate (Notifier BMP-1)	53.86		12.38
28 46 21 17-0916	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	120.20		20.63
28 46 21 17-0917	EA	Module Dress Plate (Notifier MP-1B)	85.62		12.38
28 46 21 17-0918		Battery Cabinets (28 46 21 17-0805)			
28 46 21 17-0919	EA	Six Position Chassis (Notifier CHS-6)	78.57		20.63
28 46 21 17-0920	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB)	383.11		61.88
28 46 21 17-0921		Digital Voice (28 46 21 17-0805)			
28 46 21 17-0922	EA	Chassis Used With BB-XP (Notifier 18439)	39.58		10.31
28 46 21 17-0923	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	1,832.58		30.94
28 46 21 17-0924	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	1,780.87		30.94
28 46 21 17-0925	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	891.71		30.94
28 46 21 17-0926	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	385.63		30.94
28 46 21 17-0927	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	522.71		41.25
28 46 21 17-0928	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	650.94		51.57
28 46 21 17-0929	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	776.15		20.63
28 46 21 17-0930	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	776.15		20.63
28 46 21 17-0931	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	1,669.55		20.63
28 46 21 17-0932	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX)	81.39		10.31
28 46 21 17-0933	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	136.58		10.31
28 46 21 17-0934	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	137.32		10.31
28 46 21 17-0935	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	132.86		10.31
28 46 21 17-0936	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	134.35		10.31
28 46 21 17-0937	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	272.60		10.31
28 46 21 17-0938	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	208.67		10.31
28 46 21 17-0939	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	85.55		
28 46 21 17-0940	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	460.83		20.63
28 46 21 17-0941	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	465.07		20.63
28 46 21 17-0942	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	80.28		10.31
28 46 21 17-0943	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	104.77		20.63
28 46 21 17-0944	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	321.24		30.94
28 46 21 17-0945	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	161.29		20.63
28 46 21 17-0946	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	161.29		20.63
28 46 21 17-0947	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	206.45		10.31
28 46 21 17-0948	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	204.22		10.31
28 46 21 17-0949	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,309.80		20.63

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0950 EA Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,322.79	20.63
28 46 21 17-0951 EA Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,322.79	20.63
28 46 21 17-0952 EA 120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,352.14	20.63
28 46 21 17-0953 EA Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,439.29	20.63
28 46 21 17-0954 EA 120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,404.19	20.63
28 46 21 17-0955 EA Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,730.55	20.63
28 46 21 17-0956 EA Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,730.55	20.63
28 46 21 17-0957 EA 220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,491.54	20.63
28 46 21 17-0958 EA 220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,533.93	20.63
28 46 21 17-0959 EA 220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,600.04	20.63
28 46 21 17-0960 EA 120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,010.94	20.63
28 46 21 17-0961 EA 220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,038.06	20.63
28 46 21 17-0962 EA 120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	1,062.64	20.63
28 46 21 17-0963 EA 220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,098.24	20.63
28 46 21 17-0964 EA 120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,105.87	20.63
28 46 21 17-0965 EA 220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,138.93	20.63
28 46 21 17-0966 EA 120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,171.99	20.63
28 46 21 17-0967 EA 220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,231.32	20.63
28 46 21 17-0968 EA Dress Plate For CFFT-1 (Notifier DP-CFFT).....	92.91	10.31
28 46 21 17-0969 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	80.33	12.38
28 46 21 17-0970 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	92.68	12.38
28 46 21 17-0971 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	158.84	12.38
28 46 21 17-0972 EA WPS Power Amplifier (Notifier DPA3204P).....	548.13	20.63
28 46 21 17-0973 EA WPS Power Amplifier (Notifier DPA4001P).....	460.83	20.63
28 46 21 17-0974 EA Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	1,050.78	20.63
28 46 21 17-0975 EA 120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	783.77	20.63
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 21 17-0976 EA 220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	793.10	20.63
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 21 17-0977 EA Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,327.10	20.63
28 46 21 17-0978 EA 125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	511.68	20.63
28 46 21 17-0979 EA Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	240.44	20.63
28 46 21 17-0980 EA Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXX Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	240.44	20.63
28 46 21 17-0981 EA Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	240.44	20.63
28 46 21 17-0982 EA Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	103.13	20.63
28 46 21 17-0983 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	230.91	20.63
28 46 21 17-0984 EA Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,320.38	20.63
28 46 21 17-0985 EA Keypad For Digital Voice Command (Notifier DVC-KD).....	386.86	41.25
28 46 21 17-0986 EA Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	190.35	
28 46 21 17-0987 EA Portable Fireman's Telephone Handset (Notifier FHS).....	114.16	
28 46 21 17-0988 EA Red, Fireman's Telephone Handset (Notifier FHS-F).....	132.37	
28 46 21 17-0989 EA Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	331.12	20.63
28 46 21 17-0990 EA Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	331.12	20.63
28 46 21 17-0991 EA Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	54.15	6.19
28 46 21 17-0992 EA Paging Microphone Only (Notifier MIC-1).....	156.81	20.63
28 46 21 17-0993 EA Firefighter's Telephone Handset (Notifier TELH-1).....	130.52	
28 46 21 17-0994 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	384.41	20.63
28 46 21 17-0995 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	384.41	20.63
28 46 21 17-0996 Amplifiers <small>(28 46 21 17-0805)</small>		
28 46 21 17-0997 EA 30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	737.27	20.63
28 46 21 17-0998 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	1,606.20	20.63
28 46 21 17-0999 EA 120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	1,560.33	20.63
28 46 21 17-1000 EA Audio Coupling Transformer (Notifier ACT-1).....	114.47	20.63
28 46 21 17-1001 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	133.88	20.63
28 46 21 17-1002 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	133.88	20.63
28 46 21 17-1003 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	133.88	20.63
28 46 21 17-1004 FireVoice-25/50 Emergency Voice Evacuation Control Panels <small>(28 46 21 17-0805)</small>		
28 46 21 17-1005 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	3,510.43	412.52
28 46 21 17-1006 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,466.07	412.52
28 46 21 17-1007 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	3,213.35	412.52
28 46 21 17-1008 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	4,203.62	412.52
28 46 21 17-1009 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	4,657.99	412.52
28 46 21 17-1010 System Printer <small>(28 46 21 17-0805)</small>		
28 46 21 17-1011 EA 80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	1,595.62	20.63
28 46 21 17-1012 Batteries <small>(28 46 21 17-0805)</small>		
28 46 21 17-1013 EA 5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	428.49	20.63
28 46 21 17-1014 EA 7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	342.95	20.63
28 46 21 17-1015 EA 12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	450.57	20.63
28 46 21 17-1016 EA 18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	263.55	20.63
28 46 21 17-1017 EA 26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	367.65	20.63
28 46 21 17-1018 EA 55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	366.77	20.63
28 46 21 17-1019 EA 100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	582.72	20.63

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 17-1020		Battery Backboxes And Miscellaneous Mechanicals (28 46 21 17-0805)			
28 46 21 17-1021	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	118.10		16.50
28 46 21 17-1022	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)	198.00		16.50
		Note: XP6 modules require a CHS-6.			
28 46 21 17-1023	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26).....	304.39		82.51
28 46 21 17-1024	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	151.26		41.25
28 46 21 17-1025	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	84.92		10.31
28 46 21 17-1026	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	232.82		16.50
28 46 21 17-1027	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	157.87		16.50
28 46 21 17-1028	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	175.33		16.50
28 46 21 17-1029	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	186.85		16.50
28 46 21 17-1030		Power Supplies And Chargers (28 46 21 17-0805)			
28 46 21 17-1031	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,229.91		30.94
28 46 21 17-1032	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,290.94		30.94
28 46 21 17-1033	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,125.42		20.63
28 46 21 17-1034	EA	6A Auxiliary Power Supply (Notifier APS-6R)	708.81		20.63
28 46 21 17-1035	EA	10 Amperes Battery Charger (Notifier BC10A)	770.95		30.94
28 46 21 17-1036	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100)	423.36		24.75
		Note: Holds four 55 ampere hour or two 100 ampere hour batteries			
28 46 21 17-1037	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)	428.56		24.75
		Note: Holds four 55 ampere hour or two 100 ampere hour batteries			
28 46 21 17-1038	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	723.37		24.75
		Note: Holds four 55 ampere hour or four 100 ampere hour batteries			
28 46 21 17-1039	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	723.37		24.75
28 46 21 17-1040	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	148.28		20.63
28 46 21 17-1041	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	867.83		20.63
28 46 21 17-1042	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	66.71		10.31
28 46 21 17-1043	EA	Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	104.99		10.31
28 46 21 17-1044	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	575.84		20.63
28 46 21 17-1045	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	710.31		61.88
28 46 21 17-1046	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	678.95		61.88
28 46 21 17-1047	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8)	788.29		61.88
28 46 21 17-1048	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8E).....	781.51		61.88
28 46 21 17-1049	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CM).....	770.50		30.94
28 46 21 17-1050	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF8CME).....	770.50		30.94
28 46 21 17-1051	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12)	957.82		30.94
28 46 21 17-1052	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPPF12E)	914.60		30.94
28 46 21 17-1053	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPPF12CM).....	972.23		61.88
28 46 21 17-1054	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPPF12CME).....	972.23		61.88
28 46 21 17-1055	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	663.69		61.88
28 46 21 17-1056	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	663.69		61.88
28 46 21 17-1057	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	717.94		61.88
28 46 21 17-1058	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	717.94		61.88
28 46 21 17-1059	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	572.99		61.88
28 46 21 17-1060	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	678.95		61.88
28 46 21 17-1061	EA	Class A Adapter HPPF8/HPPF12 (Notifier HPP31076)	146.93		10.31
28 46 21 17-1062	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,031.53		20.63
28 46 21 17-1063	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	146.79		20.63
28 46 21 17-1064		Network Control Annunciators (28 46 21 17-0805)			
28 46 21 17-1065	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,579.31		61.88
28 46 21 17-1066	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	60.92		12.38
28 46 21 17-1067	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	44.16		12.38
28 46 21 17-1068		FIRSTVISION Firefighter's Display (28 46 21 17-0805)			
28 46 21 17-1069	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	12,235.98		412.52
28 46 21 17-1070		FlashScan Addressable Modules (28 46 21 17-0805)			
28 46 21 17-1071	EA	Intelligent Addressable Control Module (Notifier FCM-1).....	137.41		20.63
28 46 21 17-1072	EA	Addressable Dual Monitor Module (Notifier FDM-1)	153.28		20.63
28 46 21 17-1073	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	114.47		20.63
28 46 21 17-1074	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	102.12		20.63
28 46 21 17-1075	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	208.86		20.63
28 46 21 17-1076	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	123.94		20.63
28 46 21 17-1077	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	172.69		20.63
28 46 21 17-1078	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	112.71		20.63
28 46 21 17-1079		Addressable Device Bases And Accessories (28 46 21 17-0805)			
28 46 21 17-1080	EA	Intelligent Detector Base With Flange (Notifier B710LP)	42.77		10.31
28 46 21 17-1081	EA	Weatherproof Device Housing (Notifier DH400OE-1)	350.89		20.63
28 46 21 17-1082		XP6/XP10 Transponder (28 46 21 17-0805)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1083	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	101.68	20.63
28 46 21 17-1084	EA		Six Circuit Supervised Control Module (Notifier XP6-C)	503.50	20.63
28 46 21 17-1085	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	609.36	20.63
28 46 21 17-1086	EA		Six Relay Control Module (Notifier XP6-R)	484.09	20.63
28 46 21 17-1087	EA		Ten Input Monitor Module (Notifier XP10-M)	582.90	20.63
28 46 21 17-1088			LCD Display Annunciators (28 46 21 17-0805)		
28 46 21 17-1089	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	648.64	61.88
28 46 21 17-1090	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	908.87	61.88
28 46 21 17-1091	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	940.63	61.88
28 46 21 17-1092	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	609.10	20.63
28 46 21 17-1093	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	322.95	20.63
28 46 21 17-1094	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8)	788.97	20.63
28 46 21 17-1095			ONYX ACM And AEM Series LED Annunciators (28 46 21 17-0805)		
28 46 21 17-1096	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R)	348.96	20.63
28 46 21 17-1097	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	666.70	20.63
28 46 21 17-1098	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	510.56	20.63
28 46 21 17-1099	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	666.70	20.63
28 46 21 17-1100	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	510.56	20.63
28 46 21 17-1101	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	510.56	20.63
28 46 21 17-1102	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	457.63	20.63
28 46 21 17-1103	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	510.56	20.63
28 46 21 17-1104	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	457.63	20.63
28 46 21 17-1105			Graphic Annunciator - Lamp Driver Modules (28 46 21 17-0805)		
28 46 21 17-1106	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	211.31	41.25
28 46 21 17-1107	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB)	229.83	41.25
28 46 21 17-1108	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	264.56	51.57
28 46 21 17-1109	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB)	288.37	51.57
28 46 21 17-1110	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B)	463.72	72.19
28 46 21 17-1111	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	82.53	12.38
28 46 21 17-1112	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	135.88	41.25
28 46 21 17-1113	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB)	142.31	10.31
28 46 21 17-1114	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B)	169.84	41.25
28 46 21 17-1115	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D)	300.72	51.57
28 46 21 17-1116	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	270.69	10.31
28 46 21 17-1117	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D)	487.54	72.19
28 46 21 17-1118	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR)	459.00	12.38
28 46 21 17-1119	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB)	170.31	16.50
28 46 21 17-1120	EA		Annunciator Key Switch (Notifier AKS-1B)	75.74	6.19
28 46 21 17-1121	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	78.74	20.63
28 46 21 17-1122	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	457.63	20.63
28 46 21 17-1123	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	132.75	4.12
28 46 21 17-1124	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	166.19	4.12
28 46 21 17-1125	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	377.35	20.63
28 46 21 17-1126	EA		Lamp Driver Module (Notifier LDM-R32)	647.01	20.63
28 46 21 17-1127	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	600.18	20.63
28 46 21 17-1128	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	170.65	4.12
28 46 21 17-1129	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	153.71	12.38
28 46 21 17-1130	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	101.78	12.38
28 46 21 17-1131	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	101.78	12.38
28 46 21 17-1132			Network Gateways (28 46 21 17-0805)		
28 46 21 17-1133	EA		Common Alerting Protocol Gateway (Notifier CAP-GW)	2,668.90	20.63
28 46 21 17-1134	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,984.02	20.63
28 46 21 17-1135	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,236.61	20.63
28 46 21 17-1136	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,465.47	20.63
28 46 21 17-1137	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,001.82	20.63
28 46 21 17-1138	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,947.57	20.63
28 46 21 17-1139	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,194.23	20.63
28 46 21 17-1140	EA		Modbus Gateway (Notifier MODBUS-GW)	2,185.75	20.63
28 46 21 17-1141	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,529.54	13.61
28 46 21 17-1142	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,767.08	13.61
28 46 21 17-1143	EA		1920x1080P Wide Screen (Notifier MON-42LCDW)	11,963.66	13.61
28 46 21 17-1144	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORIZ-SD)	553.06	30.94
28 46 21 17-1145	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,027.50	30.94
28 46 21 17-1146	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,507.51	30.94
28 46 21 17-1147	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,003.59	
28 46 21 17-1148	EA		Embedded NFN Gateway (Notifier NFN-GW-EM)	1,929.07	20.63
28 46 21 17-1149	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,929.07	20.63
28 46 21 17-1150	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,033.38	20.63
28 46 21 17-1151	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,533.49	20.63
28 46 21 17-1152	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,033.38	20.63
28 46 21 17-1153	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,929.07	20.63

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
28 46 21 17-1154	EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,172.14	
28 46 21 17-1155	EA ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	22,170.62	495.02
28 46 21 17-1156	EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	4,630.29	
	Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 17-1157	EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	4,630.29	
	Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 17-1158	EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	922.79	20.63
28 46 21 17-1159	EA Wire, Standard Network Repeater Board (Notifier RPT-W).....	750.72	20.63
28 46 21 17-1160	EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	893.97	20.63
28 46 21 17-1161	EA Signaling Line Circuit Integration Module (Notifier SLC-IM).....	998.22	20.63
28 46 21 17-1162	EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	2,084.04	20.63
28 46 21 17-1163	EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	2,005.97	20.63
28 46 21 17-1164	EA Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	2,232.64	
28 46 21 17-1165	NOTI-FIRE-NET Network Components (28 46 21 17-0805)		
28 46 21 17-1166	EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,929.07	20.63
28 46 21 17-1167	EA Fiber Optic Network Communications Module (Notifier NCM-F).....	859.01	20.63
28 46 21 17-1168	EA NOTI-FIRE-NET Web Server (Notifier NWS).....	1,929.07	20.63
28 46 21 17-1169	EA Wired Network Communications Module (Notifier NCM-W).....	818.43	20.63
28 46 21 17-1170	EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	92.86	10.31
28 46 21 17-1171	FireWarden Addressable Fire Panels (28 46 21 17-0805)		
28 46 21 17-1172	EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,667.49	412.52
28 46 21 17-1173	EA Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	1,980.66	412.52
28 46 21 17-1174	EA Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,271.09	206.26
28 46 21 17-1175	EA Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,271.09	206.26
28 46 21 17-1176	EA Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,260.92	206.26
28 46 21 17-1177	FireWarden Accessories (28 46 21 17-0805)		
28 46 21 17-1178	EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	149.58	30.94
28 46 21 17-1179	EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	142.15	30.94
28 46 21 17-1180	FireWarden Devices (28 46 21 17-0805)		
28 46 21 17-1181	EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	111.82	20.63
28 46 21 17-1182	EA Intelligent Addressable Control Module (Notifier NC-100).....	132.99	20.63
28 46 21 17-1183	EA Intelligent Addressable Relay Module (Notifier NC-100R).....	127.70	20.63
28 46 21 17-1184	EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	328.67	30.94
28 46 21 17-1185	EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	398.57	30.94
28 46 21 17-1186	EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	127.70	20.63
28 46 21 17-1187	EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	130.69	30.94
28 46 21 17-1188	EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	130.69	30.94
28 46 21 17-1189	EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	130.69	30.94
28 46 21 17-1190	EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	176.56	30.94
28 46 21 17-1191	EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	110.06	20.63
28 46 21 17-1192	EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	99.91	20.63
28 46 21 17-1193	EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	149.31	20.63
28 46 21 17-1194	EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	136.86	30.94
28 46 21 17-1195	EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	167.40	20.63
28 46 21 17-1196	EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	595.25	20.63
28 46 21 17-1197	SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 21 17-0805)		
28 46 21 17-1198	EA 120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,101.10	330.01
28 46 21 17-1199	EA 120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,214.90	330.01
28 46 21 17-1200	EA 240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	932.96	103.12
28 46 21 17-1201	EA 240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,067.74	103.12
28 46 21 17-1202	EA Class A Converter Module (Notifier CAC-4).....	288.76	20.63
28 46 21 17-1203	EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	105.21	12.38
28 46 21 17-1204	EA Remote Zone Annunciator (Notifier RZA-4X).....	153.30	30.94
28 46 21 17-1205	SFP-5UD 5 Zone Control Panels And Accessories (28 46 21 17-0805)		
28 46 21 17-1206	EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,702.78	412.52
28 46 21 17-1207	EA 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	2,934.35	309.38
28 46 21 17-1208	EA 240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	1,935.77	206.26
28 46 21 17-1209	EA Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	1,935.77	206.26
28 46 21 17-1210	EA Class A Converter Module (Notifier N-CAC-5X).....	299.16	20.63
28 46 21 17-1211	EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	113.94	12.38
28 46 21 17-1212	SFP-10UD 10 Zone Control Panels And Accessories (28 46 21 17-0805)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1213	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	3,564.55	412.52
28 46 21 17-1214	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	2,665.31	309.38
28 46 21 17-1215	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	1,949.78	412.52
28 46 21 17-1216	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,077.83	412.52
28 46 21 17-1217	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	501.31	61.88
28 46 21 17-1218			Smoke Detectors (28 46 21 17-0805)		
28 46 21 17-1219	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	188.91	30.94
28 46 21 17-1220	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	317.71	30.94
28 46 21 17-1221	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	993.91	30.94
28 46 21 17-1222	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R)..... Note: For use with DNR(W) duct detector housing.	133.98	30.94
28 46 21 17-1223	EA		Filters For Harsh Detector (Notifier RF-FTX).....	16.30	
28 46 21 17-1224	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	114.25	20.63
28 46 21 17-1225			Pull Stations (28 46 21 17-0805)		
28 46 21 17-1226	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	23.71	4.12
28 46 21 17-1227	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	60.82	10.31
28 46 21 17-1228	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	51.55	10.31
28 46 21 17-1229	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	79.76	20.63
28 46 21 17-1230	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	88.14	20.63
28 46 21 17-1231	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	121.07	20.63
28 46 21 17-1232	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	79.76	20.63
28 46 21 17-1233	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	92.04	20.63
28 46 21 17-1234	EA		Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	92.04	20.63
28 46 21 17-1235	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	92.04	20.63
28 46 21 17-1236	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	87.02	20.63
28 46 21 17-1237	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	94.28	20.63
28 46 21 17-1238	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	741.17	24.75
28 46 21 17-1239	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	77.64	20.63
28 46 21 17-1240	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	177.41	24.75
28 46 21 17-1241	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	107.21	20.63
28 46 21 17-1242	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	90.31	20.63
28 46 21 17-1243	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	150.20	20.63
28 46 21 17-1244	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	45.09	4.12
28 46 21 17-1245			Rate Compensation Heat Detectors (28 46 21 17-0805)		
28 46 21 17-1246	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	139.51	30.94
28 46 21 17-1247	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	139.51	30.94
28 46 21 17-1248			FM Series Door Releases (28 46 21 17-0805)		
28 46 21 17-1249	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	22.97	6.19
28 46 21 17-1250	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	22.97	6.19
28 46 21 17-1251	EA		1" Door Holder Spacer (Notifier FM900-100).....	22.97	6.19
28 46 21 17-1252	EA		Door Holder Extension Kit (Notifier FM900).....	24.29	6.19
28 46 21 17-1253	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	24.73	6.19
28 46 21 17-1254	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	168.62	30.94
28 46 21 17-1255	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	146.57	30.94
28 46 21 17-1256	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	146.57	30.94
28 46 21 17-1257			Multicriteria Fire Detector (28 46 21 17-0805)		
28 46 21 17-1258	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	229.11	30.94
28 46 21 17-1259	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	228.37	30.94
28 46 21 17-1260			Modules (28 46 21 17-0805)		
28 46 21 17-1261	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	272.40	20.63
28 46 21 17-1262	EA		Addressable Firephone Control Module (Notifier FTM-1).....	169.09	20.63
28 46 21 17-1263			DH Series Door Releases (28 46 21 17-0805)		
28 46 21 17-1264	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	141.97	30.94
28 46 21 17-1265	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	151.07	30.94
28 46 21 17-1266	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	159.62	30.94
28 46 21 17-1267	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	157.39	30.94
28 46 21 17-1268	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	164.82	30.94
28 46 21 17-1269	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	171.14	30.94
28 46 21 17-1270	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	141.97	30.94
28 46 21 17-1271	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	149.96	30.94
28 46 21 17-1272	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	159.62	30.94
28 46 21 17-1273	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	180.06	30.94

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 21 17-1274	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	191.95	30.94
28 46 21 17-1275	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	205.70	30.94
28 46 21 17-1276	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	209.05	30.94
28 46 21 17-1277	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	223.17	30.94
28 46 21 17-1278	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	240.26	30.94
28 46 21 17-1279	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	16.39	4.12
28 46 21 17-1280	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	16.39	4.12
28 46 21 17-1281	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	17.91	4.12
28 46 21 17-1282	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	16.39	4.12
28 46 21 17-1283	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	16.39	4.12
28 46 21 17-1284	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	17.91	4.12
28 46 21 17-1285	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	17.17	4.12
28 46 21 17-1286	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	17.17	4.12
28 46 21 17-1287	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	17.91	4.12
28 46 21 17-1288	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	18.77	4.12
28 46 21 17-1289	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	18.77	4.12
28 46 21 17-1290	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	18.77	4.12
28 46 21 17-1291	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	19.55	4.12
28 46 21 17-1292	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	19.55	4.12
28 46 21 17-1293	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	19.55	4.12
28 46 21 17-1294	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	20.40	4.12
28 46 21 17-1295	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	20.40	4.12
28 46 21 17-1296	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	21.18	4.12
28 46 21 17-1297	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	21.18	4.12
28 46 21 17-1298	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	22.04	4.12
28 46 21 17-1299	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	24.45	4.12
28 46 21 17-1300	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	23.64	4.12
28 46 21 17-1301	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	22.82	4.12
28 46 21 17-1302	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	24.45	4.12
28 46 21 17-1303	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP)	22.90	6.19
28 46 21 17-1304	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	23.68	6.19
28 46 21 17-1305	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	26.17	6.19
28 46 21 17-1306	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	42.33	6.19
28 46 21 17-1307	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	44.71	6.19
28 46 21 17-1308	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	47.09	6.19
28 46 21 17-1309	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	39.21	10.31
28 46 21 17-1310	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	40.85	10.31
28 46 21 17-1311	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	44.12	10.31
28 46 21 17-1312	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	229.67	

28 46 21 17-1313 First Command (28 46 21 17-0805)

28 46 21 17-1314	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	4,834.33	515.64
28 46 21 17-1315	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	4,885.19	515.64
28 46 21 17-1316	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,401.70	41.25
28 46 21 17-1317	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,439.85	41.25
28 46 21 17-1318	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	2,589.23	41.25
28 46 21 17-1319	EA	Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	2,673.99	41.25
28 46 21 17-1320	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	627.32	20.63
28 46 21 17-1321	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	627.32	20.63
28 46 21 17-1322	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	341.53	20.63
28 46 21 17-1323	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	540.50	20.63
28 46 21 17-1324	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT)	1,906.89	41.25
		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 21 17-1325	EA	Local Operator Console (Notifier NFC-LOC)	1,866.20	41.25
		Note: Includes built-in microphone, message and zone control switches, black.		
28 46 21 17-1326	EA	Black, Remote Microphone (Notifier NFC-RM)	550.73	
28 46 21 17-1327	EA	Remote Page Unit (Notifier NFC-RPU)	1,573.77	41.25
		Note: Includes built-in microphone, message control switches, black.		
28 46 21 17-1328	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	259.03	20.63
28 46 21 17-1329	EA	Firefighters Phone Jack (Notifier N-FPJ)	118.29	6.19
28 46 21 17-1330	EA	Thumbblat Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	32.89	6.19
28 46 21 17-1331	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	105.95	12.38

28 46 21 17-1332 LED Displays (28 46 21 17-0805)

28 46 21 17-1333	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,500.64	24.75
28 46 21 17-1334	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,109.64	33.00
28 46 21 17-1335	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,134.22	33.00
28 46 21 17-1336	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,049.45	33.00
28 46 21 17-1337	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	2,871.66	33.00
28 46 21 17-1338	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,176.60	33.00

28 46 21 17-1339 Control Relays (28 46 21 17-0805)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1340 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	52.37	10.31
28 46 21 17-1341 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	39.81	10.31
28 46 21 17-1342 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	143.45	20.63
28 46 21 17-1343 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	80.28	10.31
28 46 21 17-1344 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	95.70	10.31
28 46 21 17-1345 EA 24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	147.54	20.63
28 46 21 17-1346 EA 120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	147.54	20.63
28 46 21 17-1347 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	75.44	20.63
28 46 21 17-1348 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	43.08	10.31
28 46 21 17-1349 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	156.83	20.63
28 46 21 17-1350 EA 24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	54.78	20.63
28 46 21 17-1351 EA 12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	54.78	20.63
28 46 21 17-1352 EA 9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	54.78	20.63
28 46 21 17-1353 Gamewell-FCI Fire Control Instruments <small>(28 46 21 17-0805)</small>		
28 46 21 17-1354 7100 Series And NetSOLO® <small>(28 46 21 17-1353)</small>		
28 46 21 17-1355 7100 Compact Analog Addressable Fire Alarm Control Panels <small>(28 46 21 17-1354)</small>		
28 46 21 17-1356 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	771.39	247.50
28 46 21 17-1357 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	3,344.53	412.52
28 46 21 17-1358 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	3,666.21	412.52
28 46 21 17-1359 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	3,344.53	412.52
28 46 21 17-1360 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	3,666.21	412.52
28 46 21 17-1361 EA Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,073.60	
28 46 21 17-1362 EA Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,288.80	
28 46 21 17-1363 EA Analog Loop Unit (Gamewell-FCI ALU)	1,288.80	41.25
28 46 21 17-1364 NetSOLO® Intelligent Network <small>(28 46 21 17-1354)</small>		
28 46 21 17-1365 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,430.39	41.25
	Note: Mounted in 7100 panel.	
28 46 21 17-1366 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)	1,134.76	41.25
	Note: Mounted in 7100 panel.	
28 46 21 17-1367 Components And Accessories <small>(28 46 21 17-1354)</small>		
28 46 21 17-1368 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	702.97	30.94
28 46 21 17-1369 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	531.05	41.25
28 46 21 17-1370 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	980.72	41.25
28 46 21 17-1371 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	390.60	41.25
28 46 21 17-1372 EA Enclosure Box (Gamewell-FCI EN-7100)	308.86	82.51
28 46 21 17-1373 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,028.94	20.63
28 46 21 17-1374 E3 Series® Basic System <small>(28 46 21 17-1353)</small>		
28 46 21 17-1375 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	935.72	41.25
28 46 21 17-1376 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	802.49	41.25
28 46 21 17-1377 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	935.72	41.25
28 46 21 17-1378 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	802.49	41.25
28 46 21 17-1379 EA LCD Keypad Display (Gamewell-FCI LCD-E3)	596.93	41.25
28 46 21 17-1380 EA Power Supply Module (Gamewell-FCI PM-9)	784.60	41.25
28 46 21 17-1381 EA Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	658.92	41.25
28 46 21 17-1382 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	655.60	20.63
28 46 21 17-1383 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	371.18	41.25
28 46 21 17-1384 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,007.74	41.25
28 46 21 17-1385 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	843.04	41.25
28 46 21 17-1386 EA Local Operating Console (Gamewell-FCI 1100-0455)	562.46	30.94
28 46 21 17-1387 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,826.23	30.94
28 46 21 17-1388 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	719.22	41.25
28 46 21 17-1389 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	2,208.09	41.25
28 46 21 17-1390 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	496.23	82.51
28 46 21 17-1391 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	361.17	82.51
28 46 21 17-1392 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	78.77	20.63
28 46 21 17-1393 EA Programmable Switch Module (Gamewell-FCI ASM-16)	501.63	41.25
28 46 21 17-1394 EA LED Driver module (Gamewell-FCI ANU-48)	501.63	41.25
28 46 21 17-1395 EA Network Graphic Annunciator (Gamewell-FCI NGA)	1,529.28	30.94
28 46 21 17-1396 Addressable Devices, Module, Pulls And Accessories <small>(28 46 21 17-1353)</small>		
28 46 21 17-1397 Velociti® Series Sensors And Bases <small>(28 46 21 17-1396)</small>		
28 46 21 17-1398 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	154.76	30.94
28 46 21 17-1399 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	158.16	30.94
28 46 21 17-1400 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	168.35	30.94
28 46 21 17-1401 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	127.57	30.94
28 46 21 17-1402 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	133.24	30.94
28 46 21 17-1403 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	127.57	30.94
28 46 21 17-1404 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	192.14	30.94
28 46 21 17-1405 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	430.00	30.94
28 46 21 17-1406 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPPF)	357.97	51.57

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1407	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	403.28	51.57
28 46 21 17-1408	EA		Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	190.34	
28 46 21 17-1409	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	38.75	10.31
28 46 21 17-1410	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	463.98	30.94
28 46 21 17-1411	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	91.42	10.31
28 46 21 17-1412	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,652.85	61.88
28 46 21 17-1413			Velociti® Series Modules And Pull Station (28 46 21 17-1396)		
28 46 21 17-1414	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	113.17	20.63
28 46 21 17-1415	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	185.10	20.63
28 46 21 17-1416	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	124.50	20.63
28 46 21 17-1417	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	177.17	20.63
28 46 21 17-1418	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	147.15	20.63
28 46 21 17-1419	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	152.82	20.63
28 46 21 17-1420	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	211.07	41.25
28 46 21 17-1421	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	157.91	20.63
28 46 21 17-1422	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	25.24	4.12
28 46 21 17-1423			Components And Accessories (28 46 21 17-1396)		
28 46 21 17-1424	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	61.32	16.50
			Note: Mounts on single gang box.		
28 46 21 17-1425	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	30.66	8.25
28 46 21 17-1426	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	32.92	8.25
28 46 21 17-1427	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	39.32	10.31
28 46 21 17-1428	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	64.39	12.38
28 46 21 17-1429	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	96.43	16.50
			Note: Mounts on single gang box.		
28 46 21 17-1430			Fixed And Rate of Rise Heat Detectors (28 46 21 17-1396)		
28 46 21 17-1431	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	81.14	30.94
28 46 21 17-1432	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	81.14	30.94
28 46 21 17-1433	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	79.50	30.94
28 46 21 17-1434	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	79.50	30.94
28 46 21 17-1435			NAC Expander/Power Supply (28 46 21 17-1396)		
28 46 21 17-1436	EA		FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,475.54	330.01
28 46 21 17-1437	EA		6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,260.34	330.01
28 46 21 17-1438	EA		9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,367.94	330.01
28 46 21 17-1439			Batteries And Accessories (28 46 21 17-1353)		
28 46 21 17-1440	EA		B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	236.07	20.63
28 46 21 17-1441	EA		B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	605.32	20.63
28 46 21 17-1442	EA		B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	122.80	20.63
28 46 21 17-1443	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	287.52	41.25
28 46 21 17-1444	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	287.52	41.25
28 46 21 17-1445	EA		12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	254.68	41.25
28 46 21 17-1446			Electronic Door Holders (28 46 21 17-1353)		
			Note: Rixson products.		
28 46 21 17-1447	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	41.55	4.12
28 46 21 17-1448	EA		FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder (Gamewell-FCI 140-90000)	333.72	30.94
28 46 21 17-1449	EA		FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	457.18	30.94
28 46 21 17-1450	EA		FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	210.71	30.94
28 46 21 17-1451	EA		FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	200.52	30.94
28 46 21 17-1452	EA		FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004).....	210.71	30.94
28 46 21 17-1453	EA		FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	210.26	30.94
28 46 21 17-1454			SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 17-1353)		
			See CSI section 28 46 21 17-1642 for devices.		
28 46 21 17-1455			SpectrAlert® Advance Accessories (28 46 21 17-1353)		
			See CSI section 28 46 21 17-1642 for backboxes, 28 46 21 17-1897 for backboxes.		
28 46 21 17-1456			Fire Alarm Programming (28 46 21 17-1353)		
			Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 17-1457	EA		Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 17-1458	EA		Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 46 21 17-1459	EA		Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 46 21 17-1460			Fire-Lite Fire Alarm (28 46 21 17-0804)		
28 46 21 17-1461			Addressable Control Panels (28 46 21 17-1460)		
28 46 21 17-1462	EA		25 Point Intelligent Control (Fire Lite MS-25)	1,477.00	412.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1463 EA 50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,635.63	412.52
28 46 21 17-1464 EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS)	2,292.63	412.52
28 46 21 17-1465 EA 636-Point Intelligent Control (Fire Lite MS-9600LS)	3,400.79	412.52
28 46 21 17-1466 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS)	3,249.43	412.52
28 46 21 17-1467 EA IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	463.52	
28 46 21 17-1468 Silent Knight Fire Alarm <small>(28 46 21 17-0804)</small>		
28 46 21 17-1469 EA Supervised Control Module (Silent Knight SK-CONTROL).....	148.98	30.94
28 46 21 17-1470 EA Detector (Silent Knight IDP-PhotoR).....	200.13	30.94
28 46 21 17-1471 EA SLC Annunciator Driver Module (Silent Knight SD500-LED).....	603.09	61.88
28 46 21 17-1472 EA Monitoring Module (Silent Knight IDP).....	200.25	30.94
28 46 21 17-1473 EA Cabinet (Silent Knight SK-5207).....	269.28	61.88
28 46 21 17-1474 EA Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	405.07	20.63
28 46 21 17-1475 EA I/O Input-Output Module (Silent Knight SK-2880).....	550.61	20.63
28 46 21 17-1476 EA Remote Annunciator (Silent Knight RA-2000).....	1,579.05	61.88
28 46 21 17-1477 EA Remote LCD Annunciator (Silent Knight SK-5860).....	509.19	61.88
28 46 21 17-1478 EA Power Supply (Silent Knight 5195/96).....	987.19	20.63
28 46 21 17-1479 EA 8 Zone Expander (Silent Knight SK-5210).....	768.90	20.63
28 46 21 17-1480 EA 10 Zone Expander (Silent Knight SK-5217).....	324.65	20.63
28 46 21 17-1481 EA Remote Annunciator (Silent Knight SK-5235).....	319.22	41.25
28 46 21 17-1482 EA LCD Remote Annunciator (Silent Knight SK-5230).....	302.55	41.25
28 46 21 17-1483 EA Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	486.13	61.88
28 46 21 17-1484 EA Ionization Smoke Detector (Silent Knight SK-ION).....	147.92	30.94
28 46 21 17-1485 EA Addressable Relay Module (Silent Knight SD500-ARM).....	148.98	30.94
28 46 21 17-1486 EA Addressable Relay Module (Silent Knight IDP-Relay).....	171.03	30.94
28 46 21 17-1487 EA Telephone Line Monitor (Silent Knight SK-7150).....	106.74	20.63
28 46 21 17-1488 EA Serial Driver Board (Silent Knight SK-2884).....	202.79	20.63
28 46 21 17-1489 EA Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	138.15	30.94
28 46 21 17-1490 EA Smoke Detector Base (Silent Knight IDP-6AB).....	57.01	10.31
28 46 21 17-1491 EA Mini Input Module (Silent Knight IDP-MINIMON).....	150.40	20.63
28 46 21 17-1492 EA Status Display Module (Silent Knight SK-4180).....	565.16	20.63
28 46 21 17-1493 EA 8-Channel Digital Communicator (Silent Knight SK-1420).....	332.31	20.63
28 46 21 17-1494 EA Serial Parallel Module (Silent Knight SK-4824).....	303.20	20.63
28 46 21 17-1495 EA Addressable Heat Sensor (Silent Knight SD505-AHS).....	131.95	30.94
28 46 21 17-1496 EA Addressable Input Module (Silent Knight SD500-AIM).....	133.72	30.94
28 46 21 17-1497 EA Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	134.59	30.94
28 46 21 17-1498 EA Power Supply (Silent Knight SK-5197 / SK-5198).....	1,132.73	20.63
28 46 21 17-1499 EA 4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,911.37	82.51
28 46 21 17-1500 EA LED Input/Output Module (Silent Knight / IntelliKnight 5880)	392.96	30.94
28 46 21 17-1501 EA Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	207.41	30.94
28 46 21 17-1502 EA Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	171.03	30.94
28 46 21 17-1503 EA Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	144.51	30.94
28 46 21 17-1504 EA Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	36.85	10.31
28 46 21 17-1505 EA Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	36.85	10.31
28 46 21 17-1506 EA Addressable Mini Input Module (Silent Knight SD500-MIM).....	111.32	20.63
28 46 21 17-1507 EA Fire Slave Communicator Dialer (Silent Knight SK-5128).....	358.59	20.63
28 46 21 17-1508 EA 6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	568.50	61.88
28 46 21 17-1509 EA Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	606.38	61.88
28 46 21 17-1510 EA Manual Pull Station (single action) (Silent Knight PS-SATK).....	74.32	20.63
28 46 21 17-1511 EA Manual Pull Station (dual action) (Silent Knight PS-DATK)	80.92	20.63
28 46 21 17-1512 EA Manual Pull Station (dual action) (Silent Knight PS-DA).....	79.07	20.63
28 46 21 17-1513 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,232.88	82.51
28 46 21 17-1514 EA Remote LED Annunciator (Silent Knight 5865-3).....	479.48	41.25
28 46 21 17-1515 EA Remote LED Annunciator (Silent Knight 5865-4).....	545.08	41.25
28 46 21 17-1516 EA Serial/Parallel Printer Interface (Silent Knight 5824).....	336.31	20.63
28 46 21 17-1517 EA Relay Interface Board (Silent Knight 5883).....	232.95	20.63
28 46 21 17-1518 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS).....	3,961.28	206.26
28 46 21 17-1519 EA Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,627.93	123.75
28 46 21 17-1520 EA 50 Watt Amplifier (Silent Knight EVS-50W).....	1,143.36	82.51
28 46 21 17-1521 EA 125 Watt Amplifier (Silent Knight EVS-125W).....	2,063.10	82.51
28 46 21 17-1522 EA Voice Evacuation System (Silent Knight SKE-450).....	1,971.94	82.51
28 46 21 17-1523 EA Fire Fighters Telephone (Silent Knight SK-FFT).....	1,630.09	82.51
28 46 21 17-1524 EA Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,652.34	123.75
28 46 21 17-1525 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	934.26	82.51
28 46 21 17-1526 EA Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	800.83	82.51
28 46 21 17-1527 EA Combination Fire And CO Detector (Silent Knight SK-FIRE-CO).....	253.58	30.94
28 46 21 17-1528 EA Photoelectric Detector (Silent Knight SK-PHOTO).....	139.05	30.94
28 46 21 17-1529 EA Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T).....	147.02	30.94
28 46 21 17-1530 EA Ionization Smoke Detector (Silent Knight SK-ION).....	147.92	30.94
28 46 21 17-1531 EA 135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT).....	127.32	30.94
28 46 21 17-1532 EA 190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	134.59	30.94
28 46 21 17-1533 EA 135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR).....	137.28	30.94
28 46 21 17-1534 EA Sounder Base (Silent Knight B200SR).....	86.25	10.31
28 46 21 17-1535 EA Intelligent Sounder Base (Silent Knight B200S).....	91.57	10.31
28 46 21 17-1536 EA Isolator Base (Silent Knight B224BI).....	71.19	10.31
28 46 21 17-1537 EA Relay Base (Silent Knight B224RB).....	72.06	10.31
28 46 21 17-1538 EA Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE).....	150.70	30.94
28 46 21 17-1539 EA Photoelectric Duct Detector (Silent Knight SK-DUCT).....	250.24	30.94
28 46 21 17-1540 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM).....	914.88	30.94
28 46 21 17-1541 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T).....	1,046.73	30.94
28 46 21 17-1542 EA Dual Monitor Module (Silent Knight SK-MONITOR-2).....	181.45	30.94
28 46 21 17-1543 EA Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	527.26	41.25
28 46 21 17-1544 EA Relay Control Module (Silent Knight SK-RELAY).....	130.07	20.63

28 Electronic Safety and Security

28 40 Life Safety

28 46 Fire Detection and Alarm



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include Heat Detectors, Horns, Wall Mounted Horns/Strobes, and Ceiling Mounted Horns/Strobes.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1933	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	166.99	30.94
28 46 21 17-1934	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	166.99	30.94
28 46 21 17-1935	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	166.99	30.94
28 46 21 17-1936	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	169.11	30.94
28 46 21 17-1937	EA		White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	180.97	30.94
28 46 21 17-1938	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....	197.50	30.94
28 46 21 17-1939			Wall Mounted Speakers/Strobes <small>(28 46 21 17-1897)</small>		
28 46 21 17-1940	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	208.12	30.94
28 46 21 17-1941	EA		White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	208.12	30.94
28 46 21 17-1942	EA		Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	180.97	30.94
28 46 21 17-1943	EA		White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	180.97	30.94
28 46 21 17-1944	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	166.99	30.94
28 46 21 17-1945	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	163.60	30.94
28 46 21 17-1946	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	180.97	30.94
28 46 21 17-1947	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	180.97	30.94
28 46 21 17-1948	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	205.89	30.94
28 46 21 17-1949	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	169.11	30.94
28 46 21 17-1950	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	167.41	30.94
28 46 21 17-1951	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	200.86	30.94
28 46 21 17-1952	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	205.89	30.94
28 46 21 17-1953	EA		Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	197.50	30.94
28 46 21 17-1954	EA		White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	197.50	30.94
28 46 21 17-1955	EA		Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)..... Note: Requires weatherproof backbox (IOB).	223.62	35.06
28 46 21 17-1956			Electric Alarm Bells <small>(28 46 21 17-1897)</small>		
28 46 21 17-1957	EA		6", 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	161.90	30.94
28 46 21 17-1958	EA		6", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	155.12	30.94
28 46 21 17-1959	EA		10", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	200.47	30.94
28 46 21 17-1960	EA		115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,762.00	35.06
28 46 21 17-1961	EA		Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,867.31	35.06
28 46 21 17-1962	EA		Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	2,274.86	35.06
28 46 21 17-1963	EA		6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	123.55	30.94
28 46 21 17-1964	EA		10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	139.18	30.94
28 46 21 17-1965			Horns <small>(28 46 21 17-1897)</small>		
28 46 21 17-1966	EA		Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	106.53	30.94
28 46 21 17-1967	EA		Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	99.68	30.94
28 46 21 17-1968	EA		White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	99.68	30.94
28 46 21 17-1969	EA		Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNR-C).....	100.62	30.94
28 46 21 17-1970	EA		White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNW-C).....	100.62	30.94
28 46 21 17-1971	EA		Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	84.94	30.94
28 46 21 17-1972	EA		White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	84.94	30.94
28 46 21 17-1973	EA		Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	100.62	30.94
28 46 21 17-1974			Speakers <small>(28 46 21 17-1897)</small>		
28 46 21 17-1975	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	103.33	30.94
28 46 21 17-1976	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W).....	103.33	30.94
28 46 21 17-1977	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	103.33	30.94
28 46 21 17-1978	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W).....	101.46	30.94
28 46 21 17-1979	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	103.33	30.94
28 46 21 17-1980	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	103.33	30.94
28 46 21 17-1981	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	103.33	30.94
28 46 21 17-1982	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	103.33	30.94
28 46 21 17-1983	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	123.76	30.94
28 46 21 17-1984	EA		White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W).....	123.76	30.94
28 46 21 17-1985	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	125.45	30.94
28 46 21 17-1986	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	138.81	30.94
28 46 21 17-1987	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	125.80	30.94
28 46 21 17-1988	EA		Grey, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	256.83	30.94
28 46 21 17-1989	EA		Red, 1 To 15 Watt, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	256.83	30.94
28 46 21 17-1990			Sync Modules <small>(28 46 21 17-1897)</small>		
28 46 21 17-1991	EA		12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	128.32	20.63

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1992			Boxes, Plates And Rings (28 46 21 17-1897)		
28 46 21 17-1993	EA		4" Square, Red, Surface Backbox (Wheelock BB-R)	29.91	10.31
28 46 21 17-1994	EA		Standard 4" Square Box (Wheelock BB-STD)	26.43	10.31
28 46 21 17-1995	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC)	161.29	20.63
28 46 21 17-1996	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R)	161.29	20.63
28 46 21 17-1997	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	124.42	16.50
28 46 21 17-1998	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	16.56	4.12
28 46 21 17-1999	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W)	16.56	4.12
28 46 21 17-2000	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R)	39.96	10.31
28 46 21 17-2001	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W)	37.24	10.31
28 46 21 17-2002	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R)	39.96	10.31
28 46 21 17-2003	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W)	39.96	10.31
28 46 21 17-2004	EA		4" Square Backbox (Wheelock DBB-R)	31.65	10.31
28 46 21 17-2005	EA		Red, Surface Backbox (Wheelock IOB-R)	38.18	10.31
28 46 21 17-2006	EA		White, Surface, Backbox (Wheelock IOB-W)	38.18	10.31
28 46 21 17-2007	EA		White, Indoor, Surface Extender (Wheelock ISP2-W)	15.67	4.12
28 46 21 17-2008	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	17.74	4.12
28 46 21 17-2009	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	17.74	4.12
28 46 21 17-2010	EA		Red Retrofit Plate (Wheelock RP-R)	19.27	4.12
28 46 21 17-2011	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	27.05	4.12
28 46 21 17-2012	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R)	40.38	10.31
28 46 21 17-2013	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W)	40.97	10.31
28 46 21 17-2014	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R)	44.11	10.31
28 46 21 17-2015	EA		Red, Semi-Flush Plate (Wheelock SFB-R)	18.58	4.12
28 46 21 17-2016	EA		White, Semi-Flush Plate (Wheelock SFB-W)	18.58	4.12
28 46 21 17-2017	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R)	34.49	10.31
28 46 21 17-2018	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W)	34.49	10.31
28 46 21 17-2019	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	24.86	4.12
28 46 21 17-2020	EA		Red, Weather Resistant Backbox (Wheelock WBB-R)	39.62	10.31
28 46 21 17-2021	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	31.31	4.12
28 46 21 17-2022	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	31.31	4.12
28 46 21 17-2023	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	31.31	4.12
28 46 21 17-2024	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	31.31	4.12
28 46 21 17-2025	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT)	16.39	4.12
28 46 21 17-2026	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R)	40.85	10.31
28 46 21 17-2027	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R)	37.58	10.31
28 46 21 17-2028			Manual Pull Station (28 46 21 17-1897)		
28 46 21 17-2029	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	93.07	20.63
28 46 21 17-2030	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	93.07	20.63
28 46 21 17-2031	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	823.81	20.63
28 46 21 17-2032			Fire Alarm Terminal Cabinets (28 46 21 17)		
28 46 21 17-2033	EA		18 Point Lockable Fire Alarm Terminal Cabinet	173.11	41.35
28 46 21 17-2034	EA		32 Point Lockable Fire Alarm Terminal Cabinet	227.37	41.35
28 46 21 17-2035	EA		64 Point Lockable Fire Alarm Terminal Cabinet	335.88	41.35
28 46 21 17-2036	EA		128 Point Lockable Fire Alarm Terminal Cabinet	444.35	41.35
28 46 21 17-2037			Fire Alarm Digital Cellular Communicator (28 46 21 17)		
28 46 21 17-2038	EA		Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	520.43	41.25
28 46 21 17-2039			Test And Certification Of Fire Alarm System (28 46 21 17)		
28 46 21 17-2040	DAY		Test And Certification Of Fire Alarm System To Tie Into Existing Systems	652.28	
28 46 21 17-2041	HR		Test And Certification Of Fire Alarm System	203.84	
28 46 21 17-2042			Programing Of Fire Alarm System (28 46 21 17)		
28 46 21 17-2043	HR		Programing Of Fire Alarm System	244.60	
28 46 21 17-2044			Removal And Reinstallation Of Smoke Detector (28 46 21 17)		
Note: Includes storage, cleaning and supply materials.					
28 46 21 17-2045	EA		Removal And Reinstallation Of Ceiling Mounted Smoke Detector	115.51	
28 46 21 17-2046	EA		Removal And Reinstallation Of Wall Mounted Smoke Detector	92.81	
28 46 21 17-2047			Kidde Fire Safety Equipment (28 46 21 17)		
28 46 21 17-2048			Smoke Detectors (28 46 21 17-2047)		
28 46 21 17-2049	EA		Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With Battery Back-up (Kidde i12010SCO)	106.90	30.94
28 46 21 17-2050	EA		Combination Smoke And Carbon Monoxide Detector, With Battery Back-up (Kidde P3010K-CO)	87.43	30.94
28 46 23			Fire Alarm Notification Appliances (28 46)		
28 46 23 11			Fire Alarm Horns and Strobes (28 46 23)		
See CSI section 28 46 21 17-0000 for fire alarm horns and strobes.					

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 23 13 Fire Alarm Speakers (28 46 23)
See CSI section 28 46 21 17-0000 for fire alarm speakers.

28 49 Electronic Personal Protection Systems (28 49)

28 49 11 Electronic Personal Safety Detection Systems (28 49)

28 49 11 00-0001	Personnel Alarm Locating System (28 49 11) Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA Personnel Alarm Locating System.....	16,375.59	662.68
	Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA Personnel Alarm Transmitters With Lithium Batteries.....	130.44	
28 49 11 00-0004	EA Lapel Reader.....	50.17	
28 49 11 00-0005	EA IR Locator.....	180.05	24.81
28 49 11 00-0006	EA Repeaters And Receivers.....	436.30	82.71

28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)

28 49 17 00-0001	Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002	Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003	EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	232.00	49.62
	Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	275.42	57.89
	Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	277.52	57.89
	Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0007	EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	171.47	31.01
28 49 17 00-0008	EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	167.69	24.81
28 49 17 00-0009	EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	76.10	24.81
28 49 17 00-0010	EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	135.17	24.81
28 49 17 00-0011	EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	156.29	24.81
28 49 17 00-0012	EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	178.20	24.81
28 49 17 00-0013	EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	248.65	24.81
28 49 17 00-0014	EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	278.96	24.81

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0016	EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	102.60	24.81
28 49 17 00-0017	EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	152.94	24.81
28 49 17 00-0018	EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	201.54	24.81
28 49 17 00-0019	EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	218.40	8.27
28 49 17 00-0020	EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	157.44	24.81
28 49 17 00-0021	EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	186.50	24.81
28 49 17 00-0022	EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	318.96	24.81
28 49 17 00-0023	EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	149.45	24.81
28 49 17 00-0024	EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	184.43	8.27
28 49 17 00-0025	EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	285.88	8.27
28 49 17 00-0026	EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	292.11	8.27
28 49 17 00-0027	EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	385.27	8.27

END OF SECTION 28

28 Electronic Safety and Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 05 Common Work Results for Earthwork⁽³¹⁾

31 05 16 Aggregates for Earthwork^(31 05)

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON Select Granular Fill (203.07M).....	23.85	
	For Up To 14, Add	6.65	
	For >14 To 35, Add	2.39	
31 05 16 00-0002	TON Type II Underdrain Filter Stone (605.1001M).....	32.41	
	For Up To 14, Add	9.22	
	For >14 To 35, Add	3.24	
31 05 16 00-0003	TON Fine Stone Fill (620.02M).....	29.93	
	For Up To 14, Add	8.48	
	For >14 To 35, Add	2.99	
31 05 16 00-0004	TON Light Stone Fill (620.03M).....	30.67	
	For Up To 14, Add	8.70	
	For >14 To 35, Add	3.07	
31 05 16 00-0005	TON Medium Stone Fill (620.04M).....	37.46	
	For Up To 14, Add	10.74	
	For >14 To 35, Add	3.75	
31 05 16 00-0006	TON Heavy Stone Fill (620.05M).....	39.69	
	For Up To 14, Add	11.41	
	For >14 To 35, Add	3.97	
31 05 16 00-0007	TON Crushed Stone (Size 1) (703-0201CM).....	30.63	
	For Up To 14, Add	8.69	
	For >14 To 35, Add	3.06	
31 05 16 00-0008	TON Crushed Stone (Size 1A) (703-0201AM).....	32.70	
	For Up To 14, Add	9.31	
	For >14 To 35, Add	3.27	
31 05 16 00-0009	TON Crushed Stone (Size 1ST) (703-0201BM).....	30.35	
	For Up To 14, Add	8.60	
	For >14 To 35, Add	3.04	
31 05 16 00-0010	TON Crushed Stone (Size 2) (703-0201DM).....	30.00	
	For Up To 14, Add	8.50	
	For >14 To 35, Add	3.00	
31 05 16 00-0011	TON Crushed Stone (Size 3) (703-0201FM).....	30.45	
	For Up To 14, Add	8.63	
	For >14 To 35, Add	3.05	
31 05 16 00-0012	TON Crushed Stone (Size 3A) (703-0201EM).....	30.45	
	For Up To 14, Add	8.63	
	For >14 To 35, Add	3.05	
31 05 16 00-0013	TON Crushed Gravel (Size 1) (703-0202CM).....	34.85	
	For Up To 14, Add	9.95	
	For >14 To 35, Add	3.49	
31 05 16 00-0014	TON Crushed Gravel (Size 1A) (703-0202AM).....	33.08	
	For Up To 14, Add	9.42	
	For >14 To 35, Add	3.31	
31 05 16 00-0015	TON Crushed Gravel (Size 1ST) (703-0202BM).....	30.30	
	For Up To 14, Add	8.59	
	For >14 To 35, Add	3.03	
31 05 16 00-0016	TON Crushed Gravel (Size 2) (703-0202DM).....	30.45	
	For Up To 14, Add	8.63	
	For >14 To 35, Add	3.05	
31 05 16 00-0017	TON Crushed Gravel (Size 3) (703-0202FM).....	30.00	
	For Up To 14, Add	8.50	
	For >14 To 35, Add	3.00	
31 05 16 00-0018	TON Crushed Gravel (Size 3A) (703-0202EM).....	31.49	
	For Up To 14, Add	8.95	
	For >14 To 35, Add	3.15	
31 05 16 00-0019	TON Mortar Sand (703-03M).....	25.61	
	For Up To 14, Add	7.18	
	For >14 To 35, Add	2.56	
31 05 16 00-0020	TON Concrete Sand (703-07M).....	27.78	
	For Up To 14, Add	7.83	
	For >14 To 35, Add	2.78	
31 05 16 00-0021	TON Crushed Run (Size 25MM) (A1M).....	27.27	
	For Up To 14, Add	7.68	
	For >14 To 35, Add	2.73	
31 05 16 00-0022	TON Crushed Run (Size #1) (A2M).....	28.33	
	For Up To 14, Add	8.00	
	For >14 To 35, Add	2.83	
31 05 16 00-0023	TON Crushed Run (Size 25MM) (A3M).....	26.59	
	For Up To 14, Add	7.48	
	For >14 To 35, Add	2.66	
31 05 16 00-0024	TON Crushed Run (Size 40MM) (A4M).....	25.89	
	For Up To 14, Add	7.27	
	For >14 To 35, Add	2.59	
31 05 16 00-0025	TON Crushed Run (Size 50MM) (A5M).....	25.59	
	For Up To 14, Add	7.18	
	For >14 To 35, Add	2.56	
31 05 16 00-0026	TON Embankment (Bank Run Gravel).....	22.75	
	For Up To 14, Add	6.32	
	For >14 To 35, Add	2.28	
31 05 16 00-0027	TON Select Granular Subbase (203.20M).....	23.14	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		<i>For Up To 14, Add</i>	6.44
		<i>For >14 To 35, Add</i>	2.31
31 05 16 00-0028	TON	Type 1 Subbase Course (304.11M)	24.23
		<i>For Up To 14, Add</i>	6.77
		<i>For >14 To 35, Add</i>	2.42
31 05 16 00-0029	TON	Type 2 Subbase Course (304.12M)	24.80
		<i>For Up To 14, Add</i>	6.94
		<i>For >14 To 35, Add</i>	2.48
31 05 16 00-0030	TON	Type 3 Subbase Course (304.13M)	24.09
		<i>For Up To 14, Add</i>	6.73
		<i>For >14 To 35, Add</i>	2.41
31 05 16 00-0031	TON	Type 4 Subbase Course (304.14M)	24.91
		<i>For Up To 14, Add</i>	6.97
		<i>For >14 To 35, Add</i>	2.49
31 05 16 00-0032	TON	Type 4A Subbase Course (304.14AM)	25.78
		<i>For Up To 14, Add</i>	7.23
		<i>For >14 To 35, Add</i>	2.58
31 05 16 00-0033	TON	Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M)	28.41
		<i>For Up To 14, Add</i>	8.02
		<i>For >14 To 35, Add</i>	2.84

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization ⁽³¹⁾⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.**31 10 Site Clearing ⁽³¹⁾****31 11 Clearing and Grubbing ^(31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,028.20
		Note: Includes grub and removal of stump	
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	1,788.26
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	8,199.57
		Note: Includes grub and removal of stump	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	2,980.43
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	9,317.69
		Note: Includes grub and removal of stump	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,387.26
31 11 00 00-0008	ACR	Clearing By Machine - Light Brush Without Grub	264.09
31 11 00 00-0009	ACR	Clearing By Machine - Medium Brush Without Grub	556.30
31 11 00 00-0010	ACR	Clearing By Machine - Heavy Brush Without Grub	786.81
31 11 00 00-0011	ACR	Chipping - Light Brush	2,186.94
31 11 00 00-0012	ACR	Chipping - Medium Brush	2,811.93
31 11 00 00-0013	ACR	Chipping - Heavy Brush	3,937.05

31 11 00 00-0014 Loading Of Cleared And Grubbed Material ^(31 11)

See CSI section 01 74 19 00-0034 for hauling.

31 11 00 00-0015	CY	Machine Loading Of Cleared And Grubbed Material	9.43
31 11 00 00-0016	CY	Chute Loading Of Cleared And Grubbed Material	11.32
31 11 00 00-0017	CY	Hand Loading Of Cleared And Grubbed Material	32.41
31 11 00 00-0018	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	25.46

31 13 Selective Tree and Shrub Removal and Trimming ^(31 10)**31 13 13 Selective Tree and Shrub Removal ^(31 13)****31 13 13 00-0001 Individual Tree Removal ^(31 13 13)**

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	512.48
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	768.71
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,024.94
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,537.42
		Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,049.90
		Note: Includes cutting up tree, chipping and loading.	

31 13 13 00-0007 Stump Removal ^(31 13 13)

Note: Measured by diameter of stump.

31 13 13 00-0008 Stump Removal By Machine ^(31 13 13 00-0007)

31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal	89.41
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal	171.37
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal	223.53
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal	335.31
		Note: Includes excavation necessary to remove stump and loading.	

Earthwork	31
Site Clearing	31 10
Selective Tree and Shrub Removal and Trimming	31 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal.....	394.93
		Note: Includes excavation necessary to remove stump and loading.	
31 13 13 00-0014		Stump Removal By Hand <small>(31 13 13 00-0007)</small>	
31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand.....	523.54
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand.....	654.44
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand.....	959.84
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand.....	1,308.87
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand.....	1,745.17
		Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	
31 13 13 00-0020		Stump Grinding <small>(31 13 13)</small>	
		Note: Measured by diameter of stump.	
31 13 13 00-0021		Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0020)</small>	
		Note: Level soil to match existing surface area.	
31 13 13 00-0022	EA	Stump Grinding >42" To 48" Tree.....	334.61
		<i>For 24" Depth, Add</i>	66.92
31 13 13 00-0023	EA	Stump Grinding Up To 6" Tree.....	99.17
		<i>For 24" Depth, Add</i>	19.83
31 13 13 00-0024	EA	Stump Grinding >6" To 12" Tree.....	132.23
		<i>For 24" Depth, Add</i>	26.45
31 13 13 00-0025	EA	Stump Grinding >12" To 15" Tree.....	148.76
		<i>For 24" Depth, Add</i>	29.75
31 13 13 00-0026	EA	Stump Grinding >15" To 18" Tree.....	165.29
		<i>For 24" Depth, Add</i>	33.06
31 13 13 00-0027	EA	Stump Grinding >18" To 21" Tree.....	177.68
		<i>For 24" Depth, Add</i>	35.54
31 13 13 00-0028	EA	Stump Grinding >21" To 24" Tree.....	190.07
		<i>For 24" Depth, Add</i>	38.01
31 13 13 00-0029	EA	Stump Grinding >24" To 27" Tree.....	206.60
		<i>For 24" Depth, Add</i>	41.32
31 13 13 00-0030	EA	Stump Grinding >27" To 30" Tree.....	225.86
		<i>For 24" Depth, Add</i>	45.17
31 13 13 00-0031	EA	Stump Grinding >30" To 33" Tree.....	250.96
		<i>For 24" Depth, Add</i>	50.19
31 13 13 00-0032	EA	Stump Grinding >33" To 36" Tree.....	267.68
		<i>For 24" Depth, Add</i>	53.54
31 13 13 00-0033	EA	Stump Grinding >36" To 42" Tree.....	301.15
		<i>For 24" Depth, Add</i>	60.23
31 13 13 00-0034		Shrub Removal <small>(31 13 13)</small>	
31 13 13 00-0035	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	37.25
31 13 13 00-0036	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	58.41
31 13 13 00-0037	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	67.72
31 13 13 00-0038	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	101.58
31 13 13 00-0039	EA	Removal Of 12" To 15" Shrub, Deciduous.....	18.62
31 13 13 00-0040	EA	Removal Of 18" To 24" Shrub, Deciduous.....	28.78
31 13 13 00-0041	EA	Removal Of 2' To 3' Shrub, Deciduous.....	37.25
31 13 13 00-0042	EA	Removal Of 3' To 4' Shrub, Deciduous.....	40.63
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Evergreen.....	37.25
31 13 13 00-0044	EA	Removal Of 24" To 30" Shrub, Evergreen.....	40.63
31 13 13 00-0045	EA	Removal Of 30" To 36" Shrub, Evergreen.....	58.41
31 13 13 00-0046	EA	Removal Of 36" To 42" Shrub, Evergreen.....	101.58
31 13 16		Selective Tree and Shrub Trimming <small>(31 13)</small>	
31 13 16 00-0001		Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>	
		Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.	
31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.65
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.48
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.92

- 31 20 Earth Moving (31)
- 31 23 Excavation and Fill (31 20)
- 31 23 16 **Excavation** (31 23)

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**31 23 16 13****Trenching** (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001**Excavation For Trenching By Machine** (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	9.17
		<i>For Up To 20, Add</i>	7.34
		<i>For >20 To 50, Add</i>	4.59
		<i>For >50 To 250, Add</i>	2.29
		<i>For >500 To 1,000, Deduct</i>	-1.38
		<i>For >1,000, Deduct</i>	-2.75
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	6.18
		<i>For Up To 20, Add</i>	4.94
		<i>For >20 To 50, Add</i>	3.09
		<i>For >50 To 250, Add</i>	1.55
		<i>For >500 To 1,000, Deduct</i>	-0.93
		<i>For >1,000, Deduct</i>	-1.85
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	15.17
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	12.14
		<i>For >20 To 50, Add</i>	7.59
		<i>For >50 To 250, Add</i>	3.79
		<i>For >500 To 1,000, Deduct</i>	-2.28
		<i>For >1,000, Deduct</i>	-4.55
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	10.98
		Note: Includes compacted aggregate	
		<i>For Up To 20, Add</i>	8.78
		<i>For >20 To 50, Add</i>	5.49
		<i>For >50 To 250, Add</i>	2.75
		<i>For >500 To 1,000, Deduct</i>	-1.65
		<i>For >1,000, Deduct</i>	-3.29

31 23 16 13-0006**Excavation For Trenching By Hand** (31 23 16 13)

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	106.94
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	183.44
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

31 23 16 13-0009**Backfilling Or Placing Subbase For Trenches** (31 23 16 13)

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	3.22
		<i>For Up To 20, Add</i>	2.58
		<i>For >20 To 50, Add</i>	1.61
		<i>For >50 To 250, Add</i>	0.81
		<i>For >500 To 1,000, Deduct</i>	-0.48
		<i>For >1,000, Deduct</i>	-0.97
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	29.71

31 23 16 13-0012**Compaction Of Fill Or Subbase For Trenches** (31 23 16 13)

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	6.22
		<i>For Up To 20, Add</i>	4.98
		<i>For >20 To 50, Add</i>	3.11
		<i>For >50 To 250, Add</i>	1.56
		<i>For >500 To 1,000, Deduct</i>	-0.93
		<i>For >1,000, Deduct</i>	-1.87
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand	33.51

31 23 16 13-0015**Loading Excess Material For Removal From Excavation For Trenches** (31 23 16 13)

Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 13-0016	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	5.61
		<i>For Up To 20, Add</i>	4.49
		<i>For >20 To 50, Add</i>	2.81
		<i>For >50 To 250, Add</i>	1.40
		<i>For >500 To 1,000, Deduct</i>	-0.84
		<i>For >1,000, Deduct</i>	-1.68
31 23 16 13-0017	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	78.41

31 23 16 13-0018**Spread Excess Or Imported Material For Trenches** (31 23 16 13)

Note: Includes hand work by laborer for clean-up.

31 23 16 13-0019	CY	Spread Excess Or Imported Material On Site With Machine	2.57
		<i>For Up To 20, Add</i>	2.06
		<i>For >20 To 50, Add</i>	1.29
		<i>For >50 To 250, Add</i>	0.64
		<i>For >500 To 1,000, Deduct</i>	-0.39
		<i>For >1,000, Deduct</i>	-0.77

31 23 16 13-0020**Direct Burial (Plowed-in) Cable Or Piping By Machine** (31 23 16 13)

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0021	LF	Direct Burial of Cable or Piping up to 12" Deep	1.97
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Earthwork	31
Earth Moving	31 20
Excavation and Fill	31 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 13-0022	LF	Direct Burial of Cable or Piping >12" to 24" Deep.....	2.17
31 23 16 13-0023	LF	Direct Burial of Cable or Piping >24" to 36" Deep.....	3.09
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >36" to 48" Deep.....	3.48

31 23 16 26 Rock Removal (31 23 16)

31 23 16 26-0001 Rock Breaking By Blasting (31 23 16 26)
 Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.

31 23 16 26-0002	BCY	Break Rock By Blasting	60.89
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31 23 16 26-0003 Rock Breaking By Jack Hammer (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0004	CY	Break Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	45.47
31 23 16 26-0005	CY	Break Rock With Jack Hammer, Medium Metamorphic Rock (Slate).....	56.84
31 23 16 26-0006	CY	Break Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt)	71.05

31 23 16 26-0007 Rock Breaking By Machine (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0008	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	24.58
31 23 16 26-0009	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	26.22
31 23 16 26-0010	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	31.13

31 23 16 33 Bulk Excavation (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

31 23 16 33-0001 Excavation (31 23 16 33)

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	8.04
		<i>For >1,000, Deduct</i>	-1.21
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.98
		<i>For >1,000, Deduct</i>	-0.75
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	9.89
		Note: Includes compacted aggregate	
		<i>For >1,000, Deduct</i>	-1.48
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	6.14
		Note: Includes compacted aggregate	
		<i>For >1,000, Deduct</i>	-0.92

31 23 16 33-0006 Spreading, Shaping And Rough Grading (31 23 16 33)

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	4.96
		<i>For >1,000, Deduct</i>	-0.74

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine.....	5.51
		<i>For >1,000, Deduct</i>	-0.83

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	4.41
		<i>For >1,000, Deduct</i>	-0.66
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	6.61
		<i>For >1,000, Deduct</i>	-0.99
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	9.93
		<i>For >1,000, Deduct</i>	-1.49
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	13.23
		<i>For >1,000, Deduct</i>	-1.98

31 23 16 33-0015 Finish Grading (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.55
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31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine	0.56
		Note: Per Lift	

31 23 16 33-0019 Loading Excess Material For Removal From Excavation (31 23 16 33)

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation.....	4.87
		<i>For >1,000, Deduct</i>	-0.73

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
31 23 16 36	Excavation for Building Foundations and Other Structures <small>(31 23 16)</small>		
Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.			
31 23 16 36-0001	Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.			
31 23 16 36-0002	Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	7.39	
	For Up To 20, Add	7.39	
	For >20 To 50, Add	5.54	
	For >50 To 250, Add	2.96	
	For >250 To 500, Add	1.11	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	9.28	
Note: Includes compacted aggregate			
	For Up To 20, Add	9.28	
	For >20 To 50, Add	6.96	
	For >50 To 250, Add	3.71	
	For >250 To 500, Add	1.39	
31 23 16 36-0005	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.99	
	For Up To 20, Add	5.99	
	For >20 To 50, Add	4.49	
	For >50 To 250, Add	2.40	
	For >250 To 500, Add	0.90	
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock	7.12	
Note: Includes compacted aggregate			
	For Up To 20, Add	7.12	
	For >20 To 50, Add	5.34	
	For >50 To 250, Add	2.85	
	For >250 To 500, Add	1.07	
31 23 16 36-0008	Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>		
Note: For areas not accessible by machine and only with owner's approval.			
31 23 16 36-0009	CY Excavation For Building Foundations And Other Structures By Hand in Soil	106.94	
31 23 16 36-0010	CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock	183.44	
Note: Includes compacted aggregate			
31 23 16 36-0011	Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures over 100'.			
31 23 16 36-0012	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	4.41	
	For Up To 20, Add	4.41	
	For >20 To 50, Add	3.31	
	For >50 To 250, Add	1.76	
	For >250 To 500, Add	0.66	
31 23 16 36-0013	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	6.61	
	For Up To 20, Add	6.61	
	For >20 To 50, Add	4.96	
	For >50 To 250, Add	2.64	
	For >250 To 500, Add	0.99	
31 23 16 36-0014	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	9.93	
	For Up To 20, Add	9.93	
	For >20 To 50, Add	7.45	
	For >50 To 250, Add	3.97	
	For >250 To 500, Add	1.49	
31 23 16 36-0015	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	13.23	
	For Up To 20, Add	13.23	
	For >20 To 50, Add	9.92	
	For >50 To 250, Add	5.29	
	For >250 To 500, Add	1.98	
31 23 16 36-0016	Backfilling <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.			
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	3.69	
	For Up To 20, Add	3.69	
	For >20 To 50, Add	2.77	
	For >50 To 250, Add	1.48	
	For >250 To 500, Add	0.55	
31 23 16 36-0018	CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	4.63	
	For Up To 20, Add	4.63	
	For >20 To 50, Add	3.47	
	For >50 To 250, Add	1.85	
	For >250 To 500, Add	0.69	
31 23 16 36-0019	CY Backfilling Around Building Foundations And Other Structures By Hand	50.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 36-0020			Compaction Of Fill Or Subbase <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0021	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera.....	9.88	
			<i>For Up To 20, Add</i>	9.88	
			<i>For >20 To 50, Add</i>	7.41	
			<i>For >50 To 250, Add</i>	3.95	
			<i>For >250 To 500, Add</i>	1.48	
31 23 16 36-0022	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand.....	33.50	

31 23 16 36-0023			Grading <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024	SY		Rough Grading For Building Foundations And Other Structures by Machine.....	0.95	
31 23 16 36-0025	SY		Finish Grading For Building Foundations And Other Structures by Machine.....	1.54	
31 23 16 36-0026	SY		Finish Grading For Building Foundations And Other Structures by Hand.....	9.90	

31 23 16 36-0027			Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.		
31 23 16 36-0028	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine.....	5.07	
			<i>For Up To 20, Add</i>	5.07	
			<i>For >20 To 50, Add</i>	3.80	
			<i>For >50 To 250, Add</i>	2.03	
			<i>For >250 To 500, Add</i>	0.76	
31 23 16 36-0029	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand.....	78.41	

31 23 16 36-0030			Spread Material <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031	CY		Spread Excess Or Imported Material On Site By Machine.....	2.57	
			<i>For Up To 20, Add</i>	2.57	
			<i>For >20 To 50, Add</i>	1.93	
			<i>For >50 To 250, Add</i>	1.03	
			<i>For >250 To 500, Add</i>	0.39	
31 23 16 36-0032	CY		Spread Excess Or Imported Material On Site By Hand.....	43.27	

31 23 19 Dewatering (31 23)

31 23 19 00-0001			Well Point Dewatering System <small>(31 23 19)</small>		
31 23 19 00-0002			Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small> Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF		Up To 100' In Length Well Point System Delivery, Installation And Removal.....	105.81	
31 23 19 00-0004	LF		>100' To 250' In Length Well Point System Delivery, Installation And Removal.....	58.20	
31 23 19 00-0005	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal.....	52.91	
31 23 19 00-0006	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal.....	47.62	
31 23 19 00-0007	LF		>500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	42.32	
31 23 19 00-0008	LF		>1,000' In Length Well Point System Delivery, Installation And Removal.....	37.03	

31 23 19 00-0009			Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small> Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD		Up To 100' In Length Well Point System Rental (LF x Days = Quantity).....	1.78	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.39	
			<i>For >1 Month, Deduct</i>	-0.50	
31 23 19 00-0011	LFD		>100' To 250' In Length Well Point System Rental (LF x Days = Quantity).....	1.04	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.23	
			<i>For >1 Month, Deduct</i>	-0.29	
31 23 19 00-0012	LFD		>250' To 500' In Length Well Point System Rental (LF x Days = Quantity).....	0.74	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.16	
			<i>For >1 Month, Deduct</i>	-0.21	
31 23 19 00-0013	LFD		>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.54	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.12	
			<i>For >1 Month, Deduct</i>	-0.15	
31 23 19 00-0014	LFD		>1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.49	
			<i>For >5 Days And <1 Month, Deduct</i>	-0.11	
			<i>For >1 Month, Deduct</i>	-0.14	

31 23 19 00-0015			Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small> Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR		Operation Costs.....	81.32	

31 23 23 Fill (31 23)

31 23 23 23 Compaction (31 23 23)

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 23 23 23-0001	Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator	173.73	
	See CSI section 01 22 23 00-1064 for water truck when water is available on site.		
31 23 23 33	Flowable Fill <small>(31 23 23)</small>		
31 23 23 33-0001	Flowable Cement Backfill For Trenches <small>(31 23 23 33)</small>		
	Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY Flowable Cement Backfill for Trenches.....	232.99	
	For Up To 20, Add	82.13	
	For >20 To 50, Add	53.94	
	For >50 To 250, Add	26.97	
	For >500 To 1,000, Deduct	-14.10	
	For >1,000, Deduct	-28.19	
31 24	Embankments <small>(31 24)</small>		
31 24 13	Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001	Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
	Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002	Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
	Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003	Cutting, Shaping, And Rough Grading <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	5.51	
	For Up To 20, Add	5.51	
	For >20 To 50, Add	4.13	
	For >50 To 250, Add	2.20	
	For >250 To 500, Add	0.83	
	For >1,000, Deduct	-0.83	
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	6.83	
	Note: Includes compacted aggregate		
	For Up To 20, Add	6.83	
	For >20 To 50, Add	5.12	
	For >50 To 250, Add	2.73	
	For >250 To 500, Add	1.02	
	For >1,000, Deduct	-1.02	
31 24 13 00-0006	Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007	SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope	5.48	
31 24 13 00-0008	SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	7.13	
31 24 13 00-0009	Scarify Soil <small>(31 24 13 00-0001)</small>		
	Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	5.10	
	For Up To 20, Add	2.55	
	For >20 To 50, Add	1.28	
	For >250 To 500, Deduct	-0.51	
	For >500, Deduct	-1.02	
31 24 13 00-0011	Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012	CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	9.93	
	For Up To 20, Add	9.93	
	For >20 To 50, Add	7.45	
	For >50 To 250, Add	3.97	
	For >250 To 500, Add	1.49	
	For >1,000, Deduct	-1.49	
31 24 13 00-0013	CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	13.23	
	For Up To 20, Add	13.23	
	For >20 To 50, Add	9.92	
	For >50 To 250, Add	5.29	
	For >250 To 500, Add	1.98	
	For >1,000, Deduct	-1.98	
31 24 13 00-0014	Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>		
	Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		

	Earthwork	31
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	Embankments	31 24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine.....	6.07	
			<i>For Up To 20, Add</i>	6.07	
			<i>For >20 To 50, Add</i>	4.55	
			<i>For >50 To 250, Add</i>	2.43	
			<i>For >250 To 500, Add</i>	0.91	
			<i>For >1,000, Deduct</i>	-0.91	

31 24 13 00-0016			Grading <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.64	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.85	
31 24 13 00-0019	LF		Finish Grade For Curb.....	0.96	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter.....	1.17	

31 24 13 00-0021			Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.56	
			<i>For Up To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.42	
			<i>For >500 To 1,000, Add</i>	0.22	
			<i>For >5,000, Deduct</i>	-0.08	

31 24 13 00-0023			Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	4.87	
			<i>For Up To 20, Add</i>	4.87	
			<i>For >20 To 50, Add</i>	3.65	
			<i>For >50 To 250, Add</i>	1.95	
			<i>For >250 To 500, Add</i>	0.73	
			<i>For >1,000, Deduct</i>	-0.73	

31 25 Erosion and Sedimentation Controls (31 20)

31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001			Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002	MSF		Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	45.94	
31 25 14 13-0003	MSF		>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	42.01	
31 25 14 13-0004	MSF		>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	38.68	
31 25 14 13-0005	MSF		>100,000 Bonded Fiber Matrix, Hydraulically Applied.....	36.77	

31 25 14 16 Rolled Erosion Control Mats and Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001			Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002			Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003	SY		S75 Single Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	1.77	
31 25 14 16-0004	SY		S75BN Single Net Erosion Control Blanket..... Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	2.19	
31 25 14 16-0005	SY		Curlex 1, Single Net Erosion Control Blanket..... Note: As manufactured by American Excelsior	1.70	
31 25 14 16-0006	SY		Curlex 1, Single Net Erosion Control Blanket..... Note: As manufactured by American Green.	1.77	
31 25 14 16-0007	SY		Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.61	
31 25 14 16-0008			Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY		S150 Double Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	2.27	
31 25 14 16-0010	SY		S150 BN Double Net Erosion Control Blanket..... Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	2.92	
31 25 14 16-0011	SY		Curlex II, Double Net Erosion Control Blanket, Natural..... Note: As manufactured by American Excelsior.	1.96	
31 25 14 16-0012	SY		Curlex II, Double Net Erosion Control Blanket, Green..... Note: As manufactured by American Excelsior.	2.04	
31 25 14 16-0013	SY		Enforcer Double Net Erosion Control Blanket..... Note: As manufactured by American Excelsior.	2.14	
31 25 14 16-0014			Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small> Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY		P300 Permanent Polypropylene Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized, two layer netting.	10.46	

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

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31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat	9.65	
		Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat.....	8.91	
		Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018		Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave.....	2.02	
31 25 14 16-0020		Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	7.93	
		Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber.....	11.32	
		Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23		Stabilization Measures for Erosion Control <small>(31 25 14)</small>		
		See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
31 25 14 23-0001		Sand Bags <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand	5.52	2.25
		For >2,500 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-1.00	
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand	7.14	2.80
		For >2,500 To 5,000, Deduct	-0.56	
		For >5,000, Deduct	-1.27	
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand	9.00	3.35
		For >2,500 To 5,000, Deduct	-0.67	
		For >5,000, Deduct	-1.57	
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand	11.09	4.19
		For >2,500 To 5,000, Deduct	-0.84	
		For >5,000, Deduct	-1.95	
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand	13.48	5.02
		For >2,500 To 5,000, Deduct	-1.00	
		For >5,000, Deduct	-2.35	
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand	15.68	5.71
		For >2,500 To 5,000, Deduct	-1.14	
		For >5,000, Deduct	-2.71	
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand	126.26	39.99
		For >2,500 To 5,000, Deduct	-7.44	
		For >5,000, Deduct	-20.07	
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand	165.45	43.99
		For >2,500 To 5,000, Deduct	-8.18	
		For >5,000, Deduct	-24.73	
31 25 14 23-0010		Gravel Bags <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel	4.73	1.50
		For >2,500 To 5,000, Deduct	-0.30	
		For >5,000, Deduct	-0.77	
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel	8.44	2.25
		For >2,500 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-1.29	
31 25 14 23-0013		Floating Turbidity Curtain <small>(31 25 14 23)</small>		
		Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	21.90	
		For Type 1, Deduct	-3.51	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	23.75	
		For Type 1, Deduct	-3.86	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	26.34	
		For Type 1, Deduct	-4.37	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	28.53	
		For Type 1, Deduct	-4.79	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	29.93	
		For Type 1, Deduct	-5.03	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	31.35	
		For Type 1, Deduct	-5.26	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	32.99	
		For Type 1, Deduct	-5.54	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	35.27	
		For Type 1, Deduct	-5.96	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	37.05	
		For Type 1, Deduct	-6.27	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	39.47	
		For Type 1, Deduct	-6.71	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	41.73	
		For Type 1, Deduct	-7.11	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	43.88	
		For Type 1, Deduct	-7.48	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	47.81	
		For Type 1, Deduct	-8.25	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	50.13	
		<i>For Type 1, Deduct</i>	-8.65	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	52.38	
		<i>For Type 1, Deduct</i>	-9.02	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	54.77	
		<i>For Type 1, Deduct</i>	-9.42	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	57.09	
		<i>For Type 1, Deduct</i>	-9.80	
31 25 14 23-0031		Turbidity Curtain Anchors <small>(31 25 14 23)</small>		
31 25 14 23-0032	EA	14 LB, Turbidity Curtain Anchor System.....	603.30	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033	EA	25 LB, Turbidity Curtain Anchor System.....	828.68	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034	EA	40 LB, Turbidity Curtain Anchor System.....	1,055.04	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035	EA	65 LB, Turbidity Curtain Anchor System.....	1,381.16	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0036		Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0037		Non-Woven Filter Bags <small>(31 25 14 23-0036)</small>		
31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag.....	174.67	
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag.....	252.48	
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag.....	290.59	
31 25 14 23-0041		Monofilament Filter Bags <small>(31 25 14 23-0036)</small>		
31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag.....	181.52	
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag.....	251.00	
31 25 14 23-0044		Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
		Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	36.51	
		<i>For Up To 500, Add</i>	8.22	
		<i>For >500 To 1,000, Add</i>	4.57	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill.....	41.81	
		<i>For Up To 500, Add</i>	9.36	
		<i>For >500 To 1,000, Add</i>	5.18	
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	47.88	
		<i>For Up To 500, Add</i>	10.67	
		<i>For >500 To 1,000, Add</i>	5.89	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill.....	53.99	
		<i>For Up To 500, Add</i>	12.02	
		<i>For >500 To 1,000, Add</i>	6.62	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block.....	39.26	
		<i>For Up To 500, Add</i>	8.77	
		<i>For >500 To 1,000, Add</i>	4.84	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block.....	45.09	
		<i>For Up To 500, Add</i>	10.02	
		<i>For >500 To 1,000, Add</i>	5.51	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block.....	51.77	
		<i>For Up To 500, Add</i>	11.45	
		<i>For >500 To 1,000, Add</i>	6.27	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block.....	58.44	
		<i>For Up To 500, Add</i>	12.91	
		<i>For >500 To 1,000, Add</i>	7.06	
31 25 14 26		Stabilization Measures for Sedimentation Control <small>(31 25 14)</small>		
31 25 14 26-0001		Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
		Note: Includes stakes and embedding.		
31 25 14 26-0002		Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center.....	2.57	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center.....	2.02	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center.....	1.45	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center.....	1.25	
31 25 14 26-0007		Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center.....	2.66	
		<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center.....	2.18	
		<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center.....	1.36	
		<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center.....	1.32	
		<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0012		Silt Dike Barrier <small>(31 25 14 26-0001)</small>		

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....3.07

31 25 14 26-0014 Silt Fences Removal (31 25 14 26-0001)

31 25 14 26-0015 LF Removal Of Silt Fence And Stakes.....0.71

31 25 14 26-0016 Hay And Straw Bales (31 25 14 26)

Note: Includes trench for placement, and stakes.

31 25 14 26-0017 LF Place Sterilized Straw Bales.....3.78

Note: Includes securing in ground with stakes.

31 25 14 26-0018 LF Place Hay Bales.....3.54

Note: Includes securing in ground with stakes.

31 25 14 26-0019 Sediment Logs (Degradable) (31 25 14 26)**31 25 14 26-0020 Sediment Logs (Degradable)** (31 25 14 26-0019)

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0021 LF 12" Sediment Log7.97

31 25 14 26-0022 LF 20" Sediment Log9.44

31 25 14 26-0023 Inlet Protection Sediment Bags (31 25 14 26)

Note: Includes removal, cleaning, and replacement per each location.

31 25 14 26-0024 EA 2' x 2' x 3' Inlet Protection Sediment Bag.....47.89

31 25 14 26-0025 EA 2' x 3' x 3' Inlet Protection Sediment Bag.....60.04

31 25 14 26-0026 EA 2' x 4' x 3' Inlet Protection Sediment Bag.....74.16

31 30 Earthwork Methods (31)**31 31 Soil Treatment** (31 30)**31 31 19 Vegetation Control** (31 31)**31 31 19 13 Chemical Vegetation Control** (31 31 19)**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002 MSF Soil Sterilant.....23.68

Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.

For >45 To 90, Deduct -0.38

For >90 To 225, Deduct -1.95

For >225, Deduct -2.72

31 32 Soil Stabilization (31 30)**31 32 13 Soil Mixing Stabilization** (31 32)**31 32 13 16 Cement Soil Stabilization** (31 32 13)**31 32 13 16-0001 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0002 CY Cementitious Soil Binder, 4% Cement Mix By Volume.....34.19

31 32 13 16-0003 CY Cementitious Soil Binder, 6% Cement Mix By Volume.....40.22

31 32 13 16-0004 CY Cementitious Soil Binder, 9% Cement Mix By Volume.....50.16

31 32 13 16-0005 CY Cementitious Soil Binder, 12% Cement Mix By Volume.....59.94

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution2.69

31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)**31 32 19 13 Geogrid Soil Stabilization** (31 32 19)**31 32 19 13-0001 Geogrid Fabrics** (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002 SY 5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....2.98

For Up To 50, Add 0.69

For >50 To 150, Add 0.51

For >150 To 250, Add 0.33

For >250 To 500, Add 0.16

31 32 19 13-0003 SY 6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....3.39

For Up To 50, Add 0.77

For >50 To 150, Add 0.57

For >150 To 250, Add 0.37

For >250 To 500, Add 0.19

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31 32 19 13-0004	SY		8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	3.69	
			<i>For Up To 50, Add</i>	0.83	
			<i>For >50 To 150, Add</i>	0.62	
			<i>For >150 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.20	
31 32 19 13-0005	SY		12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	5.28	
			<i>For Up To 50, Add</i>	1.16	
			<i>For >50 To 150, Add</i>	0.86	
			<i>For >150 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.28	
31 32 19 13-0006	SY		14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	6.03	
			<i>For Up To 50, Add</i>	1.31	
			<i>For >50 To 150, Add</i>	0.97	
			<i>For >150 To 250, Add</i>	0.64	
			<i>For >250 To 500, Add</i>	0.32	
31 32 19 13-0007	SY		4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	3.03	
			<i>For Up To 50, Add</i>	0.70	
			<i>For >50 To 150, Add</i>	0.51	
			<i>For >150 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.17	
31 32 19 13-0008	SY		5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	4.42	
			<i>For Up To 50, Add</i>	0.98	
			<i>For >50 To 150, Add</i>	0.73	
			<i>For >150 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.24	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.93	
			<i>For Up To 50, Add</i>	0.22	
			<i>For >50 To 150, Add</i>	0.16	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0003	SY		3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.99	
			<i>For Up To 50, Add</i>	0.23	
			<i>For >50 To 150, Add</i>	0.17	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0004	SY		4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.07	
			<i>For Up To 50, Add</i>	0.25	
			<i>For >50 To 150, Add</i>	0.18	
			<i>For >150 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0005	SY		4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	1.15	
			<i>For Up To 50, Add</i>	0.26	
			<i>For >50 To 150, Add</i>	0.19	
			<i>For >150 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0006	SY		6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.36	
			<i>For Up To 50, Add</i>	0.31	
			<i>For >50 To 150, Add</i>	0.23	
			<i>For >150 To 250, Add</i>	0.15	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0007	SY		7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.60	
			<i>For Up To 50, Add</i>	0.36	
			<i>For >50 To 150, Add</i>	0.27	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0008	SY		8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.76	
			<i>For Up To 50, Add</i>	0.39	
			<i>For >50 To 150, Add</i>	0.29	
			<i>For >150 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.10	
31 32 19 16-0009	SY		10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	2.16	
			<i>For Up To 50, Add</i>	0.47	
			<i>For >50 To 150, Add</i>	0.35	
			<i>For >150 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.12	

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	1.33	
			<i>For Up To 50, Add</i>	0.30	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	1.86	
			<i>For Up To 50, Add</i>	0.41	
			<i>For >50 To 150, Add</i>	0.30	
			<i>For >150 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.10	

31 Earthwork
31 30 Earthwork Methods
31 32 Soil Stabilization

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	3.27
		For Up To 50, Add	0.70
		For >50 To 150, Add	0.52
		For >150 To 250, Add	0.34
		For >250 To 500, Add	0.17
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	3.19
		For Up To 50, Add	0.68
		For >50 To 150, Add	0.51
		For >150 To 250, Add	0.33
		For >250 To 500, Add	0.17
31 32 19 16-0015	SY	6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.79
		For Up To 50, Add	0.60
		For >50 To 150, Add	0.45
		For >150 To 250, Add	0.29
		For >250 To 500, Add	0.15
31 32 19 16-0016	SY	9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.98
		For Up To 50, Add	0.64
		For >50 To 150, Add	0.48
		For >150 To 250, Add	0.31
		For >250 To 500, Add	0.16
31 32 19 16-0017	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	3.80
		For Up To 50, Add	0.80
		For >50 To 150, Add	0.60
		For >150 To 250, Add	0.39
		For >250 To 500, Add	0.20
31 32 19 16-0018	SY	12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	5.40
		For Up To 50, Add	1.12
		For >50 To 150, Add	0.84
		For >150 To 250, Add	0.55
		For >250 To 500, Add	0.28
31 32 19 16-0019		Geomembranes (31 32 19 16)	
31 32 19 16-0020		Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0019)	
31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.03
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.18
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.43
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.71
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.96
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.14
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.31
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.56
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.79
31 32 19 16-0030		High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)	
31 32 19 16-0031	SF	20 Mil High Density Polyethylene Membrane (US Fabrics)	0.78
31 32 19 16-0032	SF	30 Mil High Density Polyethylene Membrane (US Fabrics)	1.00
31 32 19 16-0033	SF	40 Mil High Density Polyethylene Membrane (US Fabrics)	1.19
31 32 19 16-0034	SF	50 Mil High Density Polyethylene Membrane (US Fabrics)	2.00
31 32 19 16-0035	SF	60 Mil High Density Polyethylene Membrane (US Fabrics)	1.53
31 32 19 16-0036	SF	80 Mil High Density Polyethylene Membrane (US Fabrics)	1.91
31 32 19 16-0037	SF	100 Mil High Density Polyethylene Membrane (US Fabrics)	2.28
31 32 19 16-0038	SF	120 Mil High Density Polyethylene Membrane (US Fabrics)	4.18
31 32 19 16-0039	SF	140 Mil High Density Polyethylene Membrane (US Fabrics)	4.34
31 32 19 26		Geoweb Cellular Confinement System (31 32 19)	
		Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.	
31 32 19 26-0001		Geoweb Cellular Confinement System (31 32 19 26)	
		Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.	
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	5.06
		For >20,000, Deduct	-0.10
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	6.00
		For >20,000, Deduct	-0.15
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	7.12
		For >20,000, Deduct	-0.21
31 35		Slope Protection (31 30)	
31 35 19		Geosynthetic Slope Protection (31 35)	
31 35 19 19		Slope Protection with Mulch Control Netting (31 35 19)	
31 35 19 19-0001		Erosion Control Fabric (31 35 19 19)	
31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	3.78

MINOR
CSI UOM DESCRIPTION

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	55.56
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	65.50
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	78.84
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	93.20
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	109.45
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	149.76
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	189.23

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	35.35
31 37 13 00-0003	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.73
31 37 13 00-0004	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	43.26
31 37 13 00-0005	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	46.14
31 37 13 00-0006	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.47
31 37 13 00-0007	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	52.31
31 37 13 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	64.13

31 40 Shoring and Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	11.85
		<i>For Wood Sheeting Left In Place</i>	0.28
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	12.76
		<i>For Wood Sheeting Left In Place</i>	0.15
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	13.76
		<i>For Wood Sheeting Left In Place</i>	0.01
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	14.82
		<i>For Wood Sheeting Left In Place</i>	-0.17
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	16.00
		<i>For Wood Sheeting Left In Place</i>	-0.34
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	17.24
		<i>For Wood Sheeting Left In Place</i>	-0.56
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	18.62
		<i>For Wood Sheeting Left In Place</i>	-0.79

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,864.91
		<i>For Standard Sheeting Left In Place, Add</i>	1,233.36
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,708.79
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39
		<i>For Each Additional Month >3 Months, Add</i>	66.03
31 41 16 13-0003	TON	Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	1,929.81
		<i>For Standard Sheeting Left In Place, Add</i>	1,200.91
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,676.34
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39
		<i>For Each Additional Month >3 Months, Add</i>	66.03

31 Earthwork**31 40 Shoring and Underpinning****31 41 Shoring**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 41 16 13-0004	TON Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,231.54	
	<i>For Standard Sheeting Left In Place, Add</i>	1,050.05	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,525.47	
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86	
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39	
	<i>For Each Additional Month >3 Months, Add</i>	66.03	
31 41 16 13-0005	TON Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,521.86	
	<i>For Standard Sheeting Left In Place, Add</i>	904.89	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,380.31	
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86	
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39	
	<i>For Each Additional Month >3 Months, Add</i>	66.03	
31 41 16 13-0006	TON Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,692.65	
	<i>For Standard Sheeting Left In Place, Add</i>	819.49	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,294.92	
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86	
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39	
	<i>For Each Additional Month >3 Months, Add</i>	66.03	
31 41 16 13-0007	TON Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,866.86	
	<i>For Standard Sheeting Left In Place, Add</i>	732.39	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,207.81	
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	118.86	
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	132.06	
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	409.39	
	<i>For Each Additional Month >3 Months, Add</i>	66.03	

31 45 Vibroflotation and Densification ^(31 40)**31 45 13 Vibroflotation** ^(31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation.....	12.65	
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31 60 Special Foundations and Load-bearing Elements ⁽³¹⁾**31 62 Driven Piles** ^(31 60)**31 62 16 Steel Piles** ^(31 62)**31 62 16 19 Unfilled Tubular Steel Piles** ^(31 62 16)**31 62 16 19-0001 Unfilled Tubular Driven Steel Piles** ^(31 62 16 19)

31 62 16 19-0002	VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	39.00	
	<i>For Piles Driven In Water, Add</i>	17.48	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0003	VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile.....	44.98	
	<i>For Piles Driven In Water, Add</i>	18.08	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0004	VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile.....	51.44	
	<i>For Piles Driven In Water, Add</i>	18.73	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0005	VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile.....	44.98	
	<i>For Piles Driven In Water, Add</i>	18.08	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0006	VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile.....	50.66	
	<i>For Piles Driven In Water, Add</i>	18.65	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0007	VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	63.22	
	<i>For Piles Driven In Water, Add</i>	19.90	
	<i>For Pulling And Salvage After Use, Add</i>	15.09	
31 62 16 19-0008	VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile.....	52.81	
	<i>For Piles Driven In Water, Add</i>	19.56	
	<i>For Pulling And Salvage After Use, Add</i>	15.87	
31 62 16 19-0009	VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile.....	59.45	
	<i>For Piles Driven In Water, Add</i>	20.23	
	<i>For Pulling And Salvage After Use, Add</i>	15.87	
31 62 16 19-0010	VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile.....	63.15	
	<i>For Piles Driven In Water, Add</i>	20.60	
	<i>For Pulling And Salvage After Use, Add</i>	15.87	
31 62 16 19-0011	VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile.....	73.49	
	<i>For Piles Driven In Water, Add</i>	21.63	
	<i>For Pulling And Salvage After Use, Add</i>	15.87	
31 62 16 19-0012	VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile.....	57.13	
	<i>For Piles Driven In Water, Add</i>	21.50	
	<i>For Pulling And Salvage After Use, Add</i>	17.54	
31 62 16 19-0013	VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	64.65	
	<i>For Piles Driven In Water, Add</i>	22.25	
	<i>For Pulling And Salvage After Use, Add</i>	17.54	
31 62 16 19-0014	VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile.....	72.18	
	<i>For Piles Driven In Water, Add</i>	23.00	
	<i>For Pulling And Salvage After Use, Add</i>	17.54	
31 62 16 19-0015	VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile.....	79.70	
	<i>For Piles Driven In Water, Add</i>	23.76	
	<i>For Pulling And Salvage After Use, Add</i>	17.54	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 16 19-0016	VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile.....	63.57	
	<i>For Piles Driven In Water, Add</i>	23.99	
	<i>For Pulling And Salvage After Use, Add</i>	19.59	
31 62 16 19-0017	VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile.....	72.36	
	<i>For Piles Driven In Water, Add</i>	24.87	
	<i>For Pulling And Salvage After Use, Add</i>	19.59	
31 62 16 19-0018	VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile.....	89.51	
	<i>For Piles Driven In Water, Add</i>	26.58	
	<i>For Pulling And Salvage After Use, Add</i>	19.59	
31 62 16 19-0019	VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile.....	78.37	
	<i>For Piles Driven In Water, Add</i>	26.95	
	<i>For Pulling And Salvage After Use, Add</i>	21.24	
31 62 16 19-0020	VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile.....	89.80	
	<i>For Piles Driven In Water, Add</i>	28.10	
	<i>For Pulling And Salvage After Use, Add</i>	21.24	
31 62 16 19-0021	VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile.....	111.51	
	<i>For Piles Driven In Water, Add</i>	30.27	
	<i>For Pulling And Salvage After Use, Add</i>	21.24	

31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)

31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)

31 62 16 19-0024	EA 8" Diameter, Steel Pipe Pile Splice.....	219.69	
31 62 16 19-0025	EA 10" Diameter, Steel Pipe Pile Splice.....	236.63	
31 62 16 19-0026	EA 12" Diameter, Steel Pipe Pile Splice.....	307.19	
31 62 16 19-0027	EA 14" Diameter, Steel Pipe Pile Splice.....	323.89	
31 62 16 19-0028	EA 16" Diameter, Steel Pipe Pile Splice.....	392.18	
31 62 16 19-0029	EA 18" Diameter, Steel Pipe Pile Splice.....	474.18	

31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)

31 62 16 19-0031	EA 8" Diameter, Steel Pipe Standard Pile Point.....	216.93	
31 62 16 19-0032	EA 10" Diameter, Steel Pipe Standard Pile Point.....	230.50	
31 62 16 19-0033	EA 12" Diameter, Steel Pipe Standard Pile Point.....	261.37	
31 62 16 19-0034	EA 14" Diameter, Steel Pipe Standard Pile Point.....	298.67	
31 62 16 19-0035	EA 16" Diameter, Steel Pipe Standard Pile Point.....	332.58	
31 62 16 19-0036	EA 18" Diameter, Steel Pipe Standard Pile Point.....	383.39	

31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)

31 62 16 19-0038	EA 10" Diameter, Steel Pipe Heavy Duty Pile Point.....	316.64	
31 62 16 19-0039	EA 12" Diameter, Steel Pipe Heavy Duty Pile Point.....	333.59	
31 62 16 19-0040	EA 14" Diameter, Steel Pipe Heavy Duty Pile Point.....	374.62	
31 62 16 19-0041	EA 16" Diameter, Steel Pipe Heavy Duty Pile Point.....	442.44	
31 62 16 19-0042	EA 18" Diameter, Steel Pipe Heavy Duty Pile Point.....	501.30	

31 62 23 Composite Piles (31 62)

31 62 23 13 Concrete-Filled Steel Piles (31 62 23)

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	42.54	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	5.61	
	<i>For Piles Driven In Water, Add</i>	19.01	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.66	
31 62 23 13-0003	VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	48.52	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.21	
	<i>For Piles Driven In Water, Add</i>	19.61	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.66	
31 62 23 13-0004	VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	54.98	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.86	
	<i>For Piles Driven In Water, Add</i>	20.26	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.66	
31 62 23 13-0005	VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	50.20	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.02	
	<i>For Piles Driven In Water, Add</i>	20.10	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.89	
31 62 23 13-0006	VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	55.88	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.59	
	<i>For Piles Driven In Water, Add</i>	20.67	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.89	
31 62 23 13-0007	VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	68.43	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.85	
	<i>For Piles Driven In Water, Add</i>	21.93	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-10.89	
31 62 23 13-0008	VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	60.17	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	10.94	
	<i>For Piles Driven In Water, Add</i>	22.38	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-11.82	
31 62 23 13-0009	VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	66.82	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.60	
	<i>For Piles Driven In Water, Add</i>	23.04	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-11.82	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 62 23 13-0010	VLF 12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	70.52	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	11.97	
	<i>For Piles Driven In Water, Add</i>	23.41	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-11.82	
31 62 23 13-0011	VLF 12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	80.86	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.01	
	<i>For Piles Driven In Water, Add</i>	24.45	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-11.82	
31 62 23 13-0012	VLF 14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	66.87	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.72	
	<i>For Piles Driven In Water, Add</i>	25.80	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.81	
31 62 23 13-0013	VLF 14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	74.39	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	14.48	
	<i>For Piles Driven In Water, Add</i>	26.56	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.81	
31 62 23 13-0014	VLF 14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	81.91	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.23	
	<i>For Piles Driven In Water, Add</i>	27.31	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.81	
31 62 23 13-0015	VLF 14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	89.43	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.98	
	<i>For Piles Driven In Water, Add</i>	28.06	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.81	
31 62 23 13-0016	VLF 16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	74.46	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	17.17	
	<i>For Piles Driven In Water, Add</i>	27.71	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-14.63	
31 62 23 13-0017	VLF 16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	83.25	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.04	
	<i>For Piles Driven In Water, Add</i>	28.58	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-14.63	
31 62 23 13-0018	VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	100.40	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	19.76	
	<i>For Piles Driven In Water, Add</i>	30.30	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-14.63	
31 62 23 13-0019	VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	91.64	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	21.91	
	<i>For Piles Driven In Water, Add</i>	31.06	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-15.81	
31 62 23 13-0020	VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	103.07	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	23.05	
	<i>For Piles Driven In Water, Add</i>	32.20	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-15.81	
31 62 23 13-0021	VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	124.78	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	25.23	
	<i>For Piles Driven In Water, Add</i>	34.38	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-15.81	
31 62 23 13-0022	7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small>		
	Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023	VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	53.74	
	<i>For Piles Driven In Water, Add</i>	16.69	
31 62 23 13-0024	VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	65.17	
	<i>For Piles Driven In Water, Add</i>	18.64	
31 62 23 13-0025	VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	73.75	
	<i>For Piles Driven In Water, Add</i>	20.43	
31 62 23 13-0026	VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	80.23	
	<i>For Piles Driven In Water, Add</i>	22.16	
31 62 23 13-0027	Tapered Friction Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small>		
	Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028	VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	52.73	
	<i>For Piles Driven In Water, Add</i>	16.59	
31 62 23 13-0029	VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	54.13	
	<i>For Piles Driven In Water, Add</i>	17.54	
31 62 23 13-0030	VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	66.01	
	<i>For Piles Driven In Water, Add</i>	19.65	
31 62 23 13-0031	VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	76.14	
	<i>For Piles Driven In Water, Add</i>	21.75	
31 62 23 13-0032	Thin Wall Shell Straight Sided Driven Steel Piles <small>(31 62 23 13)</small>		
31 62 23 13-0033	VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	31.77	
	<i>For Piles Driven In Water, Add</i>	12.73	
	<i>For Thick Wall Shell, Add</i>	0.05	
31 62 23 13-0034	VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	35.07	
	<i>For Piles Driven In Water, Add</i>	14.12	
	<i>For Thick Wall Shell, Add</i>	0.06	
31 62 23 13-0035	VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	38.35	
	<i>For Piles Driven In Water, Add</i>	15.51	
	<i>For Thick Wall Shell, Add</i>	0.06	
31 62 23 13-0036	VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	41.64	
	<i>For Piles Driven In Water, Add</i>	16.89	
	<i>For Thick Wall Shell, Add</i>	0.07	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	44.95	
		<i>For Piles Driven In Water, Add</i>	18.28	
		<i>For Thick Wall Shell, Add</i>	0.07	

31 63 Bored Piles (31 60)

31 63 33 Drilled Micropiles (31 63)

31 63 33 00-0001 Screw In Metal Post (31 63 33)

Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.

31 63 33 00-0002	EA	Mobilization Up To 100 Miles From Certified Installer Location	281.76	
		<i>Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.</i>		
		<i>For Each Additional 50 Miles, Add</i>	97.36	
31 63 33 00-0003	EA	8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	354.53	103.92
		<i>For Each Additional Foot Of Post, Add</i>	25.92	
31 63 33 00-0004	EA	8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	553.95	162.37
		<i>For Each Additional Foot Of Post, Add</i>	44.27	
31 63 33 00-0005	EA	8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	646.28	189.43
		<i>For Each Additional Foot Of Post, Add</i>	400.48	
31 63 33 00-0006	EA	18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	411.20	109.34
		<i>For Each Additional Foot Of Post, Add</i>	25.92	
31 63 33 00-0007	EA	18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	610.62	167.78
		<i>For Each Additional Foot Of Post, Add</i>	44.27	
31 63 33 00-0008	EA	18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	702.95	194.84
		<i>For Each Additional Foot Of Post, Add</i>	400.48	
31 63 33 00-0009	EA	24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	437.30	114.75
		<i>For Each Additional Foot Of Post, Add</i>	25.92	
31 63 33 00-0010	EA	24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	625.90	167.78
		<i>For Each Additional Foot Of Post, Add</i>	44.27	
31 63 33 00-0011	EA	24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	718.23	194.84
		<i>For Each Additional Foot Of Post, Add</i>	400.48	
31 63 33 00-0012	EA	8" To 12" Helix Added To Any Size Galvanized Post	109.13	
31 63 33 00-0013	EA	18" Helix Added To Any Size Galvanized Post	138.16	
31 63 33 00-0014	EA	24" Helix Added To Any Size Galvanized Post	145.80	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 63	Bored Piles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.13	
	For Up To 250, Add	0.89	
	For >250 To 1,000, Add	0.44	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 25,000, Deduct	-0.44	
	For >25,000 To 50,000, Deduct	-0.62	
	For >50,000, Deduct	-0.71	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.13	
	For Up To 250, Add	1.07	
	For >250 To 1,000, Add	0.53	
	For >5,000 To 10,000, Deduct	-0.32	
	For >10,000 To 25,000, Deduct	-0.53	
	For >25,000 To 50,000, Deduct	-0.75	
	For >50,000, Deduct	-0.85	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.56	
	For Up To 250, Add	1.28	
	For >250 To 1,000, Add	0.64	
	For >5,000 To 10,000, Deduct	-0.38	
	For >10,000 To 25,000, Deduct	-0.64	
	For >25,000 To 50,000, Deduct	-0.90	
	For >50,000, Deduct	-1.02	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.06	
	For Up To 250, Add	1.53	
	For >250 To 1,000, Add	0.77	
	For >5,000 To 10,000, Deduct	-0.46	
	For >10,000 To 25,000, Deduct	-0.77	
	For >25,000 To 50,000, Deduct	-1.07	
	For >50,000, Deduct	-1.22	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.06	
	For Up To 250, Add	1.53	
	For >250 To 1,000, Add	0.77	
	For >5,000 To 10,000, Deduct	-0.46	
	For >10,000 To 25,000, Deduct	-0.77	
	For >25,000 To 50,000, Deduct	-1.07	
	For >50,000, Deduct	-1.22	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.29	
	For Up To 250, Add	1.15	
	For >250 To 1,000, Add	0.57	
	For >5,000 To 10,000, Deduct	-0.34	
	For >10,000 To 25,000, Deduct	-0.57	
	For >25,000 To 50,000, Deduct	-0.80	
	For >50,000, Deduct	-0.92	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	2.70	
	For Up To 250, Add	1.35	
	For >250 To 1,000, Add	0.68	
	For >5,000 To 10,000, Deduct	-0.41	
	For >10,000 To 25,000, Deduct	-0.68	
	For >25,000 To 50,000, Deduct	-0.95	
	For >50,000, Deduct	-1.08	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	3.27	
	For Up To 250, Add	1.64	
	For >250 To 1,000, Add	0.82	
	For >5,000 To 10,000, Deduct	-0.49	
	For >10,000 To 25,000, Deduct	-0.82	
	For >25,000 To 50,000, Deduct	-1.14	
	For >50,000, Deduct	-1.31	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	3.91	
	For Up To 250, Add	1.96	
	For >250 To 1,000, Add	0.98	
	For >5,000 To 10,000, Deduct	-0.59	
	For >10,000 To 25,000, Deduct	-0.98	
	For >25,000 To 50,000, Deduct	-1.37	
	For >50,000, Deduct	-1.56	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	3.91	
	For Up To 250, Add	1.96	
	For >250 To 1,000, Add	0.98	
	For >5,000 To 10,000, Deduct	-0.59	
	For >10,000 To 25,000, Deduct	-0.98	
	For >25,000 To 50,000, Deduct	-1.37	
	For >50,000, Deduct	-1.56	

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 01 13 62 Asphalt Surface Treatment ^(32 01 13)

32 01 13 62-0001 Asphalt Seal Coating Minimum ^(32 01 13 62)

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 13 62-0002 EA Asphalt Seal Coating Minimum.....497.71
 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively.
 This task should not be used in conjunction with any other tasks in this section.

32 01 13 62-0003 Slurry Seal (32 01 13 62)

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

32 01 13 62-0004 TON Up To 45 Ton Type II Slurry Seal.....446.88
 Note: 1/4" thick, 14 to 18 Lbs/SY.

For >45 To 91, Deduct-67.03

For >91 To 272, Deduct-111.72

32 01 13 62-0005 TON Up To 45 Ton Type III Slurry Seal.....343.50
 Note: 3/8" thick, 25 to 30 Lbs/SY.

For >45 To 91, Deduct-51.53

For >91 To 272, Deduct-85.88

32 01 13 62-0006 Micro Surfacing (32 01 13 62)

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007 TON Up To 45 Ton Type II Micro Surfacing.....527.49

For >45 To 91, Deduct-79.12

For >91 To 272, Deduct-131.87

32 01 13 62-0008 TON Up To 45 Ton Type III Micro Surfacing.....528.99

For >45 To 91, Deduct-79.35

For >91 To 272, Deduct-132.25

32 01 13 62-0009 TON Up To 45 Ton Rut-Filling Type III Micro Surfacing.....535.89

For >45 To 91, Deduct-80.38

For >91 To 272, Deduct-133.97

32 01 13 62-0010 TON Up To 45 Ton 6.3 mm Super Thin HMA.....419.07

For >45 To 91, Deduct-62.86

For >91 To 272, Deduct-104.77

32 01 16 Flexible Paving Rehabilitation (32 01)**32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)****32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)**

Note: Includes direct loading into truck.

32 01 16 71-0002 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....23.17

For >100 To 1,000, Deduct-11.59

For >1,000, Deduct-17.38

32 01 16 71-0004 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....30.68

For >100 To 1,000, Deduct-15.34

For >1,000, Deduct-23.01

32 01 16 71-0005 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....40.87

For >100 To 1,000, Deduct-20.44

For >1,000, Deduct-30.65

32 01 16 71-0006 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0007 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth6.07

32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)**

Note: Includes direct loading into truck.

32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings.....7.30

32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings.....8.99

32 01 16 74-0004 SY Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.77

32 01 16 74-0005 SY >49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.64

32 01 16 74-0006 SY Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.91

32 01 16 74-0007 SY >49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.77

32 01 16 74-0008 SY Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.30

32 01 16 74-0009 SY >49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.19

32 01 16 74-0010 SY Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.42

32 01 16 74-0011 SY >49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.30

32 01 16 74-0012 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0013 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....12.48

32 01 16 74-0014 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....6.24

32 01 16 74-0015 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....3.12

32 01 16 74-0016 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....2.95

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0017	SY			>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.41	
32 01 16 74-0018	SY			>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	13.62	
32 01 16 74-0019	SY			>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.80	
32 01 16 74-0020	SY			>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.21	
32 01 16 74-0021	SY			>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.98	
32 01 16 74-0022	SY			>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.49	
32 01 16 74-0023	SY			>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.74	
32 01 16 74-0024	SY			>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.46	
32 01 16 74-0025	SY			>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.34	
32 01 16 74-0026	SY			>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.17	
32 01 16 74-0027	SY			>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.08	
32 01 16 74-0028	SY			>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.81	
32 01 16 74-0029	EA			Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,404.28	

32 01 17 Flexible Paving Repair (32 01)
 See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.39
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.39
		For 1" x 1/2" Fill, Add	0.73
		For Backer Rod, Add	0.81
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.14
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.33
		For 1" x 1/2" Fill, Add	0.62
		For Backer Rod, Add	0.74
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.91
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.26
		For 1" x 1/2" Fill, Add	0.50
		For Backer Rod, Add	0.66
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.78
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.23
		For 1" x 1/2" Fill, Add	0.44
		For Backer Rod, Add	0.62
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.70
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.20
		For 1" x 1/2" Fill, Add	0.39
		For Backer Rod, Add	0.58
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.65
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.19
		For 1" x 1/2" Fill, Add	0.36
		For Backer Rod, Add	0.56
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.51
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.02
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.56
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.37
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.24
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.15
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.42

32 01 17 63 Flexible Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,424.01
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	432.07
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,355.64
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix.....	409.28
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,321.46
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	397.88
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,287.27

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 17 Flexible Paving Repair**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	386.49
		Note: Use for each ton over 3 tons.	
32 01 17 63-0010		Permanent Pot Hole Repair <small>(32 01 17 63)</small>	
		Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.	
32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,554.73
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Modified	506.31
		Note: Use for each ton over 3 tons.	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,486.36
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Cold Mix	483.52
		Note: Use for each ton over 3 tons.	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,452.18
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Modified	472.12
		Note: Use for each ton over 3 tons.	
32 01 17 63-0017	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,417.99
32 01 17 63-0018	TON	Permanent Pot Hole Repairs With Hot Mix	460.73
		Note: Use for each ton over 3 tons.	
32 01 17 63-0019		Asphalt Placement For Small Repairs <small>(32 01 17 63)</small>	
		Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth.	
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons	2,042.71
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified	293.38
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	1,970.93
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix	269.46
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	1,935.04
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	257.49
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	1,899.14
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix	245.53
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0028		Grind Asphalt <small>(32 01 17 63)</small>	
32 01 17 63-0029	SY	Grinding Asphalt To Level Bump Or Raised Area	17.89

32 01 90 Operation and Maintenance of Planting (32 01)**32 01 90 13 Fertilizing** (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	12.19
32 01 90 13-0002	MSF	Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.93
32 01 90 13-0003	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.76
32 01 90 13-0004	MSF	Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	8.02

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog	153.69
		Note: Includes normal debris removal, cutting, and trimming.	
		For <1 Acre, Add	38.42

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001		Tree Pruning <small>(32 01 90 23)</small>	
		Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.	
32 01 90 23-0002		Tree Pruning; Crown Cleaning <small>(32 01 90 23-0001)</small>	
		Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.	
32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	25.62
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	29.28
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	32.93
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	36.59
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	55.61
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	93.11

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 23-0009	EA 6" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	97.32	
32 01 90 23-0010	EA 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	177.33	
32 01 90 23-0011	EA 9" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	155.85	
32 01 90 23-0012	EA 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	283.66	
32 01 90 23-0013	EA 12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	180.08	
32 01 90 23-0014	EA 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	328.04	
32 01 90 23-0015	EA 18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	209.34	
32 01 90 23-0016	EA 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	381.24	
32 01 90 23-0017	EA 24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	254.82	
32 01 90 23-0018	EA 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	461.11	
32 01 90 23-0019	EA 30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	316.54	
32 01 90 23-0020	EA 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	581.14	
32 01 90 23-0021	EA 36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	433.56	
32 01 90 23-0022	EA 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	787.64	
32 01 90 23-0023	EA 48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	687.83	
32 01 90 23-0024	EA 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,266.65	

32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA 1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	31.39	
32 01 90 23-0027	EA 2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	35.86	
32 01 90 23-0028	EA 2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand.....	40.32	
32 01 90 23-0029	EA 3" Caliper, Tree Pruning (Crown Thinning), By Hand.....	44.87	
32 01 90 23-0030	EA 4" Caliper, Tree Pruning (Crown Thinning), By Hand.....	68.13	
32 01 90 23-0031	EA 4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	114.03	
32 01 90 23-0032	EA 6" Caliper, Tree Pruning (Crown Thinning), By Hand.....	119.22	
32 01 90 23-0033	EA 6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	217.23	
32 01 90 23-0034	EA 9" Caliper, Tree Pruning (Crown Thinning), By Hand.....	190.94	
32 01 90 23-0035	EA 9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	347.48	
32 01 90 23-0036	EA 12" Caliper, Tree Pruning (Crown Thinning), By Hand.....	220.58	
32 01 90 23-0037	EA 12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	401.83	
32 01 90 23-0038	EA 18" Caliper, Tree Pruning (Crown Thinning), By Hand.....	256.44	
32 01 90 23-0039	EA 18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	467.00	
32 01 90 23-0040	EA 24" Caliper, Tree Pruning (Crown Thinning), By Hand.....	312.14	
32 01 90 23-0041	EA 24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	564.89	
32 01 90 23-0042	EA 30" Caliper, Tree Pruning (Crown Thinning), By Hand.....	387.74	
32 01 90 23-0043	EA 30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	711.90	
32 01 90 23-0044	EA 36" Caliper, Tree Pruning (Crown Thinning), By Hand.....	531.10	
32 01 90 23-0045	EA 36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	964.86	
32 01 90 23-0046	EA 48" Caliper, Tree Pruning (Crown Thinning), By Hand.....	842.58	
32 01 90 23-0047	EA 48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment.....	1,551.65	

32 01 90 23-0048

Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA 1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	34.62	
32 01 90 23-0050	EA 2" Caliper, Tree Pruning (Crown Raising), By Hand.....	39.52	
32 01 90 23-0051	EA 2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand.....	44.50	
32 01 90 23-0052	EA 3" Caliper, Tree Pruning (Crown Raising), By Hand.....	49.40	
32 01 90 23-0053	EA 4" Caliper, Tree Pruning (Crown Raising), By Hand.....	75.08	
32 01 90 23-0054	EA 4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	125.73	
32 01 90 23-0055	EA 6" Caliper, Tree Pruning (Crown Raising), By Hand.....	131.36	
32 01 90 23-0056	EA 6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	239.39	
32 01 90 23-0057	EA 9" Caliper, Tree Pruning (Crown Raising), By Hand.....	210.40	
32 01 90 23-0058	EA 9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	382.94	
32 01 90 23-0059	EA 12" Caliper, Tree Pruning (Crown Raising), By Hand.....	243.12	
32 01 90 23-0060	EA 12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	442.88	
32 01 90 23-0061	EA 18" Caliper, Tree Pruning (Crown Raising), By Hand.....	282.64	
32 01 90 23-0062	EA 18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	514.71	
32 01 90 23-0063	EA 24" Caliper, Tree Pruning (Crown Raising), By Hand.....	344.05	
32 01 90 23-0064	EA 24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	622.52	
32 01 90 23-0065	EA 30" Caliper, Tree Pruning (Crown Raising), By Hand.....	427.32	
32 01 90 23-0066	EA 30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	784.51	
32 01 90 23-0067	EA 36" Caliper, Tree Pruning (Crown Raising), By Hand.....	585.34	
32 01 90 23-0068	EA 36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	1,063.28	
32 01 90 23-0069	EA 48" Caliper, Tree Pruning (Crown Raising), By Hand.....	928.57	
32 01 90 23-0070	EA 48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	1,710.01	

32 01 90 23-0071

Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	37.18
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	42.44
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	47.79
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand.....	53.06
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand.....	80.65
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	135.04
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand.....	141.10
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	257.13
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand.....	225.99
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	411.32
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand.....	261.13
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	475.69
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand.....	303.57
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	552.83
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	369.51
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	668.63
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	459.02
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	842.68
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	628.66
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,142.10
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	997.36
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,836.62

32 01 90 23-0094**Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	42.67
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	48.81
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	54.89
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	60.96
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	92.65
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	155.16
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	162.18
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	295.52
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	259.74
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	472.77
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	300.13
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	546.71
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	348.87
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	635.38
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	424.70
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	768.55
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	527.59
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	968.59
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	722.63
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,312.78
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,146.37
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,111.13

32 01 90 23-0117**Shrub Pruning** (32 01 90 23)

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed.....	83.39
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	2.93
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height.....	6.59
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'.....	11.71
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground.....	29.28
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	73.19

32 01 90 26**Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001**Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water.....	35.60
32 01 90 26-0003	CSF	Watering Groundcover.....	5.52
32 01 90 26-0004	CSF	Watering Annuals And Perennials.....	9.79
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand.....	18.99
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	24.97
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	30.94
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	38.09
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand.....	9.55

32 01 90 36**Weed and Brush Control** (32 01 90)**32 01 90 36-0001****Herbicide, Push Or Hand Spreader Applied** (32 01 90 36)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	6.67	
		<i>For >45 To 90, Deduct</i>	-0.36	
		<i>For >90 To 225, Deduct</i>	-1.03	
		<i>For >225 To 870, Deduct</i>	-1.70	
		<i>For >870, Deduct</i>	-2.06	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	7.13	
		<i>For >45 To 90, Deduct</i>	-0.41	
		<i>For >90 To 225, Deduct</i>	-1.12	
		<i>For >225 To 870, Deduct</i>	-1.83	
		<i>For >870, Deduct</i>	-2.24	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	7.10	
		Note: Includes pre and post emergent.		
		<i>For >45 To 90, Deduct</i>	-0.40	
		<i>For >90 To 225, Deduct</i>	-1.11	
		<i>For >225 To 870, Deduct</i>	-1.82	
		<i>For >870, Deduct</i>	-2.23	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	7.38	
		Note: Includes pre and post emergents.		
		<i>For >45 To 90, Deduct</i>	-0.43	
		<i>For >90 To 225, Deduct</i>	-1.17	
		<i>For >225 To 870, Deduct</i>	-1.91	
		<i>For >870, Deduct</i>	-2.34	

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	9.29	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	9.33	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application.....	10.06	

32 01 90 43 Weed and Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF	Weed Mulched Bed	35.64	
32 01 90 43-0002	MSF	Weed Unmulched Bed.....	101.84	
32 01 90 43-0003	MSF	Cultivate Bed.....	54.84	

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide.....	4.73	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide.....	7.09	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide.....	10.74	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	10.93	

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA	Plant Growth Regulator Application.....	5.24	
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32 10 Bases, Ballasts, and Paving (32)

32 11 Base Courses (32 10)

32 11 16 Subbase Courses (32 11)

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	78.19	
		<i>For Limestone, Deduct</i>	-5.98	

32 11 23 Aggregate Base Courses (32 11)

32 11 23 16 Aggregate Base Courses (32 11 23)

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.50	
		<i>For Up To 1,000, Add</i>	0.14	
		<i>For >1,000 To 2,500, Add</i>	0.05	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	0.72	
		<i>For Up To 1,000, Add</i>	0.20	
		<i>For >1,000 To 2,500, Add</i>	0.07	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	0.92	
		<i>For Up To 1,000, Add</i>	0.26	
		<i>For >1,000 To 2,500, Add</i>	0.09	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.19	
		<i>For Up To 1,000, Add</i>	0.33	
		<i>For >1,000 To 2,500, Add</i>	0.12	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	1.46	
		<i>For Up To 1,000, Add</i>	0.41	
		<i>For >1,000 To 2,500, Add</i>	0.15	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 11 Base Courses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 23	16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	1.69	
			For Up To 1,000, Add	0.47	
			For >1,000 To 2,500, Add	0.17	
32 11 23	16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	1.92	
			For Up To 1,000, Add	0.54	
			For >1,000 To 2,500, Add	0.19	
32 12 Flexible Paving <small>(32 10)</small>					
32 12 13 Preparatory Coats <small>(32 12)</small>					
32 12 13 13 Tack Coats <small>(32 12 13)</small>					
32 12 13	13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.49	
			For Up To 150, Add	0.09	
			For >150 To 300, Add	0.05	
			For >300 To 500, Add	0.02	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	
32 12 13	13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.54	
			For Up To 150, Add	0.11	
			For >150 To 300, Add	0.05	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.01	
			For >5,000, Deduct	-0.03	
32 12 13	13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.64	
			For Up To 150, Add	0.13	
			For >150 To 300, Add	0.06	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13	13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.69	
			For Up To 150, Add	0.14	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13	13-0005	SY	Tack Coat, 0.10 Gallon/SY	0.80	
			For Up To 150, Add	0.17	
			For >150 To 300, Add	0.08	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	
32 12 13	13-0006	SY	Tack Coat, 0.11 Gallon/SY	0.85	
			For Up To 150, Add	0.18	
			For >150 To 300, Add	0.09	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.06	
32 12 13 16 Asphaltic Tack Coats <small>(32 12 13)</small>					
Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.					
32 12 13	16-0001	GAL	Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h	6.06	
32 12 13	16-0002	GAL	Asphalt Emulsion Tack Coat; NYSDOT SS-1h	5.25	
32 12 13	16-0003	GAL	Asphalt Emulsion Tack Coat; NYSDOT CSS-1h	3.97	
32 12 13 19 Prime Coats <small>(32 12 13)</small>					
32 12 13	19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.42	
			For Up To 150, Add	0.32	
			For >150 To 300, Add	0.14	
			For >300 To 500, Add	0.07	
			For >3,500 To 5,000, Deduct	-0.04	
			For >5,000, Deduct	-0.10	
32 12 13	19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.50	
			For Up To 150, Add	0.34	
			For >150 To 300, Add	0.15	
			For >300 To 500, Add	0.08	
			For >3,500 To 5,000, Deduct	-0.04	
			For >5,000, Deduct	-0.10	
32 12 13	19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	1.58	
			For Up To 150, Add	0.36	
			For >150 To 300, Add	0.16	
			For >300 To 500, Add	0.08	
			For >3,500 To 5,000, Deduct	-0.04	
			For >5,000, Deduct	-0.11	
32 12 16 Asphalt Paving <small>(32 12)</small>					
32 12 16 13 Plant-Mix Asphalt Paving <small>(32 12 16)</small>					
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.					
32 12 16 13-0001 Bituminous Concrete Paving <small>(32 12 16 13)</small>					
32 12 16	13-0002	TON	Bituminous Stabilized Course	123.05	
32 12 16	13-0003	TON	Type 1 Base	132.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 16 13-0004	TON	Type 1 Base Recycled.....	132.50		
32 12 16 13-0005	TON	Type 2 Base.....	127.78		
32 12 16 13-0006	TON	Type 3 Binder.....	140.19		
32 12 16 13-0007	TON	Type 3 Binder Recycled.....	140.19		
32 12 16 13-0008	TON	Type 5 Shim.....	166.20		
32 12 16 13-0009	TON	Type 6 Top.....	148.94		
32 12 16 13-0010	TON	Type 6 Top Recycled.....	148.94		
32 12 16 13-0011	TON	Type 6F Top (High Friction) Marshall Design.....	148.94		
32 12 16 13-0012	TON	Type 6F2 High Volume.....	148.94		
32 12 16 13-0013	TON	Type 6F3 High Volume.....	148.94		
32 12 16 13-0014	TON	Type 7 Top.....	154.02		
32 12 16 13-0015	TON	Type 7F Top (High Friction) Marshall Design.....	154.02		
32 12 16 13-0016	TON	Type 7F2 High Volume.....	154.02		
32 12 16 13-0017	TON	Type 7F3 High Volume.....	154.02		
32 12 16 13-0018	TON	Superpave Downstate High Volume 9.5mm F1.....	166.32		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0019	TON	Superpave Upstate High Volume 9.5mm F2.....	166.32		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0020	TON	Superpave Low Volume 9.5mm F3.....	166.32		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0021	TON	Superpave Downstate High Volume 12.5mm F1.....	160.60		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0022	TON	Superpave Upstate High Volume 12.5mm F2, 402-098301M.....	160.60		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0023	TON	Superpave Upstate Low Volume 12.5mm F3, 402-098301M.....	160.60		
		Note: Includes nuclear density monitoring.			
32 12 16 13-0024	TON	Superpave HMA 19.0mm F9, 402.198901M.....	151.82		
		Note: Includes nuclear density monitoring.			

32 12 16 13-0025 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)

32 12 16 13-0026	TON	Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	316.91		
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.			

32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)

		Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.			
32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	11.66		
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	11.34		
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	18.44		

32 12 16 39 Paving Fabrics (32 12 16)

		See CSI section 31 32 19 16-0000 for geotextile fabric.			
32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	1.07		
		For Up To 50, Add	0.25		
		For >50 To 150, Add	0.18		
		For >150 To 250, Add	0.12		
		For >250 To 500, Add	0.06		
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	1.15		
		For Up To 50, Add	0.26		
		For >50 To 150, Add	0.19		
		For >150 To 250, Add	0.13		
		For >250 To 500, Add	0.06		

32 12 36 Seal Coats (32 12)

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)

32 12 36 13-0001 Asphalt Emulsion Seal Coat, PMCRS-2h (Chip Seal) (32 12 36 13)

		Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Includes sweeping and cleaning of area.			
32 12 36 13-0002	SY	Up To 200 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.39		
32 12 36 13-0003	SY	>200 To 500 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	3.14		
32 12 36 13-0004	SY	>500 To 1,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.95		
32 12 36 13-0005	SY	>1,000 To 5,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.74		
32 12 36 13-0006	SY	>5,000 To 10,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.61		
32 12 36 13-0007	SY	>10,000 To 20,000 SY Chip Seal, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.44		
32 12 36 13-0008	SY	>20,00 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.32		

32 12 36 13-0009 Fog Seal, CQS-1h (32 12 36 13)

		Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.			
32 12 36 13-0010	SY	Up To 200 SY, CQS-1h, Fog Seal.....	1.33		
32 12 36 13-0011	SY	>200 To 500 SY, CQS-1h, Fog Seal.....	0.92		
32 12 36 13-0012	SY	>500 To 1,000 SY, CQS-1h, Fog Seal.....	0.75		
32 12 36 13-0013	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal.....	0.62		
32 12 36 13-0014	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.55		
32 12 36 13-0015	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.49		
32 12 36 13-0016	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.44		
32 12 36 13-0017	SY	>50,000 SY, CQS-1h, Fog Seal.....	0.42		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 36 13-0018	Sand Sealer <small>(32 12 36 13)</small>		
	Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0019	SY Up To 200 SY, Sand Seal.....		2.01
32 12 36 13-0020	SY >200 To 500 SY, Sand Seal		1.27
32 12 36 13-0021	SY >500 To 1,000 SY, Sand Seal		1.26
32 12 36 13-0022	SY >1,000 To 5,000 SY, Sand Seal		1.09
32 12 36 13-0023	SY >5,000 To 10,000 SY, Sand Seal		1.00
32 12 36 13-0024	SY >10,000 To 20,000 SY, Sand Seal		0.93
32 12 36 13-0025	SY >20,000 To 50,000 SY, Sand Seal		0.86
32 12 36 13-0026	SY >50,000 SY, Sand Seal.....		0.84

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001	Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small>		
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002	SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill		28.27
	Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
	For Up To 100, Add		9.73
	For >100 To 500, Add		2.48
	For >1,000 To 5,000, Deduct		-1.07
	For >5,000, Deduct		-2.13

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001	Expansion Joint In Sidewalk <small>(32 12 73)</small>		
32 12 73 00-0002	LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk		3.72

32 13 Rigid Paving (32 10)**32 13 13 Concrete Paving** (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)

32 13 13 33-0001	Concrete Paving Assemblies <small>(32 13 13 33)</small>		
	Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002	4,500 PSI Concrete Paving Assembly <small>(32 13 13 33-0001)</small>		
32 13 13 33-0003	SY 4" 4,500 PSI Concrete Paving Assembly	56.26	
	For 2,500 PSI Concrete, Deduct		-3.74
	For 3,000 PSI Concrete, Deduct		-2.44
	For 3,500 PSI Concrete, Deduct		-1.95
	For 4,000 PSI Concrete, Deduct		-0.85
	For 5,000 PSI Concrete, Add		0.52
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		4.23
	For <12' Wide Pass, Add		9.19
	For 24' Or Greater Wide Pass, Deduct		-11.25
	For Slipforming, Deduct		-5.63
	For Up To 100, Add		20.74
	For >100 To 250, Add		12.00
	For >250 To 500, Add		6.00
	For >1,000 To 2,000, Deduct		-1.63
	For >2,000 To 5,000, Deduct		-3.03
	For >5,000 To 10,000, Deduct		-4.44
	For >10,000 To 20,000, Deduct		-5.85
	For >20,000, Deduct		-7.25
32 13 13 33-0004	SY 5" 4,500 PSI Concrete Paving Assembly	67.21	
	For 2,500 PSI Concrete, Deduct		-4.70
	For 3,000 PSI Concrete, Deduct		-3.06
	For 3,500 PSI Concrete, Deduct		-2.45
	For 4,000 PSI Concrete, Deduct		-1.06
	For 5,000 PSI Concrete, Add		0.65
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		5.31
	For <12' Wide Pass, Add		10.68
	For 24' Or Greater Wide Pass, Deduct		-13.44
	For Slipforming, Deduct		-6.72
	For Up To 100, Add		23.99
	For >100 To 250, Add		14.04
	For >250 To 500, Add		7.02
	For >1,000 To 2,000, Deduct		-2.04
	For >2,000 To 5,000, Deduct		-3.72
	For >5,000 To 10,000, Deduct		-5.40
	For >10,000 To 20,000, Deduct		-7.08
	For >20,000, Deduct		-8.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	71.64	
			For 2,500 PSI Concrete, Deduct	-4.95	
			For 3,000 PSI Concrete, Deduct	-3.23	
			For 3,500 PSI Concrete, Deduct	-2.58	
			For 4,000 PSI Concrete, Deduct	-1.12	
			For 5,000 PSI Concrete, Add	0.69	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.60	
			For <12' Wide Pass, Add	11.45	
			For 24' Or Greater Wide Pass, Deduct	-14.33	
			For Slipforming, Deduct	-7.16	
			For Up To 100, Add	25.76	
			For >100 To 250, Add	15.03	
			For >250 To 500, Add	7.52	
			For >1,000 To 2,000, Deduct	-2.15	
			For >2,000 To 5,000, Deduct	-3.94	
			For >5,000 To 10,000, Deduct	-5.74	
			For >10,000 To 20,000, Deduct	-7.53	
			For >20,000, Deduct	-9.32	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	85.96	
			For 2,500 PSI Concrete, Deduct	-6.25	
			For 3,000 PSI Concrete, Deduct	-4.07	
			For 3,500 PSI Concrete, Deduct	-3.26	
			For 4,000 PSI Concrete, Deduct	-1.41	
			For 5,000 PSI Concrete, Add	0.87	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.06	
			For <12' Wide Pass, Add	13.34	
			For 24' Or Greater Wide Pass, Deduct	-17.19	
			For Slipforming, Deduct	-8.60	
			For Up To 100, Add	29.85	
			For >100 To 250, Add	17.64	
			For >250 To 500, Add	8.82	
			For >1,000 To 2,000, Deduct	-2.72	
			For >2,000 To 5,000, Deduct	-4.86	
			For >5,000 To 10,000, Deduct	-7.01	
			For >10,000 To 20,000, Deduct	-9.16	
			For >20,000, Deduct	-11.31	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly.....	97.59	
			For 2,500 PSI Concrete, Deduct	-6.86	
			For 3,000 PSI Concrete, Deduct	-4.47	
			For 3,500 PSI Concrete, Deduct	-3.58	
			For 4,000 PSI Concrete, Deduct	-1.55	
			For 5,000 PSI Concrete, Add	0.95	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.75	
			For <12' Wide Pass, Add	15.46	
			For 24' Or Greater Wide Pass, Deduct	-19.52	
			For Slipforming, Deduct	-9.76	
			For Up To 100, Add	34.71	
			For >100 To 250, Add	20.34	
			For >250 To 500, Add	10.17	
			For >1,000 To 2,000, Deduct	-2.98	
			For >2,000 To 5,000, Deduct	-5.42	
			For >5,000 To 10,000, Deduct	-7.86	
			For >10,000 To 20,000, Deduct	-10.30	
			For >20,000, Deduct	-12.74	
32 13 13 33-0008	SY		9" 4,500 PSI Concrete Paving Assembly.....	110.82	
			For 2,500 PSI Concrete, Deduct	-7.92	
			For 3,000 PSI Concrete, Deduct	-5.17	
			For 3,500 PSI Concrete, Deduct	-4.13	
			For 4,000 PSI Concrete, Deduct	-1.79	
			For 5,000 PSI Concrete, Add	1.10	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.96	
			For <12' Wide Pass, Add	17.37	
			For 24' Or Greater Wide Pass, Deduct	-22.16	
			For Slipforming, Deduct	-11.08	
			For Up To 100, Add	38.94	
			For >100 To 250, Add	22.91	
			For >250 To 500, Add	11.46	
			For >1,000 To 2,000, Deduct	-3.44	
			For >2,000 To 5,000, Deduct	-6.22	
			For >5,000 To 10,000, Deduct	-8.99	
			For >10,000 To 20,000, Deduct	-11.76	
			For >20,000, Deduct	-14.53	
32 13 13 33-0009	SY		10" 4,500 PSI Concrete Paving Assembly.....	123.24	
			For 2,500 PSI Concrete, Deduct	-8.71	
			For 3,000 PSI Concrete, Deduct	-5.68	
			For 3,500 PSI Concrete, Deduct	-4.55	
			For 4,000 PSI Concrete, Deduct	-1.97	
			For 5,000 PSI Concrete, Add	1.21	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.85	
			For <12' Wide Pass, Add	19.44	
			For 24' Or Greater Wide Pass, Deduct	-24.65	
			For Slipforming, Deduct	-12.32	
			For Up To 100, Add	43.64	
			For >100 To 250, Add	25.61	
			For >250 To 500, Add	12.80	
			For >1,000 To 2,000, Deduct	-3.79	
			For >2,000 To 5,000, Deduct	-6.87	
			For >5,000 To 10,000, Deduct	-9.95	
			For >10,000 To 20,000, Deduct	-13.03	
			For >20,000, Deduct	-16.11	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	146.70	
		<i>For 2,500 PSI Concrete, Deduct</i>	-10.32	
		<i>For 3,000 PSI Concrete, Deduct</i>	-6.73	
		<i>For 3,500 PSI Concrete, Deduct</i>	-5.38	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.33	
		<i>For 5,000 PSI Concrete, Add</i>	1.44	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	11.66	
		<i>For <12' Wide Pass, Add</i>	23.22	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-29.34	
		<i>For Slipforming, Deduct</i>	-14.67	
		<i>For Up To 100, Add</i>	52.13	
		<i>For >100 To 250, Add</i>	30.55	
		<i>For >250 To 500, Add</i>	15.28	
		<i>For >1,000 To 2,000, Deduct</i>	-4.49	
		<i>For >2,000 To 5,000, Deduct</i>	-8.15	
		<i>For >5,000 To 10,000, Deduct</i>	-11.82	
		<i>For >10,000 To 20,000, Deduct</i>	-15.49	
		<i>For >20,000, Deduct</i>	-19.16	
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	185.79	
		<i>For 2,500 PSI Concrete, Deduct</i>	-12.67	
		<i>For 3,000 PSI Concrete, Deduct</i>	-8.26	
		<i>For 3,500 PSI Concrete, Deduct</i>	-6.61	
		<i>For 4,000 PSI Concrete, Deduct</i>	-2.86	
		<i>For 5,000 PSI Concrete, Add</i>	1.76	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	14.32	
		<i>For <12' Wide Pass, Add</i>	29.92	
		<i>For 24' Or Greater Wide Pass, Deduct</i>	-37.16	
		<i>For Slipforming, Deduct</i>	-18.58	
		<i>For Up To 100, Add</i>	67.40	
		<i>For >100 To 250, Add</i>	39.21	
		<i>For >250 To 500, Add</i>	19.60	
		<i>For >1,000 To 2,000, Deduct</i>	-5.51	
		<i>For >2,000 To 5,000, Deduct</i>	-10.15	
		<i>For >5,000 To 10,000, Deduct</i>	-14.80	
		<i>For >10,000 To 20,000, Deduct</i>	-19.44	
		<i>For >20,000, Deduct</i>	-24.09	

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk.....	3.87	
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32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving.....	13.53	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-1.46	
		<i>For >30,000 To 100,000, Deduct</i>	-2.70	
		<i>For >100,000, Deduct</i>	-3.35	
32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving.....	17.08	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		<i>For >5,000 To 30,000, Deduct</i>	-1.80	
		<i>For >30,000 To 100,000, Deduct</i>	-3.25	
		<i>For >100,000, Deduct</i>	-4.04	

32 13 73 Concrete Paving Joint Sealants (32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	7.34	
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32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	10.95	
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32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)**

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.52	2.01
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.89	2.06
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.33	2.09
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.69	2.14
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.34	2.19
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.71	2.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73 19-0008	LF		2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	18.59	2.28
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32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF		Up To 2" Height, Vinyl Paver Restraint.....	3.71	0.91
			<i>For >1,000 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000 To 4,000, Deduct</i>	-0.73	
			<i>For >4,000, Deduct</i>	-0.93	
32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint.....	4.02	0.91
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.26	
			<i>For >2,000, Deduct</i>	-0.39	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint.....	3.87	0.91
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000 To 1,500, Deduct</i>	-0.61	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint.....	4.55	0.91
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500 To 1,000, Deduct</i>	-0.47	
			<i>For >1,000 To 1,500, Deduct</i>	-0.78	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint.....	5.85	0.91
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000 To 1,500, Deduct</i>	-1.10	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint.....	6.86	0.91
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.81	
			<i>For >1,000 To 1,500, Deduct</i>	-1.36	

32 14 11 Bedding for Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded.....	0.96	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 500, Add</i>	0.12	
			<i>For >1,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.11	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded.....	1.19	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 500, Add</i>	0.13	
			<i>For >1,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.12	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded.....	1.56	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 500, Add</i>	0.16	
			<i>For >1,000 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000, Deduct</i>	-0.14	
32 14 11 00-0005	SF		4" Stone Dust Bedding, Screeded.....	2.00	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.20	
			<i>For >1,000 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000, Deduct</i>	-0.18	
32 14 11 00-0006	SF		1" Mortar Bedding.....	2.90	
			<i>For Up To 100, Add</i>	1.28	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >1,000 To 5,000, Deduct</i>	-0.22	
			<i>For >5,000, Deduct</i>	-0.35	
32 14 11 00-0007	SF		2" Mortar Bedding.....	4.32	
			<i>For Up To 100, Add</i>	1.82	
			<i>For >100 To 500, Add</i>	0.51	
			<i>For >1,000 To 5,000, Deduct</i>	-0.30	
			<i>For >5,000, Deduct</i>	-0.48	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar.....	1.49	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 500, Add</i>	0.19	
			<i>For >1,000 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000, Deduct</i>	-0.19	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	11.06	2.76
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.11	
		For 3-1/8" Concrete Paver, Add	1.80	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
		For Up To 100, Add	4.15	
		For >100 To 500, Add	1.11	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-1.00	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	10.56	2.52
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.08	
		For 3-1/8" Concrete Paver, Add	1.76	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.78	
		For Up To 100, Add	3.90	
		For >100 To 500, Add	1.03	
		For >1,000 To 5,000, Deduct	-0.50	
		For >5,000, Deduct	-0.92	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	10.10	2.00
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.06	
		For 3-1/8" Concrete Paver, Add	1.72	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.73	
		For Up To 100, Add	3.67	
		For >100 To 500, Add	0.96	
		For >1,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-0.85	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver.....	9.68	2.08
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.04	
		For 3-1/8" Concrete Paver, Add	1.69	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.69	
		For Up To 100, Add	3.46	
		For >100 To 500, Add	0.90	
		For >1,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-0.79	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	10.32	2.39
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	1.07	
		For 3-1/8" Concrete Paver, Add	1.74	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.76	
		For Up To 100, Add	3.78	
		For >100 To 500, Add	1.00	
		For >1,000 To 5,000, Deduct	-0.48	
		For >5,000, Deduct	-0.89	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001		Turf Block (32 14 13 19)		
		Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	9.40	2.39
		For Up To 100, Add	3.55	
		For >100 To 500, Add	0.95	
		For >1,000 To 5,000, Deduct	-0.48	
		For >5,000, Deduct	-0.86	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001		Brick Paver Sidewalk (32 14 16)		
		Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	11.58	2.76
		For 1-3/8" Thick Paver, Deduct	-2.39	
		For 2-3/4" Thick Paver (Vehicular), Add	5.43	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.86	
		For Up To 100, Add	4.28	
		For >100 To 500, Add	1.13	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-1.01	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge.....	17.04	3.16
		For 1-3/8" Thick Paver, Deduct	-4.07	
		For 2-3/4" Thick Paver (Vehicular), Add	9.48	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.17	
		For Up To 100, Add	5.84	
		For >100 To 500, Add	1.48	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.27	

32 14 33 Plastic Paving (32 14)**32 14 33 13 Permeable Plastic Paving (32 14 33)**

32 14 33 13-0001		Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	13.92	2.39
		For Up To 100, Add	4.68	
		For >100 To 500, Add	1.18	
		For >1,000 To 5,000, Deduct	-0.48	
		For >5,000, Deduct	-0.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 40 Stone Paving (32 14)

32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver.....	15.37	2.29
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
		For 1/4" Thick Paver, Deduct	-8.05	
		For 1/2" Thick Paver, Deduct	-5.65	
		For Up To 100, Add	4.99	
		For >100 To 500, Add	1.23	
		For >1,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-1.01	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver.....	14.95	2.08
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.96	
		For 1/4" Thick Paver, Deduct	-7.95	
		For 1/2" Thick Paver, Deduct	-5.59	
		For Up To 100, Add	4.78	
		For >100 To 500, Add	1.16	
		For >1,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-0.95	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver.....	14.23	1.72
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
		For 1/4" Thick Paver, Deduct	-7.77	
		For 1/2" Thick Paver, Deduct	-5.48	
		For Up To 100, Add	4.42	
		For >100 To 500, Add	1.06	
		For >1,000 To 5,000, Deduct	-0.34	
		For >5,000, Deduct	-0.84	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver.....	13.92	1.56
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
		For 1/4" Thick Paver, Deduct	-7.69	
		For 1/2" Thick Paver, Deduct	-5.43	
		For Up To 100, Add	4.26	
		For >100 To 500, Add	1.01	
		For >1,000 To 5,000, Deduct	-0.31	
		For >5,000, Deduct	-0.79	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns.....	14.56	1.88
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.92	
		For 1/4" Thick Paver, Deduct	-7.85	
		For 1/2" Thick Paver, Deduct	-5.53	
		For Up To 100, Add	4.58	
		For >100 To 500, Add	1.11	
		For >1,000 To 5,000, Deduct	-0.38	
		For >5,000, Deduct	-0.89	

32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver.....	22.33	2.29
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.35	
		For 2" Granite Paver, Add	1.12	
		For 3" Granite Paver, Add	2.23	
		For 4" Granite Paver, Add	2.46	
		For Up To 100, Add	6.73	
		For >100 To 500, Add	1.57	
		For >1,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-1.22	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver.....	21.91	2.08
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.30	
		For 2" Granite Paver, Add	1.10	
		For 3" Granite Paver, Add	2.19	
		For 4" Granite Paver, Add	2.40	
		For Up To 100, Add	6.52	
		For >100 To 500, Add	1.51	
		For >1,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-1.16	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver.....	21.19	1.72
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.23	
		For 2" Granite Paver, Add	1.06	
		For 3" Granite Paver, Add	2.12	
		For 4" Granite Paver, Add	2.29	
		For Up To 100, Add	6.16	
		For >100 To 500, Add	1.40	
		For >1,000 To 5,000, Deduct	-0.34	
		For >5,000, Deduct	-1.05	

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 14 Unit Paving

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver.....	20.88	1.56
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.20	
			For 2" Granite Paver, Add	1.04	
			For 3" Granite Paver, Add	2.09	
			For 4" Granite Paver, Add	2.24	
			For Up To 100, Add	6.00	
			For >100 To 500, Add	1.36	
			For >1,000 To 5,000, Deduct	-0.31	
			For >5,000, Deduct	-1.00	
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns	21.52	1.88
			Note: Patterns made by combining pavers from two or more size groups.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.26	
			For 2" Granite Paver, Add	1.08	
			For 3" Granite Paver, Add	2.15	
			For 4" Granite Paver, Add	2.34	
			For Up To 100, Add	6.32	
			For >100 To 500, Add	1.45	
			For >1,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-1.10	
32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)					
32 16 13 Curbs and Gutters (32 16)					
			Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.		
32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)					
			Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001 Cast In Place Concrete Curb And Gutter (32 16 13 13)					
			Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0002	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	22.96	9.79
			For Up To 20, Add	15.49	
			For >20 To 50, Add	8.60	
			For >50 To 100, Add	3.44	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-4.87	
			For Mountable Or Rolled Curb And Gutter, Add	1.39	
32 16 13 13-0003	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	25.01	13.05
			For Up To 20, Add	16.88	
			For >20 To 50, Add	9.38	
			For >50 To 100, Add	3.75	
			For >500 To 1,000, Deduct	-3.13	
			For >1,000, Deduct	-5.32	
			For Mountable Or Rolled Curb And Gutter, Add	1.53	
32 16 13 13-0004	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	29.24	10.85
			For Up To 20, Add	19.71	
			For >20 To 50, Add	10.93	
			For >50 To 100, Add	4.39	
			For >500 To 1,000, Deduct	-3.62	
			For >1,000, Deduct	-6.17	
			For Mountable Or Rolled Curb And Gutter, Add	1.74	
32 16 13 13-0005	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	32.27	12.08
			For Up To 20, Add	21.77	
			For >20 To 50, Add	12.09	
			For >50 To 100, Add	4.84	
			For >500 To 1,000, Deduct	-4.02	
			For >1,000, Deduct	-6.84	
			For Mountable Or Rolled Curb And Gutter, Add	1.96	
32 16 13 13-0006	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	35.52	13.05
			For Up To 20, Add	23.92	
			For >20 To 50, Add	13.27	
			For >50 To 100, Add	5.33	
			For >500 To 1,000, Deduct	-4.39	
			For >1,000, Deduct	-7.47	
			For Mountable Or Rolled Curb And Gutter, Add	2.09	
32 16 13 13-0007	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	39.50	14.69
			For Up To 20, Add	26.64	
			For >20 To 50, Add	14.79	
			For >50 To 100, Add	5.93	
			For >500 To 1,000, Deduct	-4.91	
			For >1,000, Deduct	-8.35	
			For Mountable Or Rolled Curb And Gutter, Add	2.38	
32 16 13 13-0008	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	42.22	15.50
			For Up To 20, Add	28.43	
			For >20 To 50, Add	15.77	
			For >50 To 100, Add	6.33	
			For >500 To 1,000, Deduct	-5.21	
			For >1,000, Deduct	-8.87	
			For Mountable Or Rolled Curb And Gutter, Add	2.48	
32 16 13 13-0009	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.34	17.13
			For Up To 20, Add	31.23	
			For >20 To 50, Add	17.33	
			For >50 To 100, Add	6.95	
			For >500 To 1,000, Deduct	-5.74	
			For >1,000, Deduct	-9.77	
			For Mountable Or Rolled Curb And Gutter, Add	2.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0010	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	48.91	17.95
			<i>For Up To 20, Add</i>	32.94	
			<i>For >20 To 50, Add</i>	18.26	
			<i>For >50 To 100, Add</i>	7.34	
			<i>For >500 To 1,000, Deduct</i>	-6.03	
			<i>For >1,000, Deduct</i>	-10.27	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.87	
32 16 13 13-0011	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	53.18	19.58
			<i>For Up To 20, Add</i>	35.82	
			<i>For >20 To 50, Add</i>	19.87	
			<i>For >50 To 100, Add</i>	7.98	
			<i>For >500 To 1,000, Deduct</i>	-6.58	
			<i>For >1,000, Deduct</i>	-11.19	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.14	
32 16 13 13-0012	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	55.61	20.39
			<i>For Up To 20, Add</i>	37.45	
			<i>For >20 To 50, Add</i>	20.76	
			<i>For >50 To 100, Add</i>	8.34	
			<i>For >500 To 1,000, Deduct</i>	-6.86	
			<i>For >1,000, Deduct</i>	-11.68	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.26	
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	61.66	22.84
			<i>For Up To 20, Add</i>	41.57	
			<i>For >20 To 50, Add</i>	23.07	
			<i>For >50 To 100, Add</i>	9.25	
			<i>For >500 To 1,000, Deduct</i>	-7.65	
			<i>For >1,000, Deduct</i>	-13.02	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.69	
32 16 13 13-0014	LF		Type M100G Concrete Curb And Gutter With Anchors.....	40.21	15.50
			<i>For Up To 50, Add</i>	8.21	
			<i>For Up To 20, Add</i>	27.23	
			<i>For >20 To 50, Add</i>	15.16	
			<i>For >50 To 100, Add</i>	6.03	
			<i>For >500 To 1,000, Deduct</i>	-5.11	
			<i>For >1,000, Deduct</i>	-8.67	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.59	
32 16 13 13-0015	LF		Type VF150G Concrete Curb And Gutter With Anchors.....	40.30	15.50
			<i>For Up To 50, Add</i>	8.22	
			<i>For Up To 20, Add</i>	27.28	
			<i>For >20 To 50, Add</i>	15.19	
			<i>For >50 To 100, Add</i>	6.05	
			<i>For >500 To 1,000, Deduct</i>	-5.12	
			<i>For >1,000, Deduct</i>	-8.68	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.59	
32 16 13 13-0016			Curb Anchors <small>(32 16 13 13)</small>		
32 16 13 13-0017	EA		Curb Anchor For New Construction Placed During New Construction.....	14.94	
32 16 13 13-0018	EA		Curb Anchor For Existing Pavement Placed In Existing Concrete.....	66.29	
			Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.		
32 16 13 13-0019			Cast In Place Concrete Curbs <small>(32 16 13 13)</small>		
			Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0020	LF		6" x 12" Cast In Place Concrete Curb.....	15.93	7.68
			<i>For Mountable Curb, Add</i>	1.03	
			<i>For Up To 20, Add</i>	9.33	
			<i>For >20 To 50, Add</i>	5.28	
			<i>For >50 To 100, Add</i>	2.03	
			<i>For >500 To 1,000, Deduct</i>	-2.03	
			<i>For >1,000, Deduct</i>	-3.44	
32 16 13 13-0021	LF		6" x 12" Cast In Place Concrete Curb - Radius.....	18.21	8.84
			<i>For Mountable Curb, Add</i>	1.20	
			<i>For Up To 20, Add</i>	10.75	
			<i>For >20 To 50, Add</i>	6.08	
			<i>For >50 To 100, Add</i>	2.33	
			<i>For >500 To 1,000, Deduct</i>	-2.33	
			<i>For >1,000, Deduct</i>	-3.95	
32 16 13 13-0022	LF		6" x 14" Cast In Place Concrete Curb.....	17.55	7.68
			<i>For Mountable Curb, Add</i>	1.12	
			<i>For Up To 20, Add</i>	10.23	
			<i>For >20 To 50, Add</i>	5.79	
			<i>For >50 To 100, Add</i>	2.22	
			<i>For >500 To 1,000, Deduct</i>	-2.22	
			<i>For >1,000, Deduct</i>	-3.77	
32 16 13 13-0023	LF		6" x 14" Cast In Place Concrete Curb - Radius.....	20.07	8.84
			<i>For Mountable Curb, Add</i>	1.31	
			<i>For Up To 20, Add</i>	11.79	
			<i>For >20 To 50, Add</i>	6.67	
			<i>For >50 To 100, Add</i>	2.56	
			<i>For >500 To 1,000, Deduct</i>	-2.56	
			<i>For >1,000, Deduct</i>	-4.34	
32 16 13 13-0024	LF		6" x 16" Cast In Place Concrete Curb.....	19.39	7.68
			<i>For Mountable Curb, Add</i>	1.20	
			<i>For Up To 20, Add</i>	11.17	
			<i>For >20 To 50, Add</i>	6.32	
			<i>For >50 To 100, Add</i>	2.43	
			<i>For >500 To 1,000, Deduct</i>	-2.43	
			<i>For >1,000, Deduct</i>	-4.13	

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 16 Curbs, Gutters, Sidewalks, and Driveways

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13	13-0025	LF	6" x 16" Cast In Place Concrete Curb - Radius.....	22.10	11.52
			<i>For Mountable Curb, Add</i>	1.40	
			<i>For Up To 20, Add</i>	12.87	
			<i>For >20 To 50, Add</i>	7.28	
			<i>For >50 To 100, Add</i>	2.80	
			<i>For >500 To 1,000, Deduct</i>	-2.80	
			<i>For >1,000, Deduct</i>	-4.75	
32 16 13	13-0026	LF	6" x 18" Cast In Place Concrete Curb	20.87	7.68
			<i>For Mountable Curb, Add</i>	1.26	
			<i>For Up To 20, Add</i>	11.93	
			<i>For >20 To 50, Add</i>	6.74	
			<i>For >50 To 100, Add</i>	2.60	
			<i>For >500 To 1,000, Deduct</i>	-2.60	
			<i>For >1,000, Deduct</i>	-4.42	
32 16 13	13-0027	LF	6" x 18" Cast In Place Concrete Curb - Radius.....	23.55	8.84
			<i>For Mountable Curb, Add</i>	1.44	
			<i>For Up To 20, Add</i>	13.55	
			<i>For >20 To 50, Add</i>	7.66	
			<i>For >50 To 100, Add</i>	2.94	
			<i>For >500 To 1,000, Deduct</i>	-2.94	
			<i>For >1,000, Deduct</i>	-5.01	
32 16 13	13-0028	LF	6" x 24" Cast In Place Concrete Curb	24.27	8.45
			<i>For Mountable Curb, Add</i>	1.31	
			<i>For Up To 20, Add</i>	13.39	
			<i>For >20 To 50, Add</i>	7.55	
			<i>For >50 To 100, Add</i>	2.92	
			<i>For >500 To 1,000, Deduct</i>	-2.92	
			<i>For >1,000, Deduct</i>	-4.99	
32 16 13	13-0029	LF	6" x 24" Cast In Place Concrete Curb - Radius.....	27.12	9.60
			<i>For Mountable Curb, Add</i>	1.48	
			<i>For Up To 20, Add</i>	15.02	
			<i>For >20 To 50, Add</i>	8.47	
			<i>For >50 To 100, Add</i>	3.28	
			<i>For >500 To 1,000, Deduct</i>	-3.28	
			<i>For >1,000, Deduct</i>	-5.59	
32 16 13	13-0030	LF	12" x 24" Cast In Place Concrete Curb	32.95	9.60
			<i>For Mountable Curb, Add</i>	1.17	
			<i>For Up To 20, Add</i>	16.20	
			<i>For >20 To 50, Add</i>	9.06	
			<i>For >50 To 100, Add</i>	3.57	
			<i>For >500 To 1,000, Deduct</i>	-3.57	
			<i>For >1,000, Deduct</i>	-6.18	
32 16 13	13-0031	LF	12" x 24" Cast In Place Concrete Curb - Radius.....	36.63	10.75
			<i>For Mountable Curb, Add</i>	1.32	
			<i>For Up To 20, Add</i>	18.08	
			<i>For >20 To 50, Add</i>	10.12	
			<i>For >50 To 100, Add</i>	3.98	
			<i>For >500 To 1,000, Deduct</i>	-3.98	
			<i>For >1,000, Deduct</i>	-6.89	
32 16 13	13-0032	EA	Additional Finish For Handicap Drop Section In Curb.....	57.60	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,270.02	
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	13.05	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	17.21	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	17.32	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	22.03	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.61	4.54
		<i>For Curved Section, Add</i>	3.06	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.00	5.17
		<i>For Curved Section, Add</i>	3.44	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.07	5.78
		<i>For Curved Section, Add</i>	4.19	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	24.52	6.50
		<i>For Curved Section, Add</i>	4.87	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	29.90	7.13
		<i>For Curved Section, Add</i>	5.65	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	39.07	9.09
		<i>For Curved Section, Add</i>	7.30	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	45.22	11.77
		<i>For Curved Section, Add</i>	8.92	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	139.68	

32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)

32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 23-0002	LF		6" x 18" Precast Concrete Curb.....	40.71	8.25
32 16 13 23-0003	LF		6" x 18" Precast Concrete Curb, Radius.....	49.00	9.48
32 16 13 23-0004	LF		6" x 20" Precast Concrete Curb.....	43.48	8.25
32 16 13 23-0005	LF		6" x 20" Precast Concrete Curb, Radius.....	52.66	9.48
32 16 13 23-0006	LF		7" x 18" Precast Concrete Curb.....	44.74	8.25
32 16 13 23-0007	LF		7" x 18" Precast Concrete Curb, Radius.....	54.12	9.48
32 16 13 23-0008	LF		7" x 20" Precast Concrete Curb.....	47.88	8.25
32 16 13 23-0009	LF		7" x 20" Precast Concrete Curb, Radius.....	58.10	9.48

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001 Asphalt Curbs (32 16 13 33)

32 16 13 33-0002	LF		6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	11.39	4.64
32 16 13 33-0003	LF		8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	12.82	5.17
32 16 13 33-0004	LF		8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	14.14	5.68

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001 Granite Curbs (32 16 13 43)

32 16 13 43-0002 Split Face Granite Curbs (32 16 13 43-0001)

32 16 13 43-0003	LF		4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section.....	25.87	7.79
			For Up To 20, Add	10.38	
			For >20 To 50, Add	5.71	
			For >50 To 100, Add	2.33	
			For >500 To 1,000, Deduct	-2.33	
			For >1,000, Deduct	-4.15	
32 16 13 43-0004	LF		6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section.....	30.69	8.52
			For Up To 20, Add	11.80	
			For >20 To 50, Add	6.47	
			For >50 To 100, Add	2.67	
			For >500 To 1,000, Deduct	-2.67	
			For >1,000, Deduct	-4.77	
32 16 13 43-0005	LF		4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section.....	33.90	9.14
			For Up To 20, Add	12.87	
			For >20 To 50, Add	7.04	
			For >50 To 100, Add	2.91	
			For >500 To 1,000, Deduct	-2.91	
			For >1,000, Deduct	-5.22	
32 16 13 43-0006	LF		6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section.....	40.27	9.87
			For Up To 20, Add	14.59	
			For >20 To 50, Add	7.95	
			For >50 To 100, Add	3.32	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-5.99	
32 16 13 43-0007	LF		4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section.....	32.06	8.52
			For Up To 20, Add	12.05	
			For >20 To 50, Add	6.59	
			For >50 To 100, Add	2.73	
			For >500 To 1,000, Deduct	-2.73	
			For >1,000, Deduct	-4.90	
32 16 13 43-0008	LF		6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section.....	36.86	9.14
			For Up To 20, Add	13.46	
			For >20 To 50, Add	7.34	
			For >50 To 100, Add	3.06	
			For >500 To 1,000, Deduct	-3.06	
			For >1,000, Deduct	-5.51	
32 16 13 43-0009	LF		4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section.....	40.13	9.87
			For Up To 20, Add	14.56	
			For >20 To 50, Add	7.93	
			For >50 To 100, Add	3.31	
			For >500 To 1,000, Deduct	-3.31	
			For >1,000, Deduct	-5.97	
32 16 13 43-0010	LF		6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section.....	46.49	10.50
			For Up To 20, Add	16.28	
			For >20 To 50, Add	8.84	
			For >50 To 100, Add	3.72	
			For >500 To 1,000, Deduct	-3.72	
			For >1,000, Deduct	-6.74	

32 16 13 43-0011 Sawn Face Granite Curbs (32 16 13 43-0001)

32 16 13 43-0012	LF		4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	25.87	7.79
			For Up To 20, Add	10.38	
			For >20 To 50, Add	5.71	
			For >50 To 100, Add	2.33	
			For >500 To 1,000, Deduct	-2.33	
			For >1,000, Deduct	-4.15	
32 16 13 43-0013	LF		6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	30.69	8.52
			For Up To 20, Add	11.80	
			For >20 To 50, Add	6.47	
			For >50 To 100, Add	2.67	
			For >500 To 1,000, Deduct	-2.67	
			For >1,000, Deduct	-4.77	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0014	LF		4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	33.95	9.14
			For Up To 20, Add	12.90	
			For >20 To 50, Add	7.06	
			For >50 To 100, Add	2.92	
			For >500 To 1,000, Deduct	-2.92	
			For >1,000, Deduct	-5.23	
32 16 13 43-0015	LF		6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	40.33	9.87
			For Up To 20, Add	14.63	
			For >20 To 50, Add	7.97	
			For >50 To 100, Add	3.33	
			For >500 To 1,000, Deduct	-3.33	
			For >1,000, Deduct	-6.00	
32 16 13 43-0016	LF		4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	36.42	8.52
			For Up To 20, Add	12.94	
			For >20 To 50, Add	7.04	
			For >50 To 100, Add	2.95	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-5.34	
32 16 13 43-0017	LF		6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	43.64	9.14
			For Up To 20, Add	14.84	
			For >20 To 50, Add	8.03	
			For >50 To 100, Add	3.40	
			For >500 To 1,000, Deduct	-3.40	
			For >1,000, Deduct	-6.20	
32 16 13 43-0018	LF		4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	48.39	9.87
			For Up To 20, Add	16.24	
			For >20 To 50, Add	8.78	
			For >50 To 100, Add	3.73	
			For >500 To 1,000, Deduct	-3.73	
			For >1,000, Deduct	-6.81	
32 16 13 43-0019	LF		6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	58.17	10.50
			For Up To 20, Add	18.65	
			For >20 To 50, Add	10.03	
			For >50 To 100, Add	4.31	
			For >500 To 1,000, Deduct	-4.31	
			For >1,000, Deduct	-7.92	
32 16 13 43-0020			Granite Base And Curbs (32 16 13 43-0001)	29.16	10.18
32 16 13 43-0021	LF		4" High Granite Base	29.16	10.18
			For Up To 20, Add	12.59	
			For >20 To 50, Add	6.97	
			For >50 To 100, Add	2.81	
			For >500 To 1,000, Deduct	-2.81	
			For >1,000, Deduct	-4.94	
32 16 13 43-0022	LF		6" High Granite Base	34.10	13.32
			For Up To 20, Add	15.70	
			For >20 To 50, Add	8.74	
			For >50 To 100, Add	3.48	
			For >500 To 1,000, Deduct	-3.48	
			For >1,000, Deduct	-6.07	
32 16 13 43-0023			Remove And Reset Stone And Precast Curbing (32 16 13 43)		
			Note: Includes storage and cleaning.		
32 16 13 43-0024	LF		Removal And Resetting Of Stone Or Precast Curbing.....	29.88	
			Note: Includes storage and cleaning.		
32 16 23			Sidewalks (32 16)		
32 16 23 00-0001			Cast In Place Concrete Sidewalk (32 16 23)		
			Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0071 for buggies, 03 31 13 00-0080 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF		4" Cast In Place Concrete Sidewalk	8.22	
			For Up To 100, Add	3.41	
			For >100 To 500, Add	0.95	
			For >1,000 To 5,000, Deduct	-0.54	
			For >5,000, Deduct	-1.23	
			For Welded Wire Reinforcement, Add	0.66	
			For 4000 PSI Concrete, Add	0.22	
32 16 23 00-0003	SF		5" Cast In Place Concrete Sidewalk	9.02	
			For Up To 100, Add	3.66	
			For >100 To 500, Add	1.01	
			For >1,000 To 5,000, Deduct	-0.56	
			For >5,000, Deduct	-1.30	
			For Welded Wire Reinforcement, Add	0.66	
			For 4000 PSI Concrete, Add	0.27	
32 16 23 00-0004	SF		6" Cast In Place Concrete Sidewalk	9.84	
			For Up To 100, Add	3.92	
			For >100 To 500, Add	1.08	
			For >1,000 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-1.37	
			For Welded Wire Reinforcement, Add	0.66	
			For 4000 PSI Concrete, Add	0.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 23 00-0005	SF 7" Cast In Place Concrete Sidewalk	11.51	
	For Up To 100, Add	4.53	
	For >100 To 500, Add	1.24	
	For >1,000 To 5,000, Deduct	-0.66	
	For >5,000, Deduct	-1.57	
	For Welded Wire Reinforcement, Add	0.66	
	For 4000 PSI Concrete, Add	0.39	
32 16 23 00-0006	SF 8" Cast In Place Concrete Sidewalk	12.23	
	For Up To 100, Add	4.74	
	For >100 To 500, Add	1.28	
	For >1,000 To 5,000, Deduct	-0.67	
	For >5,000, Deduct	-1.62	
	For Welded Wire Reinforcement, Add	0.66	
	For 4000 PSI Concrete, Add	0.44	
32 16 23 00-0007	SF For Exposed Aggregate Finish In Sidewalk.....	1.94	
32 16 23 00-0008	EA Finish Concrete Handicap Drop Section In Sidewalk.....	116.17	
	Note: Excludes patterned (tactile) finish.		

32 16 23 00-0009 Bituminous Sidewalk (32 16 23)
 Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction.
 Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY 1" Bituminous Sidewalk	8.03	
	For Up To 100, Add	2.95	
	For >100 To 500, Add	0.78	
	For >1,000 To 5,000, Deduct	-0.38	
	For >5,000, Deduct	-0.78	
32 16 23 00-0011	SY 1-1/2" Bituminous Sidewalk	10.11	
	For Up To 100, Add	3.66	
	For >100 To 500, Add	0.96	
	For >1,000 To 5,000, Deduct	-0.45	
	For >5,000, Deduct	-0.96	
32 16 23 00-0012	SY 2" Bituminous Sidewalk	14.12	
	For Up To 100, Add	4.94	
	For >100 To 500, Add	1.27	
	For >1,000 To 5,000, Deduct	-0.56	
	For >5,000, Deduct	-1.27	
32 16 23 00-0013	SY 2-1/2" Bituminous Sidewalk	17.66	
	For Up To 100, Add	6.16	
	For >100 To 500, Add	1.58	
	For >1,000 To 5,000, Deduct	-0.70	
	For >5,000, Deduct	-1.58	
32 16 23 00-0014	SY 3" Bituminous Sidewalk	20.38	
	For Up To 100, Add	6.98	
	For >100 To 500, Add	1.77	
	For >1,000 To 5,000, Deduct	-0.76	
	For >5,000, Deduct	-1.77	
32 16 23 00-0015	SY 3-1/2" Bituminous Sidewalk	23.60	
	For Up To 100, Add	7.98	
	For >100 To 500, Add	2.01	
	For >1,000 To 5,000, Deduct	-0.83	
	For >5,000, Deduct	-2.01	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA 4" x 6" x 4' Recycled Plastic Wheel Stop	89.09	5.93
32 17 13 16-0002	EA 4" x 6" x 6' Recycled Plastic Wheel Stop	100.24	5.93

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	38.17	17.86
32 17 13 19-0002	EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	43.96	17.86
32 17 13 19-0003	EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	44.74	17.86
32 17 13 19-0004	EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	46.34	17.86
32 17 13 19-0005	EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	43.96	17.86
32 17 13 19-0006	EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	52.77	17.86
32 17 13 19-0007	EA Removal And Relocation Of Precast Concrete Wheel Stop.....	28.58	
32 17 13 19-0008	EA Removal And Relocation Of Plastic Or Wood Wheel Stop	18.58	

32 17 13 23 Rubber Parking Bumpers (32 17 13)

32 17 13 23-0001	EA 3' Recycled Rubber Wheel Stop	25.78	5.93
32 17 13 23-0002	EA 4' Recycled Rubber Wheel Stop	30.09	5.93
32 17 13 23-0003	EA 5' Recycled Rubber Wheel Stop	31.82	5.93
32 17 13 23-0004	EA 6' Recycled Rubber Wheel Stop	34.41	5.93

32 17 16 Manufactured Traffic-Calming Devices (32 17)

32 17 16 00-0001 Speed Bumps (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002	LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	31.88	1.50
32 17 16 00-0003	LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	25.26	1.00
32 17 16 00-0004	LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	56.94	1.00

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 17 23 Pavement Markings (32 17)**

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings (32 17 23)

32 17 23 13-0001	Painted Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23) ¹³⁾ Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.	
32 17 23 13-0002	Painted Reflective Pavement Marking (32 17 23 13-0001) Note: 15 mil thickness.	
32 17 23 13-0003	LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.23
	For Up To 5,000 LF, Add	0.05
	For >25,000 LF, Deduct	-0.03
	For Broken Line, Deduct	-0.05
32 17 23 13-0004	LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.32
	For Up To 5,000 LF, Add	0.06
	For >25,000 LF, Deduct	-0.05
	For Broken Line, Deduct	-0.08
32 17 23 13-0005	LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.39
	For Up To 5,000 LF, Add	0.08
	For >25,000 LF, Deduct	-0.06
	For Broken Line, Deduct	-0.09
32 17 23 13-0006	LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.54
	For Up To 5,000 LF, Add	0.11
	For >25,000 LF, Deduct	-0.08
	For Broken Line, Deduct	-0.14
32 17 23 13-0007	LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.36
	For Up To 5,000 LF, Add	0.07
	For >25,000 LF, Deduct	-0.05
	For Broken Line On One Side, Deduct	-0.05
	For Double Broken Line, Deduct	-0.09
32 17 23 13-0008	LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.54
	For Up To 5,000 LF, Add	0.11
	For >25,000 LF, Deduct	-0.08
	For Broken Line On One Side, Deduct	-0.07
	For Double Broken Line, Deduct	-0.14
32 17 23 13-0009	SF Solid Area, Painted Reflective Pavement Striping.....	4.19
	Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	
32 17 23 13-0010	EA 6" High, Letter/Number, Painted Reflective Pavement Marking.....	3.04
	For <10, Add	0.41
	For >50 To 100, Deduct	-0.21
	For >100 To 200, Deduct	-0.27
	For >200, Deduct	-0.55
32 17 23 13-0011	EA 12" High, Letter/Number, Painted Reflective Pavement Marking.....	5.25
	For <10, Add	0.62
	For >50 To 100, Deduct	-0.31
	For >100 To 200, Deduct	-0.42
	For >200, Deduct	-0.83
32 17 23 13-0012	EA 24" High, Letter/Number, Painted Reflective Pavement Marking.....	8.82
	For <10, Add	1.04
	For >50 To 100, Deduct	-0.52
	For >100 To 200, Deduct	-0.69
	For >200, Deduct	-1.38
32 17 23 13-0013	EA 36" High, Letter/Number, Painted Reflective Pavement Marking.....	17.16
	For <10, Add	2.07
	For >50 To 100, Deduct	-1.03
	For >100 To 200, Deduct	-1.38
	For >200, Deduct	-2.76
32 17 23 13-0014	EA 48" High, Letter/Number, Painted Reflective Pavement Marking.....	19.85
	For <10, Add	2.32
	For >50 To 100, Deduct	-1.16
	For >100 To 200, Deduct	-1.55
	For >200, Deduct	-3.09
32 17 23 13-0015	EA 72" High, Letter/Number, Painted Reflective Pavement Marking.....	35.53
	For <10, Add	4.13
	For >50 To 100, Deduct	-2.06
	For >100 To 200, Deduct	-2.75
	For >200, Deduct	-5.50
32 17 23 13-0016	EA 96" High, Letter/Number, Painted Reflective Pavement Marking.....	47.49
	For <10, Add	5.54
	For >50 To 100, Deduct	-2.77
	For >100 To 200, Deduct	-3.70
	For >200, Deduct	-7.39
32 17 23 13-0017	EA 120" High, Letter/Number, Painted Reflective Pavement Marking.....	69.31
	For <10, Add	6.87
	For >50 To 100, Deduct	-3.43
	For >100 To 200, Deduct	-4.58
	For >200, Deduct	-9.16
32 17 23 13-0018	EA Bike Lane Symbol, Painted Reflective Pavement Marking.....	51.05
	Note: Approximate overall dimensions: 4' width x 8' height.	
32 17 23 13-0019	EA Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	188.35
	Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	
32 17 23 13-0020	EA Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking.....	59.12
	Note: Approximate overall dimensions: 3' width x 12' height.	
32 17 23 13-0021	EA Through Lane Arrow, Painted Reflective Pavement Marking.....	63.51
	Note: Approximate overall dimensions: 3-1/2' width x 10' height.	
32 17 23 13-0022	EA Turn Lane Arrow, Painted Reflective Pavement Marking.....	73.37
	Note: Approximate overall dimensions: 6' width x 8' height.	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0023 EA Dual Turn Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 11' width x 8' height.	106.28	
32 17 23 13-0024 EA Turn And Through Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 7' width x 13' height.	108.55	
32 17 23 13-0025 EA Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 9' width x 15' height.	143.27	
32 17 23 13-0026 EA Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	58.63	
32 17 23 13-0027 EA Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	70.83	
32 17 23 13-0028 EA Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 5-1/2' width x 12' height.	96.94	
32 17 23 13-0029 EA Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 3-1/2' width x 20' height.	99.98	
32 17 23 13-0030 EA Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	132.34	
32 17 23 13-0031 EA Lane-Reduction Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 5-1/2' width x 18' height.	118.63	
32 17 23 13-0032 EA Wrong-Way Arrow, Painted Reflective Pavement Marking..... Note: Approximate overall dimensions: 6' width x 24' height.	150.10	
32 17 23 13-0033 Epoxy Reflective Pavement Marking (32 17 23 13-0001) Note: 15 mil thickness.		
32 17 23 13-0034 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line, Deduct	0.42 0.09 0.08 -0.06 -0.19	
32 17 23 13-0035 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line, Deduct	0.59 0.13 0.12 -0.09 -0.28	
32 17 23 13-0036 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line, Deduct	0.72 0.16 0.14 -0.11 -0.34	
32 17 23 13-0037 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line, Deduct	1.09 0.26 0.22 -0.16 -0.55	
32 17 23 13-0038 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.66 0.17 0.13 -0.10 -0.18 -0.37	
32 17 23 13-0039 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping..... For 20 Mil Thickness, Add For Up To 5,000 LF, Add For >25,000 LF, Deduct For Broken Line On One Side, Deduct For Double Broken Line, Deduct	0.95 0.25 0.19 -0.14 -0.27 -0.55	
32 17 23 13-0040 SF Solid Area, Epoxy Reflective Pavement Marking..... Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.32 0.64	
32 17 23 13-0041 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	3.26 0.31 0.41 -0.21 -0.27 -0.55	
32 17 23 13-0042 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	6.04 0.84 0.62 -0.31 -0.42 -0.83	
32 17 23 13-0043 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	10.21 1.45 1.04 -0.52 -0.69 -1.38	
32 17 23 13-0044 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	19.60 2.63 2.07 -1.03 -1.38 -2.76	
32 17 23 13-0045 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking..... For 20 Mil Thickness, Add For <10, Add For >50 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	23.03 3.29 2.32 -1.16 -1.55 -3.09	

32 Exterior Improvements

32 10 Bases, Ballasts, and Paving

32 17 Paving Specialties

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 17 23 13-0046	EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking .....41.33 <i>For 20 Mil Thickness, Add</i> 5.98 <i>For <10, Add</i> 4.13 <i>For >50 To 100, Deduct</i> -2.06 <i>For >100 To 200, Deduct</i> -2.75 <i>For >200, Deduct</i> -5.50		
32 17 23 13-0047	EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking .....55.12 <i>For 20 Mil Thickness, Add</i> 7.90 <i>For <10, Add</i> 5.54 <i>For >50 To 100, Deduct</i> -2.77 <i>For >100 To 200, Deduct</i> -3.70 <i>For >200, Deduct</i> -7.39		
32 17 23 13-0048	EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking .....86.34 <i>For 20 Mil Thickness, Add</i> 15.80 <i>For <10, Add</i> 6.87 <i>For >50 To 100, Deduct</i> -3.43 <i>For >100 To 200, Deduct</i> -4.58 <i>For >200, Deduct</i> -9.16		
32 17 23 13-0049	EA Bike Lane Symbol, Epoxy Reflective Pavement Marking.....68.63 Note: Approximate overall dimensions: 4' width x 8' height. <i>For 20 Mil Thickness, Add</i> 15.29		
32 17 23 13-0050	EA Railroad Crossing Symbol, Epoxy Reflective Pavement Marking .....276.24 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines. <i>For 20 Mil Thickness, Add</i> 73.11		
32 17 23 13-0051	EA Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....78.89 Note: Approximate overall dimensions: 3' width x 12' height. <i>For 20 Mil Thickness, Add</i> 17.29		
32 17 23 13-0052	EA Through Lane Arrow, Epoxy Reflective Pavement Marking.....82.73 Note: Approximate overall dimensions: 3-1/2' width x 10' height. <i>For 20 Mil Thickness, Add</i> 17.11		
32 17 23 13-0053	EA Turn Lane Arrow, Epoxy Reflective Pavement Marking.....99.74 Note: Approximate overall dimensions: 6' width x 8' height. <i>For 20 Mil Thickness, Add</i> 22.78		
32 17 23 13-0054	EA Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking .....154.62 Note: Approximate overall dimensions: 11' width x 8' height. <i>For 20 Mil Thickness, Add</i> 40.34		
32 17 23 13-0055	EA Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking .....158.54 Note: Approximate overall dimensions: 7' width x 13' height. <i>For 20 Mil Thickness, Add</i> 41.65		
32 17 23 13-0056	EA Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....217.43 Note: Approximate overall dimensions: 9' width x 15' height. <i>For 20 Mil Thickness, Add</i> 60.90		
32 17 23 13-0057	EA Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....69.57 Note: Approximate overall dimensions: 5-1/2' width x 12' height. <i>For 20 Mil Thickness, Add</i> 10.86		
32 17 23 13-0058	EA Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....90.60 Note: Approximate overall dimensions: 3' width x 12' height. <i>For 20 Mil Thickness, Add</i> 17.87		
32 17 23 13-0059	EA Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking .....115.04 Note: Approximate overall dimensions: 5-1/2' width x 12' height. <i>For 20 Mil Thickness, Add</i> 25.07		
32 17 23 13-0060	EA Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking .....117.85 Note: Approximate overall dimensions: 3-1/2' width x 20' height. <i>For 20 Mil Thickness, Add</i> 26.00		
32 17 23 13-0061	EA Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....192.76 Note: Approximate overall dimensions: 3-1/2' width x 20' height. <i>For 20 Mil Thickness, Add</i> 50.40		
32 17 23 13-0062	EA Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....171.19 Note: Approximate overall dimensions: 5-1/2' width x 18' height. <i>For 20 Mil Thickness, Add</i> 44.73		
32 17 23 13-0063	EA Wrong-Way Arrow, Epoxy Reflective Pavement Marking .....163.82 Note: Approximate overall dimensions: 6' width x 24' height. <i>For 20 Mil Thickness, Add</i> 43.03		
32 17 23 13-0064	Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13) Note: Includes primers. Per Coat.		
32 17 23 13-0065	Painted Pavement Marking For Parking Areas (32 17 23 13-0064) Note: 15 mil thickness.		
32 17 23 13-0066	LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....0.91		
32 17 23 13-0067	LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....0.99		
32 17 23 13-0068	LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....1.05		
32 17 23 13-0069	LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....1.18		
32 17 23 13-0070	SF Solid Area, Painted Pavement Marking For Parking Areas.....4.16 Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0071	EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....2.97 <i>For Up To 10, Add</i> 0.40 <i>For >50 To 100, Deduct</i> -0.20 <i>For >100 To 200, Deduct</i> -0.27 <i>For >200, Deduct</i> -0.54		
32 17 23 13-0072	EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....5.06 <i>For Up To 10, Add</i> 0.60 <i>For >50 To 100, Deduct</i> -0.30 <i>For >100 To 200, Deduct</i> -0.40 <i>For >200, Deduct</i> -0.80		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0073	EA		24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.54	
			<i>For Up To 10, Add</i>	1.00	
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 200, Deduct</i>	-0.67	
			<i>For >200, Deduct</i>	-1.34	
32 17 23 13-0074	EA		36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	15.95	
			<i>For Up To 10, Add</i>	1.91	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100 To 200, Deduct</i>	-1.27	
			<i>For >200, Deduct</i>	-2.54	
32 17 23 13-0075	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	21.13	
			<i>For Up To 10, Add</i>	2.61	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 200, Deduct</i>	-1.74	
			<i>For >200, Deduct</i>	-3.48	
32 17 23 13-0076	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	25.65	
			<i>For Up To 10, Add</i>	3.21	
			<i>For >50 To 100, Deduct</i>	-1.61	
			<i>For >100 To 200, Deduct</i>	-2.14	
			<i>For >200, Deduct</i>	-4.29	
32 17 23 13-0077	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	34.47	
			<i>For Up To 10, Add</i>	4.02	
			<i>For >50 To 100, Deduct</i>	-2.01	
			<i>For >100 To 200, Deduct</i>	-2.68	
			<i>For >200, Deduct</i>	-5.35	
32 17 23 13-0078	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas	62.50	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0079	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas	71.99	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0080	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas	103.73	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0081	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	105.92	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0082	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas	139.37	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0083	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	25.12	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	19.25	
			<i>For Blue Background With White Symbol And Border, Add</i>	24.06	
32 17 23 13-0084	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas	37.43	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	40.11	
			<i>For Blue Background With White Symbol And Border, Add</i>	50.14	
32 17 23 13-0085			Painted Curbs <small>(32 17 23 13)</small>		
			Note: All colors.		
32 17 23 13-0086	LF		Reflective Painted Curb	2.40	
32 17 23 13-0087	LF		Reflective Painted Curb And Gutter.....	4.61	
32 17 23 13-0088	LF		Painted Curb.....	1.94	
32 17 23 13-0089	LF		Painted Curb And Gutter	4.21	
32 17 23 13-0090			Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>		
32 17 23 13-0091	LF		2" Wide Marking For Outdoor Play Areas	0.79	
32 17 23 13-0092	LF		3" Wide Marking For Outdoor Play Areas	0.89	
32 17 23 13-0093	LF		4" Wide Marking For Outdoor Play Areas	1.00	
32 17 23 13-0094	LF		6" Wide Marking For Outdoor Play Areas	1.18	
32 17 23 13-0095	EA		Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera)	192.62	
32 17 23 23			Raised Pavement Markings <small>(32 17 23)</small>		
32 17 23 23-0001			Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM)	4.41	2.17
			<i>For >100, Deduct</i>	-0.44	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM)	4.65	2.17
			<i>For >100, Deduct</i>	-0.47	
32 17 23 23-0004	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM).....	4.10	2.17
			<i>For >100, Deduct</i>	-0.41	
32 17 23 23-0005			Snowplowable Pavement Markers <small>(32 17 23 23)</small>		
32 17 23 23-0006	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	55.55	24.43
32 17 23 23-0007	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	55.76	24.43
32 17 23 23-0008	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	15.25	
32 17 23 23-0009	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	19.53	
32 17 23 33			Plastic Pavement Markings <small>(32 17 23)</small>		
32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small>		
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 17 23 33-0002	Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
	Note: 90 mil thickness.		
32 17 23 33-0003	LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.11	
	For Up To 5,000 LF, Add	0.22	
	For >25,000 LF, Deduct	-0.17	
	For 60 mils Thick, Deduct	-0.15	
	For 125 mils Thick, Add	0.20	
	For Broken Line, Deduct	-0.65	
32 17 23 33-0004	LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.59	
	Note: Includes yellow or white.		
	For Up To 5,000 LF, Add	0.32	
	For >25,000 LF, Deduct	-0.24	
	For 60 mils Thick, Deduct	-0.23	
	For 125 mils Thick, Add	0.29	
	For Broken Line, Deduct	-0.98	
32 17 23 33-0005	LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.10	
	Note: Includes yellow or white.		
	For Up To 5,000 LF, Add	0.42	
	For >25,000 LF, Deduct	-0.32	
	For 60 mils Thick, Deduct	-0.30	
	For 125 mils Thick, Add	0.39	
	For Broken Line, Deduct	-1.30	
32 17 23 33-0006	LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.08	
	Note: Includes yellow or white.		
	For Up To 5,000 LF, Add	0.62	
	For >25,000 LF, Deduct	-0.46	
	For 60 mils Thick, Deduct	-0.46	
	For 125 mils Thick, Add	0.59	
	For Broken Line, Deduct	-1.95	
32 17 23 33-0007	LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.09	
	Note: Includes yellow or white.		
	For Up To 5,000 LF, Add	0.42	
	For >25,000 LF, Deduct	-0.31	
	For 60 mils Thick, Deduct	-0.30	
	For 125 mils Thick, Add	0.39	
	For Broken Line On One Side, Deduct	-0.65	
	For Double Broken Line, Deduct	-1.30	
32 17 23 33-0008	LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	3.08	
	Note: Includes yellow or white.		
	For Up To 5,000 LF, Add	0.62	
	For >25,000 LF, Deduct	-0.46	
	For 60 mils Thick, Deduct	-0.46	
	For 125 mils Thick, Add	0.59	
	For Broken Line On One Side, Deduct	-0.98	
	For Double Broken Line, Deduct	-1.95	
32 17 23 33-0009	SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.59	
	Note: Includes yellow or white.		
	For 60 mils Thick, Deduct	-0.45	
	For 125 mils Thick, Add	0.58	
32 17 23 33-0010	EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	4.28	
	For Up To 10, Add	0.45	
	For >50 To 100, Deduct	-0.23	
	For >100 To 200, Deduct	-0.30	
	For >200, Deduct	-0.60	
	For 60 mils Thick, Deduct	-0.22	
	For 125 mils Thick, Add	0.28	
32 17 23 33-0011	EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	9.11	
	For Up To 10, Add	0.68	
	For >50 To 100, Deduct	-0.34	
	For >100 To 200, Deduct	-0.46	
	For >200, Deduct	-0.91	
	For 60 mils Thick, Deduct	-0.80	
	For 125 mils Thick, Add	1.03	
32 17 23 33-0012	EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	15.56	
	For Up To 10, Add	1.14	
	For >50 To 100, Deduct	-0.57	
	For >100 To 200, Deduct	-0.76	
	For >200, Deduct	-1.51	
	For 60 mils Thick, Deduct	-1.40	
	For 125 mils Thick, Add	1.80	
32 17 23 33-0013	EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	29.25	
	For Up To 10, Add	2.28	
	For >50 To 100, Deduct	-1.14	
	For >100 To 200, Deduct	-1.52	
	For >200, Deduct	-3.04	
	For 60 mils Thick, Deduct	-2.46	
	For 125 mils Thick, Add	3.16	
32 17 23 33-0014	EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	35.26	
	For Up To 10, Add	2.55	
	For >50 To 100, Deduct	-1.28	
	For >100 To 200, Deduct	-1.70	
	For >200, Deduct	-3.40	
	For 60 mils Thick, Deduct	-3.20	
	For 125 mils Thick, Add	4.11	
32 17 23 33-0015	EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	63.62	
	For Up To 10, Add	4.54	
	For >50 To 100, Deduct	-2.27	
	For >100 To 200, Deduct	-3.03	
	For >200, Deduct	-6.05	
	For 60 mils Thick, Deduct	-5.84	
	For 125 mils Thick, Add	7.51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0016 EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	84.54	
For Up To 10, Add	6.10	
For >50 To 100, Deduct	-3.05	
For >100 To 200, Deduct	-4.06	
For >200, Deduct	-8.13	
For 60 mils Thick, Deduct	-7.68	
For 125 mils Thick, Add	9.88	
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	148.32	
For Up To 10, Add	7.55	
For >50 To 100, Deduct	-3.78	
For >100 To 200, Deduct	-5.03	
For >200, Deduct	-10.07	
For 60 mils Thick, Deduct	-17.15	
For 125 mils Thick, Add	22.05	
32 17 23 33-0018 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	126.87	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-17.52	
For 125 mils Thick, Add	22.52	
32 17 23 33-0019 EA Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	567.44	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
For 60 mils Thick, Deduct	-87.59	
For 125 mils Thick, Add	112.61	
32 17 23 33-0020 EA Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking	144.41	
Note: Approximate overall dimensions: 3' width x 12' height.		
For 60 mils Thick, Deduct	-19.71	
For 125 mils Thick, Add	25.34	
32 17 23 33-0021 EA Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	146.43	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
For 60 mils Thick, Deduct	-19.16	
For 125 mils Thick, Add	24.63	
32 17 23 33-0022 EA Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	187.10	
Note: Approximate overall dimensions: 6' width x 8' height.		
For 60 mils Thick, Deduct	-26.28	
For 125 mils Thick, Add	33.78	
32 17 23 33-0023 EA Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	314.77	
Note: Approximate overall dimensions: 11' width x 8' height.		
For 60 mils Thick, Deduct	-48.17	
For 125 mils Thick, Add	61.94	
32 17 23 33-0024 EA Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	324.16	
Note: Approximate overall dimensions: 7' width x 13' height.		
For 60 mils Thick, Deduct	-49.82	
For 125 mils Thick, Add	64.05	
32 17 23 33-0025 EA Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	463.13	
Note: Approximate overall dimensions: 9' width x 15' height.		
For 60 mils Thick, Deduct	-73.90	
For 125 mils Thick, Add	95.02	
32 17 23 33-0026 EA Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	105.82	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
For 60 mils Thick, Deduct	-10.90	
For 125 mils Thick, Add	14.02	
32 17 23 33-0027 EA Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	156.12	
Note: Approximate overall dimensions: 3' width x 12' height.		
For 60 mils Thick, Deduct	-19.71	
For 125 mils Thick, Add	25.34	
32 17 23 33-0028 EA Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	253.32	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
For 60 mils Thick, Deduct	-36.13	
For 125 mils Thick, Add	46.45	
32 17 23 33-0029 EA Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	265.83	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
For 60 mils Thick, Deduct	-38.32	
For 125 mils Thick, Add	49.27	
32 17 23 33-0030 EA Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	392.96	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
For 60 mils Thick, Deduct	-60.22	
For 125 mils Thick, Add	77.42	
32 17 23 33-0031 EA Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	353.19	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
For 60 mils Thick, Deduct	-54.19	
For 125 mils Thick, Add	69.68	
32 17 23 33-0032 EA Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	491.28	
Note: Approximate overall dimensions: 6' width x 24' height.		
For 60 mils Thick, Deduct	-78.83	
For 125 mils Thick, Add	101.35	
32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0034 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.29	
For 60 mils Thick, Deduct	-0.15	
For 125 mils Thick, Add	0.20	
32 17 23 33-0035 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.91	
For 60 mils Thick, Deduct	-0.23	
For 125 mils Thick, Add	0.29	
32 17 23 33-0036 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.61	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.39	
32 17 23 33-0037 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.21	
For 60 mils Thick, Deduct	-0.46	
For 125 mils Thick, Add	0.59	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 17 23 33-0038	LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	9.43 -0.91 1.17	
32 17 23 33-0039	Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small> Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0040	LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	2.37 0.47 -0.36	
32 17 23 33-0041	LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	3.51 0.70 -0.53	
32 17 23 33-0042	LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	4.67 0.93 -0.70	
32 17 23 33-0043	LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For >25,000 LF, Deduct</i>	6.92 1.38 -1.04	
32 17 23 33-0044	SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	18.80	
32 17 23 33-0045	EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	27.98 0.82 -0.41 -0.55 -1.10	
32 17 23 33-0046	EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	49.76 1.04 -0.52 -0.70 -1.39	
32 17 23 33-0047	EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	85.25 2.07 -1.03 -1.38 -2.76	
32 17 23 33-0048	EA 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	122.04 4.14 -2.07 -2.76 -5.52	
32 17 23 33-0049	EA 48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	143.24 4.64 -2.32 -3.09 -6.19	
32 17 23 33-0050	EA 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	181.27 8.25 -4.13 -5.50 -11.01	
32 17 23 33-0051	EA 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	230.61 11.09 -5.54 -7.39 -14.78	
32 17 23 33-0052	EA 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape <i>For <10, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	289.21 13.74 -6.87 -9.16 -18.32	
32 17 23 33-0053	SF Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	19.34	
32 17 23 33-0054	SF Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape..... Note: Handicap, railroad, diamond symbol, etc.	20.34	
32 17 23 33-0055	Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0056	EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	225.97	
32 17 23 33-0057	EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	598.76	
32 17 23 33-0058	EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	122.03	
32 17 23 33-0059	EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 2' width x 6' height.	104.18	
32 17 23 33-0060	EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	198.24	
32 17 23 33-0061	EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 3' width x 4' height.	119.91	
32 17 23 33-0062	EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 6' width x 8' height.	220.14	
32 17 23 33-0063	EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	373.11	
32 17 23 33-0064	EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	559.29	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 33-0065	EA			Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 204.80 Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0066	EA			Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 226.70 Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0067	EA			Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 413.25 Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0068	EA			Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 380.47 Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0069	EA			Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 382.48 Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0070	EA			Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 522.68 Note: Approximate overall dimensions: 5-1/2' width x 18' height.		

32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 33)

32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0071)
 Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0073	EA			28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 78.19 Note: White or blue symbol. Excludes striping.		
32 17 23 33-0074	EA			39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 286.89 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
32 17 23 33-0075	EA			40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 163.86 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0076	EA			45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 196.39 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0077	EA			48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 205.75 Note: White symbol on blue background. Excludes striping.		

32 17 26 Tactile Warning Surfaces (32 17)

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)

Note: Truncated dome, raised strips or directional bars. All colors.						
32 17 26 00-0002	SF			Surface Applied VPC Truncated Dome Detectable Warning Surface 51.51		7.68
Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.						
32 17 26 00-0003	SF			Embedded, VPC Truncated Dome Detectable Warning Surface 41.53		7.68
Note: Also raised strips or directional bars. All colors.						

32 17 26 00-0004 Cast Iron Detectable Warning Plates (32 17 26)

Note: Natural finish.						
32 17 26 00-0005 Embedded, Cast Iron Detectable Warning Plates <small>(32 17 26 00-0004)</small>						
Note: Includes bedding concrete.						
32 17 26 00-0006	SY			Embedded, Cast Iron Detectable Warning Plates 485.57		

32 18 Athletic and Recreational Surfacing (32 18)

32 18 16 Synthetic Resilient Surfacing (32 18)

32 18 16 13 Playground Protective Surfacing (32 18 16)

32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13)

Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.						
32 18 16 13-0002	SF			1-3/4" Thick, Resilient Rubber Tile 15.29		1.96
				<i>For Manufacturer's Standard Colors, Add</i>	0.85	
				<i>For Mechanically Fastened, Add</i>	1.57	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0003	SF			2" Thick, Resilient Rubber Tile 15.66		2.07
				<i>For Manufacturer's Standard Colors, Add</i>	0.85	
				<i>For Mechanically Fastened, Add</i>	1.65	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0004	SF			2-1/4" Thick, Resilient Rubber Tile 16.40		2.32
				<i>For Manufacturer's Standard Colors, Add</i>	0.85	
				<i>For Mechanically Fastened, Add</i>	1.80	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0005	SF			2-1/2" Thick, Resilient Rubber Tile 17.13		2.57
				<i>For Manufacturer's Standard Colors, Add</i>	0.85	
				<i>For Mechanically Fastened, Add</i>	1.94	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0006	SF			2-3/4" Thick, Resilient Rubber Tile 19.08		2.81
				<i>For Manufacturer's Standard Colors, Add</i>	0.64	
				<i>For Mechanically Fastened, Add</i>	2.09	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007	SF			3" Thick, Resilient Rubber Tile 19.89		3.08
				<i>For Manufacturer's Standard Colors, Add</i>	0.64	
				<i>For Mechanically Fastened, Add</i>	2.25	
				<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 18 16 13-0008	SF 3-1/4" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	20.73 0.64 2.42 1.50	3.36
32 18 16 13-0009	SF 3-1/2" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	22.73 0.36 2.57 1.50	3.59
32 18 16 13-0010	SF 3-3/4" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	23.47 0.36 2.72 1.50	3.89
32 18 16 13-0011	SF 4" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	24.27 0.36 2.88 1.50	4.11
32 18 16 13-0012	SF 4-1/2" Thick, Resilient Rubber Tile..... <i>For Manufacturer's Standard Colors, Add</i> <i>For Mechanically Fastened, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	27.86 0.35 3.19 1.50	4.62
32 18 16 13-0013 Loose Laid Playground Surface Material (32 18 16 13)			
Note: Excludes sub base.			
32 18 16 13-0014	SF 3" Loose Laid Wood Fiber Safety Surface	1.44	0.29
32 18 16 13-0015	SF 6" Loose Laid Wood Fiber Safety Surface	1.93	0.36
32 18 16 13-0016	SF 9" Loose Laid Wood Fiber Safety Surface	2.47	0.44
32 18 16 13-0017	SF 12" Loose Laid Wood Fiber Safety Surface	3.49	0.66
32 18 16 13-0018	SF 3" Loose Laid Synthetic Fiber Safety Surface.....	2.72	0.29
32 18 16 13-0019	SF 6" Loose Laid Synthetic Fiber Safety Surface.....	3.36	0.36
32 18 16 13-0020	SF 9" Loose Laid Synthetic Fiber Safety Surface.....	5.36	0.44
32 18 16 13-0021	SF 12" Loose Laid Synthetic Fiber Safety Surface.....	6.56	0.66
32 18 16 13-0022	SF 8" FIBAR System	11.24	1.10
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.			
32 18 16 13-0023	SF 12" FIBAR System	14.19	1.47
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.			
32 18 16 13-0024 Poured In Place Playground Surfacing (32 18 16 13)			
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.			
32 18 16 13-0025	SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	13.22	2.32
<i>For Up To 2,000, Add</i>		3.01	
<i>For >2,000 To 3,000, Add</i>		2.11	
<i>For >3,000 To 4,000, Add</i>		1.43	
<i>For >4,000 To 5,000, Add</i>		0.91	
<i>For >5,000 To 7,000, Add</i>		0.38	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	
32 18 16 13-0026	SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	13.63	2.57
<i>For Up To 2,000, Add</i>		3.10	
<i>For >2,000 To 3,000, Add</i>		2.18	
<i>For >3,000 To 4,000, Add</i>		1.48	
<i>For >4,000 To 5,000, Add</i>		0.94	
<i>For >5,000 To 7,000, Add</i>		0.39	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	
32 18 16 13-0027	SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	14.71	2.94
<i>For Up To 2,000, Add</i>		3.35	
<i>For >2,000 To 3,000, Add</i>		2.35	
<i>For >3,000 To 4,000, Add</i>		1.59	
<i>For >4,000 To 5,000, Add</i>		1.01	
<i>For >5,000 To 7,000, Add</i>		0.42	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	
32 18 16 13-0028	SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	15.90	3.13
<i>For Up To 2,000, Add</i>		3.62	
<i>For >2,000 To 3,000, Add</i>		2.54	
<i>For >3,000 To 4,000, Add</i>		1.72	
<i>For >4,000 To 5,000, Add</i>		1.10	
<i>For >5,000 To 7,000, Add</i>		0.45	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	
32 18 16 13-0029	SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	17.07	3.29
<i>For Up To 2,000, Add</i>		3.89	
<i>For >2,000 To 3,000, Add</i>		2.73	
<i>For >3,000 To 4,000, Add</i>		1.85	
<i>For >4,000 To 5,000, Add</i>		1.18	
<i>For >5,000 To 7,000, Add</i>		0.49	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	
32 18 16 13-0030	SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	18.07	3.48
<i>For Up To 2,000, Add</i>		4.11	
<i>For >2,000 To 3,000, Add</i>		2.88	
<i>For >3,000 To 4,000, Add</i>		1.96	
<i>For >4,000 To 5,000, Add</i>		1.25	
<i>For >5,000 To 7,000, Add</i>		0.51	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>		2.95	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>		-0.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	19.24	3.67
For Up To 2,000, Add	4.38	
For >2,000 To 3,000, Add	3.07	
For >3,000 To 4,000, Add	2.08	
For >4,000 To 5,000, Add	1.33	
For >5,000 To 7,000, Add	0.55	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	21.59	4.11
For Up To 2,000, Add	4.92	
For >2,000 To 3,000, Add	3.45	
For >3,000 To 4,000, Add	2.34	
For >4,000 To 5,000, Add	1.49	
For >5,000 To 7,000, Add	0.61	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing.....	8.64	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	3.00	
For >2,000 To 3,000, Add	1.93	
For >3,000 To 4,000, Add	1.17	
For >4,000 To 5,000, Add	0.71	
For >5,000 To 7,000, Add	0.32	
For Aliphatic (Non Yellowing) Binder, Add	2.95	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.41	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	2,283.74	
32 18 16 13-0035 Synthetic Playground Turf (Sporturf) (32 18 16 13)		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	7.52	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	6.64	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf).....	4.31	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf).....	42.96	
32 18 23 Athletic Surfacing (32 18)		
32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)		
32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)		
Note: Tasks include labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	5.97	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	18,924.98	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	15,425.64	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	4,641.98	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,713.96	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,642.54	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	14,283.00	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	20,710.35	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	6.83	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	19,282.17	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	15,997.06	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	4,999.08	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,856.80	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,713.97	
Note: Per endzone.		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.		14,997.24	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.		21,746.00	
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>			
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) <i>For Ambient Rubber And Sand Infill, Add</i>		6.95	0.10
		<i>For Cryo Rubber Infill, Add</i>			0.26
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>			0.31
		<i>For Cryo Rubber And Sand Infill, Add</i>			0.36
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields		19,639.24	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields		17,282.53	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.		5,356.16	
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.		1,999.63	
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields..... Note: Per endzone.		1,785.39	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.		15,711.39	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.		22,781.52	
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>			
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>			
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) <i>For Ambient Rubber And Sand Infill, Add</i>		7.76	0.10
		<i>For Cryo Rubber Infill, Add</i>			0.20
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>			0.25
		<i>For Cryo Rubber And Sand Infill, Add</i>			0.30
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields		20,353.28	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields		21,710.16	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.		6,070.28	
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per letter. Excludes outline.		2,285.28	
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per endzone.		1,928.20	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Block letter.		17,139.60	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.		24,852.42	
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>			
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) <i>For Ambient Rubber And Sand Infill, Add</i>		8.02	0.10
		<i>For Cryo Rubber Infill, Add</i>			0.20
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>			0.25
		<i>For Cryo Rubber And Sand Infill, Add</i>			0.30
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields		20,710.35	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields		24,138.27	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.		6,427.35	
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per letter. Excludes outline.		2,428.11	
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per endzone.		1,999.62	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Block letter.		17,853.75	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.		25,887.94	
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>			
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) <i>For Ambient Rubber And Sand Infill, Add</i>		8.04	0.10
		<i>For Cryo Rubber Infill, Add</i>			0.20
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>			0.25
		<i>For Cryo Rubber And Sand Infill, Add</i>			0.30
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....		21,067.42	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....		24,281.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	6,784.42	
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	2,570.94	
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per endzone.	2,071.04	
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	18,567.90	
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	26,923.46	
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	8.18 0.10 0.20 0.25 0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	21,424.50	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	25,852.23	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	7,141.50	
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	2,856.60	
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per endzone.	2,142.45	
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	19,282.05	
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	27,958.97	
32 18 23 29-0068			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069			38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	6.57 0.10 0.26 0.31 0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	18,210.93	
32 18 23 29-0072	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,426.10	
32 18 23 29-0073	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	3,927.85	
32 18 23 29-0074	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	1,428.31	
32 18 23 29-0075	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per endzone.	1,499.72	
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	12,854.78	
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	18,639.43	
32 18 23 29-0078			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079	SF		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) <i>For Ambient Rubber And Sand Infill, Add</i> <i>For Cryo Rubber Infill, Add</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> <i>For Cryo Rubber And Sand Infill, Add</i>	5.79 0.10 0.26 0.31 0.36	
32 18 23 29-0080	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	18,567.90	
32 18 23 29-0081	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,283.00	
32 18 23 29-0082	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	4,284.90	
32 18 23 29-0083	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	1,571.13	
32 18 23 29-0084	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per endzone.	1,571.13	
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	13,568.85	
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	19,674.83	
32 18 23 29-0087			Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	12.76	
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	11.45	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields.....	35,238.64	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields.....	41,864.72	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	10,240.29	
		Note: Per sport.		
32 18 23 29-0093	EA	Endzone Lettering For AstroTurf® PureGrass® Fields.....	3,915.40	
		Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA	Colored Endzone For AstroTurf® PureGrass® Fields	2,906.28	
		Note: Per endzone.		
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields.....	26,156.52	
		Note: Block letter.		
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields.....	38,401.09	
		Note: Graphic.		

32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)

Note: Tasks include labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	7.13	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For >35,000, Deduct</i>	-0.64	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	7.06	
		Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
		<i>For >35,000, Deduct</i>	-0.64	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	7.37	
		Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf.....	48,715.33	
		Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	21,109.98	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	21,109.98	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	21,109.98	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf.....	21,109.98	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf.....	2,435.77	
		Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	2.28	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	5.95	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.70	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf.....	0.86	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.41	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf	1,623.84	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	16,238.44	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf	0.53	
		Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
		<i>For >10,000 To 30,000, Deduct</i>	-0.21	
		<i>For >30,000 To 60,000, Deduct</i>	-0.37	
		<i>For >60,000, Deduct</i>	-0.41	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill	3.64	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill	4.05	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf	3.32	
		Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf	2.04	
		Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf	3,236.20	
		Note: Includes field inspection and report.		
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	8.90	
		Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf.....	3.56	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field.....	2.51	
		Note: Includes removal, shipping and recycling of infill, fibers and backing.		

32 30 Site Improvements (32)**32 31 Fences and Gates** (32 30)**32 31 11 Gate Operators** (32 31)**32 31 11 00-0001 Gate Operators** (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

32 31 11 00-0002 Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0001)**32 31 11 00-0003 Single Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,499.89	178.26
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,995.36	178.26
		Note: Includes one primary operator with a 14' wide gate capacity.		

32 31 11 00-0006 Dual Gate, Swing Gate Actuator (32 31 11 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0007	EA		Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	2,999.80	356.51
32 31 11 00-0008	EA		Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	3,990.74	356.51
32 31 11 00-0009			Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0010			Single Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0011	EA		400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	3,049.81	178.26
32 31 11 00-0012	EA		500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	3,316.60	178.26
32 31 11 00-0013	EA		700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	4,498.10	178.26
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0014	EA		800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	5,095.20	178.26
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0015			Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	5,400.91	356.51
32 31 11 00-0017	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	5,934.49	356.51
32 31 11 00-0018	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	8,284.77	356.51
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0019	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	9,593.31	356.51
			<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020			Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
			Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,772.83	178.26
32 31 11 00-0022	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,487.92	213.91
32 31 11 00-0023	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,088.78	213.91
32 31 11 00-0024	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,039.92	249.56
32 31 11 00-0025	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,966.96	249.56
32 31 11 00-0026	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	6,789.36	285.21
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	11,385.95	285.21
32 31 11 00-0028	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	19,337.14	320.87
32 31 11 00-0029			Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0030	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.	503.01	
32 31 11 00-0031	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	979.34	
32 31 11 00-0032	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	650.78	
32 31 11 00-0033	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	709.38	
32 31 11 00-0034	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	633.15	
32 31 11 00-0035	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	448.94	
32 31 11 00-0036	LF		#40 Chain For Sliding Gate Operators.....	6.29	
32 31 11 00-0037	LF		#41 Chain For Sliding Gate Operators.....	5.00	
32 31 11 00-0038	LF		#50 Chain For Sliding Gate Operators.....	7.00	
32 31 11 00-0039	LF		#60 Chain For Sliding Gate Operators.....	6.65	
32 31 11 00-0040	EA		Exterior Keypad Gate Operator (Linear AK-11)	499.06	103.37
32 31 11 00-0041			Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 11 00-0042	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,462.13	213.91
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		<i>For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add</i>	168.32	
		<i>For Plug-In Loop Detector Option (Liftmaster LOOPDETLTM), Add</i>	120.48	
		<i>For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add</i>	59.33	
		<i>For 10 Watt Solar Panel (Liftmaster SP10W12V), Add</i>	238.49	
		<i>For Each Additional 10' Chain, Add</i>	35.72	

32 31 13 Chain Link Fences and Gates (32 31)**32 31 13 13 Chain Link Fences and Gates (32 31 13)****32 31 13 13-0001****Post Holes (32 31 13 13)**

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0139 for core drilling in asphalt.

32 31 13 13-0002**Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)**

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.96	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.96	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.61	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.95	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.04	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.34	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.93	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.91	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	20.47	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	23.89	
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	28.67	
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	35.84	

32 31 13 13-0015**Post Hole In Rock (32 31 13 13-0001)**

32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	57.77	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	16.61	

32 31 13 13-0018**Fill For Post Holes (32 31 13 13-0001)****32 31 13 13-0019****Concrete Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	5.33	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	6.82	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	7.58	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	8.88	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	12.64	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	16.86	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	20.69	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	24.23	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	33.51	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	42.08	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	50.48	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	59.27	

32 31 13 13-0032**Grout Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	6.15	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	7.90	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	8.69	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	9.95	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	14.00	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	18.70	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	22.85	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	26.64	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	36.17	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	44.76	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	53.12	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	61.79	

32 31 13 13-0045**Compacted Earth Fill For Post Holes (32 31 13 13-0018)**

32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	3.97	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.16	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole.....	5.40	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole.....	5.56	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole.....	7.42	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole.....	9.90	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole.....	11.88	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole.....	13.47	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole.....	16.41	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole.....	18.42	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	20.20	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	21.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0058			Chain Link Fence Assemblies <small>(32 31 13 13)</small>		
32 31 13 13-0059			Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts <small>(32 31 13 13-0059)</small>		
			Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0607 for barb wire attachments.		
32 31 13 13-0060			Galvanized <small>(32 31 13 13-0059)</small>		
32 31 13 13-0061	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	28.29	2.90
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.98	
			For 13 Gauge Fabric, Deduct	-5.89	
			For 11 Gauge Fabric, Deduct	-3.44	
			For 6 Gauge Fabric, Add	5.40	
			For 1" Mesh Fabric, Add	7.37	
			For 1-3/4" Mesh Fabric, Add	2.95	
			For 2-1/8" Mesh Fabric, Deduct	-1.47	
			For 2-3/8" Mesh Fabric, Deduct	-1.97	
			For Posts 8' On Centers, Add	1.55	
			For Posts 5' On Centers, Add	5.83	
			For Up To 100, Add	5.38	
			For >100 To 250, Add	1.98	
			For >2,500 To 5,000, Deduct	-0.99	
			For >5,000, Deduct	-1.98	
			For 3/8" Non-Climbable Mesh, Add	21.88	
32 31 13 13-0062	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.47	2.90
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.05	
			For 13 Gauge Fabric, Deduct	-6.23	
			For 11 Gauge Fabric, Deduct	-3.64	
			For 6 Gauge Fabric, Add	5.72	
			For 1" Mesh Fabric, Add	7.80	
			For 1-3/4" Mesh Fabric, Add	3.12	
			For 2-1/8" Mesh Fabric, Deduct	-1.56	
			For 2-3/8" Mesh Fabric, Deduct	-2.08	
			For Posts 8' On Centers, Add	1.61	
			For Posts 5' On Centers, Add	6.05	
			For Up To 100, Add	5.57	
			For >100 To 250, Add	2.05	
			For >2,500 To 5,000, Deduct	-1.03	
			For >5,000, Deduct	-2.05	
			For 3/8" Non-Climbable Mesh, Add	25.10	
32 31 13 13-0063	LF		4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.49	2.90
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.11	
			For 13 Gauge Fabric, Deduct	-6.53	
			For 11 Gauge Fabric, Deduct	-3.81	
			For 6 Gauge Fabric, Add	5.99	
			For 1" Mesh Fabric, Add	8.17	
			For 1-3/4" Mesh Fabric, Add	3.27	
			For 2-1/8" Mesh Fabric, Deduct	-1.63	
			For 2-3/8" Mesh Fabric, Deduct	-2.18	
			For Posts 8' On Centers, Add	1.67	
			For Posts 5' On Centers, Add	6.25	
			For Up To 100, Add	5.74	
			For >100 To 250, Add	2.11	
			For >2,500 To 5,000, Deduct	-1.06	
			For >5,000, Deduct	-2.11	
			For 3/8" Non-Climbable Mesh, Add	28.35	
32 31 13 13-0064	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.90	2.90
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.25	
			For 13 Gauge Fabric, Deduct	-7.23	
			For 11 Gauge Fabric, Deduct	-4.22	
			For 6 Gauge Fabric, Add	6.64	
			For 1" Mesh Fabric, Add	9.05	
			For 1-3/4" Mesh Fabric, Add	3.62	
			For 2-1/8" Mesh Fabric, Deduct	-1.81	
			For 2-3/8" Mesh Fabric, Deduct	-2.41	
			For Posts 8' On Centers, Add	1.79	
			For Posts 5' On Centers, Add	6.71	
			For Up To 100, Add	6.14	
			For >100 To 250, Add	2.25	
			For >2,500 To 5,000, Deduct	-1.12	
			For >5,000, Deduct	-2.25	
			For 3/8" Non-Climbable Mesh, Add	34.43	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0065	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.73	2.90
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.43	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.94	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.64	
		<i>For 6 Gauge Fabric, Add</i>	7.29	
		<i>For 1" Mesh Fabric, Add</i>	9.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.99	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.65	
		<i>For Posts 8' On Centers, Add</i>	1.94	
		<i>For Posts 5' On Centers, Add</i>	7.27	
		<i>For Up To 100, Add</i>	6.65	
		<i>For >100 To 250, Add</i>	2.43	
		<i>For >2,500 To 5,000, Deduct</i>	-1.22	
		<i>For >5,000, Deduct</i>	-2.43	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	40.55	
32 31 13 13-0066	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	37.20	4.35
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.53	
		<i>For 13 Gauge Fabric, Deduct</i>	-8.29	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.84	
		<i>For 6 Gauge Fabric, Add</i>	7.61	
		<i>For 1" Mesh Fabric, Add</i>	10.37	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.15	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.07	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.77	
		<i>For Posts 8' On Centers, Add</i>	2.02	
		<i>For Posts 5' On Centers, Add</i>	7.56	
		<i>For Up To 100, Add</i>	6.92	
		<i>For >100 To 250, Add</i>	2.53	
		<i>For >2,500 To 5,000, Deduct</i>	-1.26	
		<i>For >5,000, Deduct</i>	-2.53	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	46.77	
32 31 13 13-0067	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.22	5.08
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.82	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.73	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.68	
		<i>For 6 Gauge Fabric, Add</i>	8.93	
		<i>For 1" Mesh Fabric, Add</i>	12.18	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.87	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.44	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.25	
		<i>For Posts 8' On Centers, Add</i>	2.28	
		<i>For Posts 5' On Centers, Add</i>	8.52	
		<i>For Up To 100, Add</i>	7.76	
		<i>For >100 To 250, Add</i>	2.82	
		<i>For >2,500 To 5,000, Deduct</i>	-1.41	
		<i>For >5,000, Deduct</i>	-2.82	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	53.05	
32 31 13 13-0068	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.13	6.52
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.00	
		<i>For 13 Gauge Fabric, Deduct</i>	-10.50	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.14	
		<i>For 6 Gauge Fabric, Add</i>	9.64	
		<i>For 1" Mesh Fabric, Add</i>	13.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.63	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.51	
		<i>For Posts 8' On Centers, Add</i>	2.44	
		<i>For Posts 5' On Centers, Add</i>	9.09	
		<i>For Up To 100, Add</i>	8.26	
		<i>For >100 To 250, Add</i>	3.00	
		<i>For >2,500 To 5,000, Deduct</i>	-1.50	
		<i>For >5,000, Deduct</i>	-3.00	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	58.51	
32 31 13 13-0069	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	48.05	7.25
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.18	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.28	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.59	
		<i>For 6 Gauge Fabric, Add</i>	10.36	
		<i>For 1" Mesh Fabric, Add</i>	14.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.82	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.77	
		<i>For Posts 8' On Centers, Add</i>	2.59	
		<i>For Posts 5' On Centers, Add</i>	9.66	
		<i>For Up To 100, Add</i>	8.77	
		<i>For >100 To 250, Add</i>	3.18	
		<i>For >2,500 To 5,000, Deduct</i>	-1.59	
		<i>For >5,000, Deduct</i>	-3.18	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	64.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0070	LF		12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	53.50	8.69
			<i>For Each Additional Foot >12, Add</i>	3.44	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.52	
			<i>For 13 Gauge Fabric, Deduct</i>	-12.72	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.43	
			<i>For 6 Gauge Fabric, Add</i>	11.68	
			<i>For 1" Mesh Fabric, Add</i>	15.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.19	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.25	
			<i>For Posts 8' On Centers, Add</i>	2.88	
			<i>For Posts 5' On Centers, Add</i>	10.73	
			<i>For Up To 100, Add</i>	9.71	
			<i>For >100 To 250, Add</i>	3.52	
			<i>For >2,500 To 5,000, Deduct</i>	-1.76	
			<i>For >5,000, Deduct</i>	-3.52	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	69.59	

32 31 13 13-0071 Vinyl Coated (32 31 13 13-0059)

32 31 13 13-0072	LF		4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	31.76	2.90
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.01	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.17	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.97	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.07	
			<i>For 6 Gauge Fabric, Add</i>	6.40	
			<i>For 1" Mesh Fabric, Add</i>	8.72	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.74	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.33	
			<i>For Posts 8' On Centers, Add</i>	1.73	
			<i>For Posts 5' On Centers, Add</i>	6.48	
			<i>For Up To 100, Add</i>	5.94	
			<i>For >100 To 250, Add</i>	2.17	
			<i>For >2,500 To 5,000, Deduct</i>	-1.09	
			<i>For >5,000, Deduct</i>	-2.17	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	31.79	

32 31 13 13-0073	LF		5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.50	2.90
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.36	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.33	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.79	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.65	
			<i>For 6 Gauge Fabric, Add</i>	7.15	
			<i>For 1" Mesh Fabric, Add</i>	9.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.90	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.95	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.60	
			<i>For Posts 8' On Centers, Add</i>	1.87	
			<i>For Posts 5' On Centers, Add</i>	7.00	
			<i>For Up To 100, Add</i>	6.38	
			<i>For >100 To 250, Add</i>	2.33	
			<i>For >2,500 To 5,000, Deduct</i>	-1.16	
			<i>For >5,000, Deduct</i>	-2.33	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	38.73	

32 31 13 13-0074	LF		6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.98	2.90
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.92	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.59	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.07	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.30	
			<i>For 6 Gauge Fabric, Add</i>	8.33	
			<i>For 1" Mesh Fabric, Add</i>	11.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.27	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.03	
			<i>For Posts 8' On Centers, Add</i>	2.10	
			<i>For Posts 5' On Centers, Add</i>	7.85	
			<i>For Up To 100, Add</i>	7.13	
			<i>For >100 To 250, Add</i>	2.59	
			<i>For >2,500 To 5,000, Deduct</i>	-1.30	
			<i>For >5,000, Deduct</i>	-2.59	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	45.70	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0075	LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	40.98	4.35
			For Powder Coated Framework (Posts, Rails, Hardware), Add	4.14	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.72	
			For 13 Gauge Fabric, Deduct	-9.60	
			For 11 Gauge Fabric, Deduct	-5.61	
			For 6 Gauge Fabric, Add	8.81	
			For 1" Mesh Fabric, Add	12.02	
			For 1-3/4" Mesh Fabric, Add	4.81	
			For 2-1/8" Mesh Fabric, Deduct	-2.40	
			For 2-3/8" Mesh Fabric, Deduct	-3.21	
			For Posts 8' On Centers, Add	2.21	
			For Posts 5' On Centers, Add	8.24	
			For Up To 100, Add	7.48	
			For >100 To 250, Add	2.72	
			For >2,500 To 5,000, Deduct	-1.36	
			For >5,000, Deduct	-2.72	
			For 3/8" Non-Climbable Mesh, Add	52.78	
32 31	13	13-0076	LF 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.62	5.08
			For Powder Coated Framework (Posts, Rails, Hardware), Add	4.86	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.04	
			For 13 Gauge Fabric, Deduct	-11.26	
			For 11 Gauge Fabric, Deduct	-6.58	
			For 6 Gauge Fabric, Add	10.33	
			For 1" Mesh Fabric, Add	14.09	
			For 1-3/4" Mesh Fabric, Add	5.64	
			For 2-1/8" Mesh Fabric, Deduct	-2.82	
			For 2-3/8" Mesh Fabric, Deduct	-3.76	
			For Posts 8' On Centers, Add	2.50	
			For Posts 5' On Centers, Add	9.32	
			For Up To 100, Add	8.42	
			For >100 To 250, Add	3.04	
			For >2,500 To 5,000, Deduct	-1.52	
			For >5,000, Deduct	-3.04	
			For 3/8" Non-Climbable Mesh, Add	59.92	
32 31	13	13-0077	LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.85	6.52
			For Powder Coated Framework (Posts, Rails, Hardware), Add	5.24	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.24	
			For 13 Gauge Fabric, Deduct	-12.15	
			For 11 Gauge Fabric, Deduct	-7.09	
			For 6 Gauge Fabric, Add	11.15	
			For 1" Mesh Fabric, Add	15.20	
			For 1-3/4" Mesh Fabric, Add	6.08	
			For 2-1/8" Mesh Fabric, Deduct	-3.04	
			For 2-3/8" Mesh Fabric, Deduct	-4.05	
			For Posts 8' On Centers, Add	2.67	
			For Posts 5' On Centers, Add	9.94	
			For Up To 100, Add	8.97	
			For >100 To 250, Add	3.24	
			For >2,500 To 5,000, Deduct	-1.62	
			For >5,000, Deduct	-3.24	
			For 3/8" Non-Climbable Mesh, Add	66.16	
32 31	13	13-0078	LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	53.09	7.25
			For Powder Coated Framework (Posts, Rails, Hardware), Add	5.63	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.43	
			For 13 Gauge Fabric, Deduct	-13.03	
			For 11 Gauge Fabric, Deduct	-7.61	
			For 6 Gauge Fabric, Add	11.97	
			For 1" Mesh Fabric, Add	16.32	
			For 1-3/4" Mesh Fabric, Add	6.53	
			For 2-1/8" Mesh Fabric, Deduct	-3.26	
			For 2-3/8" Mesh Fabric, Deduct	-4.35	
			For Posts 8' On Centers, Add	2.84	
			For Posts 5' On Centers, Add	10.57	
			For Up To 100, Add	9.52	
			For >100 To 250, Add	3.43	
			For >2,500 To 5,000, Deduct	-1.72	
			For >5,000, Deduct	-3.43	
			For 3/8" Non-Climbable Mesh, Add	72.58	
32 31	13	13-0079	LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	57.94	8.69
			For Each Additional Foot >12, Add	3.69	
			For Powder Coated Framework (Posts, Rails, Hardware), Add	6.16	
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.74	
			For 13 Gauge Fabric, Deduct	-14.26	
			For 11 Gauge Fabric, Deduct	-8.33	
			For 6 Gauge Fabric, Add	13.09	
			For 1" Mesh Fabric, Add	17.86	
			For 1-3/4" Mesh Fabric, Add	7.14	
			For 2-1/8" Mesh Fabric, Deduct	-3.57	
			For 2-3/8" Mesh Fabric, Deduct	-4.76	
			For Posts 8' On Centers, Add	3.10	
			For Posts 5' On Centers, Add	11.53	
			For Up To 100, Add	10.38	
			For >100 To 250, Add	3.74	
			For >2,500 To 5,000, Deduct	-1.87	
			For >5,000, Deduct	-3.74	
			For 3/8" Non-Climbable Mesh, Add	78.72	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0080		Fence Posts <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0081		Fence Posts <small>(32 31 13 13-0080)</small>		
32 31 13 13-0082		1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 13-0081)</small> Note: Includes cap and accessories.		
32 31 13 13-0083	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	14.23 0.85 2.38	2.30
32 31 13 13-0084	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	13.57 0.85 2.32	1.96
32 31 13 13-0085	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	12.78 0.85 2.24	1.62
32 31 13 13-0086	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	12.14 0.85 2.17	1.28
32 31 13 13-0087	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	11.72 0.85 2.13	1.11
32 31 13 13-0088	LF	1-7/8" Galvanized H-beam Post, >24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	11.04 0.85 2.06	0.77
32 31 13 13-0089		Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) <small>(32 31 13 13-0081)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0090	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	9.62 0.85 1.90 3.40 1.34 3.22 4.29 6.70 1.50 -1.07 3.00	2.14
32 31 13 13-0091	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	8.96 0.85 1.90 3.40 1.34 3.22 4.29 6.70 1.43 -1.07 2.93	1.79
32 31 13 13-0092	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	8.23 0.85 1.90 3.40 1.34 3.22 4.29 6.70 1.36 -1.07 2.86	1.45
32 31 13 13-0093	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	7.66 0.85 1.90 3.40 1.34 3.22 4.29 6.70 1.30 -1.07 2.80	1.11
32 31 13 13-0094	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	7.28 0.85 1.90 3.40 1.34 3.22 4.29 6.70 1.26 -1.07 2.76	0.94

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0095	LF >24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	6.86	0.77
	For Each Top Rail Fitting, Add	0.85	
	For Each Single Barbed Wire Arm, Add	1.90	
	For Each Double Barbed Wire Arm, Add	3.40	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.34	
	For Vinyl Coated, Add	3.22	
	For Powder Coated, Add	4.29	
	For Aluminum Coated, Add	6.70	
	For Curved Posts, Add	1.22	
	For Schedule 20, Deduct	-1.07	
	For Schedule 80, Add	2.72	
32 31 13 13-0096	Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0081)		
	Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0097	LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.96	2.21
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.75	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.59	
32 31 13 13-0098	LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	10.36	1.88
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.69	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.53	
32 31 13 13-0099	LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.59	1.53
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.61	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.45	
32 31 13 13-0100	LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.99	1.20
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.55	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.39	
32 31 13 13-0101	LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.57	1.02
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.51	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.35	
32 31 13 13-0102	LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	8.20	0.85
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.64	
	For Vinyl Coated, Add	3.93	
	For Powder Coated, Add	5.24	
	For Aluminum Coated, Add	8.19	
	For Curved Posts, Add	1.48	
	For Schedule 20, Deduct	-1.31	
	For Schedule 80, Add	3.31	
32 31 13 13-0103	Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0081)		
	Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0104	LF		2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	13.35	2.38
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	2.21	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.64	
32 31 13 13-0105	LF		2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	12.69	2.05
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	2.14	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.58	
32 31 13 13-0106	LF		2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	11.90	1.62
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	2.06	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.50	
32 31 13 13-0107	LF		2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	11.26	1.28
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	2.00	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.43	
32 31 13 13-0108	LF		2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	10.84	1.11
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	1.95	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.39	
32 31 13 13-0109	LF		2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	10.42	0.85
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.18	
			For Vinyl Coated, Add	5.22	
			For Powder Coated, Add	6.96	
			For Aluminum Coated, Add	10.88	
			For Curved Posts, Add	1.91	
			For Schedule 20, Deduct	-1.74	
			For Schedule 80, Add	4.35	
32 31 13 13-0110			Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0081)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0111	LF		3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	18.12	2.56
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Curved Posts, Add	3.11	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.76	
32 31 13 13-0112	LF		3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	17.42	2.21
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
			For Vinyl Coated, Add	7.81	
			For Powder Coated, Add	10.41	
			For Aluminum Coated, Add	16.26	
			For Curved Posts, Add	3.04	
			For Schedule 20, Deduct	-2.60	
			For Schedule 80, Add	6.69	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0113	LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	16.57	1.79
	For Each Top Rail Fitting, Add	1.85	
	For Each Single Barbed Wire Arm, Add	3.85	
	For Each Double Barbed Wire Arm, Add	7.05	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
	For Vinyl Coated, Add	7.81	
	For Powder Coated, Add	10.41	
	For Aluminum Coated, Add	16.26	
	For Curved Posts, Add	2.96	
	For Schedule 20, Deduct	-2.60	
	For Schedule 80, Add	6.60	
32 31 13 13-0114	LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	15.85	1.45
	For Each Top Rail Fitting, Add	1.85	
	For Each Single Barbed Wire Arm, Add	3.85	
	For Each Double Barbed Wire Arm, Add	7.05	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
	For Vinyl Coated, Add	7.81	
	For Powder Coated, Add	10.41	
	For Aluminum Coated, Add	16.26	
	For Curved Posts, Add	2.89	
	For Schedule 20, Deduct	-2.60	
	For Schedule 80, Add	6.53	
32 31 13 13-0115	LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	15.38	1.20
	For Each Top Rail Fitting, Add	1.85	
	For Each Single Barbed Wire Arm, Add	3.85	
	For Each Double Barbed Wire Arm, Add	7.05	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
	For Vinyl Coated, Add	7.81	
	For Powder Coated, Add	10.41	
	For Aluminum Coated, Add	16.26	
	For Curved Posts, Add	2.84	
	For Schedule 20, Deduct	-2.60	
	For Schedule 80, Add	6.48	
32 31 13 13-0116	LF 3" Outside Diameter Galvanized Steel Post, >24' In Length.....	14.93	0.94
	For Each Top Rail Fitting, Add	1.85	
	For Each Single Barbed Wire Arm, Add	3.85	
	For Each Double Barbed Wire Arm, Add	7.05	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	3.25	
	For Vinyl Coated, Add	7.81	
	For Powder Coated, Add	10.41	
	For Aluminum Coated, Add	16.26	
	For Curved Posts, Add	2.79	
	For Schedule 20, Deduct	-2.60	
	For Schedule 80, Add	6.44	
32 31 13 13-0117	Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0081)		
	Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0118	LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	26.52	2.73
	For Each Top Rail Fitting, Add	2.60	
	For Each Single Barbed Wire Arm, Add	5.10	
	For Each Double Barbed Wire Arm, Add	11.25	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
	For Vinyl Coated, Add	12.68	
	For Powder Coated, Add	16.91	
	For Aluminum Coated, Add	26.43	
	For Curved Posts, Add	4.77	
	For Schedule 20, Deduct	-4.23	
	For Schedule 80, Add	10.69	
32 31 13 13-0119	LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	25.62	2.21
	For Each Top Rail Fitting, Add	2.60	
	For Each Single Barbed Wire Arm, Add	5.10	
	For Each Double Barbed Wire Arm, Add	11.25	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
	For Vinyl Coated, Add	12.68	
	For Powder Coated, Add	16.91	
	For Aluminum Coated, Add	26.43	
	For Curved Posts, Add	4.68	
	For Schedule 20, Deduct	-4.23	
	For Schedule 80, Add	10.60	
32 31 13 13-0120	LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	24.88	1.88
	For Each Top Rail Fitting, Add	2.60	
	For Each Single Barbed Wire Arm, Add	5.10	
	For Each Double Barbed Wire Arm, Add	11.25	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
	For Vinyl Coated, Add	12.68	
	For Powder Coated, Add	16.91	
	For Aluminum Coated, Add	26.43	
	For Curved Posts, Add	4.60	
	For Schedule 20, Deduct	-4.23	
	For Schedule 80, Add	10.52	
32 31 13 13-0121	LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	24.14	1.53
	For Each Top Rail Fitting, Add	2.60	
	For Each Single Barbed Wire Arm, Add	5.10	
	For Each Double Barbed Wire Arm, Add	11.25	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29	
	For Vinyl Coated, Add	12.68	
	For Powder Coated, Add	16.91	
	For Aluminum Coated, Add	26.43	
	For Curved Posts, Add	4.53	
	For Schedule 20, Deduct	-4.23	
	For Schedule 80, Add	10.45	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0122	LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.13		1.53
	For Each Top Rail Fitting, Add	2.60		
	For Each Single Barbed Wire Arm, Add	5.10		
	For Each Double Barbed Wire Arm, Add	11.25		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29		
	For Vinyl Coated, Add	12.68		
	For Powder Coated, Add	16.91		
	For Aluminum Coated, Add	26.43		
	For Curved Posts, Add	4.53		
	For Schedule 20, Deduct	-4.23		
	For Schedule 80, Add	10.45		
32 31 13 13-0123	LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	23.28		1.11
	For Each Top Rail Fitting, Add	2.60		
	For Each Single Barbed Wire Arm, Add	5.10		
	For Each Double Barbed Wire Arm, Add	11.25		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	5.29		
	For Vinyl Coated, Add	12.68		
	For Powder Coated, Add	16.91		
	For Aluminum Coated, Add	26.43		
	For Curved Posts, Add	4.44		
	For Schedule 20, Deduct	-4.23		
	For Schedule 80, Add	10.36		
32 31 13 13-0124	Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) <small>(32 31 13 13-0081)</small>			
	Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.			
32 31 13 13-0125	LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	50.80		2.99
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.56		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	22.11		
32 31 13 13-0126	LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	49.83		2.47
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.47		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	22.01		
32 31 13 13-0127	LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	48.98		2.05
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.38		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	21.93		
32 31 13 13-0128	LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	48.14		1.62
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.30		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	21.85		
32 31 13 13-0129	LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	47.66		1.45
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.25		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	21.80		
32 31 13 13-0130	LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.19		1.20
	For Each Top Rail Fitting, Add	4.55		
	For Each Single Barbed Wire Arm, Add	7.15		
	For Each Double Barbed Wire Arm, Add	14.95		
	For SS40 (Hot-Dip Galvanized And Chromated), Add	11.21		
	For Vinyl Coated, Add	26.89		
	For Powder Coated, Add	35.86		
	For Aluminum Coated, Add	56.03		
	For Curved Posts, Add	9.20		
	For Schedule 20, Deduct	-8.96		
	For Schedule 80, Add	21.75		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0131	Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0081) Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0132	LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	98.49	3.32
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	19.03	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.75	
32 31 13 13-0133	LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	97.41	2.82
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	18.93	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.64	
32 31 13 13-0134	LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	96.46	2.30
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	18.83	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.55	
32 31 13 13-0135	LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	95.51	1.79
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	18.74	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.45	
32 31 13 13-0136	LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	95.00	1.53
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	18.69	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.40	
32 31 13 13-0137	LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	94.49	1.28
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	22.96	
	For Vinyl Coated, Add	55.11	
	For Powder Coated, Add	73.48	
	For Aluminum Coated, Add	114.81	
	For Curved Posts, Add	18.63	
	For Schedule 20, Deduct	-18.37	
	For Schedule 80, Add	44.35	
32 31 13 13-0138	Rails (32 31 13 13) Note: Includes rail end fittings.		
32 31 13 13-0139	SS-20 Chain Link Fence Rails (32 31 13 13-0138) Note: Includes tie wires.		
32 31 13 13-0140	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	5.03	0.94
	For SS15, Deduct	-0.31	
	For SS40, Add	0.77	
32 31 13 13-0141	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	6.06	0.94
	For SS40, Add	0.41	
	For Powder Coated, Add	0.82	
	For Aluminum Coated, Add	1.64	
32 31 13 13-0142	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	6.23	1.06
	For SS15, Deduct	-0.41	
	For SS40, Add	1.02	
32 31 13 13-0143	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	7.61	1.06
	For SS40, Add	0.55	
	For Powder Coated, Add	1.09	
	For Aluminum Coated, Add	2.19	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0144	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	.....	7.29	1.20
		<i>For SS40, Add</i>		1.23	
32 31 13 13-0145	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	.....	8.94	1.20
		<i>For SS40, Add</i>		0.66	
		<i>For Powder Coated, Add</i>		1.31	
		<i>For Aluminum Coated, Add</i>		2.62	
32 31 13 13-0146		Fabric <small>(32 31 13 13)</small>			
32 31 13 13-0147		Fabric, Galvanized Chain Link <small>(32 31 13 13-0146)</small>			
32 31 13 13-0148	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	8.67	1.70
		<i>For 1-1/4" Mesh Fabric, Add</i>		0.88	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		0.78	
		<i>For 13 Gauge Fabric, Deduct</i>		-1.41	
		<i>For 11 Gauge Fabric, Deduct</i>		-0.78	
		<i>For 6 Gauge Fabric, Add</i>		2.50	
		<i>For 1" Mesh Fabric, Add</i>		2.35	
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>		0.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-0.47	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-0.63	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		22.71	
32 31 13 13-0149	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	9.61	1.91
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.02	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		0.91	
		<i>For 13 Gauge Fabric, Deduct</i>		-1.64	
		<i>For 11 Gauge Fabric, Deduct</i>		-0.91	
		<i>For 6 Gauge Fabric, Add</i>		2.91	
		<i>For 1" Mesh Fabric, Add</i>		2.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.82	
		<i>For 1-3/4" Mesh Fabric, Add</i>		1.09	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-0.55	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-0.73	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		26.00	
32 31 13 13-0150	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	10.41	2.14
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.12	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		1.00	
		<i>For 13 Gauge Fabric, Deduct</i>		-1.80	
		<i>For 11 Gauge Fabric, Deduct</i>		-1.00	
		<i>For 6 Gauge Fabric, Add</i>		3.21	
		<i>For 1" Mesh Fabric, Add</i>		3.01	
		<i>For 1-1/4" Mesh Fabric, Add</i>		2.01	
		<i>For 1-3/4" Mesh Fabric, Add</i>		1.20	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-0.60	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-0.80	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		29.32	
32 31 13 13-0151	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	11.82	2.56
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.40	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		1.25	
		<i>For 13 Gauge Fabric, Deduct</i>		-2.25	
		<i>For 11 Gauge Fabric, Deduct</i>		-1.25	
		<i>For 6 Gauge Fabric, Add</i>		4.00	
		<i>For 1" Mesh Fabric, Add</i>		3.75	
		<i>For 1-1/4" Mesh Fabric, Add</i>		2.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>		1.50	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-0.75	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-1.00	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		35.45	
32 31 13 13-0152	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	13.30	2.99
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.68	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		1.50	
		<i>For 13 Gauge Fabric, Deduct</i>		-2.70	
		<i>For 11 Gauge Fabric, Deduct</i>		-1.50	
		<i>For 6 Gauge Fabric, Add</i>		4.80	
		<i>For 1" Mesh Fabric, Add</i>		4.50	
		<i>For 1-1/4" Mesh Fabric, Add</i>		3.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>		1.80	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-0.90	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-1.20	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		41.65	
32 31 13 13-0153	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	.....	14.86	3.41
		<i>For 1-1/4" Mesh Fabric, Add</i>		1.96	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>		1.75	
		<i>For 13 Gauge Fabric, Deduct</i>		-3.15	
		<i>For 11 Gauge Fabric, Deduct</i>		-1.75	
		<i>For 6 Gauge Fabric, Add</i>		5.59	
		<i>For 1" Mesh Fabric, Add</i>		5.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>		3.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>		2.10	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>		-1.05	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>		-1.40	
		<i>For 3/8" Non-Climbable Mesh, Add</i>		47.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0154	LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.52	4.26
	<i>For 1-1/4" Mesh Fabric, Add</i>	2.24	
	<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	2.00	
	<i>For 13 Gauge Fabric, Deduct</i>	-3.60	
	<i>For 11 Gauge Fabric, Deduct</i>	-2.00	
	<i>For 6 Gauge Fabric, Add</i>	6.40	
	<i>For 1" Mesh Fabric, Add</i>	6.00	
	<i>For 1-1/4" Mesh Fabric, Add</i>	4.00	
	<i>For 1-3/4" Mesh Fabric, Add</i>	2.40	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.20	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.60	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	54.33	
32 31 13 13-0155	LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.80	4.69
	<i>For 1-1/4" Mesh Fabric, Add</i>	2.91	
	<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	2.60	
	<i>For 13 Gauge Fabric, Deduct</i>	-4.68	
	<i>For 11 Gauge Fabric, Deduct</i>	-2.60	
	<i>For 6 Gauge Fabric, Add</i>	8.31	
	<i>For 1" Mesh Fabric, Add</i>	7.79	
	<i>For 1-1/4" Mesh Fabric, Add</i>	5.20	
	<i>For 1-3/4" Mesh Fabric, Add</i>	3.12	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.56	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.08	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	65.58	
32 31 13 13-0156	LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.68	5.11
	<i>For 1-1/4" Mesh Fabric, Add</i>	3.49	
	<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.11	
	<i>For 13 Gauge Fabric, Deduct</i>	-5.60	
	<i>For 11 Gauge Fabric, Deduct</i>	-3.11	
	<i>For 6 Gauge Fabric, Add</i>	9.96	
	<i>For 1" Mesh Fabric, Add</i>	9.34	
	<i>For 1-1/4" Mesh Fabric, Add</i>	6.23	
	<i>For 1-3/4" Mesh Fabric, Add</i>	3.74	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.87	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.49	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	71.12	
32 31 13 13-0157	LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	25.31	5.97
	<i>For 1-1/4" Mesh Fabric, Add</i>	3.75	
	<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.35	
	<i>For 13 Gauge Fabric, Deduct</i>	-6.02	
	<i>For 11 Gauge Fabric, Deduct</i>	-3.35	
	<i>For 6 Gauge Fabric, Add</i>	10.70	
	<i>For 1" Mesh Fabric, Add</i>	10.04	
	<i>For 1-1/4" Mesh Fabric, Add</i>	6.69	
	<i>For 1-3/4" Mesh Fabric, Add</i>	4.01	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.01	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.68	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	77.56	
32 31 13 13-0158	LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	27.93	6.82
	<i>For 1-1/4" Mesh Fabric, Add</i>	4.00	
	<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.58	
	<i>For 13 Gauge Fabric, Deduct</i>	-6.44	
	<i>For 11 Gauge Fabric, Deduct</i>	-3.58	
	<i>For 6 Gauge Fabric, Add</i>	11.44	
	<i>For 1" Mesh Fabric, Add</i>	10.73	
	<i>For 1-1/4" Mesh Fabric, Add</i>	7.15	
	<i>For 1-3/4" Mesh Fabric, Add</i>	4.29	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.15	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.86	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	83.99	
32 31 13 13-0159	Fabric, Vinyl Coated Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0160	LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	11.68	1.70
	<i>For 1-1/4" Mesh Fabric, Add</i>	1.48	
	<i>For 13 Gauge Fabric, Deduct</i>	-2.38	
	<i>For 11 Gauge Fabric, Deduct</i>	-1.32	
	<i>For 6 Gauge Fabric, Add</i>	4.22	
	<i>For 1" Mesh Fabric, Add</i>	3.96	
	<i>For 1-1/4" Mesh Fabric, Add</i>	2.64	
	<i>For 1-3/4" Mesh Fabric, Add</i>	1.58	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.79	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.06	
	<i>For Aluminum Coated, Add</i>	2.11	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	32.76	
32 31 13 13-0161	LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	13.42	2.56
	<i>For 1-1/4" Mesh Fabric, Add</i>	1.85	
	<i>For 13 Gauge Fabric, Deduct</i>	-2.97	
	<i>For 11 Gauge Fabric, Deduct</i>	-1.65	
	<i>For 6 Gauge Fabric, Add</i>	5.28	
	<i>For 1" Mesh Fabric, Add</i>	4.95	
	<i>For 1-1/4" Mesh Fabric, Add</i>	3.30	
	<i>For 1-3/4" Mesh Fabric, Add</i>	1.98	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.99	
	<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.32	
	<i>For Aluminum Coated, Add</i>	2.64	
	<i>For 3/8" Non-Climbable Mesh, Add</i>	39.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0162	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.55	2.99
			For 1-1/4" Mesh Fabric, Add	2.59	
			For 13 Gauge Fabric, Deduct	-4.16	
			For 11 Gauge Fabric, Deduct	-2.31	
			For 6 Gauge Fabric, Add	7.40	
			For 1" Mesh Fabric, Add	6.94	
			For 1-1/4" Mesh Fabric, Add	4.63	
			For 1-3/4" Mesh Fabric, Add	2.78	
			For 2-1/8" Mesh Fabric, Deduct	-1.39	
			For 2-3/8" Mesh Fabric, Deduct	-1.85	
			For Aluminum Coated, Add	3.70	
			For 3/8" Non-Climbable Mesh, Add	46.80	
32 31	13 13-0163	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.64	3.41
			For 1-1/4" Mesh Fabric, Add	3.02	
			For 13 Gauge Fabric, Deduct	-4.85	
			For 11 Gauge Fabric, Deduct	-2.69	
			For 6 Gauge Fabric, Add	8.62	
			For 1" Mesh Fabric, Add	8.08	
			For 1-1/4" Mesh Fabric, Add	5.39	
			For 1-3/4" Mesh Fabric, Add	3.23	
			For 2-1/8" Mesh Fabric, Deduct	-1.62	
			For 2-3/8" Mesh Fabric, Deduct	-2.15	
			For Aluminum Coated, Add	4.31	
			For 3/8" Non-Climbable Mesh, Add	53.96	
32 31	13 13-0164	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.92	4.26
			For 1-1/4" Mesh Fabric, Add	3.47	
			For 13 Gauge Fabric, Deduct	-5.58	
			For 11 Gauge Fabric, Deduct	-3.10	
			For 6 Gauge Fabric, Add	9.92	
			For 1" Mesh Fabric, Add	9.30	
			For 1-1/4" Mesh Fabric, Add	6.20	
			For 1-3/4" Mesh Fabric, Add	3.72	
			For 2-1/8" Mesh Fabric, Deduct	-1.86	
			For 2-3/8" Mesh Fabric, Deduct	-2.48	
			For Aluminum Coated, Add	4.96	
			For 3/8" Non-Climbable Mesh, Add	61.20	
32 31	13 13-0165	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.85	4.69
			For 1-1/4" Mesh Fabric, Add	4.32	
			For 13 Gauge Fabric, Deduct	-6.95	
			For 11 Gauge Fabric, Deduct	-3.86	
			For 6 Gauge Fabric, Add	12.35	
			For 1" Mesh Fabric, Add	11.58	
			For 1-1/4" Mesh Fabric, Add	7.72	
			For 1-3/4" Mesh Fabric, Add	4.63	
			For 2-1/8" Mesh Fabric, Deduct	-2.32	
			For 2-3/8" Mesh Fabric, Deduct	-3.09	
			For Aluminum Coated, Add	6.18	
			For 3/8" Non-Climbable Mesh, Add	74.00	
32 31	13 13-0166	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.12	5.11
			For 1-1/4" Mesh Fabric, Add	4.73	
			For 13 Gauge Fabric, Deduct	-7.60	
			For 11 Gauge Fabric, Deduct	-4.22	
			For 6 Gauge Fabric, Add	13.51	
			For 1" Mesh Fabric, Add	12.67	
			For 1-1/4" Mesh Fabric, Add	8.45	
			For 1-3/4" Mesh Fabric, Add	5.07	
			For 2-1/8" Mesh Fabric, Deduct	-2.53	
			For 2-3/8" Mesh Fabric, Deduct	-3.38	
			For Aluminum Coated, Add	6.76	
			For 3/8" Non-Climbable Mesh, Add	80.25	
32 31	13 13-0167	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.52	5.97
			For 1-1/4" Mesh Fabric, Add	5.21	
			For 13 Gauge Fabric, Deduct	-8.37	
			For 11 Gauge Fabric, Deduct	-4.65	
			For 6 Gauge Fabric, Add	14.87	
			For 1" Mesh Fabric, Add	13.94	
			For 1-1/4" Mesh Fabric, Add	9.30	
			For 1-3/4" Mesh Fabric, Add	5.58	
			For 2-1/8" Mesh Fabric, Deduct	-2.79	
			For 2-3/8" Mesh Fabric, Deduct	-3.72	
			For Aluminum Coated, Add	7.44	
			For 3/8" Non-Climbable Mesh, Add	87.40	
32 31	13 13-0168	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.00	6.82
			For 1-1/4" Mesh Fabric, Add	5.70	
			For 13 Gauge Fabric, Deduct	-9.17	
			For 11 Gauge Fabric, Deduct	-5.09	
			For 6 Gauge Fabric, Add	16.30	
			For 1" Mesh Fabric, Add	15.28	
			For 1-1/4" Mesh Fabric, Add	10.19	
			For 1-3/4" Mesh Fabric, Add	6.11	
			For 2-1/8" Mesh Fabric, Deduct	-3.06	
			For 2-3/8" Mesh Fabric, Deduct	-4.07	
			For Aluminum Coated, Add	8.15	
			For 3/8" Non-Climbable Mesh, Add	94.55	
32 31	13 13-0169		Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0146)</small>		
	32 31 13 13-0170	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.64	1.70
			For 6 Gauge Fabric, Add	2.48	
			For 1" Mesh Fabric, Add	3.26	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0171	LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.57 2.88 3.78	1.91
32 31 13 13-0172	LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.53 3.30 4.34	2.14
32 31 13 13-0173	LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.97 4.12 5.41	2.56
32 31 13 13-0174	LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.46 4.93 6.47	2.99
32 31 13 13-0175	LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.08 5.77 7.57	3.41
32 31 13 13-0176	LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.75 6.58 8.64	4.26
32 31 13 13-0177	LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.70 8.23 10.80	4.69
32 31 13 13-0178	LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.57 9.87 12.96	5.11
32 31 13 13-0179	Fabric, All Aluminum Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0180	LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.65 6.49 8.52	1.70
32 31 13 13-0181	LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.43 7.57 9.93	1.91
32 31 13 13-0182	LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.21 8.65 11.35	2.14
32 31 13 13-0183	LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.33 10.81 14.19	2.56
32 31 13 13-0184	LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.51 12.97 17.02	2.99
32 31 13 13-0185	LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	26.79 15.14 19.87	3.41
32 31 13 13-0186	LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.14 17.30 22.70	4.26
32 31 13 13-0187	LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	36.43 21.62 28.37	4.69
32 31 13 13-0188	LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	42.66 25.94 34.05	5.11
32 31 13 13-0189	Fence Inserts <small>(32 31 13 13-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0190	Vinyl Plastic Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0191	LF 3' High Fence, Vinyl Plastic Fence Insert.....	7.06	
32 31 13 13-0192	LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	8.08	
32 31 13 13-0193	LF 4' High Fence, Vinyl Plastic Fence Insert.....	8.91	
32 31 13 13-0194	LF 5' High Fence, Vinyl Plastic Fence Insert.....	11.17	
32 31 13 13-0195	LF 6' High Fence, Vinyl Plastic Fence Insert.....	13.36	
32 31 13 13-0196	LF 7' High Fence, Vinyl Plastic Fence Insert.....	15.63	
32 31 13 13-0197	LF 8' High Fence, Vinyl Plastic Fence Insert.....	17.82	
32 31 13 13-0198	LF 10' High Fence, Vinyl Plastic Fence Insert.....	21.52	
32 31 13 13-0199	Aluminum Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0200	LF 3' High Fence, Aluminum Fence Insert.....	20.74	
32 31 13 13-0201	LF 3-1/2' High Fence, Aluminum Fence Insert.....	22.79	
32 31 13 13-0202	LF 4' High Fence, Aluminum Fence Insert.....	26.09	
32 31 13 13-0203	LF 5' High Fence, Aluminum Fence Insert.....	32.67	
32 31 13 13-0204	LF 6' High Fence, Aluminum Fence Insert.....	39.20	
32 31 13 13-0205	LF 7' High Fence, Aluminum Fence Insert.....	42.81	
32 31 13 13-0206	LF 8' High Fence, Aluminum Fence Insert.....	52.24	
32 31 13 13-0207	LF 10' High Fence, Aluminum Fence Insert.....	64.69	
32 31 13 13-0208	Redwood Fence Inserts <small>(32 31 13 13-0189)</small>		
32 31 13 13-0209	LF 4' High Fence, Redwood Fence Insert.....	12.04	
32 31 13 13-0210	LF 5' High Fence, Redwood Fence Insert.....	15.22	
32 31 13 13-0211	LF 6' High Fence, Redwood Fence Insert.....	18.28	
32 31 13 13-0212	LF 7' High Fence, Redwood Fence Insert.....	21.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0213 LF 8' High Fence, Redwood Fence Insert.....	24.35	
32 31 13 13-0214 Diagonal Flexible Polyethylene Inserts (32 31 13 13-0189)		
32 31 13 13-0215 SF Diagonal Polyethylene Fence Weave.....	2.82	
32 31 13 13-0216 Hedge Link Fence Inserts (32 31 13 13-0189)		
32 31 13 13-0217 LF 3' High Fence, Hedge Link Fence Insert.....	14.87	
32 31 13 13-0218 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	16.94	
32 31 13 13-0219 LF 4' High Fence, Hedge Link Fence Insert.....	19.91	
32 31 13 13-0220 LF 5' High Fence, Hedge Link Fence Insert.....	24.58	
32 31 13 13-0221 LF 6' High Fence, Hedge Link Fence Insert.....	28.17	
32 31 13 13-0222 LF 7' High Fence, Hedge Link Fence Insert.....	35.47	
32 31 13 13-0223 LF 8' High Fence, Hedge Link Fence Insert.....	40.29	
32 31 13 13-0224 LF 10' High Fence, Hedge Link Fence Insert.....	48.09	
32 31 13 13-0225 LF 12' High Fence, Hedge Link Fence Insert.....	55.15	
32 31 13 13-0226 Fence Windscreen Fabric (32 31 13 13-0146)		
Note: Includes plastic wire clips.		
32 31 13 13-0227 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.23	0.45
For Sewn Boxed Vent (Each), Add	19.42	
For Welded Boxed Vent (Each), Add	9.71	
For 4' x 4' One Color Logo (Each), Add	404.52	
32 31 13 13-0228 Gates (32 31 13 13)		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0229 Galvanized Steel Without Barbed Wire (32 31 13 13-0228)		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0230 4' Fence Height (32 31 13 13-0229)		
32 31 13 13-0231 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	309.09	19.29
For Gate With Single Barb Wire Arm, Add	27.37	
For Gate With Double Barb Wire Arm, Add	39.81	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.66	
For Aluminized Steel Gate And Post, Add	119.44	
For Powder Coated Gate And Post, Add	64.70	
For 1" Mesh Fabric, Add	108.24	
For 1-1/4" Mesh Fabric, Add	69.67	
For 1-3/4" Mesh Fabric, Add	43.30	
For 2-1/8" Mesh Fabric, Deduct	-21.65	
32 31 13 13-0232 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	392.03	20.09
For Gate With Single Barb Wire Arm, Add	36.49	
For Gate With Double Barb Wire Arm, Add	53.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.21	
For Aluminized Steel Gate And Post, Add	159.25	
For Powder Coated Gate And Post, Add	86.26	
For 1" Mesh Fabric, Add	144.32	
For 1-1/4" Mesh Fabric, Add	92.90	
For 1-3/4" Mesh Fabric, Add	57.73	
For 2-1/8" Mesh Fabric, Deduct	-28.86	
32 31 13 13-0233 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	464.83	21.37
For Gate With Single Barb Wire Arm, Add	44.06	
For Gate With Double Barb Wire Arm, Add	64.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.10	
For Aluminized Steel Gate And Post, Add	192.26	
For Powder Coated Gate And Post, Add	104.14	
For 1" Mesh Fabric, Add	174.24	
For 1-1/4" Mesh Fabric, Add	112.15	
For 1-3/4" Mesh Fabric, Add	69.70	
For 2-1/8" Mesh Fabric, Deduct	-34.85	
32 31 13 13-0234 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	546.48	25.71
For Gate With Single Barb Wire Arm, Add	51.63	
For Gate With Double Barb Wire Arm, Add	75.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.00	
For Aluminized Steel Gate And Post, Add	225.28	
For Powder Coated Gate And Post, Add	122.03	
For 1" Mesh Fabric, Add	204.16	
For 1-1/4" Mesh Fabric, Add	131.42	
For 1-3/4" Mesh Fabric, Add	81.67	
For 2-1/8" Mesh Fabric, Deduct	-40.83	
32 31 13 13-0235 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	628.12	29.97
For Gate With Single Barb Wire Arm, Add	59.19	
For Gate With Double Barb Wire Arm, Add	86.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.90	
For Aluminized Steel Gate And Post, Add	258.30	
For Powder Coated Gate And Post, Add	139.91	
For 1" Mesh Fabric, Add	234.08	
For 1-1/4" Mesh Fabric, Add	150.67	
For 1-3/4" Mesh Fabric, Add	93.63	
For 2-1/8" Mesh Fabric, Deduct	-46.82	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0236	EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	712.57	34.22
	For Gate With Single Barb Wire Arm, Add	67.07	
	For Gate With Double Barb Wire Arm, Add	97.56	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.32	
	For Aluminized Steel Gate And Post, Add	292.67	
	For Powder Coated Gate And Post, Add	158.53	
	For 1" Mesh Fabric, Add	265.23	
	For 1-1/4" Mesh Fabric, Add	170.72	
	For 1-3/4" Mesh Fabric, Add	106.09	
	For 2-1/8" Mesh Fabric, Deduct	-53.05	
32 31 13 13-0237	EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	794.20	38.56
	For Gate With Single Barb Wire Arm, Add	74.64	
	For Gate With Double Barb Wire Arm, Add	108.56	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.22	
	For Aluminized Steel Gate And Post, Add	325.68	
	For Powder Coated Gate And Post, Add	176.41	
	For 1" Mesh Fabric, Add	295.15	
	For 1-1/4" Mesh Fabric, Add	189.98	
	For 1-3/4" Mesh Fabric, Add	118.06	
	For 2-1/8" Mesh Fabric, Deduct	-59.03	
32 31 13 13-0238	EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	877.05	42.82
	For Gate With Single Barb Wire Arm, Add	82.34	
	For Gate With Double Barb Wire Arm, Add	119.76	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-140.35	
	For Aluminized Steel Gate And Post, Add	359.28	
	For Powder Coated Gate And Post, Add	194.61	
	For 1" Mesh Fabric, Add	325.60	
	For 1-1/4" Mesh Fabric, Add	209.58	
	For 1-3/4" Mesh Fabric, Add	130.24	
	For 2-1/8" Mesh Fabric, Deduct	-65.12	
32 31 13 13-0239	EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,123.87	42.82
	For Gate With Single Barb Wire Arm, Add	109.49	
	For Gate With Double Barb Wire Arm, Add	159.25	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.62	
	For Aluminized Steel Gate And Post, Add	477.75	
	For Powder Coated Gate And Post, Add	258.78	
	For 1" Mesh Fabric, Add	432.96	
	For 1-1/4" Mesh Fabric, Add	278.69	
	For 1-3/4" Mesh Fabric, Add	173.19	
	For 2-1/8" Mesh Fabric, Deduct	-86.59	
32 31 13 13-0240	EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,332.12	45.87
	For Gate With Single Barb Wire Arm, Add	131.38	
	For Gate With Double Barb Wire Arm, Add	191.10	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.95	
	For Aluminized Steel Gate And Post, Add	573.30	
	For Powder Coated Gate And Post, Add	310.54	
	For 1" Mesh Fabric, Add	519.56	
	For 1-1/4" Mesh Fabric, Add	334.43	
	For 1-3/4" Mesh Fabric, Add	207.82	
	For 2-1/8" Mesh Fabric, Deduct	-103.91	
32 31 13 13-0241	EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,541.77	49.41
	For Gate With Single Barb Wire Arm, Add	153.28	
	For Gate With Double Barb Wire Arm, Add	222.95	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-261.27	
	For Aluminized Steel Gate And Post, Add	668.85	
	For Powder Coated Gate And Post, Add	362.29	
	For 1" Mesh Fabric, Add	606.15	
	For 1-1/4" Mesh Fabric, Add	390.16	
	For 1-3/4" Mesh Fabric, Add	242.46	
	For 2-1/8" Mesh Fabric, Deduct	-121.23	
32 31 13 13-0242	EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,753.19	53.51
	For Gate With Single Barb Wire Arm, Add	175.18	
	For Gate With Double Barb Wire Arm, Add	254.80	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.60	
	For Aluminized Steel Gate And Post, Add	764.40	
	For Powder Coated Gate And Post, Add	414.05	
	For 1" Mesh Fabric, Add	692.74	
	For 1-1/4" Mesh Fabric, Add	445.90	
	For 1-3/4" Mesh Fabric, Add	277.10	
	For 2-1/8" Mesh Fabric, Deduct	-138.55	
32 31 13 13-0243	EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	1,988.65	65.59
	For Gate With Single Barb Wire Arm, Add	197.07	
	For Gate With Double Barb Wire Arm, Add	286.65	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-335.92	
	For Aluminized Steel Gate And Post, Add	859.95	
	For Powder Coated Gate And Post, Add	465.81	
	For 1" Mesh Fabric, Add	779.33	
	For 1-1/4" Mesh Fabric, Add	501.64	
	For 1-3/4" Mesh Fabric, Add	311.73	
	For 2-1/8" Mesh Fabric, Deduct	-155.87	
32 31 13 13-0244	EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire.....	2,201.79	70.31
	For Gate With Single Barb Wire Arm, Add	218.97	
	For Gate With Double Barb Wire Arm, Add	318.50	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-373.24	
	For Aluminized Steel Gate And Post, Add	955.50	
	For Powder Coated Gate And Post, Add	517.56	
	For 1" Mesh Fabric, Add	865.92	
	For 1-1/4" Mesh Fabric, Add	557.38	
	For 1-3/4" Mesh Fabric, Add	346.37	
	For 2-1/8" Mesh Fabric, Deduct	-173.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0245	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,412.25	75.75
			For Gate With Single Barb Wire Arm, Add	240.33	
			For Gate With Double Barb Wire Arm, Add	349.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-409.66	
			For Aluminized Steel Gate And Post, Add	1,048.72	
			For Powder Coated Gate And Post, Add	568.06	
			For 1" Mesh Fabric, Add	950.41	
			For 1-1/4" Mesh Fabric, Add	611.76	
			For 1-3/4" Mesh Fabric, Add	380.16	
			For 2-1/8" Mesh Fabric, Deduct	-190.08	
32 31 13	13-0246	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,625.41	82.04
			For Gate With Single Barb Wire Arm, Add	261.70	
			For Gate With Double Barb Wire Arm, Add	380.65	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-446.07	
			For Aluminized Steel Gate And Post, Add	1,141.94	
			For Powder Coated Gate And Post, Add	618.55	
			For 1" Mesh Fabric, Add	1,034.89	
			For 1-1/4" Mesh Fabric, Add	666.13	
			For 1-3/4" Mesh Fabric, Add	413.95	
			For 2-1/8" Mesh Fabric, Deduct	-206.98	
32 31 13	13-0247	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,842.01	89.52
			For Gate With Single Barb Wire Arm, Add	283.06	
			For Gate With Double Barb Wire Arm, Add	411.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-482.49	
			For Aluminized Steel Gate And Post, Add	1,235.16	
			For Powder Coated Gate And Post, Add	669.05	
			For 1" Mesh Fabric, Add	1,119.37	
			For 1-1/4" Mesh Fabric, Add	720.51	
			For 1-3/4" Mesh Fabric, Add	447.75	
			For 2-1/8" Mesh Fabric, Deduct	-223.87	
32 31 13	13-0248	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,990.27	98.48
			For Gate With Single Barb Wire Arm, Add	296.41	
			For Gate With Double Barb Wire Arm, Add	431.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-505.25	
			For Aluminized Steel Gate And Post, Add	1,293.43	
			For Powder Coated Gate And Post, Add	700.61	
			For 1" Mesh Fabric, Add	1,172.17	
			For 1-1/4" Mesh Fabric, Add	754.50	
			For 1-3/4" Mesh Fabric, Add	468.87	
			For 2-1/8" Mesh Fabric, Deduct	-234.43	
32 31 13	13-0249	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,314.43	109.38
			For Gate With Single Barb Wire Arm, Add	328.45	
			For Gate With Double Barb Wire Arm, Add	477.75	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-559.87	
			For Aluminized Steel Gate And Post, Add	1,433.26	
			For Powder Coated Gate And Post, Add	776.35	
			For 1" Mesh Fabric, Add	1,298.89	
			For 1-1/4" Mesh Fabric, Add	836.07	
			For 1-3/4" Mesh Fabric, Add	519.56	
			For 2-1/8" Mesh Fabric, Deduct	-259.78	
32 31 13 13-0250		5' Fence Height <small>(32 31 13 13-0229)</small>			
32 31 13	13-0251	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	371.78	21.37
			For Gate With Single Barb Wire Arm, Add	33.83	
			For Gate With Double Barb Wire Arm, Add	49.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.66	
			For Aluminized Steel Gate And Post, Add	147.60	
			For Powder Coated Gate And Post, Add	79.95	
			For 1" Mesh Fabric, Add	133.76	
			For 1-1/4" Mesh Fabric, Add	86.10	
			For 1-3/4" Mesh Fabric, Add	53.51	
			For 2-1/8" Mesh Fabric, Deduct	-26.75	
32 31 13	13-0252	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	472.93	21.37
			For Gate With Single Barb Wire Arm, Add	44.95	
			For Gate With Double Barb Wire Arm, Add	65.38	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.62	
			For Aluminized Steel Gate And Post, Add	196.15	
			For Powder Coated Gate And Post, Add	106.25	
			For 1" Mesh Fabric, Add	177.76	
			For 1-1/4" Mesh Fabric, Add	114.42	
			For 1-3/4" Mesh Fabric, Add	71.11	
			For 2-1/8" Mesh Fabric, Deduct	-35.55	
32 31 13	13-0253	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	553.82	22.73
			For Gate With Single Barb Wire Arm, Add	53.41	
			For Gate With Double Barb Wire Arm, Add	77.68	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-91.04	
			For Aluminized Steel Gate And Post, Add	233.05	
			For Powder Coated Gate And Post, Add	126.24	
			For 1" Mesh Fabric, Add	211.20	
			For 1-1/4" Mesh Fabric, Add	135.95	
			For 1-3/4" Mesh Fabric, Add	84.48	
			For 2-1/8" Mesh Fabric, Deduct	-42.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

32 31 13 13-0254	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	648.40	27.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	62.31	
		<i>For Gate With Double Barb Wire Arm, Add</i>	90.63	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.21	
		<i>For Aluminized Steel Gate And Post, Add</i>	271.89	
		<i>For Powder Coated Gate And Post, Add</i>	147.27	
		<i>For 1" Mesh Fabric, Add</i>	246.40	
		<i>For 1-1/4" Mesh Fabric, Add</i>	158.60	
		<i>For 1-3/4" Mesh Fabric, Add</i>	98.56	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-49.28	
32 31 13 13-0255	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	734.88	31.81
		<i>For Gate With Single Barb Wire Arm, Add</i>	70.32	
		<i>For Gate With Double Barb Wire Arm, Add</i>	102.28	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-119.86	
		<i>For Aluminized Steel Gate And Post, Add</i>	306.85	
		<i>For Powder Coated Gate And Post, Add</i>	166.21	
		<i>For 1" Mesh Fabric, Add</i>	278.08	
		<i>For 1-1/4" Mesh Fabric, Add</i>	179.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	111.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-55.62	
32 31 13 13-0256	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	830.26	36.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	79.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	115.23	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-135.04	
		<i>For Aluminized Steel Gate And Post, Add</i>	345.69	
		<i>For Powder Coated Gate And Post, Add</i>	187.25	
		<i>For 1" Mesh Fabric, Add</i>	313.28	
		<i>For 1-1/4" Mesh Fabric, Add</i>	201.65	
		<i>For 1-3/4" Mesh Fabric, Add</i>	125.31	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-62.66	
32 31 13 13-0257	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	920.78	41.22
		<i>For Gate With Single Barb Wire Arm, Add</i>	87.68	
		<i>For Gate With Double Barb Wire Arm, Add</i>	127.53	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-149.45	
		<i>For Aluminized Steel Gate And Post, Add</i>	382.59	
		<i>For Powder Coated Gate And Post, Add</i>	207.24	
		<i>For 1" Mesh Fabric, Add</i>	346.72	
		<i>For 1-1/4" Mesh Fabric, Add</i>	223.18	
		<i>For 1-3/4" Mesh Fabric, Add</i>	138.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-69.34	
32 31 13 13-0258	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	1,011.33	45.71
		<i>For Gate With Single Barb Wire Arm, Add</i>	96.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	139.83	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-163.86	
		<i>For Aluminized Steel Gate And Post, Add</i>	419.49	
		<i>For Powder Coated Gate And Post, Add</i>	227.22	
		<i>For 1" Mesh Fabric, Add</i>	380.16	
		<i>For 1-1/4" Mesh Fabric, Add</i>	244.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	152.07	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.03	
32 31 13 13-0259	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,370.96	45.87
		<i>For Gate With Single Barb Wire Arm, Add</i>	135.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	197.32	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-231.23	
		<i>For Aluminized Steel Gate And Post, Add</i>	591.95	
		<i>For Powder Coated Gate And Post, Add</i>	320.64	
		<i>For 1" Mesh Fabric, Add</i>	536.45	
		<i>For 1-1/4" Mesh Fabric, Add</i>	345.30	
		<i>For 1-3/4" Mesh Fabric, Add</i>	214.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-107.29	
32 31 13 13-0260	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,629.17	49.41
		<i>For Gate With Single Barb Wire Arm, Add</i>	162.89	
		<i>For Gate With Double Barb Wire Arm, Add</i>	236.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-277.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	710.80	
		<i>For Powder Coated Gate And Post, Add</i>	385.02	
		<i>For 1" Mesh Fabric, Add</i>	644.17	
		<i>For 1-1/4" Mesh Fabric, Add</i>	414.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	257.67	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-128.83	
32 31 13 13-0261	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,889.13	53.51
		<i>For Gate With Single Barb Wire Arm, Add</i>	190.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	276.55	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-324.08	
		<i>For Aluminized Steel Gate And Post, Add</i>	829.66	
		<i>For Powder Coated Gate And Post, Add</i>	449.40	
		<i>For 1" Mesh Fabric, Add</i>	751.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	483.97	
		<i>For 1-3/4" Mesh Fabric, Add</i>	300.75	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-150.38	
32 31 13 13-0262	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,173.15	65.59
		<i>For Gate With Single Barb Wire Arm, Add</i>	217.37	
		<i>For Gate With Double Barb Wire Arm, Add</i>	316.17	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-370.51	
		<i>For Aluminized Steel Gate And Post, Add</i>	948.51	
		<i>For Powder Coated Gate And Post, Add</i>	513.78	
		<i>For 1" Mesh Fabric, Add</i>	859.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	553.30	
		<i>For 1-3/4" Mesh Fabric, Add</i>	343.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-171.92	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0263	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,429.99	70.31
		For Gate With Single Barb Wire Arm, Add	244.07	
		For Gate With Double Barb Wire Arm, Add	355.01	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-416.03	
		For Aluminized Steel Gate And Post, Add	1,065.04	
		For Powder Coated Gate And Post, Add	576.90	
		For 1" Mesh Fabric, Add	965.19	
		For 1-1/4" Mesh Fabric, Add	621.27	
		For 1-3/4" Mesh Fabric, Add	386.08	
		For 2-1/8" Mesh Fabric, Deduct	-193.04	
32 31 13 13-0264	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,698.71	75.75
		For Gate With Single Barb Wire Arm, Add	271.84	
		For Gate With Double Barb Wire Arm, Add	395.41	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-463.37	
		For Aluminized Steel Gate And Post, Add	1,186.22	
		For Powder Coated Gate And Post, Add	642.54	
		For 1" Mesh Fabric, Add	1,075.02	
		For 1-1/4" Mesh Fabric, Add	691.96	
		For 1-3/4" Mesh Fabric, Add	430.01	
		For 2-1/8" Mesh Fabric, Deduct	-215.00	
32 31 13 13-0265	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,965.27	82.04
		For Gate With Single Barb Wire Arm, Add	299.08	
		For Gate With Double Barb Wire Arm, Add	435.03	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-509.80	
		For Aluminized Steel Gate And Post, Add	1,305.08	
		For Powder Coated Gate And Post, Add	706.92	
		For 1" Mesh Fabric, Add	1,182.73	
		For 1-1/4" Mesh Fabric, Add	761.29	
		For 1-3/4" Mesh Fabric, Add	473.09	
		For 2-1/8" Mesh Fabric, Deduct	-236.55	
32 31 13 13-0266	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,230.42	89.52
		For Gate With Single Barb Wire Arm, Add	325.78	
		For Gate With Double Barb Wire Arm, Add	473.87	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-555.31	
		For Aluminized Steel Gate And Post, Add	1,421.60	
		For Powder Coated Gate And Post, Add	770.03	
		For 1" Mesh Fabric, Add	1,288.33	
		For 1-1/4" Mesh Fabric, Add	829.27	
		For 1-3/4" Mesh Fabric, Add	515.33	
		For 2-1/8" Mesh Fabric, Deduct	-257.67	
32 31 13 13-0267	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,509.77	98.48
		For Gate With Single Barb Wire Arm, Add	353.56	
		For Gate With Double Barb Wire Arm, Add	514.26	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-602.65	
		For Aluminized Steel Gate And Post, Add	1,542.79	
		For Powder Coated Gate And Post, Add	835.68	
		For 1" Mesh Fabric, Add	1,398.15	
		For 1-1/4" Mesh Fabric, Add	899.96	
		For 1-3/4" Mesh Fabric, Add	559.26	
		For 2-1/8" Mesh Fabric, Deduct	-279.63	
32 31 13 13-0268	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,787.18	109.38
		For Gate With Single Barb Wire Arm, Add	380.46	
		For Gate With Double Barb Wire Arm, Add	553.39	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-648.51	
		For Aluminized Steel Gate And Post, Add	1,660.18	
		For Powder Coated Gate And Post, Add	899.26	
		For 1" Mesh Fabric, Add	1,504.53	
		For 1-1/4" Mesh Fabric, Add	968.44	
		For 1-3/4" Mesh Fabric, Add	601.81	
		For 2-1/8" Mesh Fabric, Deduct	-300.91	
32 31 13 13-0269	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,069.20	123.06
		For Gate With Single Barb Wire Arm, Add	406.96	
		For Gate With Double Barb Wire Arm, Add	591.95	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-693.69	
		For Aluminized Steel Gate And Post, Add	1,775.84	
		For Powder Coated Gate And Post, Add	961.91	
		For 1" Mesh Fabric, Add	1,609.35	
		For 1-1/4" Mesh Fabric, Add	1,035.90	
		For 1-3/4" Mesh Fabric, Add	643.74	
		For 2-1/8" Mesh Fabric, Deduct	-321.87	
32 31 13 13-0270		6' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0271	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	398.61	22.90
		For Gate With Single Barb Wire Arm, Add	36.27	
		For Gate With Double Barb Wire Arm, Add	52.76	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.83	
		For Aluminized Steel Gate And Post, Add	158.28	
		For Powder Coated Gate And Post, Add	85.74	
		For 1" Mesh Fabric, Add	143.44	
		For 1-1/4" Mesh Fabric, Add	92.33	
		For 1-3/4" Mesh Fabric, Add	57.38	
		For 2-1/8" Mesh Fabric, Deduct	-28.69	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0272	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	507.85	22.90
		For Gate With Single Barb Wire Arm, Add	48.29	
		For Gate With Double Barb Wire Arm, Add	70.24	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.31	
		For Aluminized Steel Gate And Post, Add	210.72	
		For Powder Coated Gate And Post, Add	114.14	
		For 1" Mesh Fabric, Add	190.96	
		For 1-1/4" Mesh Fabric, Add	122.92	
		For 1-3/4" Mesh Fabric, Add	76.38	
		For 2-1/8" Mesh Fabric, Deduct	-38.19	
32 31 13 13-0273	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	595.66	24.34
		For Gate With Single Barb Wire Arm, Add	57.48	
		For Gate With Double Barb Wire Arm, Add	83.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.98	
		For Aluminized Steel Gate And Post, Add	250.82	
		For Powder Coated Gate And Post, Add	135.86	
		For 1" Mesh Fabric, Add	227.30	
		For 1-1/4" Mesh Fabric, Add	146.31	
		For 1-3/4" Mesh Fabric, Add	90.92	
		For 2-1/8" Mesh Fabric, Deduct	-45.46	
32 31 13 13-0274	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	691.22	29.40
		For Gate With Single Barb Wire Arm, Add	66.31	
		For Gate With Double Barb Wire Arm, Add	96.46	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.03	
		For Aluminized Steel Gate And Post, Add	289.37	
		For Powder Coated Gate And Post, Add	156.74	
		For 1" Mesh Fabric, Add	262.24	
		For 1-1/4" Mesh Fabric, Add	168.80	
		For 1-3/4" Mesh Fabric, Add	104.90	
		For 2-1/8" Mesh Fabric, Deduct	-52.45	
32 31 13 13-0275	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	791.46	34.55
		For Gate With Single Barb Wire Arm, Add	75.66	
		For Gate With Double Barb Wire Arm, Add	110.05	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-128.97	
		For Aluminized Steel Gate And Post, Add	330.15	
		For Powder Coated Gate And Post, Add	178.83	
		For 1" Mesh Fabric, Add	299.20	
		For 1-1/4" Mesh Fabric, Add	192.59	
		For 1-3/4" Mesh Fabric, Add	119.68	
		For 2-1/8" Mesh Fabric, Deduct	-59.84	
32 31 13 13-0276	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	886.84	39.37
		For Gate With Single Barb Wire Arm, Add	84.56	
		For Gate With Double Barb Wire Arm, Add	123.00	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.14	
		For Aluminized Steel Gate And Post, Add	369.00	
		For Powder Coated Gate And Post, Add	199.87	
		For 1" Mesh Fabric, Add	334.40	
		For 1-1/4" Mesh Fabric, Add	215.25	
		For 1-3/4" Mesh Fabric, Add	133.76	
		For 2-1/8" Mesh Fabric, Deduct	-66.88	
32 31 13 13-0277	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	983.04	44.43
		For Gate With Single Barb Wire Arm, Add	93.46	
		For Gate With Double Barb Wire Arm, Add	135.95	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.31	
		For Aluminized Steel Gate And Post, Add	407.84	
		For Powder Coated Gate And Post, Add	220.91	
		For 1" Mesh Fabric, Add	369.60	
		For 1-1/4" Mesh Fabric, Add	237.90	
		For 1-3/4" Mesh Fabric, Add	147.84	
		For 2-1/8" Mesh Fabric, Deduct	-73.92	
32 31 13 13-0278	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	1,042.80	49.49
		For Gate With Single Barb Wire Arm, Add	98.36	
		For Gate With Double Barb Wire Arm, Add	143.07	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.66	
		For Aluminized Steel Gate And Post, Add	429.20	
		For Powder Coated Gate And Post, Add	232.48	
		For 1" Mesh Fabric, Add	388.96	
		For 1-1/4" Mesh Fabric, Add	250.37	
		For 1-3/4" Mesh Fabric, Add	155.59	
		For 2-1/8" Mesh Fabric, Deduct	-77.79	
32 31 13 13-0279	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,464.09	49.41
		For Gate With Single Barb Wire Arm, Add	144.73	
		For Gate With Double Barb Wire Arm, Add	210.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-246.71	
		For Aluminized Steel Gate And Post, Add	631.56	
		For Powder Coated Gate And Post, Add	342.10	
		For 1" Mesh Fabric, Add	572.36	
		For 1-1/4" Mesh Fabric, Add	368.41	
		For 1-3/4" Mesh Fabric, Add	228.94	
		For 2-1/8" Mesh Fabric, Deduct	-114.47	
32 31 13 13-0280	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire.....	1,738.62	53.51
		For Gate With Single Barb Wire Arm, Add	173.57	
		For Gate With Double Barb Wire Arm, Add	252.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.86	
		For Aluminized Steel Gate And Post, Add	757.41	
		For Powder Coated Gate And Post, Add	410.26	
		For 1" Mesh Fabric, Add	686.40	
		For 1-1/4" Mesh Fabric, Add	441.82	
		For 1-3/4" Mesh Fabric, Add	274.56	
		For 2-1/8" Mesh Fabric, Deduct	-137.28	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
32 31 13 13-0281	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,056.14	70.31
		<i>For Gate With Single Barb Wire Arm, Add</i>	202.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	295.20	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-345.93	
		<i>For Aluminized Steel Gate And Post, Add</i>	885.59	
		<i>For Powder Coated Gate And Post, Add</i>	479.69	
		<i>For 1" Mesh Fabric, Add</i>	802.57	
		<i>For 1-1/4" Mesh Fabric, Add</i>	516.59	
		<i>For 1-3/4" Mesh Fabric, Add</i>	321.03	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-160.51	
32 31 13 13-0282	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,334.57	75.75
		<i>For Gate With Single Barb Wire Arm, Add</i>	231.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	337.15	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-395.09	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,011.44	
		<i>For Powder Coated Gate And Post, Add</i>	547.86	
		<i>For 1" Mesh Fabric, Add</i>	916.61	
		<i>For 1-1/4" Mesh Fabric, Add</i>	590.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	366.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-183.32	
32 31 13 13-0283	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,620.55	82.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	261.16	
		<i>For Gate With Double Barb Wire Arm, Add</i>	379.87	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-445.16	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,139.61	
		<i>For Powder Coated Gate And Post, Add</i>	617.29	
		<i>For 1" Mesh Fabric, Add</i>	1,032.77	
		<i>For 1-1/4" Mesh Fabric, Add</i>	664.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	413.11	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-206.55	
32 31 13 13-0284	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,909.98	89.52
		<i>For Gate With Single Barb Wire Arm, Add</i>	290.54	
		<i>For Gate With Double Barb Wire Arm, Add</i>	422.60	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-495.23	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,267.79	
		<i>For Powder Coated Gate And Post, Add</i>	686.72	
		<i>For 1" Mesh Fabric, Add</i>	1,148.94	
		<i>For 1-1/4" Mesh Fabric, Add</i>	739.54	
		<i>For 1-3/4" Mesh Fabric, Add</i>	459.57	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-229.79	
32 31 13 13-0285	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,199.04	98.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	319.38	
		<i>For Gate With Double Barb Wire Arm, Add</i>	464.55	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-544.39	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,393.64	
		<i>For Powder Coated Gate And Post, Add</i>	754.89	
		<i>For 1" Mesh Fabric, Add</i>	1,262.98	
		<i>For 1-1/4" Mesh Fabric, Add</i>	812.95	
		<i>For 1-3/4" Mesh Fabric, Add</i>	505.19	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-252.60	
32 31 13 13-0286	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,496.50	109.38
		<i>For Gate With Single Barb Wire Arm, Add</i>	348.48	
		<i>For Gate With Double Barb Wire Arm, Add</i>	506.88	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-594.00	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,520.65	
		<i>For Powder Coated Gate And Post, Add</i>	823.69	
		<i>For 1" Mesh Fabric, Add</i>	1,378.09	
		<i>For 1-1/4" Mesh Fabric, Add</i>	887.05	
		<i>For 1-3/4" Mesh Fabric, Add</i>	551.24	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-275.62	
32 31 13 13-0287	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,799.25	123.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	377.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	548.75	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-643.07	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,646.26	
		<i>For Powder Coated Gate And Post, Add</i>	891.72	
		<i>For 1" Mesh Fabric, Add</i>	1,491.92	
		<i>For 1-1/4" Mesh Fabric, Add</i>	960.32	
		<i>For 1-3/4" Mesh Fabric, Add</i>	596.77	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-298.38	
32 31 13 13-0288	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,117.14	140.61
		<i>For Gate With Single Barb Wire Arm, Add</i>	406.43	
		<i>For Gate With Double Barb Wire Arm, Add</i>	591.17	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-692.78	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,773.51	
		<i>For Powder Coated Gate And Post, Add</i>	960.65	
		<i>For 1" Mesh Fabric, Add</i>	1,607.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,034.55	
		<i>For 1-3/4" Mesh Fabric, Add</i>	642.90	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-321.45	
32 31 13 13-0289	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,453.10	164.07
		<i>For Gate With Single Barb Wire Arm, Add</i>	435.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	633.66	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-742.57	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,900.99	
		<i>For Powder Coated Gate And Post, Add</i>	1,029.70	
		<i>For 1" Mesh Fabric, Add</i>	1,722.77	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,108.91	
		<i>For 1-3/4" Mesh Fabric, Add</i>	689.11	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-344.55	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0290	7' Fence Height (32 31 13 13-0229)		
32 31 13 13-0291	EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	418.08	24.67
	For Gate With Single Barb Wire Arm, Add	37.83	
	For Gate With Double Barb Wire Arm, Add	55.03	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-64.48	
	For Aluminized Steel Gate And Post, Add	165.08	
	For Powder Coated Gate And Post, Add	89.42	
	For 1" Mesh Fabric, Add	149.60	
	For 1-1/4" Mesh Fabric, Add	96.29	
	For 1-3/4" Mesh Fabric, Add	59.84	
	For 2-1/8" Mesh Fabric, Deduct	-29.92	
32 31 13 13-0292	EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	531.37	24.67
	For Gate With Single Barb Wire Arm, Add	50.29	
	For Gate With Double Barb Wire Arm, Add	73.15	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.73	
	For Aluminized Steel Gate And Post, Add	219.46	
	For Powder Coated Gate And Post, Add	118.87	
	For 1" Mesh Fabric, Add	198.88	
	For 1-1/4" Mesh Fabric, Add	128.02	
	For 1-3/4" Mesh Fabric, Add	79.55	
	For 2-1/8" Mesh Fabric, Deduct	-39.78	
32 31 13 13-0293	EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	626.89	25.95
	For Gate With Single Barb Wire Arm, Add	60.39	
	For Gate With Double Barb Wire Arm, Add	87.83	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.93	
	For Aluminized Steel Gate And Post, Add	263.50	
	For Powder Coated Gate And Post, Add	142.73	
	For 1" Mesh Fabric, Add	238.80	
	For 1-1/4" Mesh Fabric, Add	153.71	
	For 1-3/4" Mesh Fabric, Add	95.52	
	For 2-1/8" Mesh Fabric, Deduct	-47.76	
32 31 13 13-0294	EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	768.39	31.58
	For Gate With Single Barb Wire Arm, Add	74.09	
	For Gate With Double Barb Wire Arm, Add	107.77	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.30	
	For Aluminized Steel Gate And Post, Add	323.32	
	For Powder Coated Gate And Post, Add	175.13	
	For 1" Mesh Fabric, Add	293.01	
	For 1-1/4" Mesh Fabric, Add	188.60	
	For 1-3/4" Mesh Fabric, Add	117.20	
	For 2-1/8" Mesh Fabric, Deduct	-58.60	
32 31 13 13-0295	EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	909.11	36.96
	For Gate With Single Barb Wire Arm, Add	87.81	
	For Gate With Double Barb Wire Arm, Add	127.72	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.67	
	For Aluminized Steel Gate And Post, Add	383.16	
	For Powder Coated Gate And Post, Add	207.54	
	For 1" Mesh Fabric, Add	347.23	
	For 1-1/4" Mesh Fabric, Add	223.51	
	For 1-3/4" Mesh Fabric, Add	138.89	
	For 2-1/8" Mesh Fabric, Deduct	-69.45	
32 31 13 13-0296	EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,050.59	42.50
	For Gate With Single Barb Wire Arm, Add	101.51	
	For Gate With Double Barb Wire Arm, Add	147.66	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-173.03	
	For Aluminized Steel Gate And Post, Add	442.97	
	For Powder Coated Gate And Post, Add	239.94	
	For 1" Mesh Fabric, Add	401.44	
	For 1-1/4" Mesh Fabric, Add	258.40	
	For 1-3/4" Mesh Fabric, Add	160.58	
	For 2-1/8" Mesh Fabric, Deduct	-80.29	
32 31 13 13-0297	EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,191.32	47.89
	For Gate With Single Barb Wire Arm, Add	115.23	
	For Gate With Double Barb Wire Arm, Add	167.60	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-196.41	
	For Aluminized Steel Gate And Post, Add	502.80	
	For Powder Coated Gate And Post, Add	272.35	
	For 1" Mesh Fabric, Add	455.67	
	For 1-1/4" Mesh Fabric, Add	293.30	
	For 1-3/4" Mesh Fabric, Add	182.27	
	For 2-1/8" Mesh Fabric, Deduct	-91.13	
32 31 13 13-0298	EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	1,310.35	53.51
	For Gate With Single Barb Wire Arm, Add	126.46	
	For Gate With Double Barb Wire Arm, Add	183.95	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.56	
	For Aluminized Steel Gate And Post, Add	551.84	
	For Powder Coated Gate And Post, Add	298.91	
	For 1" Mesh Fabric, Add	500.11	
	For 1-1/4" Mesh Fabric, Add	321.91	
	For 1-3/4" Mesh Fabric, Add	200.04	
	For 2-1/8" Mesh Fabric, Deduct	-100.02	
32 31 13 13-0299	EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	1,669.77	53.51
	For Gate With Single Barb Wire Arm, Add	166.00	
	For Gate With Double Barb Wire Arm, Add	241.45	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-282.95	
	For Aluminized Steel Gate And Post, Add	724.36	
	For Powder Coated Gate And Post, Add	392.36	
	For 1" Mesh Fabric, Add	656.45	
	For 1-1/4" Mesh Fabric, Add	422.55	
	For 1-3/4" Mesh Fabric, Add	262.58	
	For 2-1/8" Mesh Fabric, Deduct	-131.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0300	EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,889.15	70.31
			For Gate With Single Barb Wire Arm, Add	184.58	
			For Gate With Double Barb Wire Arm, Add	268.48	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.62	
			For Aluminized Steel Gate And Post, Add	805.44	
			For Powder Coated Gate And Post, Add	436.28	
			For 1" Mesh Fabric, Add	729.93	
			For 1-1/4" Mesh Fabric, Add	469.84	
			For 1-3/4" Mesh Fabric, Add	291.97	
			For 2-1/8" Mesh Fabric, Deduct	-145.99	
32 31	13	13-0301	EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,185.06	75.75
			For Gate With Single Barb Wire Arm, Add	215.34	
			For Gate With Double Barb Wire Arm, Add	313.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-367.06	
			For Aluminized Steel Gate And Post, Add	939.67	
			For Powder Coated Gate And Post, Add	508.99	
			For 1" Mesh Fabric, Add	851.58	
			For 1-1/4" Mesh Fabric, Add	548.14	
			For 1-3/4" Mesh Fabric, Add	340.63	
			For 2-1/8" Mesh Fabric, Deduct	-170.32	
32 31	13	13-0302	EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,460.33	82.04
			For Gate With Single Barb Wire Arm, Add	243.54	
			For Gate With Double Barb Wire Arm, Add	354.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-415.12	
			For Aluminized Steel Gate And Post, Add	1,062.71	
			For Powder Coated Gate And Post, Add	575.63	
			For 1" Mesh Fabric, Add	963.08	
			For 1-1/4" Mesh Fabric, Add	619.91	
			For 1-3/4" Mesh Fabric, Add	385.23	
			For 2-1/8" Mesh Fabric, Deduct	-192.62	
32 31	13	13-0303	EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,764.32	89.52
			For Gate With Single Barb Wire Arm, Add	274.51	
			For Gate With Double Barb Wire Arm, Add	399.29	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-467.92	
			For Aluminized Steel Gate And Post, Add	1,197.87	
			For Powder Coated Gate And Post, Add	648.85	
			For 1" Mesh Fabric, Add	1,085.57	
			For 1-1/4" Mesh Fabric, Add	698.76	
			For 1-3/4" Mesh Fabric, Add	434.23	
			For 2-1/8" Mesh Fabric, Deduct	-217.11	
32 31	13	13-0304	EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,067.95	98.48
			For Gate With Single Barb Wire Arm, Add	304.96	
			For Gate With Double Barb Wire Arm, Add	443.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-519.81	
			For Aluminized Steel Gate And Post, Add	1,330.71	
			For Powder Coated Gate And Post, Add	720.80	
			For 1" Mesh Fabric, Add	1,205.96	
			For 1-1/4" Mesh Fabric, Add	776.25	
			For 1-3/4" Mesh Fabric, Add	482.38	
			For 2-1/8" Mesh Fabric, Deduct	-241.19	
32 31	13	13-0305	EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,377.55	109.38
			For Gate With Single Barb Wire Arm, Add	335.40	
			For Gate With Double Barb Wire Arm, Add	487.85	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-571.70	
			For Aluminized Steel Gate And Post, Add	1,463.55	
			For Powder Coated Gate And Post, Add	792.76	
			For 1" Mesh Fabric, Add	1,326.35	
			For 1-1/4" Mesh Fabric, Add	853.74	
			For 1-3/4" Mesh Fabric, Add	530.54	
			For 2-1/8" Mesh Fabric, Deduct	-265.27	
32 31	13	13-0306	EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,695.35	123.06
			For Gate With Single Barb Wire Arm, Add	365.84	
			For Gate With Double Barb Wire Arm, Add	532.13	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-623.59	
			For Aluminized Steel Gate And Post, Add	1,596.39	
			For Powder Coated Gate And Post, Add	864.71	
			For 1" Mesh Fabric, Add	1,446.73	
			For 1-1/4" Mesh Fabric, Add	931.23	
			For 1-3/4" Mesh Fabric, Add	578.69	
			For 2-1/8" Mesh Fabric, Deduct	-289.35	
32 31	13	13-0307	EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,024.89	140.61
			For Gate With Single Barb Wire Arm, Add	396.28	
			For Gate With Double Barb Wire Arm, Add	576.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-675.48	
			For Aluminized Steel Gate And Post, Add	1,729.23	
			For Powder Coated Gate And Post, Add	936.67	
			For 1" Mesh Fabric, Add	1,567.11	
			For 1-1/4" Mesh Fabric, Add	1,008.72	
			For 1-3/4" Mesh Fabric, Add	626.85	
			For 2-1/8" Mesh Fabric, Deduct	-313.42	
32 31	13	13-0308	EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,372.01	164.07
			For Gate With Single Barb Wire Arm, Add	426.72	
			For Gate With Double Barb Wire Arm, Add	620.69	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-727.37	
			For Aluminized Steel Gate And Post, Add	1,862.06	
			For Powder Coated Gate And Post, Add	1,008.62	
			For 1" Mesh Fabric, Add	1,687.50	
			For 1-1/4" Mesh Fabric, Add	1,086.20	
			For 1-3/4" Mesh Fabric, Add	675.00	
			For 2-1/8" Mesh Fabric, Deduct	-337.50	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0309	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,747.31	196.87
			For Gate With Single Barb Wire Arm, Add	457.17	
			For Gate With Double Barb Wire Arm, Add	664.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-779.26	
			For Aluminized Steel Gate And Post, Add	1,994.90	
			For Powder Coated Gate And Post, Add	1,080.57	
			For 1" Mesh Fabric, Add	1,807.88	
			For 1-1/4" Mesh Fabric, Add	1,163.69	
			For 1-3/4" Mesh Fabric, Add	723.15	
			For 2-1/8" Mesh Fabric, Deduct	-361.58	
32 31	13 13-0310		8' Fence Height (32 31 13 13-0229)		
32 31	13 13-0311	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	491.07	26.75
			For Gate With Single Barb Wire Arm, Add	45.18	
			For Gate With Double Barb Wire Arm, Add	65.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.01	
			For Aluminized Steel Gate And Post, Add	197.15	
			For Powder Coated Gate And Post, Add	106.79	
			For 1" Mesh Fabric, Add	178.67	
			For 1-1/4" Mesh Fabric, Add	115.00	
			For 1-3/4" Mesh Fabric, Add	71.47	
			For 2-1/8" Mesh Fabric, Deduct	-35.73	
32 31	13 13-0312	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	627.98	26.75
			For Gate With Single Barb Wire Arm, Add	60.24	
			For Gate With Double Barb Wire Arm, Add	87.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.68	
			For Aluminized Steel Gate And Post, Add	262.87	
			For Powder Coated Gate And Post, Add	142.39	
			For 1" Mesh Fabric, Add	238.22	
			For 1-1/4" Mesh Fabric, Add	153.34	
			For 1-3/4" Mesh Fabric, Add	95.29	
			For 2-1/8" Mesh Fabric, Deduct	-47.64	
32 31	13 13-0313	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	733.67	29.81
			For Gate With Single Barb Wire Arm, Add	70.85	
			For Gate With Double Barb Wire Arm, Add	103.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.77	
			For Aluminized Steel Gate And Post, Add	309.16	
			For Powder Coated Gate And Post, Add	167.46	
			For 1" Mesh Fabric, Add	280.17	
			For 1-1/4" Mesh Fabric, Add	180.34	
			For 1-3/4" Mesh Fabric, Add	112.07	
			For 2-1/8" Mesh Fabric, Deduct	-56.03	
32 31	13 13-0314	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	841.77	33.75
			For Gate With Single Barb Wire Arm, Add	81.46	
			For Gate With Double Barb Wire Arm, Add	118.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.85	
			For Aluminized Steel Gate And Post, Add	355.46	
			For Powder Coated Gate And Post, Add	192.54	
			For 1" Mesh Fabric, Add	322.13	
			For 1-1/4" Mesh Fabric, Add	207.35	
			For 1-3/4" Mesh Fabric, Add	128.85	
			For 2-1/8" Mesh Fabric, Deduct	-64.43	
32 31	13 13-0315	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	959.12	40.65
			For Gate With Single Barb Wire Arm, Add	92.07	
			For Gate With Double Barb Wire Arm, Add	133.92	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.94	
			For Aluminized Steel Gate And Post, Add	401.76	
			For Powder Coated Gate And Post, Add	217.62	
			For 1" Mesh Fabric, Add	364.10	
			For 1-1/4" Mesh Fabric, Add	234.36	
			For 1-3/4" Mesh Fabric, Add	145.64	
			For 2-1/8" Mesh Fabric, Deduct	-72.82	
32 31	13 13-0316	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,075.66	47.32
			For Gate With Single Barb Wire Arm, Add	102.68	
			For Gate With Double Barb Wire Arm, Add	149.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.02	
			For Aluminized Steel Gate And Post, Add	448.06	
			For Powder Coated Gate And Post, Add	242.70	
			For 1" Mesh Fabric, Add	406.05	
			For 1-1/4" Mesh Fabric, Add	261.37	
			For 1-3/4" Mesh Fabric, Add	162.42	
			For 2-1/8" Mesh Fabric, Deduct	-81.21	
32 31	13 13-0317	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,193.01	54.31
			For Gate With Single Barb Wire Arm, Add	113.29	
			For Gate With Double Barb Wire Arm, Add	164.79	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.11	
			For Aluminized Steel Gate And Post, Add	494.36	
			For Powder Coated Gate And Post, Add	267.78	
			For 1" Mesh Fabric, Add	448.01	
			For 1-1/4" Mesh Fabric, Add	288.37	
			For 1-3/4" Mesh Fabric, Add	179.20	
			For 2-1/8" Mesh Fabric, Deduct	-89.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0318	EA		10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,310.35	61.30
			For Gate With Single Barb Wire Arm, Add	123.90	
			For Gate With Double Barb Wire Arm, Add	180.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.19	
			For Aluminized Steel Gate And Post, Add	540.66	
			For Powder Coated Gate And Post, Add	292.86	
			For 1" Mesh Fabric, Add	489.97	
			For 1-1/4" Mesh Fabric, Add	315.38	
			For 1-3/4" Mesh Fabric, Add	195.99	
			For 2-1/8" Mesh Fabric, Deduct	-97.99	
32 31 13 13-0319	EA		10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,900.73	70.31
			For Gate With Single Barb Wire Arm, Add	185.85	
			For Gate With Double Barb Wire Arm, Add	270.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-316.79	
			For Aluminized Steel Gate And Post, Add	810.99	
			For Powder Coated Gate And Post, Add	439.29	
			For 1" Mesh Fabric, Add	734.96	
			For 1-1/4" Mesh Fabric, Add	473.08	
			For 1-3/4" Mesh Fabric, Add	293.99	
			For 2-1/8" Mesh Fabric, Deduct	-146.99	
32 31 13 13-0320	EA		12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,242.32	75.75
			For Gate With Single Barb Wire Arm, Add	221.64	
			For Gate With Double Barb Wire Arm, Add	322.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-377.80	
			For Aluminized Steel Gate And Post, Add	967.16	
			For Powder Coated Gate And Post, Add	523.88	
			For 1" Mesh Fabric, Add	876.49	
			For 1-1/4" Mesh Fabric, Add	564.17	
			For 1-3/4" Mesh Fabric, Add	350.59	
			For 2-1/8" Mesh Fabric, Deduct	-175.30	
32 31 13 13-0321	EA		14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,591.42	82.04
			For Gate With Single Barb Wire Arm, Add	257.96	
			For Gate With Double Barb Wire Arm, Add	375.21	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-439.70	
			For Aluminized Steel Gate And Post, Add	1,125.63	
			For Powder Coated Gate And Post, Add	609.72	
			For 1" Mesh Fabric, Add	1,020.10	
			For 1-1/4" Mesh Fabric, Add	656.62	
			For 1-3/4" Mesh Fabric, Add	408.04	
			For 2-1/8" Mesh Fabric, Deduct	-204.02	
32 31 13 13-0322	EA		16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,953.68	89.52
			For Gate With Single Barb Wire Arm, Add	295.34	
			For Gate With Double Barb Wire Arm, Add	429.59	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-503.42	
			For Aluminized Steel Gate And Post, Add	1,288.77	
			For Powder Coated Gate And Post, Add	698.08	
			For 1" Mesh Fabric, Add	1,167.94	
			For 1-1/4" Mesh Fabric, Add	751.78	
			For 1-3/4" Mesh Fabric, Add	467.18	
			For 2-1/8" Mesh Fabric, Deduct	-233.59	
32 31 13 13-0323	EA		18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,320.42	98.48
			For Gate With Single Barb Wire Arm, Add	332.73	
			For Gate With Double Barb Wire Arm, Add	483.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-567.15	
			For Aluminized Steel Gate And Post, Add	1,451.90	
			For Powder Coated Gate And Post, Add	786.45	
			For 1" Mesh Fabric, Add	1,315.78	
			For 1-1/4" Mesh Fabric, Add	846.94	
			For 1-3/4" Mesh Fabric, Add	526.31	
			For 2-1/8" Mesh Fabric, Deduct	-263.16	
32 31 13 13-0324	EA		20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,688.28	109.38
			For Gate With Single Barb Wire Arm, Add	369.58	
			For Gate With Double Barb Wire Arm, Add	537.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-629.96	
			For Aluminized Steel Gate And Post, Add	1,612.70	
			For Powder Coated Gate And Post, Add	873.55	
			For 1" Mesh Fabric, Add	1,461.51	
			For 1-1/4" Mesh Fabric, Add	940.74	
			For 1-3/4" Mesh Fabric, Add	584.61	
			For 2-1/8" Mesh Fabric, Deduct	-292.30	
32 31 13 13-0325	EA		22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,059.49	123.06
			For Gate With Single Barb Wire Arm, Add	405.89	
			For Gate With Double Barb Wire Arm, Add	590.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-691.87	
			For Aluminized Steel Gate And Post, Add	1,771.18	
			For Powder Coated Gate And Post, Add	959.39	
			For 1" Mesh Fabric, Add	1,605.13	
			For 1-1/4" Mesh Fabric, Add	1,033.19	
			For 1-3/4" Mesh Fabric, Add	642.05	
			For 2-1/8" Mesh Fabric, Deduct	-321.03	
32 31 13 13-0326	EA		24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,452.15	140.61
			For Gate With Single Barb Wire Arm, Add	443.28	
			For Gate With Double Barb Wire Arm, Add	644.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-755.59	
			For Aluminized Steel Gate And Post, Add	1,934.31	
			For Powder Coated Gate And Post, Add	1,047.75	
			For 1" Mesh Fabric, Add	1,752.97	
			For 1-1/4" Mesh Fabric, Add	1,128.35	
			For 1-3/4" Mesh Fabric, Add	701.19	
			For 2-1/8" Mesh Fabric, Deduct	-350.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0327	EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,862.39	164.07
	For Gate With Single Barb Wire Arm, Add	480.66	
	For Gate With Double Barb Wire Arm, Add	699.15	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-819.32	
	For Aluminized Steel Gate And Post, Add	2,097.45	
	For Powder Coated Gate And Post, Add	1,136.12	
	For 1" Mesh Fabric, Add	1,900.81	
	For 1-1/4" Mesh Fabric, Add	1,223.51	
	For 1-3/4" Mesh Fabric, Add	760.32	
	For 2-1/8" Mesh Fabric, Deduct	-380.16	
32 31 13 13-0328	EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,295.95	196.87
	For Gate With Single Barb Wire Arm, Add	517.52	
	For Gate With Double Barb Wire Arm, Add	752.75	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-882.13	
	For Aluminized Steel Gate And Post, Add	2,258.25	
	For Powder Coated Gate And Post, Add	1,223.22	
	For 1" Mesh Fabric, Add	2,046.54	
	For 1-1/4" Mesh Fabric, Add	1,317.31	
	For 1-3/4" Mesh Fabric, Add	818.62	
	For 2-1/8" Mesh Fabric, Deduct	-409.31	
32 31 13 13-0329	EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,778.77	246.12
	For Gate With Single Barb Wire Arm, Add	554.37	
	For Gate With Double Barb Wire Arm, Add	806.35	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.94	
	For Aluminized Steel Gate And Post, Add	2,419.06	
	For Powder Coated Gate And Post, Add	1,310.32	
	For 1" Mesh Fabric, Add	2,192.27	
	For 1-1/4" Mesh Fabric, Add	1,411.12	
	For 1-3/4" Mesh Fabric, Add	876.91	
	For 2-1/8" Mesh Fabric, Deduct	-438.45	
32 31 13 13-0330	10' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0331	EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	620.40	29.73
	For Gate With Single Barb Wire Arm, Add	58.42	
	For Gate With Double Barb Wire Arm, Add	84.98	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.59	
	For Aluminized Steel Gate And Post, Add	254.94	
	For Powder Coated Gate And Post, Add	138.09	
	For 1" Mesh Fabric, Add	231.04	
	For 1-1/4" Mesh Fabric, Add	148.72	
	For 1-3/4" Mesh Fabric, Add	92.42	
	For 2-1/8" Mesh Fabric, Deduct	-46.21	
32 31 13 13-0332	EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	797.44	29.73
	For Gate With Single Barb Wire Arm, Add	77.90	
	For Gate With Double Barb Wire Arm, Add	113.31	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.78	
	For Aluminized Steel Gate And Post, Add	339.92	
	For Powder Coated Gate And Post, Add	184.12	
	For 1" Mesh Fabric, Add	308.05	
	For 1-1/4" Mesh Fabric, Add	198.29	
	For 1-3/4" Mesh Fabric, Add	123.22	
	For 2-1/8" Mesh Fabric, Deduct	-61.61	
32 31 13 13-0333	EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	926.10	31.01
	For Gate With Single Barb Wire Arm, Add	91.62	
	For Gate With Double Barb Wire Arm, Add	133.27	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.17	
	For Aluminized Steel Gate And Post, Add	399.80	
	For Powder Coated Gate And Post, Add	216.56	
	For 1" Mesh Fabric, Add	362.32	
	For 1-1/4" Mesh Fabric, Add	233.21	
	For 1-3/4" Mesh Fabric, Add	144.93	
	For 2-1/8" Mesh Fabric, Deduct	-72.46	
32 31 13 13-0334	EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,073.34	38.56
	For Gate With Single Barb Wire Arm, Add	105.34	
	For Gate With Double Barb Wire Arm, Add	153.22	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.56	
	For Aluminized Steel Gate And Post, Add	459.67	
	For Powder Coated Gate And Post, Add	248.99	
	For 1" Mesh Fabric, Add	416.58	
	For 1-1/4" Mesh Fabric, Add	268.14	
	For 1-3/4" Mesh Fabric, Add	166.63	
	For 2-1/8" Mesh Fabric, Deduct	-83.32	
32 31 13 13-0335	EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,220.09	45.71
	For Gate With Single Barb Wire Arm, Add	119.06	
	For Gate With Double Barb Wire Arm, Add	173.18	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-202.94	
	For Aluminized Steel Gate And Post, Add	519.53	
	For Powder Coated Gate And Post, Add	281.41	
	For 1" Mesh Fabric, Add	470.82	
	For 1-1/4" Mesh Fabric, Add	303.06	
	For 1-3/4" Mesh Fabric, Add	188.33	
	For 2-1/8" Mesh Fabric, Deduct	-94.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0336	EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,366.95	53.27
			For Gate With Single Barb Wire Arm, Add	132.78	
			For Gate With Double Barb Wire Arm, Add	193.13	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.33	
			For Aluminized Steel Gate And Post, Add	579.40	
			For Powder Coated Gate And Post, Add	313.84	
			For 1" Mesh Fabric, Add	525.08	
			For 1-1/4" Mesh Fabric, Add	337.98	
			For 1-3/4" Mesh Fabric, Add	210.03	
			For 2-1/8" Mesh Fabric, Deduct	-105.02	
32 31	13	13-0337	EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,513.39	60.50
			For Gate With Single Barb Wire Arm, Add	146.50	
			For Gate With Double Barb Wire Arm, Add	213.09	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-249.72	
			For Aluminized Steel Gate And Post, Add	639.27	
			For Powder Coated Gate And Post, Add	346.27	
			For 1" Mesh Fabric, Add	579.34	
			For 1-1/4" Mesh Fabric, Add	372.91	
			For 1-3/4" Mesh Fabric, Add	231.74	
			For 2-1/8" Mesh Fabric, Deduct	-115.87	
32 31	13	13-0338	EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,660.64	67.97
			For Gate With Single Barb Wire Arm, Add	160.22	
			For Gate With Double Barb Wire Arm, Add	233.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-273.11	
			For Aluminized Steel Gate And Post, Add	699.15	
			For Powder Coated Gate And Post, Add	378.71	
			For 1" Mesh Fabric, Add	633.60	
			For 1-1/4" Mesh Fabric, Add	407.84	
			For 1-3/4" Mesh Fabric, Add	253.44	
			For 2-1/8" Mesh Fabric, Deduct	-126.72	
32 31	13	13-0339	EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,419.45	78.16
			For Gate With Single Barb Wire Arm, Add	240.33	
			For Gate With Double Barb Wire Arm, Add	349.57	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-409.65	
			For Aluminized Steel Gate And Post, Add	1,048.71	
			For Powder Coated Gate And Post, Add	568.05	
			For 1" Mesh Fabric, Add	950.40	
			For 1-1/4" Mesh Fabric, Add	611.75	
			For 1-3/4" Mesh Fabric, Add	380.16	
			For 2-1/8" Mesh Fabric, Deduct	-190.08	
32 31	13	13-0340	EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,631.67	84.07
			For Gate With Single Barb Wire Arm, Add	261.70	
			For Gate With Double Barb Wire Arm, Add	380.65	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-446.08	
			For Aluminized Steel Gate And Post, Add	1,141.96	
			For Powder Coated Gate And Post, Add	618.56	
			For 1" Mesh Fabric, Add	1,034.90	
			For 1-1/4" Mesh Fabric, Add	666.14	
			For 1-3/4" Mesh Fabric, Add	413.96	
			For 2-1/8" Mesh Fabric, Deduct	-206.98	
32 31	13	13-0341	EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,002.35	91.18
			For Gate With Single Barb Wire Arm, Add	300.15	
			For Gate With Double Barb Wire Arm, Add	436.58	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-511.62	
			For Aluminized Steel Gate And Post, Add	1,309.74	
			For Powder Coated Gate And Post, Add	709.44	
			For 1" Mesh Fabric, Add	1,186.95	
			For 1-1/4" Mesh Fabric, Add	764.01	
			For 1-3/4" Mesh Fabric, Add	474.78	
			For 2-1/8" Mesh Fabric, Deduct	-237.39	
32 31	13	13-0342	EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,415.53	99.40
			For Gate With Single Barb Wire Arm, Add	342.87	
			For Gate With Double Barb Wire Arm, Add	498.73	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-584.45	
			For Aluminized Steel Gate And Post, Add	1,496.18	
			For Powder Coated Gate And Post, Add	810.43	
			For 1" Mesh Fabric, Add	1,355.91	
			For 1-1/4" Mesh Fabric, Add	872.77	
			For 1-3/4" Mesh Fabric, Add	542.36	
			For 2-1/8" Mesh Fabric, Deduct	-271.18	
32 31	13	13-0343	EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,833.93	109.38
			For Gate With Single Barb Wire Arm, Add	385.60	
			For Gate With Double Barb Wire Arm, Add	560.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-657.27	
			For Aluminized Steel Gate And Post, Add	1,682.62	
			For Powder Coated Gate And Post, Add	911.42	
			For 1" Mesh Fabric, Add	1,524.87	
			For 1-1/4" Mesh Fabric, Add	981.53	
			For 1-3/4" Mesh Fabric, Add	609.95	
			For 2-1/8" Mesh Fabric, Deduct	-304.97	
32 31	13	13-0344	EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,261.09	121.48
			For Gate With Single Barb Wire Arm, Add	428.59	
			For Gate With Double Barb Wire Arm, Add	623.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-730.56	
			For Aluminized Steel Gate And Post, Add	1,870.22	
			For Powder Coated Gate And Post, Add	1,013.04	
			For 1" Mesh Fabric, Add	1,694.89	
			For 1-1/4" Mesh Fabric, Add	1,090.96	
			For 1-3/4" Mesh Fabric, Add	677.96	
			For 2-1/8" Mesh Fabric, Deduct	-338.98	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0345	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,697.73	136.73
		<i>For Gate With Single Barb Wire Arm, Add</i>	471.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	685.94	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-803.84	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,057.83	
		<i>For Powder Coated Gate And Post, Add</i>	1,114.66	
		<i>For 1" Mesh Fabric, Add</i>	1,864.91	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,200.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	745.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-372.98	
32 31 13 13-0346	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,144.51	156.13
		<i>For Gate With Single Barb Wire Arm, Add</i>	514.31	
		<i>For Gate With Double Barb Wire Arm, Add</i>	748.09	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-876.67	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,244.27	
		<i>For Powder Coated Gate And Post, Add</i>	1,215.65	
		<i>For 1" Mesh Fabric, Add</i>	2,033.87	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,309.16	
		<i>For 1-3/4" Mesh Fabric, Add</i>	813.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-406.77	
32 31 13 13-0347	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,611.43	182.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	557.04	
		<i>For Gate With Double Barb Wire Arm, Add</i>	810.24	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-949.49	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,430.71	
		<i>For Powder Coated Gate And Post, Add</i>	1,316.63	
		<i>For 1" Mesh Fabric, Add</i>	2,202.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,417.91	
		<i>For 1-3/4" Mesh Fabric, Add</i>	881.13	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-440.57	
32 31 13 13-0348	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,108.76	218.58
		<i>For Gate With Single Barb Wire Arm, Add</i>	599.76	
		<i>For Gate With Double Barb Wire Arm, Add</i>	872.38	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,022.32	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,617.15	
		<i>For Powder Coated Gate And Post, Add</i>	1,417.62	
		<i>For 1" Mesh Fabric, Add</i>	2,371.79	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,526.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	948.72	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-474.36	
32 31 13 13-0349	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,666.85	273.45
		<i>For Gate With Single Barb Wire Arm, Add</i>	643.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	935.31	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,096.06	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,805.92	
		<i>For Powder Coated Gate And Post, Add</i>	1,519.87	
		<i>For 1" Mesh Fabric, Add</i>	2,542.86	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,636.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,017.14	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-508.57	
32 31 13 13-0350		12' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0351	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	779.03	33.02
		<i>For Gate With Single Barb Wire Arm, Add</i>	74.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	108.77	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-127.47	
		<i>For Aluminized Steel Gate And Post, Add</i>	326.32	
		<i>For Powder Coated Gate And Post, Add</i>	176.76	
		<i>For 1" Mesh Fabric, Add</i>	295.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>	190.36	
		<i>For 1-3/4" Mesh Fabric, Add</i>	118.29	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-59.15	
32 31 13 13-0352	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,005.64	33.02
		<i>For Gate With Single Barb Wire Arm, Add</i>	99.71	
		<i>For Gate With Double Barb Wire Arm, Add</i>	145.03	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-169.96	
		<i>For Aluminized Steel Gate And Post, Add</i>	435.10	
		<i>For Powder Coated Gate And Post, Add</i>	235.68	
		<i>For 1" Mesh Fabric, Add</i>	394.31	
		<i>For 1-1/4" Mesh Fabric, Add</i>	253.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	157.72	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-78.86	
32 31 13 13-0353	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,168.96	34.22
		<i>For Gate With Single Barb Wire Arm, Add</i>	117.27	
		<i>For Gate With Double Barb Wire Arm, Add</i>	170.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.90	
		<i>For Aluminized Steel Gate And Post, Add</i>	511.74	
		<i>For Powder Coated Gate And Post, Add</i>	277.19	
		<i>For 1" Mesh Fabric, Add</i>	463.76	
		<i>For 1-1/4" Mesh Fabric, Add</i>	298.51	
		<i>For 1-3/4" Mesh Fabric, Add</i>	185.50	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-92.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0354	EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	1,353.52 134.84 196.12 -229.83 588.37 318.70 533.21 343.22 213.29 -106.64	42.50
32 31	13	13-0355	EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	410.63 28.38 41.28 -48.37 123.83 67.07 112.22 72.23 44.89 -22.44	50.86
32 31	13	13-0356	EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	464.46 31.65 46.03 -53.94 138.10 74.80 125.15 80.56 50.06 -25.03	58.89
32 31	13	13-0357	EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	519.09 34.92 50.79 -59.52 152.37 82.53 138.08 88.88 55.23 -27.62	67.17
32 31	13	13-0358	EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	573.73 38.19 55.55 -65.09 166.64 90.26 151.01 97.20 60.41 -30.20	75.44
32 31	13	13-0359	EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	744.38 53.20 77.39 -90.69 232.17 125.76 210.40 135.43 84.16 -42.08	86.84
32 31	13	13-0360	EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	812.19 58.48 85.06 -99.68 255.17 138.22 231.25 148.85 92.50 -46.25	93.50
32 31	13	13-0361	EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	913.49 67.03 97.50 -114.25 292.49 158.43 265.07 170.62 106.03 -53.01	101.26
32 31	13	13-0362	EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i>	1,027.86 76.58 111.38 -130.53 334.15 181.00 302.82 194.92 121.13 -60.56	110.40

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0363	EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,569.39	121.58
	<i>For Gate With Single Barb Wire Arm, Add</i>	462.51	
	<i>For Gate With Double Barb Wire Arm, Add</i>	672.74	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-788.36	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,018.21	
	<i>For Powder Coated Gate And Post, Add</i>	1,093.20	
	<i>For 1" Mesh Fabric, Add</i>	1,829.00	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,177.29	
	<i>For 1-3/4" Mesh Fabric, Add</i>	731.60	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-365.80	
32 31 13 13-0364	EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,080.75	134.98
	<i>For Gate With Single Barb Wire Arm, Add</i>	514.31	
	<i>For Gate With Double Barb Wire Arm, Add</i>	748.09	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-876.67	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,244.27	
	<i>For Powder Coated Gate And Post, Add</i>	1,215.65	
	<i>For 1" Mesh Fabric, Add</i>	2,033.87	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,309.16	
	<i>For 1-3/4" Mesh Fabric, Add</i>	813.55	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-406.77	
32 31 13 13-0365	EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,597.88	151.87
	<i>For Gate With Single Barb Wire Arm, Add</i>	565.58	
	<i>For Gate With Double Barb Wire Arm, Add</i>	822.67	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-964.06	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,468.00	
	<i>For Powder Coated Gate And Post, Add</i>	1,336.83	
	<i>For 1" Mesh Fabric, Add</i>	2,236.62	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,439.66	
	<i>For 1-3/4" Mesh Fabric, Add</i>	894.65	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-447.32	
32 31 13 13-0366	EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,133.67	173.50
	<i>For Gate With Single Barb Wire Arm, Add</i>	617.39	
	<i>For Gate With Double Barb Wire Arm, Add</i>	898.02	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,052.36	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,694.05	
	<i>For Powder Coated Gate And Post, Add</i>	1,459.28	
	<i>For 1" Mesh Fabric, Add</i>	2,441.49	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,571.53	
	<i>For 1-3/4" Mesh Fabric, Add</i>	976.59	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-488.30	
32 31 13 13-0367	EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,682.15	202.60
	<i>For Gate With Single Barb Wire Arm, Add</i>	668.12	
	<i>For Gate With Double Barb Wire Arm, Add</i>	971.82	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,138.85	
	<i>For Aluminized Steel Gate And Post, Add</i>	2,915.45	
	<i>For Powder Coated Gate And Post, Add</i>	1,579.20	
	<i>For 1" Mesh Fabric, Add</i>	2,642.13	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,700.68	
	<i>For 1-3/4" Mesh Fabric, Add</i>	1,056.85	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-528.43	
32 31 13 13-0368	EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,269.25	242.88
	<i>For Gate With Single Barb Wire Arm, Add</i>	719.39	
	<i>For Gate With Double Barb Wire Arm, Add</i>	1,046.39	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,226.24	
	<i>For Aluminized Steel Gate And Post, Add</i>	3,139.18	
	<i>For Powder Coated Gate And Post, Add</i>	1,700.39	
	<i>For 1" Mesh Fabric, Add</i>	2,844.88	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,831.19	
	<i>For 1-3/4" Mesh Fabric, Add</i>	1,137.95	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-568.98	
32 31 13 13-0369	EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,923.34	303.85
	<i>For Gate With Single Barb Wire Arm, Add</i>	771.20	
	<i>For Gate With Double Barb Wire Arm, Add</i>	1,121.75	
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,314.55	
	<i>For Aluminized Steel Gate And Post, Add</i>	3,365.24	
	<i>For Powder Coated Gate And Post, Add</i>	1,822.84	
	<i>For 1" Mesh Fabric, Add</i>	3,049.75	
	<i>For 1-1/4" Mesh Fabric, Add</i>	1,963.05	
	<i>For 1-3/4" Mesh Fabric, Add</i>	1,219.90	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-609.95	
32 31 13 13-0370	Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0228)</small>		
	Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0371	4' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0372	EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	120.59	20.09
	<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-11.31	
	<i>For 1" Mesh Fabric, Add</i>	26.24	
	<i>For 1-1/4" Mesh Fabric, Add</i>	16.89	
	<i>For 1-3/4" Mesh Fabric, Add</i>	10.50	
	<i>For 2-1/8" Mesh Fabric, Deduct</i>	-5.25	
	<i>For Gate With Single Barb Wire Arm, Add</i>	6.64	
	<i>For Gate With Double Barb Wire Arm, Add</i>	9.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0373	EA	4'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	140.70	20.09
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-15.08	
			<i>For 1" Mesh Fabric, Add</i>	34.99	
			<i>For 1-1/4" Mesh Fabric, Add</i>	22.52	
			<i>For 1-3/4" Mesh Fabric, Add</i>	14.00	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-7.00	
			<i>For Gate With Single Barb Wire Arm, Add</i>	8.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	12.87	
32 31 13 13-0374	EA	5'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	161.48	21.37
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-18.23	
			<i>For 1" Mesh Fabric, Add</i>	42.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	27.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	16.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-8.46	
			<i>For Gate With Single Barb Wire Arm, Add</i>	10.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	15.55	
32 31 13 13-0375	EA	6'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	191.08	25.71
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-21.37	
			<i>For 1" Mesh Fabric, Add</i>	49.57	
			<i>For 1-1/4" Mesh Fabric, Add</i>	31.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	19.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-9.91	
			<i>For Gate With Single Barb Wire Arm, Add</i>	12.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	18.23	
32 31 13 13-0376	EA	7'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	220.69	29.97
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.51	
			<i>For 1" Mesh Fabric, Add</i>	56.86	
			<i>For 1-1/4" Mesh Fabric, Add</i>	36.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	22.74	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-11.37	
			<i>For Gate With Single Barb Wire Arm, Add</i>	14.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	20.91	
32 31 13 13-0377	EA	8'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	250.31	34.22
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.65	
			<i>For 1" Mesh Fabric, Add</i>	64.15	
			<i>For 1-1/4" Mesh Fabric, Add</i>	41.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	25.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-12.83	
			<i>For Gate With Single Barb Wire Arm, Add</i>	16.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	23.60	
32 31 13 13-0378	EA	9'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	279.93	38.56
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-30.79	
			<i>For 1" Mesh Fabric, Add</i>	71.44	
			<i>For 1-1/4" Mesh Fabric, Add</i>	45.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	28.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-14.29	
			<i>For Gate With Single Barb Wire Arm, Add</i>	18.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	26.28	
32 31 13 13-0379	EA	10'	Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	309.53	42.82
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-33.93	
			<i>For 1" Mesh Fabric, Add</i>	78.73	
			<i>For 1-1/4" Mesh Fabric, Add</i>	50.67	
			<i>For 1-3/4" Mesh Fabric, Add</i>	31.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-15.75	
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	28.96	
32 31 13 13-0380	EA	10'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	369.86	42.82
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.25	
			<i>For 1" Mesh Fabric, Add</i>	104.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	67.57	
			<i>For 1-3/4" Mesh Fabric, Add</i>	41.99	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-20.99	
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.54	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.61	
32 31 13 13-0381	EA	12'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	427.31	45.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.29	
			<i>For 1" Mesh Fabric, Add</i>	125.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	81.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	50.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-25.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.33	
32 31 13 13-0382	EA	14'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	486.16	49.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.34	
			<i>For 1" Mesh Fabric, Add</i>	146.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	94.59	
			<i>For 1-3/4" Mesh Fabric, Add</i>	58.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.39	
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.05	
32 31 13 13-0383	EA	16'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	546.78	53.51
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.39	
			<i>For 1" Mesh Fabric, Add</i>	167.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	108.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	67.18	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.59	
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.78	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0384	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	631.44	65.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.44	
		For 1" Mesh Fabric, Add	188.95	
		For 1-1/4" Mesh Fabric, Add	121.62	
		For 1-3/4" Mesh Fabric, Add	75.58	
		For 2-1/8" Mesh Fabric, Deduct	-37.79	
		For Gate With Single Barb Wire Arm, Add	47.78	
		For Gate With Double Barb Wire Arm, Add	69.50	
32 31 13 13-0385	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	693.78	70.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.49	
		For 1" Mesh Fabric, Add	209.94	
		For 1-1/4" Mesh Fabric, Add	135.13	
		For 1-3/4" Mesh Fabric, Add	83.98	
		For 2-1/8" Mesh Fabric, Deduct	-41.99	
		For Gate With Single Barb Wire Arm, Add	53.09	
		For Gate With Double Barb Wire Arm, Add	77.22	
32 31 13 13-0386	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	758.29	75.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.54	
		For 1" Mesh Fabric, Add	230.93	
		For 1-1/4" Mesh Fabric, Add	148.65	
		For 1-3/4" Mesh Fabric, Add	92.37	
		For 2-1/8" Mesh Fabric, Deduct	-46.19	
		For Gate With Single Barb Wire Arm, Add	58.40	
		For Gate With Double Barb Wire Arm, Add	84.94	
32 31 13 13-0387	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	825.51	82.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.59	
		For 1" Mesh Fabric, Add	251.93	
		For 1-1/4" Mesh Fabric, Add	162.16	
		For 1-3/4" Mesh Fabric, Add	100.77	
		For 2-1/8" Mesh Fabric, Deduct	-50.39	
		For Gate With Single Barb Wire Arm, Add	63.71	
		For Gate With Double Barb Wire Arm, Add	92.66	
32 31 13 13-0388	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	896.16	89.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-117.64	
		For 1" Mesh Fabric, Add	272.92	
		For 1-1/4" Mesh Fabric, Add	175.67	
		For 1-3/4" Mesh Fabric, Add	109.17	
		For 2-1/8" Mesh Fabric, Deduct	-54.58	
		For Gate With Single Barb Wire Arm, Add	69.02	
		For Gate With Double Barb Wire Arm, Add	100.39	
32 31 13 13-0389	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	971.30	98.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.69	
		For 1" Mesh Fabric, Add	293.92	
		For 1-1/4" Mesh Fabric, Add	189.19	
		For 1-3/4" Mesh Fabric, Add	117.57	
		For 2-1/8" Mesh Fabric, Deduct	-58.78	
		For Gate With Single Barb Wire Arm, Add	74.32	
		For Gate With Double Barb Wire Arm, Add	108.11	
32 31 13 13-0390	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,052.41	109.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.74	
		For 1" Mesh Fabric, Add	314.91	
		For 1-1/4" Mesh Fabric, Add	202.70	
		For 1-3/4" Mesh Fabric, Add	125.96	
		For 2-1/8" Mesh Fabric, Deduct	-62.98	
		For Gate With Single Barb Wire Arm, Add	79.63	
		For Gate With Double Barb Wire Arm, Add	115.83	
32 31 13 13-0391		5' Fence Height (32 31 13 13-0370)		
32 31 13 13-0392	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	139.03	21.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-14.02	
		For 1" Mesh Fabric, Add	32.52	
		For 1-1/4" Mesh Fabric, Add	20.93	
		For 1-3/4" Mesh Fabric, Add	13.01	
		For 2-1/8" Mesh Fabric, Deduct	-6.50	
		For Gate With Single Barb Wire Arm, Add	8.22	
		For Gate With Double Barb Wire Arm, Add	11.96	
32 31 13 13-0393	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	163.95	21.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-18.69	
		For 1" Mesh Fabric, Add	43.36	
		For 1-1/4" Mesh Fabric, Add	27.91	
		For 1-3/4" Mesh Fabric, Add	17.34	
		For 2-1/8" Mesh Fabric, Deduct	-8.67	
		For Gate With Single Barb Wire Arm, Add	10.96	
		For Gate With Double Barb Wire Arm, Add	15.95	
32 31 13 13-0394	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	186.66	22.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-22.19	
		For 1" Mesh Fabric, Add	51.49	
		For 1-1/4" Mesh Fabric, Add	33.14	
		For 1-3/4" Mesh Fabric, Add	20.60	
		For 2-1/8" Mesh Fabric, Deduct	-10.30	
		For Gate With Single Barb Wire Arm, Add	13.02	
		For Gate With Double Barb Wire Arm, Add	18.94	
32 31 13 13-0395	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	219.00	27.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.70	
		For 1" Mesh Fabric, Add	59.62	
		For 1-1/4" Mesh Fabric, Add	38.37	
		For 1-3/4" Mesh Fabric, Add	23.85	
		For 2-1/8" Mesh Fabric, Deduct	-11.92	
		For Gate With Single Barb Wire Arm, Add	15.08	
		For Gate With Double Barb Wire Arm, Add	21.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0396	EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	251.35	31.81
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.20	
			For 1" Mesh Fabric, Add	67.75	
			For 1-1/4" Mesh Fabric, Add	43.61	
			For 1-3/4" Mesh Fabric, Add	27.10	
			For 2-1/8" Mesh Fabric, Deduct	-13.55	
			For Gate With Single Barb Wire Arm, Add	17.13	
			For Gate With Double Barb Wire Arm, Add	24.92	
32 31	13	13-0397	EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	284.50	36.63
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.71	
			For 1" Mesh Fabric, Add	75.88	
			For 1-1/4" Mesh Fabric, Add	48.84	
			For 1-3/4" Mesh Fabric, Add	30.35	
			For 2-1/8" Mesh Fabric, Deduct	-15.18	
			For Gate With Single Barb Wire Arm, Add	19.19	
			For Gate With Double Barb Wire Arm, Add	27.91	
32 31	13	13-0398	EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	316.84	41.22
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.21	
			For 1" Mesh Fabric, Add	84.01	
			For 1-1/4" Mesh Fabric, Add	54.07	
			For 1-3/4" Mesh Fabric, Add	33.60	
			For 2-1/8" Mesh Fabric, Deduct	-16.80	
			For Gate With Single Barb Wire Arm, Add	21.24	
			For Gate With Double Barb Wire Arm, Add	30.90	
32 31	13	13-0399	EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	349.19	45.71
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.71	
			For 1" Mesh Fabric, Add	92.13	
			For 1-1/4" Mesh Fabric, Add	59.30	
			For 1-3/4" Mesh Fabric, Add	36.85	
			For 2-1/8" Mesh Fabric, Deduct	-18.43	
			For Gate With Single Barb Wire Arm, Add	23.30	
			For Gate With Double Barb Wire Arm, Add	33.89	
32 31	13	13-0400	EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	436.76	45.87
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.07	
			For 1" Mesh Fabric, Add	130.07	
			For 1-1/4" Mesh Fabric, Add	83.73	
			For 1-3/4" Mesh Fabric, Add	52.03	
			For 2-1/8" Mesh Fabric, Deduct	-26.01	
			For Gate With Single Barb Wire Arm, Add	32.89	
			For Gate With Double Barb Wire Arm, Add	47.84	
32 31	13	13-0401	EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	507.15	49.41
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.28	
			For 1" Mesh Fabric, Add	156.09	
			For 1-1/4" Mesh Fabric, Add	100.47	
			For 1-3/4" Mesh Fabric, Add	62.43	
			For 2-1/8" Mesh Fabric, Deduct	-31.22	
			For Gate With Single Barb Wire Arm, Add	39.47	
			For Gate With Double Barb Wire Arm, Add	57.41	
32 31	13	13-0402	EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	579.30	53.51
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.49	
			For 1" Mesh Fabric, Add	182.10	
			For 1-1/4" Mesh Fabric, Add	117.21	
			For 1-3/4" Mesh Fabric, Add	72.84	
			For 2-1/8" Mesh Fabric, Deduct	-36.42	
			For Gate With Single Barb Wire Arm, Add	46.05	
			For Gate With Double Barb Wire Arm, Add	66.98	
32 31	13	13-0403	EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	675.51	65.59
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.71	
			For 1" Mesh Fabric, Add	208.12	
			For 1-1/4" Mesh Fabric, Add	133.96	
			For 1-3/4" Mesh Fabric, Add	83.25	
			For 2-1/8" Mesh Fabric, Deduct	-41.62	
			For Gate With Single Barb Wire Arm, Add	52.63	
			For Gate With Double Barb Wire Arm, Add	76.55	
32 31	13	13-0404	EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	749.39	70.31
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.92	
			For 1" Mesh Fabric, Add	234.13	
			For 1-1/4" Mesh Fabric, Add	150.70	
			For 1-3/4" Mesh Fabric, Add	93.65	
			For 2-1/8" Mesh Fabric, Deduct	-46.83	
			For Gate With Single Barb Wire Arm, Add	59.21	
			For Gate With Double Barb Wire Arm, Add	86.12	
32 31	13	13-0405	EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	825.44	75.75
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.13	
			For 1" Mesh Fabric, Add	260.14	
			For 1-1/4" Mesh Fabric, Add	167.45	
			For 1-3/4" Mesh Fabric, Add	104.06	
			For 2-1/8" Mesh Fabric, Deduct	-52.03	
			For Gate With Single Barb Wire Arm, Add	65.78	
			For Gate With Double Barb Wire Arm, Add	95.68	
32 31	13	13-0406	EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	904.20	82.04
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.35	
			For 1" Mesh Fabric, Add	286.16	
			For 1-1/4" Mesh Fabric, Add	184.20	
			For 1-3/4" Mesh Fabric, Add	114.46	
			For 2-1/8" Mesh Fabric, Deduct	-57.23	
			For Gate With Single Barb Wire Arm, Add	72.36	
			For Gate With Double Barb Wire Arm, Add	105.25	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0407	EA 24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	986.39 -134.56 312.17 200.94 124.87 -62.43 78.94 114.82	89.52
32 31 13 13-0408	EA 26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,073.07 -145.77 338.19 217.68 135.27 -67.64 85.52 124.39	98.48
32 31 13 13-0409	EA 28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,165.73 -156.98 364.20 234.43 145.68 -72.84 92.10 133.96	109.38
32 31 13 13-0410	EA 30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,266.59 -168.20 390.22 251.17 156.09 -78.04 98.68 143.53	123.06
32 31 13 13-0411 6' Fence Height (32 31 13 13-0370)			
32 31 13 13-0412	EA 3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	148.75 -14.98 34.75 22.37 13.90 -6.95 8.79 12.78	22.90
32 31 13 13-0413	EA 4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	175.38 -19.97 46.34 29.83 18.53 -9.27 11.72 17.04	22.90
32 31 13 13-0414	EA 5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	199.61 -23.72 55.03 35.42 22.01 -11.01 13.92 20.24	24.34
32 31 13 13-0415	EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	234.84 -27.46 63.71 41.01 25.49 -12.74 16.11 23.44	29.40
32 31 13 13-0416	EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	270.08 -31.21 72.40 46.60 28.96 -14.48 18.31 26.63	34.55
32 31 13 13-0417	EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	304.51 -34.95 81.09 52.19 32.44 -16.22 20.51 29.83	39.37
32 31 13 13-0418	EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	339.77 -38.70 89.78 57.79 35.91 -17.96 22.70 33.02	44.43

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0419	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	375.00	49.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.44	
		For 1" Mesh Fabric, Add	98.47	
		For 1-1/4" Mesh Fabric, Add	63.38	
		For 1-3/4" Mesh Fabric, Add	39.39	
		For 2-1/8" Mesh Fabric, Deduct	-19.69	
		For Gate With Single Barb Wire Arm, Add	24.90	
		For Gate With Double Barb Wire Arm, Add	36.22	
32 31 13 13-0420	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	467.89	49.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.92	
		For 1" Mesh Fabric, Add	139.01	
		For 1-1/4" Mesh Fabric, Add	89.48	
		For 1-3/4" Mesh Fabric, Add	55.60	
		For 2-1/8" Mesh Fabric, Deduct	-27.80	
		For Gate With Single Barb Wire Arm, Add	35.15	
		For Gate With Double Barb Wire Arm, Add	51.13	
32 31 13 13-0421	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	544.16	53.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.90	
		For 1" Mesh Fabric, Add	166.81	
		For 1-1/4" Mesh Fabric, Add	107.37	
		For 1-3/4" Mesh Fabric, Add	66.73	
		For 2-1/8" Mesh Fabric, Deduct	-33.36	
		For Gate With Single Barb Wire Arm, Add	42.18	
		For Gate With Double Barb Wire Arm, Add	61.36	
32 31 13 13-0422	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	658.55	70.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
		For 1" Mesh Fabric, Add	194.61	
		For 1-1/4" Mesh Fabric, Add	125.27	
		For 1-3/4" Mesh Fabric, Add	77.85	
		For 2-1/8" Mesh Fabric, Deduct	-38.92	
		For Gate With Single Barb Wire Arm, Add	49.21	
		For Gate With Double Barb Wire Arm, Add	71.58	
32 31 13 13-0423	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	738.71	75.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.87	
		For 1" Mesh Fabric, Add	222.42	
		For 1-1/4" Mesh Fabric, Add	143.16	
		For 1-3/4" Mesh Fabric, Add	88.97	
		For 2-1/8" Mesh Fabric, Deduct	-44.48	
		For Gate With Single Barb Wire Arm, Add	56.24	
		For Gate With Double Barb Wire Arm, Add	81.81	
32 31 13 13-0424	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	821.57	82.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.85	
		For 1" Mesh Fabric, Add	250.22	
		For 1-1/4" Mesh Fabric, Add	161.06	
		For 1-3/4" Mesh Fabric, Add	100.09	
		For 2-1/8" Mesh Fabric, Deduct	-50.04	
		For Gate With Single Barb Wire Arm, Add	63.27	
		For Gate With Double Barb Wire Arm, Add	92.03	
32 31 13 13-0425	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	919.69	89.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.05	
		For 1" Mesh Fabric, Add	283.16	
		For 1-1/4" Mesh Fabric, Add	182.26	
		For 1-3/4" Mesh Fabric, Add	113.26	
		For 2-1/8" Mesh Fabric, Deduct	-56.63	
		For Gate With Single Barb Wire Arm, Add	71.60	
		For Gate With Double Barb Wire Arm, Add	104.15	
32 31 13 13-0426	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,000.81	98.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.22	
		For 1" Mesh Fabric, Add	306.75	
		For 1-1/4" Mesh Fabric, Add	197.45	
		For 1-3/4" Mesh Fabric, Add	122.70	
		For 2-1/8" Mesh Fabric, Deduct	-61.35	
		For Gate With Single Barb Wire Arm, Add	77.57	
		For Gate With Double Barb Wire Arm, Add	112.83	
32 31 13 13-0427	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,095.43	109.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.80	
		For 1" Mesh Fabric, Add	333.62	
		For 1-1/4" Mesh Fabric, Add	214.75	
		For 1-3/4" Mesh Fabric, Add	133.45	
		For 2-1/8" Mesh Fabric, Deduct	-66.72	
		For Gate With Single Barb Wire Arm, Add	84.36	
		For Gate With Double Barb Wire Arm, Add	122.71	
32 31 13 13-0428	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,200.40	123.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.79	
		For 1" Mesh Fabric, Add	361.42	
		For 1-1/4" Mesh Fabric, Add	232.64	
		For 1-3/4" Mesh Fabric, Add	144.57	
		For 2-1/8" Mesh Fabric, Deduct	-72.28	
		For Gate With Single Barb Wire Arm, Add	91.39	
		For Gate With Double Barb Wire Arm, Add	132.94	
32 31 13 13-0429	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,317.11	140.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.77	
		For 1" Mesh Fabric, Add	389.23	
		For 1-1/4" Mesh Fabric, Add	250.54	
		For 1-3/4" Mesh Fabric, Add	155.69	
		For 2-1/8" Mesh Fabric, Deduct	-77.85	
		For Gate With Single Barb Wire Arm, Add	98.43	
		For Gate With Double Barb Wire Arm, Add	143.16	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0430	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,451.40	164.07
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-179.75	
		<i>For 1" Mesh Fabric, Add</i>	417.03	
		<i>For 1-1/4" Mesh Fabric, Add</i>	268.43	
		<i>For 1-3/4" Mesh Fabric, Add</i>	166.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.41	
		<i>For Gate With Single Barb Wire Arm, Add</i>	105.46	
		<i>For Gate With Double Barb Wire Arm, Add</i>	153.39	
32 31 13 13-0431		7' Fence Height <small>(32 31 13 13-0370)</small>		
32 31 13 13-0432	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	158.08	24.67
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-15.73	
		<i>For 1" Mesh Fabric, Add</i>	36.50	
		<i>For 1-1/4" Mesh Fabric, Add</i>	23.49	
		<i>For 1-3/4" Mesh Fabric, Add</i>	14.60	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-7.30	
		<i>For Gate With Single Barb Wire Arm, Add</i>	9.23	
		<i>For Gate With Double Barb Wire Arm, Add</i>	13.43	
32 31 13 13-0433	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	186.06	24.67
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.98	
		<i>For 1" Mesh Fabric, Add</i>	48.67	
		<i>For 1-1/4" Mesh Fabric, Add</i>	31.33	
		<i>For 1-3/4" Mesh Fabric, Add</i>	19.47	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-9.73	
		<i>For Gate With Single Barb Wire Arm, Add</i>	12.31	
		<i>For Gate With Double Barb Wire Arm, Add</i>	17.90	
32 31 13 13-0434	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	210.80	25.95
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.91	
		<i>For 1" Mesh Fabric, Add</i>	57.80	
		<i>For 1-1/4" Mesh Fabric, Add</i>	37.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	23.12	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-11.56	
		<i>For Gate With Single Barb Wire Arm, Add</i>	14.62	
		<i>For Gate With Double Barb Wire Arm, Add</i>	21.26	
32 31 13 13-0435	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	248.65	31.58
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-28.85	
		<i>For 1" Mesh Fabric, Add</i>	66.92	
		<i>For 1-1/4" Mesh Fabric, Add</i>	43.08	
		<i>For 1-3/4" Mesh Fabric, Add</i>	26.77	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-13.38	
		<i>For Gate With Single Barb Wire Arm, Add</i>	16.92	
		<i>For Gate With Double Barb Wire Arm, Add</i>	24.61	
32 31 13 13-0436	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	285.70	36.96
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.78	
		<i>For 1" Mesh Fabric, Add</i>	76.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	48.95	
		<i>For 1-3/4" Mesh Fabric, Add</i>	30.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-15.21	
		<i>For Gate With Single Barb Wire Arm, Add</i>	19.23	
		<i>For Gate With Double Barb Wire Arm, Add</i>	27.97	
32 31 13 13-0437	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	323.55	42.50
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.71	
		<i>For 1" Mesh Fabric, Add</i>	85.18	
		<i>For 1-1/4" Mesh Fabric, Add</i>	54.83	
		<i>For 1-3/4" Mesh Fabric, Add</i>	34.07	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-17.04	
		<i>For Gate With Single Barb Wire Arm, Add</i>	21.54	
		<i>For Gate With Double Barb Wire Arm, Add</i>	31.33	
32 31 13 13-0438	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	360.59	47.89
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-40.65	
		<i>For 1" Mesh Fabric, Add</i>	94.30	
		<i>For 1-1/4" Mesh Fabric, Add</i>	60.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	37.72	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-18.86	
		<i>For Gate With Single Barb Wire Arm, Add</i>	23.85	
		<i>For Gate With Double Barb Wire Arm, Add</i>	34.68	
32 31 13 13-0439	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	398.45	53.51
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-44.58	
		<i>For 1" Mesh Fabric, Add</i>	103.43	
		<i>For 1-1/4" Mesh Fabric, Add</i>	66.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	41.37	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-20.69	
		<i>For Gate With Single Barb Wire Arm, Add</i>	26.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	38.04	
32 31 13 13-0440	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	496.34	53.51
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.94	
		<i>For 1" Mesh Fabric, Add</i>	146.01	
		<i>For 1-1/4" Mesh Fabric, Add</i>	93.98	
		<i>For 1-3/4" Mesh Fabric, Add</i>	58.40	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.20	
		<i>For Gate With Single Barb Wire Arm, Add</i>	36.92	
		<i>For Gate With Double Barb Wire Arm, Add</i>	53.71	
32 31 13 13-0441	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	613.94	70.31
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-75.52	
		<i>For 1" Mesh Fabric, Add</i>	175.21	
		<i>For 1-1/4" Mesh Fabric, Add</i>	112.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	70.08	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-35.04	
		<i>For Gate With Single Barb Wire Arm, Add</i>	44.31	
		<i>For Gate With Double Barb Wire Arm, Add</i>	64.44	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0442	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	697.33 -88.11 204.42 131.58 81.77 -40.88 51.69 75.19	75.75
32 31 13 13-0443	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	783.41 -100.70 233.62 150.37 93.45 -46.72 59.08 85.93	82.04
32 31 13 13-0444	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	872.94 -113.29 262.82 169.17 105.13 -52.56 66.46 96.67	89.52
32 31 13 13-0445	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	966.94 -125.87 292.02 187.97 116.81 -58.40 73.84 107.41	98.48
32 31 13 13-0446	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,066.91 -138.46 321.22 206.76 128.49 -64.24 81.23 118.15	109.38
32 31 13 13-0447	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,175.11 -151.04 350.42 225.56 140.17 -70.08 88.61 128.89	123.06
32 31 13 13-0448	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,295.04 -163.63 379.63 244.36 151.85 -75.93 96.00 139.63	140.61
32 31 13 13-0449	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,432.54 -176.22 408.83 263.15 163.53 -81.77 103.38 150.37	164.07
32 31 13 13-0450	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,598.23 -188.81 438.03 281.95 175.21 -87.61 110.77 161.12	196.87
32 31 13 13-0451		8' Fence Height (32 31 13 13-0370)		
32 31 13 13-0452	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	182.05 -19.07 44.24 28.48 17.70 -8.85 11.19 16.27	26.75
32 31 13 13-0453	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	215.95 -25.43 58.99 37.97 23.60 -11.80 14.92 21.70	26.75

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0454	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	238.55	26.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.66	
		For 1" Mesh Fabric, Add	68.82	
		For 1-1/4" Mesh Fabric, Add	44.30	
		For 1-3/4" Mesh Fabric, Add	27.53	
		For 2-1/8" Mesh Fabric, Deduct	-13.76	
		For Gate With Single Barb Wire Arm, Add	17.40	
		For Gate With Double Barb Wire Arm, Add	25.31	
32 31 13 13-0455	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	282.05	33.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.90	
		For 1" Mesh Fabric, Add	78.66	
		For 1-1/4" Mesh Fabric, Add	50.63	
		For 1-3/4" Mesh Fabric, Add	31.46	
		For 2-1/8" Mesh Fabric, Deduct	-15.73	
		For Gate With Single Barb Wire Arm, Add	19.89	
		For Gate With Double Barb Wire Arm, Add	28.93	
32 31 13 13-0456	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	325.54	40.65
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.14	
		For 1" Mesh Fabric, Add	88.49	
		For 1-1/4" Mesh Fabric, Add	56.96	
		For 1-3/4" Mesh Fabric, Add	35.40	
		For 2-1/8" Mesh Fabric, Deduct	-17.70	
		For Gate With Single Barb Wire Arm, Add	22.38	
		For Gate With Double Barb Wire Arm, Add	32.55	
32 31 13 13-0457	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	368.23	47.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.38	
		For 1" Mesh Fabric, Add	98.32	
		For 1-1/4" Mesh Fabric, Add	63.29	
		For 1-3/4" Mesh Fabric, Add	39.33	
		For 2-1/8" Mesh Fabric, Deduct	-19.66	
		For Gate With Single Barb Wire Arm, Add	24.86	
		For Gate With Double Barb Wire Arm, Add	36.16	
32 31 13 13-0458	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	411.72	54.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.62	
		For 1" Mesh Fabric, Add	108.15	
		For 1-1/4" Mesh Fabric, Add	69.61	
		For 1-3/4" Mesh Fabric, Add	43.26	
		For 2-1/8" Mesh Fabric, Deduct	-21.63	
		For Gate With Single Barb Wire Arm, Add	27.35	
		For Gate With Double Barb Wire Arm, Add	39.78	
32 31 13 13-0459	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	455.20	61.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.85	
		For 1" Mesh Fabric, Add	117.98	
		For 1-1/4" Mesh Fabric, Add	75.94	
		For 1-3/4" Mesh Fabric, Add	47.19	
		For 2-1/8" Mesh Fabric, Deduct	-23.60	
		For Gate With Single Barb Wire Arm, Add	29.83	
		For Gate With Double Barb Wire Arm, Add	43.40	
32 31 13 13-0460	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	617.99	70.31
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.28	
		For 1" Mesh Fabric, Add	176.97	
		For 1-1/4" Mesh Fabric, Add	113.91	
		For 1-3/4" Mesh Fabric, Add	70.79	
		For 2-1/8" Mesh Fabric, Deduct	-35.39	
		For Gate With Single Barb Wire Arm, Add	44.75	
		For Gate With Double Barb Wire Arm, Add	65.09	
32 31 13 13-0461	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	715.61	75.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-91.54	
		For 1" Mesh Fabric, Add	212.37	
		For 1-1/4" Mesh Fabric, Add	136.70	
		For 1-3/4" Mesh Fabric, Add	84.95	
		For 2-1/8" Mesh Fabric, Deduct	-42.47	
		For Gate With Single Barb Wire Arm, Add	53.70	
		For Gate With Double Barb Wire Arm, Add	78.11	
32 31 13 13-0462	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	815.92	82.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.79	
		For 1" Mesh Fabric, Add	247.76	
		For 1-1/4" Mesh Fabric, Add	159.48	
		For 1-3/4" Mesh Fabric, Add	99.10	
		For 2-1/8" Mesh Fabric, Deduct	-49.55	
		For Gate With Single Barb Wire Arm, Add	62.65	
		For Gate With Double Barb Wire Arm, Add	91.13	
32 31 13 13-0463	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	919.68	89.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.05	
		For 1" Mesh Fabric, Add	283.15	
		For 1-1/4" Mesh Fabric, Add	182.26	
		For 1-3/4" Mesh Fabric, Add	113.26	
		For 2-1/8" Mesh Fabric, Deduct	-56.63	
		For Gate With Single Barb Wire Arm, Add	71.60	
		For Gate With Double Barb Wire Arm, Add	104.15	
32 31 13 13-0464	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,027.93	98.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.31	
		For 1" Mesh Fabric, Add	318.55	
		For 1-1/4" Mesh Fabric, Add	205.04	
		For 1-3/4" Mesh Fabric, Add	127.42	
		For 2-1/8" Mesh Fabric, Deduct	-63.71	
		For Gate With Single Barb Wire Arm, Add	80.55	
		For Gate With Double Barb Wire Arm, Add	117.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0465	EA		20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,142.14 -152.56 353.94 227.82 141.58 -70.79 89.50 130.19	109.38
32 31 13 13-0466	EA		22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,264.57 -167.82 389.34 250.61 155.74 -77.87 98.45 143.20	123.06
32 31 13 13-0467	EA		24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,398.72 -183.07 424.73 273.39 169.89 -84.95 107.40 156.22	140.61
32 31 13 13-0468	EA		26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,550.47 -198.33 460.13 296.17 184.05 -92.03 116.35 169.24	164.07
32 31 13 13-0469	EA		28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,730.39 -213.59 495.52 318.96 198.21 -99.10 125.30 182.26	196.87
32 31 13 13-0470	EA		30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,959.56 -228.84 530.91 341.74 212.37 -106.18 134.25 195.28	246.12
32 31 13 13-0471			10' Fence Height (22 31 13 13-0370)		
32 31 13 13-0472	EA		3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	207.25 -22.12 51.32 33.03 20.53 -10.26 12.98 18.88	29.73
32 31 13 13-0473	EA		4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	246.58 -29.50 68.43 44.05 27.37 -13.69 17.30 25.17	29.73
32 31 13 13-0474	EA		5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	276.73 -34.41 79.84 51.39 31.94 -15.97 20.19 29.37	31.01
32 31 13 13-0475	EA		6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	325.44 -39.33 91.24 58.73 36.50 -18.25 23.07 33.56	38.56
32 31 13 13-0476	EA		7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	373.36 -44.24 102.65 66.07 41.06 -20.53 25.96 37.76	45.71

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0477	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	422.07	53.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.16	
		For 1" Mesh Fabric, Add	114.06	
		For 1-1/4" Mesh Fabric, Add	73.42	
		For 1-3/4" Mesh Fabric, Add	45.62	
		For 2-1/8" Mesh Fabric, Deduct	-22.81	
		For Gate With Single Barb Wire Arm, Add	28.84	
		For Gate With Double Barb Wire Arm, Add	41.95	
32 31 13 13-0478	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	469.99	60.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.08	
		For 1" Mesh Fabric, Add	125.46	
		For 1-1/4" Mesh Fabric, Add	80.76	
		For 1-3/4" Mesh Fabric, Add	50.19	
		For 2-1/8" Mesh Fabric, Deduct	-25.09	
		For Gate With Single Barb Wire Arm, Add	31.73	
		For Gate With Double Barb Wire Arm, Add	46.15	
32 31 13 13-0479	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	518.71	67.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.99	
		For 1" Mesh Fabric, Add	136.86	
		For 1-1/4" Mesh Fabric, Add	88.10	
		For 1-3/4" Mesh Fabric, Add	54.75	
		For 2-1/8" Mesh Fabric, Deduct	-27.37	
		For Gate With Single Barb Wire Arm, Add	34.61	
		For Gate With Double Barb Wire Arm, Add	50.34	
32 31 13 13-0480	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	706.57	78.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.49	
		For 1" Mesh Fabric, Add	205.29	
		For 1-1/4" Mesh Fabric, Add	132.14	
		For 1-3/4" Mesh Fabric, Add	82.12	
		For 2-1/8" Mesh Fabric, Deduct	-41.06	
		For Gate With Single Barb Wire Arm, Add	51.91	
		For Gate With Double Barb Wire Arm, Add	75.51	
32 31 13 13-0481	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	818.92	84.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.19	
		For 1" Mesh Fabric, Add	246.35	
		For 1-1/4" Mesh Fabric, Add	158.57	
		For 1-3/4" Mesh Fabric, Add	98.54	
		For 2-1/8" Mesh Fabric, Deduct	-49.27	
		For Gate With Single Barb Wire Arm, Add	62.30	
		For Gate With Double Barb Wire Arm, Add	90.61	
32 31 13 13-0482	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	934.45	91.18
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.89	
		For 1" Mesh Fabric, Add	287.41	
		For 1-1/4" Mesh Fabric, Add	185.00	
		For 1-3/4" Mesh Fabric, Add	114.97	
		For 2-1/8" Mesh Fabric, Deduct	-57.48	
		For Gate With Single Barb Wire Arm, Add	72.68	
		For Gate With Double Barb Wire Arm, Add	105.72	
32 31 13 13-0483	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,053.60	99.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.58	
		For 1" Mesh Fabric, Add	328.47	
		For 1-1/4" Mesh Fabric, Add	211.43	
		For 1-3/4" Mesh Fabric, Add	131.39	
		For 2-1/8" Mesh Fabric, Deduct	-65.69	
		For Gate With Single Barb Wire Arm, Add	83.06	
		For Gate With Double Barb Wire Arm, Add	120.82	
32 31 13 13-0484	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,177.98	109.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.28	
		For 1" Mesh Fabric, Add	369.53	
		For 1-1/4" Mesh Fabric, Add	237.86	
		For 1-3/4" Mesh Fabric, Add	147.81	
		For 2-1/8" Mesh Fabric, Deduct	-73.91	
		For Gate With Single Barb Wire Arm, Add	93.45	
		For Gate With Double Barb Wire Arm, Add	135.92	
32 31 13 13-0485	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,308.68	121.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-176.98	
		For 1" Mesh Fabric, Add	410.59	
		For 1-1/4" Mesh Fabric, Add	264.29	
		For 1-3/4" Mesh Fabric, Add	164.24	
		For 2-1/8" Mesh Fabric, Deduct	-82.12	
		For Gate With Single Barb Wire Arm, Add	103.83	
		For Gate With Double Barb Wire Arm, Add	151.02	
32 31 13 13-0486	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,448.87	136.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-194.68	
		For 1" Mesh Fabric, Add	451.65	
		For 1-1/4" Mesh Fabric, Add	290.72	
		For 1-3/4" Mesh Fabric, Add	180.66	
		For 2-1/8" Mesh Fabric, Deduct	-90.33	
		For Gate With Single Barb Wire Arm, Add	114.21	
		For Gate With Double Barb Wire Arm, Add	166.12	
32 31 13 13-0487	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,601.62	156.13
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-212.38	
		For 1" Mesh Fabric, Add	492.71	
		For 1-1/4" Mesh Fabric, Add	317.15	
		For 1-3/4" Mesh Fabric, Add	197.08	
		For 2-1/8" Mesh Fabric, Deduct	-98.54	
		For Gate With Single Barb Wire Arm, Add	124.59	
		For Gate With Double Barb Wire Arm, Add	181.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0488	EA		26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,774.51	182.27
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.07	
			For 1" Mesh Fabric, Add	533.77	
			For 1-1/4" Mesh Fabric, Add	343.57	
			For 1-3/4" Mesh Fabric, Add	213.51	
			For 2-1/8" Mesh Fabric, Deduct	-106.75	
			For Gate With Single Barb Wire Arm, Add	134.98	
			For Gate With Double Barb Wire Arm, Add	196.33	
32 31 13 13-0489	EA		28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,977.81	218.58
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.77	
			For 1" Mesh Fabric, Add	574.83	
			For 1-1/4" Mesh Fabric, Add	370.00	
			For 1-3/4" Mesh Fabric, Add	229.93	
			For 2-1/8" Mesh Fabric, Deduct	-114.97	
			For Gate With Single Barb Wire Arm, Add	145.36	
			For Gate With Double Barb Wire Arm, Add	211.43	
32 31 13 13-0490	EA		30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,237.02	273.45
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-265.47	
			For 1" Mesh Fabric, Add	615.89	
			For 1-1/4" Mesh Fabric, Add	396.43	
			For 1-3/4" Mesh Fabric, Add	246.35	
			For 2-1/8" Mesh Fabric, Deduct	-123.18	
			For Gate With Single Barb Wire Arm, Add	155.74	
			For Gate With Double Barb Wire Arm, Add	226.53	
32 31 13 13-0491			12' Fence Height (32 31 13 13-0370)		
32 31 13 13-0492	EA		3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	263.73	33.02
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-30.85	
			For 1" Mesh Fabric, Add	71.57	
			For 1-1/4" Mesh Fabric, Add	46.07	
			For 1-3/4" Mesh Fabric, Add	28.63	
			For 2-1/8" Mesh Fabric, Deduct	-14.31	
			For Gate With Single Barb Wire Arm, Add	18.10	
			For Gate With Double Barb Wire Arm, Add	26.33	
32 31 13 13-0493	EA		4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	318.43	33.02
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.11	
			For 1" Mesh Fabric, Add	95.37	
			For 1-1/4" Mesh Fabric, Add	61.39	
			For 1-3/4" Mesh Fabric, Add	38.15	
			For 2-1/8" Mesh Fabric, Deduct	-19.07	
			For Gate With Single Barb Wire Arm, Add	24.12	
			For Gate With Double Barb Wire Arm, Add	35.08	
32 31 13 13-0494	EA		5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	362.76	34.22
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.74	
			For 1" Mesh Fabric, Add	113.07	
			For 1-1/4" Mesh Fabric, Add	72.78	
			For 1-3/4" Mesh Fabric, Add	45.23	
			For 2-1/8" Mesh Fabric, Deduct	-22.61	
			For Gate With Single Barb Wire Arm, Add	28.59	
			For Gate With Double Barb Wire Arm, Add	41.59	
32 31 13 13-0495	EA		6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	421.57	42.50
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
			For 1" Mesh Fabric, Add	127.82	
			For 1-1/4" Mesh Fabric, Add	82.27	
			For 1-3/4" Mesh Fabric, Add	51.13	
			For 2-1/8" Mesh Fabric, Deduct	-25.56	
			For Gate With Single Barb Wire Arm, Add	32.32	
			For Gate With Double Barb Wire Arm, Add	47.01	
32 31 13 13-0496	EA		7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	484.16	50.86
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.16	
			For 1" Mesh Fabric, Add	144.20	
			For 1-1/4" Mesh Fabric, Add	92.82	
			For 1-3/4" Mesh Fabric, Add	57.68	
			For 2-1/8" Mesh Fabric, Deduct	-28.84	
			For Gate With Single Barb Wire Arm, Add	36.47	
			For Gate With Double Barb Wire Arm, Add	53.04	
32 31 13 13-0497	EA		8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	545.93	58.89
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.22	
			For 1" Mesh Fabric, Add	160.59	
			For 1-1/4" Mesh Fabric, Add	103.37	
			For 1-3/4" Mesh Fabric, Add	64.24	
			For 2-1/8" Mesh Fabric, Deduct	-32.12	
			For Gate With Single Barb Wire Arm, Add	40.61	
			For Gate With Double Barb Wire Arm, Add	59.07	
32 31 13 13-0498	EA		9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	608.50	67.17
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.28	
			For 1" Mesh Fabric, Add	176.98	
			For 1-1/4" Mesh Fabric, Add	113.92	
			For 1-3/4" Mesh Fabric, Add	70.79	
			For 2-1/8" Mesh Fabric, Deduct	-35.40	
			For Gate With Single Barb Wire Arm, Add	44.75	
			For Gate With Double Barb Wire Arm, Add	65.09	
32 31 13 13-0499	EA		10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	667.31	75.44
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.64	
			For 1" Mesh Fabric, Add	191.72	
			For 1-1/4" Mesh Fabric, Add	123.41	
			For 1-3/4" Mesh Fabric, Add	76.69	
			For 2-1/8" Mesh Fabric, Deduct	-38.34	
			For Gate With Single Barb Wire Arm, Add	48.48	
			For Gate With Double Barb Wire Arm, Add	70.52	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences and Gates

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0500	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	921.48	86.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.92	
		For 1" Mesh Fabric, Add	287.48	
		For 1-1/4" Mesh Fabric, Add	185.05	
		For 1-3/4" Mesh Fabric, Add	114.99	
		For 2-1/8" Mesh Fabric, Deduct	-57.50	
		For Gate With Single Barb Wire Arm, Add	72.70	
		For Gate With Double Barb Wire Arm, Add	105.74	
32 31 13 13-0501	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,095.17	93.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-152.73	
		For 1" Mesh Fabric, Add	354.34	
		For 1-1/4" Mesh Fabric, Add	228.08	
		For 1-3/4" Mesh Fabric, Add	141.74	
		For 2-1/8" Mesh Fabric, Deduct	-70.87	
		For Gate With Single Barb Wire Arm, Add	89.60	
		For Gate With Double Barb Wire Arm, Add	130.33	
32 31 13 13-0502	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,255.23	101.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-178.33	
		For 1" Mesh Fabric, Add	413.72	
		For 1-1/4" Mesh Fabric, Add	266.31	
		For 1-3/4" Mesh Fabric, Add	165.49	
		For 2-1/8" Mesh Fabric, Deduct	-82.74	
		For Gate With Single Barb Wire Arm, Add	104.62	
		For Gate With Double Barb Wire Arm, Add	152.17	
32 31 13 13-0503	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,418.42	110.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.76	
		For 1" Mesh Fabric, Add	472.71	
		For 1-1/4" Mesh Fabric, Add	304.28	
		For 1-3/4" Mesh Fabric, Add	189.09	
		For 2-1/8" Mesh Fabric, Deduct	-94.54	
		For Gate With Single Barb Wire Arm, Add	119.54	
		For Gate With Double Barb Wire Arm, Add	173.87	
32 31 13 13-0504	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,585.49	121.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.85	
		For 1" Mesh Fabric, Add	530.92	
		For 1-1/4" Mesh Fabric, Add	341.74	
		For 1-3/4" Mesh Fabric, Add	212.37	
		For 2-1/8" Mesh Fabric, Deduct	-106.18	
		For Gate With Single Barb Wire Arm, Add	134.26	
		For Gate With Double Barb Wire Arm, Add	195.28	
32 31 13 13-0505	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,761.31	134.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-254.27	
		For 1" Mesh Fabric, Add	589.91	
		For 1-1/4" Mesh Fabric, Add	379.71	
		For 1-3/4" Mesh Fabric, Add	235.96	
		For 2-1/8" Mesh Fabric, Deduct	-117.98	
		For Gate With Single Barb Wire Arm, Add	149.17	
		For Gate With Double Barb Wire Arm, Add	216.98	
32 31 13 13-0506	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,947.95	151.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.70	
		For 1" Mesh Fabric, Add	648.90	
		For 1-1/4" Mesh Fabric, Add	417.68	
		For 1-3/4" Mesh Fabric, Add	259.56	
		For 2-1/8" Mesh Fabric, Deduct	-129.78	
		For Gate With Single Barb Wire Arm, Add	164.09	
		For Gate With Double Barb Wire Arm, Add	238.68	
32 31 13 13-0507	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,148.40	173.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.13	
		For 1" Mesh Fabric, Add	707.89	
		For 1-1/4" Mesh Fabric, Add	455.66	
		For 1-3/4" Mesh Fabric, Add	283.16	
		For 2-1/8" Mesh Fabric, Deduct	-141.58	
		For Gate With Single Barb Wire Arm, Add	179.01	
		For Gate With Double Barb Wire Arm, Add	260.37	
32 31 13 13-0508	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,375.77	202.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-331.40	
		For 1" Mesh Fabric, Add	768.85	
		For 1-1/4" Mesh Fabric, Add	494.89	
		For 1-3/4" Mesh Fabric, Add	307.54	
		For 2-1/8" Mesh Fabric, Deduct	-153.77	
		For Gate With Single Barb Wire Arm, Add	194.42	
		For Gate With Double Barb Wire Arm, Add	282.80	
32 31 13 13-0509	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,632.39	242.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-356.83	
		For 1" Mesh Fabric, Add	827.84	
		For 1-1/4" Mesh Fabric, Add	532.87	
		For 1-3/4" Mesh Fabric, Add	331.14	
		For 2-1/8" Mesh Fabric, Deduct	-165.57	
		For Gate With Single Barb Wire Arm, Add	209.34	
		For Gate With Double Barb Wire Arm, Add	304.49	
32 31 13 13-0510	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,951.13	303.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-382.26	
		For 1" Mesh Fabric, Add	886.83	
		For 1-1/4" Mesh Fabric, Add	570.84	
		For 1-3/4" Mesh Fabric, Add	354.73	
		For 2-1/8" Mesh Fabric, Deduct	-177.37	
		For Gate With Single Barb Wire Arm, Add	224.26	
		For Gate With Double Barb Wire Arm, Add	326.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0511			Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0228)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0595 for additional gate accessories, 32 31 13 13-0655 for gate replacement parts.		
32 31 13 13-0512			4' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31 13 13-0513	EA		10' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,155.52	299.88
			For 1" Mesh Fabric, Add	676.74	
			For 1-1/4" Mesh Fabric, Add	435.60	
			For 1-3/4" Mesh Fabric, Add	270.70	
			For 2-1/8" Mesh Fabric, Deduct	-135.35	
			For Gate With Barb Wire Arm, Add	171.13	
			For Vinyl Coated, Add	466.72	
32 31 13 13-0514	EA		12' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,590.89	362.05
			For 1" Mesh Fabric, Add	812.09	
			For 1-1/4" Mesh Fabric, Add	522.72	
			For 1-3/4" Mesh Fabric, Add	324.84	
			For 2-1/8" Mesh Fabric, Deduct	-162.42	
			For Gate With Barb Wire Arm, Add	205.36	
			For Vinyl Coated, Add	560.06	
32 31 13 13-0515	EA		14' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,022.87	422.38
			For 1" Mesh Fabric, Add	947.44	
			For 1-1/4" Mesh Fabric, Add	609.85	
			For 1-3/4" Mesh Fabric, Add	378.98	
			For 2-1/8" Mesh Fabric, Deduct	-189.49	
			For Gate With Barb Wire Arm, Add	239.58	
			For Vinyl Coated, Add	653.41	
32 31 13 13-0516	EA		16' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,460.09	485.47
			For 1" Mesh Fabric, Add	1,082.78	
			For 1-1/4" Mesh Fabric, Add	696.96	
			For 1-3/4" Mesh Fabric, Add	433.11	
			For 2-1/8" Mesh Fabric, Deduct	-216.56	
			For Gate With Barb Wire Arm, Add	273.81	
			For Vinyl Coated, Add	746.75	
32 31 13 13-0517	EA		18' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,892.64	546.17
			For 1" Mesh Fabric, Add	1,218.13	
			For 1-1/4" Mesh Fabric, Add	784.09	
			For 1-3/4" Mesh Fabric, Add	487.25	
			For 2-1/8" Mesh Fabric, Deduct	-243.63	
			For Gate With Barb Wire Arm, Add	308.03	
			For Vinyl Coated, Add	840.09	
32 31 13 13-0518	EA		20' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,313.99	601.24
			For 1" Mesh Fabric, Add	1,353.49	
			For 1-1/4" Mesh Fabric, Add	871.21	
			For 1-3/4" Mesh Fabric, Add	541.39	
			For 2-1/8" Mesh Fabric, Deduct	-270.70	
			For Gate With Barb Wire Arm, Add	342.26	
			For Vinyl Coated, Add	933.44	
32 31 13 13-0519	EA		24' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	5,154.38	724.02
			For 1" Mesh Fabric, Add	1,612.26	
			For 1-1/4" Mesh Fabric, Add	1,037.78	
			For 1-3/4" Mesh Fabric, Add	644.90	
			For 2-1/8" Mesh Fabric, Deduct	-322.45	
			For Gate With Barb Wire Arm, Add	407.70	
			For Vinyl Coated, Add	1,111.91	
32 31 13 13-0520	EA		30' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	7,400.44	1,366.64
			For 1" Mesh Fabric, Add	2,030.22	
			For 1-1/4" Mesh Fabric, Add	1,306.81	
			For 1-3/4" Mesh Fabric, Add	812.09	
			For 2-1/8" Mesh Fabric, Deduct	-406.04	
			For Gate With Barb Wire Arm, Add	513.39	
			For Vinyl Coated, Add	1,400.15	
32 31 13 13-0521	EA		40' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	9,867.24	1,822.18
			For 1" Mesh Fabric, Add	2,706.96	
			For 1-1/4" Mesh Fabric, Add	1,742.41	
			For 1-3/4" Mesh Fabric, Add	1,082.78	
			For 2-1/8" Mesh Fabric, Deduct	-541.39	
			For Gate With Barb Wire Arm, Add	684.52	
			For Vinyl Coated, Add	1,866.87	
32 31 13 13-0522			5' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31 13 13-0523	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	2,254.23	326.39
			For 1" Mesh Fabric, Add	696.63	
			For 1-1/4" Mesh Fabric, Add	448.41	
			For 1-3/4" Mesh Fabric, Add	278.65	
			For 2-1/8" Mesh Fabric, Deduct	-139.33	
			For Gate With Barb Wire Arm, Add	176.16	
			For Vinyl Coated, Add	480.44	
32 31 13 13-0524	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	2,704.16	391.24
			For 1" Mesh Fabric, Add	835.96	
			For 1-1/4" Mesh Fabric, Add	538.09	
			For 1-3/4" Mesh Fabric, Add	334.38	
			For 2-1/8" Mesh Fabric, Deduct	-167.19	
			For Gate With Barb Wire Arm, Add	211.39	
			For Vinyl Coated, Add	576.52	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0525	EA 14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,154.69	456.38
	For 1" Mesh Fabric, Add	975.28	
	For 1-1/4" Mesh Fabric, Add	627.77	
	For 1-3/4" Mesh Fabric, Add	390.11	
	For 2-1/8" Mesh Fabric, Deduct	-195.06	
	For Gate With Barb Wire Arm, Add	246.62	
	For Vinyl Coated, Add	672.61	
32 31 13 13-0526	EA 16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,605.62	521.69
	For 1" Mesh Fabric, Add	1,114.61	
	For 1-1/4" Mesh Fabric, Add	717.45	
	For 1-3/4" Mesh Fabric, Add	445.84	
	For 2-1/8" Mesh Fabric, Deduct	-222.92	
	For Gate With Barb Wire Arm, Add	281.86	
	For Vinyl Coated, Add	768.70	
32 31 13 13-0527	EA 18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,056.10	586.73
	For 1" Mesh Fabric, Add	1,253.93	
	For 1-1/4" Mesh Fabric, Add	807.13	
	For 1-3/4" Mesh Fabric, Add	501.57	
	For 2-1/8" Mesh Fabric, Deduct	-250.79	
	For Gate With Barb Wire Arm, Add	317.09	
	For Vinyl Coated, Add	864.78	
32 31 13 13-0528	EA 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,506.83	651.96
	For 1" Mesh Fabric, Add	1,393.26	
	For 1-1/4" Mesh Fabric, Add	896.81	
	For 1-3/4" Mesh Fabric, Add	557.30	
	For 2-1/8" Mesh Fabric, Deduct	-278.65	
	For Gate With Barb Wire Arm, Add	352.32	
	For Vinyl Coated, Add	960.87	
32 31 13 13-0529	EA 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,381.78	783.23
	For 1" Mesh Fabric, Add	1,659.65	
	For 1-1/4" Mesh Fabric, Add	1,068.28	
	For 1-3/4" Mesh Fabric, Add	663.86	
	For 2-1/8" Mesh Fabric, Deduct	-331.93	
	For Gate With Barb Wire Arm, Add	419.68	
	For Vinyl Coated, Add	1,144.58	
32 31 13 13-0530	EA 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,760.60	978.16
	For 1" Mesh Fabric, Add	2,089.89	
	For 1-1/4" Mesh Fabric, Add	1,345.22	
	For 1-3/4" Mesh Fabric, Add	835.96	
	For 2-1/8" Mesh Fabric, Deduct	-417.98	
	For Gate With Barb Wire Arm, Add	528.48	
	For Vinyl Coated, Add	1,441.30	
32 31 13 13-0531	EA 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	9,013.67	1,303.91
	For 1" Mesh Fabric, Add	2,786.52	
	For 1-1/4" Mesh Fabric, Add	1,793.62	
	For 1-3/4" Mesh Fabric, Add	1,114.61	
	For 2-1/8" Mesh Fabric, Deduct	-557.30	
	For Gate With Barb Wire Arm, Add	704.64	
	For Vinyl Coated, Add	1,921.74	
32 31 13 13-0532	6' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31 13 13-0533	EA 10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,398.69	382.66
	For 1" Mesh Fabric, Add	710.55	
	For 1-1/4" Mesh Fabric, Add	457.37	
	For 1-3/4" Mesh Fabric, Add	284.22	
	For 2-1/8" Mesh Fabric, Deduct	-142.11	
	For Gate With Barb Wire Arm, Add	179.68	
	For Vinyl Coated, Add	490.04	
32 31 13 13-0534	EA 12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,875.75	457.76
	For 1" Mesh Fabric, Add	852.67	
	For 1-1/4" Mesh Fabric, Add	548.84	
	For 1-3/4" Mesh Fabric, Add	341.07	
	For 2-1/8" Mesh Fabric, Deduct	-170.53	
	For Gate With Barb Wire Arm, Add	215.62	
	For Vinyl Coated, Add	588.05	
32 31 13 13-0535	EA 14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,354.86	533.98
	For 1" Mesh Fabric, Add	994.78	
	For 1-1/4" Mesh Fabric, Add	640.32	
	For 1-3/4" Mesh Fabric, Add	397.91	
	For 2-1/8" Mesh Fabric, Deduct	-198.96	
	For Gate With Barb Wire Arm, Add	251.55	
	For Vinyl Coated, Add	686.05	
32 31 13 13-0536	EA 16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,834.33	610.38
	For 1" Mesh Fabric, Add	1,136.89	
	For 1-1/4" Mesh Fabric, Add	731.79	
	For 1-3/4" Mesh Fabric, Add	454.75	
	For 2-1/8" Mesh Fabric, Deduct	-227.38	
	For Gate With Barb Wire Arm, Add	287.49	
	For Vinyl Coated, Add	784.06	
32 31 13 13-0537	EA 18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,313.45	686.60
	For 1" Mesh Fabric, Add	1,279.00	
	For 1-1/4" Mesh Fabric, Add	823.26	
	For 1-3/4" Mesh Fabric, Add	511.60	
	For 2-1/8" Mesh Fabric, Deduct	-255.80	
	For Gate With Barb Wire Arm, Add	323.42	
	For Vinyl Coated, Add	882.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0538	EA	20'	Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	4,797.72	765.40
			For 1" Mesh Fabric, Add	1,421.11	
			For 1-1/4" Mesh Fabric, Add	914.73	
			For 1-3/4" Mesh Fabric, Add	568.44	
			For 2-1/8" Mesh Fabric, Deduct	-284.22	
			For Gate With Barb Wire Arm, Add	359.36	
			For Vinyl Coated, Add	980.07	
32 31 13 13-0539	EA	24'	Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	5,722.73	915.62
			For 1" Mesh Fabric, Add	1,692.82	
			For 1-1/4" Mesh Fabric, Add	1,089.63	
			For 1-3/4" Mesh Fabric, Add	677.13	
			For 2-1/8" Mesh Fabric, Deduct	-338.56	
			For Gate With Barb Wire Arm, Add	428.07	
			For Vinyl Coated, Add	1,167.46	
32 31 13 13-0540	EA	30'	Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	7,189.93	1,144.82
			For 1" Mesh Fabric, Add	2,131.66	
			For 1-1/4" Mesh Fabric, Add	1,372.10	
			For 1-3/4" Mesh Fabric, Add	852.66	
			For 2-1/8" Mesh Fabric, Deduct	-426.33	
			For Gate With Barb Wire Arm, Add	539.04	
			For Vinyl Coated, Add	1,470.11	
32 31 13 13-0541	EA	40'	Long x 6' High Chain Link Galvanized Steel Sliding Gate.....	9,585.32	1,525.73
			For 1" Mesh Fabric, Add	2,842.21	
			For 1-1/4" Mesh Fabric, Add	1,829.47	
			For 1-3/4" Mesh Fabric, Add	1,136.88	
			For 2-1/8" Mesh Fabric, Deduct	-568.44	
			For Gate With Barb Wire Arm, Add	718.72	
			For Vinyl Coated, Add	1,960.15	

32 31 13 13-0542 7' High Chain Link Galvanized Steel Sliding Gate (22 31 13 13-0511)

32 31 13 13-0543	EA	10'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	2,551.10	426.82
			For 1" Mesh Fabric, Add	738.40	
			For 1-1/4" Mesh Fabric, Add	475.29	
			For 1-3/4" Mesh Fabric, Add	295.36	
			For 2-1/8" Mesh Fabric, Deduct	-147.68	
			For Gate With Barb Wire Arm, Add	186.72	
			For Vinyl Coated, Add	509.24	
32 31 13 13-0544	EA	12'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	3,060.67	511.81
			For 1" Mesh Fabric, Add	886.10	
			For 1-1/4" Mesh Fabric, Add	570.37	
			For 1-3/4" Mesh Fabric, Add	354.44	
			For 2-1/8" Mesh Fabric, Deduct	-177.22	
			For Gate With Barb Wire Arm, Add	224.07	
			For Vinyl Coated, Add	611.11	
32 31 13 13-0545	EA	14'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	3,571.59	597.54
			For 1" Mesh Fabric, Add	1,033.76	
			For 1-1/4" Mesh Fabric, Add	665.41	
			For 1-3/4" Mesh Fabric, Add	413.50	
			For 2-1/8" Mesh Fabric, Deduct	-206.75	
			For Gate With Barb Wire Arm, Add	261.41	
			For Vinyl Coated, Add	712.94	
32 31 13 13-0546	EA	16'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,081.07	682.53
			For 1" Mesh Fabric, Add	1,181.44	
			For 1-1/4" Mesh Fabric, Add	760.47	
			For 1-3/4" Mesh Fabric, Add	472.58	
			For 2-1/8" Mesh Fabric, Deduct	-236.29	
			For Gate With Barb Wire Arm, Add	298.75	
			For Vinyl Coated, Add	814.79	
32 31 13 13-0547	EA	18'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	4,591.34	767.99
			For 1" Mesh Fabric, Add	1,329.12	
			For 1-1/4" Mesh Fabric, Add	855.52	
			For 1-3/4" Mesh Fabric, Add	531.65	
			For 2-1/8" Mesh Fabric, Deduct	-265.82	
			For Gate With Barb Wire Arm, Add	336.10	
			For Vinyl Coated, Add	916.63	
32 31 13 13-0548	EA	20'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	5,101.01	853.08
			For 1" Mesh Fabric, Add	1,476.80	
			For 1-1/4" Mesh Fabric, Add	950.58	
			For 1-3/4" Mesh Fabric, Add	590.72	
			For 2-1/8" Mesh Fabric, Deduct	-295.36	
			For Gate With Barb Wire Arm, Add	373.44	
			For Vinyl Coated, Add	1,018.48	
32 31 13 13-0549	EA	24'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	6,091.33	1,023.62
			For 1" Mesh Fabric, Add	1,759.16	
			For 1-1/4" Mesh Fabric, Add	1,132.33	
			For 1-3/4" Mesh Fabric, Add	703.66	
			For 2-1/8" Mesh Fabric, Deduct	-351.83	
			For Gate With Barb Wire Arm, Add	444.84	
			For Vinyl Coated, Add	1,213.21	
32 31 13 13-0550	EA	30'	Long x 7' High Chain Link Galvanized Steel Sliding Gate.....	7,651.51	1,279.52
			For 1" Mesh Fabric, Add	2,215.19	
			For 1-1/4" Mesh Fabric, Add	1,425.87	
			For 1-3/4" Mesh Fabric, Add	886.08	
			For 2-1/8" Mesh Fabric, Deduct	-443.04	
			For Gate With Barb Wire Arm, Add	560.16	
			For Vinyl Coated, Add	1,527.72	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0551	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	10,202.02	1,706.06
			For 1" Mesh Fabric, Add	2,953.59	
			For 1-1/4" Mesh Fabric, Add	1,901.16	
			For 1-3/4" Mesh Fabric, Add	1,181.44	
			For 2-1/8" Mesh Fabric, Deduct	-590.72	
			For Gate With Barb Wire Arm, Add	746.88	
			For Vinyl Coated, Add	2,036.96	
32 31	13 13-0552		8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31	13 13-0553	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	2,672.53	462.38
			For 1" Mesh Fabric, Add	760.28	
			For 1-1/4" Mesh Fabric, Add	489.38	
			For 1-3/4" Mesh Fabric, Add	304.11	
			For 2-1/8" Mesh Fabric, Deduct	-152.06	
			For Gate With Barb Wire Arm, Add	192.25	
			For Vinyl Coated, Add	524.33	
32 31	13 13-0554	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,204.38	553.57
			For 1" Mesh Fabric, Add	912.33	
			For 1-1/4" Mesh Fabric, Add	587.25	
			For 1-3/4" Mesh Fabric, Add	364.93	
			For 2-1/8" Mesh Fabric, Deduct	-182.47	
			For Gate With Barb Wire Arm, Add	230.71	
			For Vinyl Coated, Add	629.20	
32 31	13 13-0555	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,738.49	645.85
			For 1" Mesh Fabric, Add	1,064.38	
			For 1-1/4" Mesh Fabric, Add	685.12	
			For 1-3/4" Mesh Fabric, Add	425.75	
			For 2-1/8" Mesh Fabric, Deduct	-212.88	
			For Gate With Barb Wire Arm, Add	269.15	
			For Vinyl Coated, Add	734.06	
32 31	13 13-0556	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,272.78	738.15
			For 1" Mesh Fabric, Add	1,216.44	
			For 1-1/4" Mesh Fabric, Add	782.99	
			For 1-3/4" Mesh Fabric, Add	486.58	
			For 2-1/8" Mesh Fabric, Deduct	-243.29	
			For Gate With Barb Wire Arm, Add	307.61	
			For Vinyl Coated, Add	838.92	
32 31	13 13-0557	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,806.06	830.07
			For 1" Mesh Fabric, Add	1,368.50	
			For 1-1/4" Mesh Fabric, Add	880.87	
			For 1-3/4" Mesh Fabric, Add	547.40	
			For 2-1/8" Mesh Fabric, Deduct	-273.70	
			For Gate With Barb Wire Arm, Add	346.06	
			For Vinyl Coated, Add	943.79	
32 31	13 13-0558	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,340.44	922.45
			For 1" Mesh Fabric, Add	1,520.55	
			For 1-1/4" Mesh Fabric, Add	978.75	
			For 1-3/4" Mesh Fabric, Add	608.22	
			For 2-1/8" Mesh Fabric, Deduct	-304.11	
			For Gate With Barb Wire Arm, Add	384.51	
			For Vinyl Coated, Add	1,048.66	
32 31	13 13-0559	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,377.98	1,107.03
			For 1" Mesh Fabric, Add	1,811.28	
			For 1-1/4" Mesh Fabric, Add	1,165.88	
			For 1-3/4" Mesh Fabric, Add	724.51	
			For 2-1/8" Mesh Fabric, Deduct	-362.26	
			For Gate With Barb Wire Arm, Add	458.02	
			For Vinyl Coated, Add	1,249.16	
32 31	13 13-0560	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,011.35	1,384.00
			For 1" Mesh Fabric, Add	2,280.83	
			For 1-1/4" Mesh Fabric, Add	1,468.12	
			For 1-3/4" Mesh Fabric, Add	912.33	
			For 2-1/8" Mesh Fabric, Deduct	-456.17	
			For Gate With Barb Wire Arm, Add	576.76	
			For Vinyl Coated, Add	1,572.99	
32 31	13 13-0561	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	10,679.03	1,843.98
			For 1" Mesh Fabric, Add	3,041.10	
			For 1-1/4" Mesh Fabric, Add	1,957.49	
			For 1-3/4" Mesh Fabric, Add	1,216.44	
			For 2-1/8" Mesh Fabric, Deduct	-608.22	
			For Gate With Barb Wire Arm, Add	769.01	
			For Vinyl Coated, Add	2,097.31	
32 31	13 13-0562		9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31	13 13-0563	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	2,816.03	504.42
			For 1" Mesh Fabric, Add	786.13	
			For 1-1/4" Mesh Fabric, Add	506.02	
			For 1-3/4" Mesh Fabric, Add	314.45	
			For 2-1/8" Mesh Fabric, Deduct	-157.23	
			For Gate With Barb Wire Arm, Add	198.79	
			For Vinyl Coated, Add	542.16	
32 31	13 13-0564	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,375.49	603.45
			For 1" Mesh Fabric, Add	943.36	
			For 1-1/4" Mesh Fabric, Add	607.22	
			For 1-3/4" Mesh Fabric, Add	377.34	
			For 2-1/8" Mesh Fabric, Deduct	-188.67	
			For Gate With Barb Wire Arm, Add	238.55	
			For Vinyl Coated, Add	650.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0565	EA		14' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	3,937.85	703.87
			For 1" Mesh Fabric, Add	1,100.59	
			For 1-1/4" Mesh Fabric, Add	708.43	
			For 1-3/4" Mesh Fabric, Add	440.24	
			For 2-1/8" Mesh Fabric, Deduct	-220.12	
			For Gate With Barb Wire Arm, Add	278.31	
			For Vinyl Coated, Add	759.03	
32 31 13 13-0566	EA		16' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	4,501.00	804.75
			For 1" Mesh Fabric, Add	1,257.81	
			For 1-1/4" Mesh Fabric, Add	809.63	
			For 1-3/4" Mesh Fabric, Add	503.12	
			For 2-1/8" Mesh Fabric, Deduct	-251.56	
			For Gate With Barb Wire Arm, Add	318.07	
			For Vinyl Coated, Add	867.46	
32 31 13 13-0567	EA		18' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,063.53	905.28
			For 1" Mesh Fabric, Add	1,415.04	
			For 1-1/4" Mesh Fabric, Add	910.83	
			For 1-3/4" Mesh Fabric, Add	566.02	
			For 2-1/8" Mesh Fabric, Deduct	-283.01	
			For Gate With Barb Wire Arm, Add	357.83	
			For Vinyl Coated, Add	975.89	
32 31 13 13-0568	EA		20' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	5,626.04	1,005.79
			For 1" Mesh Fabric, Add	1,572.27	
			For 1-1/4" Mesh Fabric, Add	1,012.03	
			For 1-3/4" Mesh Fabric, Add	628.91	
			For 2-1/8" Mesh Fabric, Deduct	-314.45	
			For Gate With Barb Wire Arm, Add	397.59	
			For Vinyl Coated, Add	1,084.32	
32 31 13 13-0569	EA		24' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	6,719.15	1,206.81
			For 1" Mesh Fabric, Add	1,872.88	
			For 1-1/4" Mesh Fabric, Add	1,205.53	
			For 1-3/4" Mesh Fabric, Add	749.15	
			For 2-1/8" Mesh Fabric, Deduct	-374.58	
			For Gate With Barb Wire Arm, Add	473.60	
			For Vinyl Coated, Add	1,291.64	
32 31 13 13-0570	EA		30' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	8,438.22	1,508.36
			For 1" Mesh Fabric, Add	2,358.40	
			For 1-1/4" Mesh Fabric, Add	1,518.05	
			For 1-3/4" Mesh Fabric, Add	943.36	
			For 2-1/8" Mesh Fabric, Deduct	-471.68	
			For Gate With Barb Wire Arm, Add	596.38	
			For Vinyl Coated, Add	1,626.48	
32 31 13 13-0571	EA		40' Long x 9' High Chain Link Galvanized Steel Sliding Gate.....	11,254.26	2,012.78
			For 1" Mesh Fabric, Add	3,144.53	
			For 1-1/4" Mesh Fabric, Add	2,024.07	
			For 1-3/4" Mesh Fabric, Add	1,257.81	
			For 2-1/8" Mesh Fabric, Deduct	-628.91	
			For Gate With Barb Wire Arm, Add	795.17	
			For Vinyl Coated, Add	2,168.64	

32 31 13 13-0572 10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)

32 31 13 13-0573	EA		10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	2,994.64	554.86
			For 1" Mesh Fabric, Add	819.94	
			For 1-1/4" Mesh Fabric, Add	527.78	
			For 1-3/4" Mesh Fabric, Add	327.98	
			For 2-1/8" Mesh Fabric, Deduct	-163.99	
			For Gate With Barb Wire Arm, Add	207.34	
			For Vinyl Coated, Add	565.48	
32 31 13 13-0574	EA		12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	3,593.58	665.81
			For 1" Mesh Fabric, Add	983.94	
			For 1-1/4" Mesh Fabric, Add	633.34	
			For 1-3/4" Mesh Fabric, Add	393.57	
			For 2-1/8" Mesh Fabric, Deduct	-196.79	
			For Gate With Barb Wire Arm, Add	248.81	
			For Vinyl Coated, Add	678.58	
32 31 13 13-0575	EA		14' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,192.89	776.95
			For 1" Mesh Fabric, Add	1,147.93	
			For 1-1/4" Mesh Fabric, Add	738.89	
			For 1-3/4" Mesh Fabric, Add	459.17	
			For 2-1/8" Mesh Fabric, Deduct	-229.59	
			For Gate With Barb Wire Arm, Add	290.28	
			For Vinyl Coated, Add	791.67	
32 31 13 13-0576	EA		16' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,791.65	887.90
			For 1" Mesh Fabric, Add	1,311.91	
			For 1-1/4" Mesh Fabric, Add	844.45	
			For 1-3/4" Mesh Fabric, Add	524.76	
			For 2-1/8" Mesh Fabric, Deduct	-262.38	
			For Gate With Barb Wire Arm, Add	331.75	
			For Vinyl Coated, Add	904.77	
32 31 13 13-0577	EA		18' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,390.37	998.76
			For 1" Mesh Fabric, Add	1,475.90	
			For 1-1/4" Mesh Fabric, Add	950.00	
			For 1-3/4" Mesh Fabric, Add	590.36	
			For 2-1/8" Mesh Fabric, Deduct	-295.18	
			For Gate With Barb Wire Arm, Add	373.22	
			For Vinyl Coated, Add	1,017.86	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0578	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,989.30	1,109.71
		For 1" Mesh Fabric, Add	1,639.89	
		For 1-1/4" Mesh Fabric, Add	1,055.56	
		For 1-3/4" Mesh Fabric, Add	655.96	
		For 2-1/8" Mesh Fabric, Deduct	-327.98	
		For Gate With Barb Wire Arm, Add	414.68	
		For Vinyl Coated, Add	1,130.96	
32 31 13 13-0579	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,154.93	1,332.18
		For 1" Mesh Fabric, Add	1,953.43	
		For 1-1/4" Mesh Fabric, Add	1,257.38	
		For 1-3/4" Mesh Fabric, Add	781.37	
		For 2-1/8" Mesh Fabric, Deduct	-390.69	
		For Gate With Barb Wire Arm, Add	493.97	
		For Vinyl Coated, Add	1,347.20	
32 31 13 13-0580	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,983.94	1,664.58
		For 1" Mesh Fabric, Add	2,459.83	
		For 1-1/4" Mesh Fabric, Add	1,583.34	
		For 1-3/4" Mesh Fabric, Add	983.93	
		For 2-1/8" Mesh Fabric, Deduct	-491.97	
		For Gate With Barb Wire Arm, Add	622.03	
		For Vinyl Coated, Add	1,696.44	
32 31 13 13-0581	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	11,975.94	2,218.14
		For 1" Mesh Fabric, Add	3,279.78	
		For 1-1/4" Mesh Fabric, Add	2,111.12	
		For 1-3/4" Mesh Fabric, Add	1,311.91	
		For 2-1/8" Mesh Fabric, Deduct	-655.96	
		For Gate With Barb Wire Arm, Add	829.37	
		For Vinyl Coated, Add	2,261.92	

32 31 13 13-0582 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller (32

31 13 13-0228)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 13-0583	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	4,728.74	369.54
		For 1" Mesh Fabric, Add	1,735.51	
		For 1-1/4" Mesh Fabric, Add	1,117.11	
		For 1-3/4" Mesh Fabric, Add	694.20	
		For 2-1/8" Mesh Fabric, Deduct	-347.10	
		For Gate With Single Barb Wire Arm, Add	438.86	
		For Gate With Double Barb Wire Arm, Add	638.35	
		For Aluminized Steel Gate And Post, Add	1,915.04	
		For Powder Coated Gate And Post, Add	837.83	
		For Vinyl Coated, Add	1,196.90	
32 31 13 13-0584	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	5,185.10	461.92
		For 1" Mesh Fabric, Add	1,853.65	
		For 1-1/4" Mesh Fabric, Add	1,193.15	
		For 1-3/4" Mesh Fabric, Add	741.46	
		For 2-1/8" Mesh Fabric, Deduct	-370.73	
		For Gate With Single Barb Wire Arm, Add	468.74	
		For Gate With Double Barb Wire Arm, Add	681.80	
		For Aluminized Steel Gate And Post, Add	2,045.40	
		For Powder Coated Gate And Post, Add	894.86	
		For Vinyl Coated, Add	1,278.38	
32 31 13 13-0585	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	5,645.19	554.30
		For 1" Mesh Fabric, Add	1,973.41	
		For 1-1/4" Mesh Fabric, Add	1,270.24	
		For 1-3/4" Mesh Fabric, Add	789.36	
		For 2-1/8" Mesh Fabric, Deduct	-394.68	
		For Gate With Single Barb Wire Arm, Add	499.02	
		For Gate With Double Barb Wire Arm, Add	725.85	
		For Aluminized Steel Gate And Post, Add	2,177.56	
		For Powder Coated Gate And Post, Add	952.68	
		For Vinyl Coated, Add	1,360.97	
32 31 13 13-0586	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	6,619.60	739.07
		For 1" Mesh Fabric, Add	2,236.54	
		For 1-1/4" Mesh Fabric, Add	1,439.61	
		For 1-3/4" Mesh Fabric, Add	894.61	
		For 2-1/8" Mesh Fabric, Deduct	-447.31	
		For Gate With Single Barb Wire Arm, Add	565.56	
		For Gate With Double Barb Wire Arm, Add	822.63	
		For Aluminized Steel Gate And Post, Add	2,467.90	
		For Powder Coated Gate And Post, Add	1,079.71	
		For Vinyl Coated, Add	1,542.44	
32 31 13 13-0587	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	6,150.28	739.07
		For 1" Mesh Fabric, Add	2,032.38	
		For 1-1/4" Mesh Fabric, Add	1,308.20	
		For 1-3/4" Mesh Fabric, Add	812.95	
		For 2-1/8" Mesh Fabric, Deduct	-406.48	
		For Gate With Single Barb Wire Arm, Add	513.94	
		For Gate With Double Barb Wire Arm, Add	747.54	
		For Aluminized Steel Gate And Post, Add	2,242.63	
		For Powder Coated Gate And Post, Add	981.15	
		For Vinyl Coated, Add	1,401.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0588	EA		6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,201.84	970.03
			For 1" Mesh Fabric, Add	2,288.87	
			For 1-1/4" Mesh Fabric, Add	1,473.30	
			For 1-3/4" Mesh Fabric, Add	915.55	
			For 2-1/8" Mesh Fabric, Deduct	-457.77	
			For Gate With Single Barb Wire Arm, Add	578.79	
			For Gate With Double Barb Wire Arm, Add	841.88	
			For Aluminized Steel Gate And Post, Add	2,525.65	
			For Powder Coated Gate And Post, Add	1,104.97	
			For Vinyl Coated, Add	1,578.53	
32 31 13 13-0589	EA		6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	9,553.48	1,201.00
			For 1" Mesh Fabric, Add	3,110.90	
			For 1-1/4" Mesh Fabric, Add	2,002.42	
			For 1-3/4" Mesh Fabric, Add	1,244.36	
			For 2-1/8" Mesh Fabric, Deduct	-622.18	
			For Gate With Single Barb Wire Arm, Add	786.66	
			For Gate With Double Barb Wire Arm, Add	1,144.24	
			For Aluminized Steel Gate And Post, Add	3,432.72	
			For Powder Coated Gate And Post, Add	1,501.81	
			For Vinyl Coated, Add	2,145.45	
32 31 13 13-0590	EA		6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	10,756.47	1,431.95
			For 1" Mesh Fabric, Add	3,433.26	
			For 1-1/4" Mesh Fabric, Add	2,209.92	
			For 1-3/4" Mesh Fabric, Add	1,373.31	
			For 2-1/8" Mesh Fabric, Deduct	-686.65	
			For Gate With Single Barb Wire Arm, Add	868.18	
			For Gate With Double Barb Wire Arm, Add	1,262.81	
			For Aluminized Steel Gate And Post, Add	3,788.43	
			For Powder Coated Gate And Post, Add	1,657.44	
			For Vinyl Coated, Add	2,367.77	
32 31 13 13-0591	EA		8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,193.11	923.84
			For 1" Mesh Fabric, Add	2,325.26	
			For 1-1/4" Mesh Fabric, Add	1,496.72	
			For 1-3/4" Mesh Fabric, Add	930.10	
			For 2-1/8" Mesh Fabric, Deduct	-465.05	
			For Gate With Single Barb Wire Arm, Add	588.00	
			For Gate With Double Barb Wire Arm, Add	855.27	
			For Aluminized Steel Gate And Post, Add	2,565.81	
			For Powder Coated Gate And Post, Add	1,122.54	
			For Vinyl Coated, Add	1,603.63	
32 31 13 13-0592	EA		8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,513.39	1,247.18
			For 1" Mesh Fabric, Add	2,618.27	
			For 1-1/4" Mesh Fabric, Add	1,685.33	
			For 1-3/4" Mesh Fabric, Add	1,047.31	
			For 2-1/8" Mesh Fabric, Deduct	-523.65	
			For Gate With Single Barb Wire Arm, Add	662.09	
			For Gate With Double Barb Wire Arm, Add	963.04	
			For Aluminized Steel Gate And Post, Add	2,889.13	
			For Powder Coated Gate And Post, Add	1,263.99	
			For Vinyl Coated, Add	1,805.71	
32 31 13 13-0593	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	11,321.73	1,570.53
			For 1" Mesh Fabric, Add	3,558.59	
			For 1-1/4" Mesh Fabric, Add	2,290.59	
			For 1-3/4" Mesh Fabric, Add	1,423.44	
			For 2-1/8" Mesh Fabric, Deduct	-711.72	
			For Gate With Single Barb Wire Arm, Add	899.87	
			For Gate With Double Barb Wire Arm, Add	1,308.91	
			For Aluminized Steel Gate And Post, Add	3,926.72	
			For Powder Coated Gate And Post, Add	1,717.94	
			For Vinyl Coated, Add	2,454.20	
32 31 13 13-0594	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	12,722.72	1,847.68
			For 1" Mesh Fabric, Add	3,926.90	
			For 1-1/4" Mesh Fabric, Add	2,527.66	
			For 1-3/4" Mesh Fabric, Add	1,570.76	
			For 2-1/8" Mesh Fabric, Deduct	-785.38	
			For Gate With Single Barb Wire Arm, Add	993.01	
			For Gate With Double Barb Wire Arm, Add	1,444.38	
			For Aluminized Steel Gate And Post, Add	4,333.13	
			For Powder Coated Gate And Post, Add	1,895.74	
			For Vinyl Coated, Add	2,708.21	

32 31 13 13-0595			Gate Accessories (32 31 13 13-0228)		
32 31 13 13-0596	EA		Gate Center Stop, Cast Steel, Ground	29.19	
32 31 13 13-0597	EA		Gate Latch, Malleable Galvanized Steel	36.40	
32 31 13 13-0598	EA		Gate Keeper, Full Length, Galvanized Steel	163.48	
32 31 13 13-0599	EA		Gate Keeper Hold-Open For Cantilever Gate	86.45	15.26
32 31 13 13-0600	EA		Heavy Duty Gate Latch, Malleable Galvanized Steel	48.81	
32 31 13 13-0601	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	781.57	
32 31 13 13-0602	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	838.07	
32 31 13 13-0603	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	894.57	
32 31 13 13-0604	LF		Aluminum V-Groove Gate Track	42.69	8.70
32 31 13 13-0605	LF		Galvanized Steel V-Groove Gate Track	36.15	8.70

32 31 13 13-0606			Accessories (32 31 13 13)		
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32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0607			Barbed And Concertina Wire (32 31 13 13-0606)		
32 31 13 13-0608			Single Strand Barbed Wire (32 31 13 13-0607)		
32 31 13 13-0609	LF		Galvanized Barbed Wire, Per Strand .....0.87	0.41	
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.13	
32 31 13 13-0610	LF		Vinyl Coated Barbed Wire (Fused), Per Strand .....0.99	0.41	
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.09	
			For >2,000, Deduct	-0.13	
32 31 13 13-0611	EA		Barbed Wire Extension Arms 3 Strands (Single Arm) .....9.63	6.43	
32 31 13 13-0612	EA		Barbed Wire Extension Arms 6 Strands (Double Arm) .....15.59	7.72	
32 31 13 13-0613	EA		Barbed Wire Eye Tops (For Single Strand) .....9.88	6.43	
32 31 13 13-0614			Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0607)		
32 31 13 13-0615	LF		18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....2.38	0.56	
			For >500 To 1,500, Deduct	-0.22	
			For >1,500 To 5,000, Deduct	-0.44	
			For >5,000, Deduct	-0.64	
			For Ground Installation, Deduct	-0.40	
			For Double Coil (Helix), Add	1.58	
32 31 13 13-0616	LF		18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....3.57	0.56	
			For >500 To 1,500, Deduct	-0.33	
			For >1,500 To 5,000, Deduct	-0.66	
			For >5,000, Deduct	-0.96	
			For Ground Installation, Deduct	-0.60	
			For Double Coil (Helix), Add	2.37	
32 31 13 13-0617	LF		18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....4.75	0.56	
			For >500 To 1,500, Deduct	-0.44	
			For >1,500 To 5,000, Deduct	-0.87	
			For >5,000, Deduct	-1.27	
			For Ground Installation, Deduct	-0.80	
			For Double Coil (Helix), Add	3.15	
32 31 13 13-0618	LF		24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....3.42	0.56	
			For >500 To 1,500, Deduct	-0.30	
			For >1,500 To 5,000, Deduct	-0.60	
			For >5,000, Deduct	-0.86	
			For Ground Installation, Deduct	-0.45	
			For Double Coil (Helix), Add	2.53	
32 31 13 13-0619	LF		24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....5.16	0.56	
			For >500 To 1,500, Deduct	-0.45	
			For >1,500 To 5,000, Deduct	-0.91	
			For >5,000, Deduct	-1.30	
			For Ground Installation, Deduct	-0.67	
			For Double Coil (Helix), Add	3.82	
32 31 13 13-0620	LF		24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....6.83	0.56	
			For >500 To 1,500, Deduct	-0.60	
			For >1,500 To 5,000, Deduct	-1.20	
			For >5,000, Deduct	-1.72	
			For Ground Installation, Deduct	-0.89	
			For Double Coil (Helix), Add	5.06	
32 31 13 13-0621	LF		30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....8.44	0.56	
			For >500 To 1,500, Deduct	-0.68	
			For >1,500 To 5,000, Deduct	-1.37	
			For >5,000, Deduct	-1.89	
			For Ground Installation, Deduct	-0.50	
			For Double Coil (Helix), Add	7.44	
32 31 13 13-0622	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....12.74	0.56	
			For >500 To 1,500, Deduct	-1.03	
			For >1,500 To 5,000, Deduct	-2.06	
			For >5,000, Deduct	-2.85	
			For Ground Installation, Deduct	-0.75	
			For Double Coil (Helix), Add	11.24	
32 31 13 13-0623	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence .....16.87	0.56	
			For >500 To 1,500, Deduct	-1.37	
			For >1,500 To 5,000, Deduct	-2.73	
			For >5,000, Deduct	-3.78	
			For Ground Installation, Deduct	-1.01	
			For Double Coil (Helix), Add	14.86	
32 31 13 13-0624	LF		60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence .....12.65	0.56	
			For >500 To 1,500, Deduct	-1.01	
			For >1,500 To 5,000, Deduct	-2.02	
			For >5,000, Deduct	-2.77	
			For Ground Installation, Deduct	-0.60	
			For Double Coil (Helix), Add	11.45	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
32 31 13 13-0625	LF	60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	19.23	0.56
		<i>For >500 To 1,500, Deduct</i>	-1.54	
		<i>For >1,500 To 5,000, Deduct</i>	-3.07	
		<i>For >5,000, Deduct</i>	-4.22	
		<i>For Ground Installation, Deduct</i>	-0.93	
		<i>For Double Coil (Helix), Add</i>	17.38	
32 31 13 13-0626		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0607)</small>		
32 31 13 13-0627	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.48	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.30	
		<i>For >1,500 To 5,000, Deduct</i>	-0.60	
		<i>For >5,000, Deduct</i>	-0.86	
		<i>For Ground Installation, Deduct</i>	-0.40	
		<i>For Double Coil (Helix), Add</i>	2.68	
32 31 13 13-0628	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.25	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.45	
		<i>For >1,500 To 5,000, Deduct</i>	-0.91	
		<i>For >5,000, Deduct</i>	-1.29	
		<i>For Ground Installation, Deduct</i>	-0.60	
		<i>For Double Coil (Helix), Add</i>	4.05	
32 31 13 13-0629	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.95	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.60	
		<i>For >1,500 To 5,000, Deduct</i>	-1.20	
		<i>For >5,000, Deduct</i>	-1.71	
		<i>For Ground Installation, Deduct</i>	-0.80	
		<i>For Double Coil (Helix), Add</i>	5.35	
32 31 13 13-0630	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.35	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.37	
		<i>For >1,500 To 5,000, Deduct</i>	-0.74	
		<i>For >5,000, Deduct</i>	-1.05	
		<i>For Ground Installation, Deduct</i>	-0.45	
		<i>For Double Coil (Helix), Add</i>	3.46	
32 31 13 13-0631	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.58	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.56	
		<i>For >1,500 To 5,000, Deduct</i>	-1.12	
		<i>For >5,000, Deduct</i>	-1.58	
		<i>For Ground Installation, Deduct</i>	-0.67	
		<i>For Double Coil (Helix), Add</i>	5.24	
32 31 13 13-0632	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.70	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.74	
		<i>For >1,500 To 5,000, Deduct</i>	-1.48	
		<i>For >5,000, Deduct</i>	-2.10	
		<i>For Ground Installation, Deduct</i>	-0.89	
		<i>For Double Coil (Helix), Add</i>	6.93	
32 31 13 13-0633	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.98	0.56
		<i>For >500 To 1,500, Deduct</i>	-0.95	
		<i>For >1,500 To 5,000, Deduct</i>	-1.90	
		<i>For >5,000, Deduct</i>	-2.60	
		<i>For Ground Installation, Deduct</i>	-0.50	
		<i>For Double Coil (Helix), Add</i>	10.98	
32 31 13 13-0634	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	18.11	0.56
		<i>For >500 To 1,500, Deduct</i>	-1.43	
		<i>For >1,500 To 5,000, Deduct</i>	-2.87	
		<i>For >5,000, Deduct</i>	-3.92	
		<i>For Ground Installation, Deduct</i>	-0.75	
		<i>For Double Coil (Helix), Add</i>	16.61	
32 31 13 13-0635	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	23.95	0.56
		<i>For >500 To 1,500, Deduct</i>	-1.90	
		<i>For >1,500 To 5,000, Deduct</i>	-3.79	
		<i>For >5,000, Deduct</i>	-5.19	
		<i>For Ground Installation, Deduct</i>	-1.01	
		<i>For Double Coil (Helix), Add</i>	21.94	
32 31 13 13-0636		Grounding For Gates <small>(32 31 13 13-0606)</small>		
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0637	OPN	Grounding For Gates (Per Opening).....	416.36	
32 31 13 13-0638		Coiled Spring Reinforcing Wire <small>(32 31 13 13-0606)</small>		
32 31 13 13-0639		Galvanized Steel <small>(32 31 13 13-0638)</small>		
32 31 13 13-0640	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	0.97	0.41
32 31 13 13-0641		Vinyl Coated Steel <small>(32 31 13 13-0638)</small>		
32 31 13 13-0642	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.97	0.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0643 Bending Of Fabric Around Pipe Railings (32 31 13 13-0606)

Note: Only where specified.

32 31 13 13-0644	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.28
32 31 13 13-0645	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.11

32 31 13 13-0646 Mounting Plate With Anchors Or Bolts (32 31 13 13-0606)

Note: For drilling for anchor or bolts, installing post on or against flat surface.

32 31 13 13-0647	EA	Mounting Plate For 1-5/8" Diameter Post.....	33.97
32 31 13 13-0648	EA	Mounting Plate For 2" Diameter Post.....	34.51
32 31 13 13-0649	EA	Mounting Plate For 2-1/2" Diameter Post.....	35.51
32 31 13 13-0650	EA	Mounting Plate For 3" Diameter Post.....	42.64
32 31 13 13-0651	EA	Mounting Plate For 4" Diameter Post.....	48.95
32 31 13 13-0652	EA	Mounting Plate For 6-5/8" Diameter Post.....	56.59
32 31 13 13-0653	EA	Mounting Plate For 8-5/8" Diameter Post.....	66.62

32 31 13 13-0654 Fence And Gate Repair And Replacement (32 31 13 13)

32 31 13 13-0655 Fence And Gate Parts Replacement (32 31 13 13-0654)

32 31 13 13-0656	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	104.48
32 31 13 13-0657	EA	Sliding Gate Roller Assembly Replacement.....	101.82
32 31 13 13-0658	EA	Rod And Lock Gate Keeper Replacement.....	104.37
32 31 13 13-0659	EA	Galvanized Gate Holdback Replacement.....	22.80
32 31 13 13-0660	LF	3/8" Cross Bracing Rod Replacement.....	1.35
32 31 13 13-0661	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.10
32 31 13 13-0662	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	20.57
32 31 13 13-0663	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	23.57
32 31 13 13-0664	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	26.63
32 31 13 13-0665	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	39.39
32 31 13 13-0666	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	70.97
32 31 13 13-0667	EA	2-1/2" x 2" Off Set Gate Hinge Replacement.....	21.55
32 31 13 13-0668	EA	3" x 2" Off Set Gate Hinge Replacement.....	22.49
32 31 13 13-0669	EA	4" x 2" Off Set Gate Hinge Replacement.....	23.99
32 31 13 13-0670	EA	6-5/8" x 2" Off Set Gate Hinge Replacement.....	39.53
32 31 13 13-0671	EA	8-5/8" x 2" Off Set Gate Hinge Replacement.....	62.58
32 31 13 13-0672	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	4.48
32 31 13 13-0673	EA	2" Aluminum Die-Cast Post Cap Replacement.....	4.91
32 31 13 13-0674	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	5.68
32 31 13 13-0675	EA	3" Aluminum Die-Cast Post Cap Replacement.....	6.56
32 31 13 13-0676	EA	2" Galvanized Post Cap Replacement.....	5.25
32 31 13 13-0677	EA	2-1/2" Galvanized Post Cap Replacement.....	5.70
32 31 13 13-0678	EA	3" Galvanized Post Cap Replacement.....	6.53
32 31 13 13-0679	EA	4" Galvanized Post Cap Replacement.....	9.79
32 31 13 13-0680	EA	6-5/8" Galvanized Post Cap Replacement.....	18.67
32 31 13 13-0681	EA	8-5/8" Galvanized Post Cap Replacement.....	30.76
32 31 13 13-0682	EA	1-5/8" Boulevard Clamp Replacement.....	8.74
32 31 13 13-0683	EA	2" Boulevard Clamp Replacement.....	10.66
32 31 13 13-0684	EA	2-1/2" Boulevard Clamp Replacement.....	12.51
32 31 13 13-0685	EA	3" Boulevard Clamp Replacement.....	15.18
32 31 13 13-0686	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement.....	8.56
32 31 13 13-0687	EA	2" Gate Brace Or End Rail Clamp Replacement.....	10.41
32 31 13 13-0688	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement.....	12.26
32 31 13 13-0689	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.89
32 31 13 13-0690	EA	3" Gate Brace Or End Rail Clamp Replacement.....	14.92
32 31 13 13-0691	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.10
32 31 13 13-0692	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.01
32 31 13 13-0693	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.16
32 31 13 13-0694	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.30
32 31 13 13-0695	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.68
32 31 13 13-0696	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	12.46
32 31 13 13-0697	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.81

32 31 13 13-0698 Removal And Reinstallation Of Chain Link Fences (32 31 13 13)

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0699	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	16.06
32 31 13 13-0700	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	24.11

32 31 13 33 Chain Link Backstops (32 31 13)

32 31 13 33-0001 Regulation Baseball Backstop (32 31 13 33)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	10,510.31	1,611.34
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	15,196.72	2,148.45
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	19,414.33	2,506.53
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	14,884.61	1,611.34
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	21,742.04	2,148.45
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	28,051.91	2,506.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 33-0008			Regulation Softball Backstop (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009			14' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA		14' Softball Backstop, Galvanized Regulation	8,799.25	1,606.65
32 31 13 33-0011	EA		14' Softball Backstop, Vinyl Coated Regulation	11,936.57	1,606.65
32 31 13 33-0012			18' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA		18' Softball Backstop, Galvanized Regulation	10,294.47	1,786.15
32 31 13 33-0014	EA		18' Softball Backstop Vinyl Coated Regulation	14,089.60	1,786.15
32 31 13 33-0015			20' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA		20' Softball Backstop, Galvanized Regulation	11,690.95	1,883.25
32 31 13 33-0017	EA		20' Softball Backstop, Vinyl Coated Regulation	16,194.55	1,883.25
32 31 13 33-0018			22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA		22' Softball Backstop, Galvanized Regulation	13,503.22	1,940.07
32 31 13 33-0020	EA		22' Softball Backstop, Vinyl Coated Regulation	18,917.61	1,940.07
32 31 13 33-0021			24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA		24' Softball Backstop, Galvanized Regulation	16,117.74	2,217.21
32 31 13 33-0023	EA		24' Softball Backstop, Vinyl Coated Regulation	22,847.79	2,217.21
32 31 16			Welded Wire Fences and Gates (32 31)		
32 31 16 00-0001			Welded Wire Fence (32 31 16)		
32 31 16 00-0002			12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	7.99	1.44
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	8.64	1.44
32 31 16 00-0005			14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	7.86	1.44
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	8.43	1.44
32 31 19			Decorative Metal Fences and Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001			Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002			Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	47.23	8.84
			For Verticals Up To 2" On Center, Add	5.91	
			For Verticals >2" To 2-1/2" On Center, Add	2.96	
			For Verticals >3" To 4" On Center, Deduct	-2.96	
			For Verticals >4" To 6" On Center, Deduct	-5.91	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	60.89	11.25
			For Verticals Up To 2" On Center, Add	7.84	
			For Verticals >2" To 2-1/2" On Center, Add	3.92	
			For Verticals >3" To 4" On Center, Deduct	-3.92	
			For Verticals >4" To 6" On Center, Deduct	-7.84	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	73.03	11.73
			For Verticals Up To 2" On Center, Add	9.88	
			For Verticals >2" To 2-1/2" On Center, Add	4.94	
			For Verticals >3" To 4" On Center, Deduct	-4.94	
			For Verticals >4" To 6" On Center, Deduct	-9.88	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	88.49	14.14
			For Verticals Up To 2" On Center, Add	12.03	
			For Verticals >2" To 2-1/2" On Center, Add	6.02	
			For Verticals >3" To 4" On Center, Deduct	-6.02	
			For Verticals >4" To 6" On Center, Deduct	-12.03	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	104.68	14.96
			For Verticals Up To 2" On Center, Add	14.95	
			For Verticals >2" To 2-1/2" On Center, Add	7.48	
			For Verticals >3" To 4" On Center, Deduct	-7.48	
			For Verticals >4" To 6" On Center, Deduct	-14.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0008	LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	120.86 17.87 8.94 -8.94 -17.87	15.75
32 31 19 00-0009	LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	147.91 22.51 11.26 -11.26 -22.51	17.67
32 31 19 00-0010	LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i>	175.33 27.03 13.52 -13.52 -27.03	20.09
32 31 19 00-0011	Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012	Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	58.44	10.77
32 31 19 00-0014	LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	76.73	13.34
32 31 19 00-0015	LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	94.11	16.06
32 31 19 00-0016	LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	114.51	19.29
32 31 19 00-0017	LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	156.08	21.37
32 31 19 00-0018	LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	190.21	23.62
32 31 19 00-0019	LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	223.68	26.83
32 31 19 00-0020	Double Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	71.68	9.64
32 31 19 00-0022	LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	94.29	12.05
32 31 19 00-0023	LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	115.23	14.46
32 31 19 00-0024	LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	139.89	17.36
32 31 19 00-0025	LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	191.49	19.29
32 31 19 00-0026	LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	233.74	21.21
32 31 19 00-0027	LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	275.30	24.11
32 31 19 00-0028	Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029	LF Removal And Replacement Of Wrought Iron Picket	16.72	
32 31 19 00-0030	LF Removal And Replacement Of Wrought Iron Post	25.40	
32 31 19 00-0031	EA Straighten Wrought Iron Post	64.28	
32 31 19 00-0032	Steel Tube Fence, Powder Coated (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033	Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034	LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts..... <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For 3" Square Posts, Add</i>	58.80 8.29 4.15 -4.15 -8.29 11.93 9.84 3.11 10.37 4.15	8.84
32 31 19 00-0035	LF 3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	62.89	9.45
	<i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For 3" Square Posts, Add</i>	8.80 4.40 -4.40 -8.80 12.73 10.37 3.30 11.00 4.40	
32 31 19 00-0036	LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts..... <i>For Verticals Up To 2" On Center, Add</i> <i>For Verticals >2" To 2-1/2" On Center, Add</i> <i>For Verticals >3" To 4" On Center, Deduct</i> <i>For Verticals >4" To 6" On Center, Deduct</i> <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i> <i>For 3" Square Posts, Add</i>	66.53 9.21 4.61 -4.61 -9.21 13.43 10.75 3.45 11.52 4.61	10.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037	LF	5'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	70.83	11.73
			For Verticals Up To 2" On Center, Add	9.44	
			For Verticals >2" To 2-1/2" On Center, Add	4.72	
			For Verticals >3" To 4" On Center, Deduct	-4.72	
			For Verticals >4" To 6" On Center, Deduct	-9.44	
			For Solid Pickets, Add	14.17	
			For Aluminum With Satin Finish, Add	10.62	
			For Third Rail, Add	3.54	
			For 1" Square x 14 Gauge Pickets, Add	11.80	
			For 3" Square Posts, Add	4.72	
32 31 19 00-0038	LF	6'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	82.17	13.26
			For Verticals Up To 2" On Center, Add	11.13	
			For Verticals >2" To 2-1/2" On Center, Add	5.57	
			For Verticals >3" To 4" On Center, Deduct	-5.57	
			For Verticals >4" To 6" On Center, Deduct	-11.13	
			For Solid Pickets, Add	16.50	
			For Aluminum With Satin Finish, Add	12.72	
			For Third Rail, Add	4.17	
			For 1" Square x 14 Gauge Pickets, Add	13.91	
			For 3" Square Posts, Add	5.57	
32 31 19 00-0039	LF	7'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	94.13	14.46
			For Verticals Up To 2" On Center, Add	13.04	
			For Verticals >2" To 2-1/2" On Center, Add	6.52	
			For Verticals >3" To 4" On Center, Deduct	-6.52	
			For Verticals >4" To 6" On Center, Deduct	-13.04	
			For Solid Pickets, Add	19.01	
			For Aluminum With Satin Finish, Add	15.22	
			For Third Rail, Add	4.89	
			For 1" Square x 14 Gauge Pickets, Add	16.30	
			For 4" Square Posts, Add	22.82	
32 31 19 00-0040	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	106.25	15.75
			For Verticals Up To 2" On Center, Add	14.95	
			For Verticals >2" To 2-1/2" On Center, Add	7.48	
			For Verticals >3" To 4" On Center, Deduct	-7.48	
			For Verticals >4" To 6" On Center, Deduct	-14.95	
			For Solid Pickets, Add	21.54	
			For Aluminum With Satin Finish, Add	17.70	
			For Third Rail, Add	5.61	
			For 1" Square x 14 Gauge Pickets, Add	18.69	
			For 4" Square Posts, Add	26.16	
32 31 19 00-0041	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	123.63	16.87
			For Verticals Up To 2" On Center, Add	17.98	
			For Verticals >2" To 2-1/2" On Center, Add	8.99	
			For Verticals >3" To 4" On Center, Deduct	-8.99	
			For Verticals >4" To 6" On Center, Deduct	-17.98	
			For Solid Pickets, Add	25.29	
			For Aluminum With Satin Finish, Add	21.90	
			For Third Rail, Add	6.74	
			For 1" Square x 14 Gauge Pickets, Add	22.47	
			For 4" Square Posts, Add	31.46	
32 31 19 00-0042	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	141.16	18.08
			For Verticals Up To 2" On Center, Add	21.00	
			For Verticals >2" To 2-1/2" On Center, Add	10.50	
			For Verticals >3" To 4" On Center, Deduct	-10.50	
			For Verticals >4" To 6" On Center, Deduct	-21.00	
			For Solid Pickets, Add	29.05	
			For Aluminum With Satin Finish, Add	26.08	
			For Third Rail, Add	7.88	
			For 1" Square x 14 Gauge Pickets, Add	26.25	
			For 6" Square Posts, Add	36.75	
32 31 19 00-0043	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	166.36	20.09
			For Verticals Up To 2" On Center, Add	25.24	
			For Verticals >2" To 2-1/2" On Center, Add	12.62	
			For Verticals >3" To 4" On Center, Deduct	-12.62	
			For Verticals >4" To 6" On Center, Deduct	-25.24	
			For Solid Pickets, Add	34.42	
			For Aluminum With Satin Finish, Add	31.83	
			For Third Rail, Add	9.46	
			For 1" Square x 14 Gauge Pickets, Add	31.55	
			For 6" Square Posts, Add	44.17	
32 31 19 00-0044	LF	14'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	178.19	21.70
			For Verticals Up To 2" On Center, Add	26.96	
			For Verticals >2" To 2-1/2" On Center, Add	13.48	
			For Verticals >3" To 4" On Center, Deduct	-13.48	
			For Verticals >4" To 6" On Center, Deduct	-26.96	
			For Solid Pickets, Add	36.84	
			For Aluminum With Satin Finish, Add	33.94	
			For Third Rail, Add	10.11	
			For 1" Square x 14 Gauge Pickets, Add	33.70	
			For 6" Square Posts, Add	47.18	
32 31 19 00-0045			Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA	3'	Wide x 3' High Steel Tube Single Swing Gate	703.89	17.11
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	154.52	
			For Aluminum With Satin Finish, Add	188.03	
			For Third Rail, Add	48.94	
			For 1" Square x 14 Gauge Pickets, Add	65.25	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	784.10	17.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	172.39	
		For Aluminum With Satin Finish, Add	211.01	
		For Third Rail, Add	54.77	
		For 1" Square x 14 Gauge Pickets, Add	73.03	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate.....	868.65	18.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	191.17	
		For Aluminum With Satin Finish, Add	234.92	
		For Third Rail, Add	60.87	
		For 1" Square x 14 Gauge Pickets, Add	81.16	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate.....	913.33	20.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	200.92	
		For Aluminum With Satin Finish, Add	246.52	
		For Third Rail, Add	63.92	
		For 1" Square x 14 Gauge Pickets, Add	85.23	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate.....	1,019.10	24.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	223.81	
		For Aluminum With Satin Finish, Add	272.83	
		For Third Rail, Add	70.95	
		For 1" Square x 14 Gauge Pickets, Add	94.60	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate.....	1,082.42	28.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	237.16	
		For Aluminum With Satin Finish, Add	286.40	
		For Third Rail, Add	74.79	
		For 1" Square x 14 Gauge Pickets, Add	99.73	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate.....	1,180.16	32.62
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	258.18	
		For Aluminum With Satin Finish, Add	309.94	
		For Third Rail, Add	81.16	
		For 1" Square x 14 Gauge Pickets, Add	108.21	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate.....	1,264.70	36.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	276.30	
		For Aluminum With Satin Finish, Add	329.88	
		For Third Rail, Add	86.60	
		For 1" Square x 14 Gauge Pickets, Add	115.46	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate.....	1,338.64	40.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	292.04	
		For Aluminum With Satin Finish, Add	346.64	
		For Third Rail, Add	91.24	
		For 1" Square x 14 Gauge Pickets, Add	121.65	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,473.02	34.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	323.72	
		For Aluminum With Satin Finish, Add	395.63	
		For Third Rail, Add	102.76	
		For 1" Square x 14 Gauge Pickets, Add	137.02	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,569.96	35.83
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	345.17	
		For Aluminum With Satin Finish, Add	422.54	
		For Third Rail, Add	109.67	
		For 1" Square x 14 Gauge Pickets, Add	146.23	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,737.30	38.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	382.34	
		For Aluminum With Satin Finish, Add	469.85	
		For Third Rail, Add	121.74	
		For 1" Square x 14 Gauge Pickets, Add	162.32	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,820.88	39.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	400.84	
		For Aluminum With Satin Finish, Add	493.12	
		For Third Rail, Add	127.71	
		For 1" Square x 14 Gauge Pickets, Add	170.28	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,888.55	40.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	415.76	
		For Aluminum With Satin Finish, Add	511.61	
		For Third Rail, Add	132.48	
		For 1" Square x 14 Gauge Pickets, Add	176.64	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,123.08	48.69
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	466.73	
		For Aluminum With Satin Finish, Add	571.12	
		For Third Rail, Add	148.26	
		For 1" Square x 14 Gauge Pickets, Add	197.69	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,324.00	56.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	510.13	
		For Aluminum With Satin Finish, Add	620.55	
		For Third Rail, Add	161.53	
		For 1" Square x 14 Gauge Pickets, Add	215.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,491.16	65.31
			<i>For Solid Pickets, Add</i>	545.81	
			<i>For Aluminum With Satin Finish, Add</i>	659.13	
			<i>For Third Rail, Add</i>	172.13	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	229.51	
32 31	19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,630.20	73.28
			<i>For Solid Pickets, Add</i>	575.28	
			<i>For Aluminum With Satin Finish, Add</i>	690.00	
			<i>For Third Rail, Add</i>	180.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	241.01	
32 31	19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,742.72	81.31
			<i>For Solid Pickets, Add</i>	598.79	
			<i>For Aluminum With Satin Finish, Add</i>	712.90	
			<i>For Third Rail, Add</i>	187.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	249.85	
32 31	19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31	19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	814.56	16.06
			<i>For Solid Pickets, Add</i>	179.21	
			<i>For Aluminum With Satin Finish, Add</i>	219.96	
			<i>For Third Rail, Add</i>	57.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.03	
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	882.00	18.72
			<i>For Solid Pickets, Add</i>	194.23	
			<i>For Aluminum With Satin Finish, Add</i>	239.29	
			<i>For Third Rail, Add</i>	61.93	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	82.58	
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	951.43	20.09
			<i>For Solid Pickets, Add</i>	209.55	
			<i>For Aluminum With Satin Finish, Add</i>	258.31	
			<i>For Third Rail, Add</i>	66.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.12	
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,008.50	21.37
			<i>For Solid Pickets, Add</i>	222.09	
			<i>For Aluminum With Satin Finish, Add</i>	273.62	
			<i>For Third Rail, Add</i>	70.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.42	
32 31	19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,085.00	25.71
			<i>For Solid Pickets, Add</i>	238.34	
			<i>For Aluminum With Satin Finish, Add</i>	290.79	
			<i>For Third Rail, Add</i>	75.59	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.79	
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,189.80	29.97
			<i>For Solid Pickets, Add</i>	260.96	
			<i>For Aluminum With Satin Finish, Add</i>	316.45	
			<i>For Third Rail, Add</i>	82.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.98	
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,335.28	34.22
			<i>For Solid Pickets, Add</i>	292.73	
			<i>For Aluminum With Satin Finish, Add</i>	354.31	
			<i>For Third Rail, Add</i>	92.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	123.24	
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,477.20	38.56
			<i>For Solid Pickets, Add</i>	323.69	
			<i>For Aluminum With Satin Finish, Add</i>	391.10	
			<i>For Third Rail, Add</i>	102.11	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	136.15	
32 31	19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,612.07	42.82
			<i>For Solid Pickets, Add</i>	353.07	
			<i>For Aluminum With Satin Finish, Add</i>	425.77	
			<i>For Third Rail, Add</i>	111.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.35	
32 31	19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,629.11	36.15
			<i>For Solid Pickets, Add</i>	358.42	
			<i>For Aluminum With Satin Finish, Add</i>	439.93	
			<i>For Third Rail, Add</i>	114.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	152.07	
32 31	19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,763.98	37.44
			<i>For Solid Pickets, Add</i>	388.46	
			<i>For Aluminum With Satin Finish, Add</i>	478.58	
			<i>For Third Rail, Add</i>	123.86	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	165.15	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,902.86	40.17
		<i>For Solid Pickets, Add</i>	419.11	
		<i>For Aluminum With Satin Finish, Add</i>	516.63	
		<i>For Third Rail, Add</i>	133.68	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	178.24	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,012.97	41.46
		<i>For Solid Pickets, Add</i>	443.58	
		<i>For Aluminum With Satin Finish, Add</i>	547.85	
		<i>For Third Rail, Add</i>	141.63	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.84	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,105.40	42.82
		<i>For Solid Pickets, Add</i>	464.07	
		<i>For Aluminum With Satin Finish, Add</i>	573.77	
		<i>For Third Rail, Add</i>	148.26	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.69	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,387.50	51.33
		<i>For Solid Pickets, Add</i>	525.62	
		<i>For Aluminum With Satin Finish, Add</i>	646.83	
		<i>For Third Rail, Add</i>	167.49	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	223.32	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,634.23	59.94
		<i>For Solid Pickets, Add</i>	579.20	
		<i>For Aluminum With Satin Finish, Add</i>	709.28	
		<i>For Third Rail, Add</i>	184.07	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	245.43	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,847.37	68.46
		<i>For Solid Pickets, Add</i>	625.23	
		<i>For Aluminum With Satin Finish, Add</i>	761.66	
		<i>For Third Rail, Add</i>	198.13	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.17	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,030.45	77.05
		<i>For Solid Pickets, Add</i>	664.50	
		<i>For Aluminum With Satin Finish, Add</i>	805.01	
		<i>For Third Rail, Add</i>	209.93	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	279.91	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,185.24	85.65
		<i>For Solid Pickets, Add</i>	697.40	
		<i>For Aluminum With Satin Finish, Add</i>	839.88	
		<i>For Third Rail, Add</i>	219.61	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	292.81	
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	887.30	18.72
		<i>For Solid Pickets, Add</i>	195.42	
		<i>For Aluminum With Satin Finish, Add</i>	240.88	
		<i>For Third Rail, Add</i>	62.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.11	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	935.52	20.09
		<i>For Solid Pickets, Add</i>	205.97	
		<i>For Aluminum With Satin Finish, Add</i>	253.54	
		<i>For Third Rail, Add</i>	65.64	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	87.53	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	981.98	21.37
		<i>For Solid Pickets, Add</i>	216.12	
		<i>For Aluminum With Satin Finish, Add</i>	265.67	
		<i>For Third Rail, Add</i>	68.83	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.77	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,049.64	22.73
		<i>For Solid Pickets, Add</i>	231.05	
		<i>For Aluminum With Satin Finish, Add</i>	284.16	
		<i>For Third Rail, Add</i>	73.60	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.14	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,139.33	27.32
		<i>For Solid Pickets, Add</i>	250.20	
		<i>For Aluminum With Satin Finish, Add</i>	304.92	
		<i>For Third Rail, Add</i>	79.30	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.74	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,259.09	31.81
		<i>For Solid Pickets, Add</i>	276.12	
		<i>For Aluminum With Satin Finish, Add</i>	334.70	
		<i>For Third Rail, Add</i>	87.26	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,427.38	36.63
			<i>For Solid Pickets, Add</i>	312.91	
			<i>For Aluminum With Satin Finish, Add</i>	378.68	
			<i>For Third Rail, Add</i>	98.80	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	131.73	
32 31 19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,591.33	41.22
			<i>For Solid Pickets, Add</i>	348.77	
			<i>For Aluminum With Satin Finish, Add</i>	421.73	
			<i>For Third Rail, Add</i>	110.07	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.76	
32 31 19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,751.76	45.71
			<i>For Solid Pickets, Add</i>	383.84	
			<i>For Aluminum With Satin Finish, Add</i>	463.70	
			<i>For Third Rail, Add</i>	121.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	161.44	
32 31 19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,752.25	31.58
			<i>For Solid Pickets, Add</i>	387.50	
			<i>For Aluminum With Satin Finish, Add</i>	485.11	
			<i>For Third Rail, Add</i>	124.66	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	166.21	
32 31 19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,853.92	36.80
			<i>For Solid Pickets, Add</i>	409.24	
			<i>For Aluminum With Satin Finish, Add</i>	508.85	
			<i>For Third Rail, Add</i>	131.16	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	174.88	
32 31 19 00-0098	EA		8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,956.47	42.34
			<i>For Solid Pickets, Add</i>	431.12	
			<i>For Aluminum With Satin Finish, Add</i>	532.46	
			<i>For Third Rail, Add</i>	137.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.54	
32 31 19 00-0099	EA		9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,098.80	47.64
			<i>For Solid Pickets, Add</i>	462.02	
			<i>For Aluminum With Satin Finish, Add</i>	568.40	
			<i>For Third Rail, Add</i>	147.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	196.27	
32 31 19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,223.46	52.87
			<i>For Solid Pickets, Add</i>	488.94	
			<i>For Aluminum With Satin Finish, Add</i>	599.03	
			<i>For Third Rail, Add</i>	155.42	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.23	
32 31 19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,532.00	58.81
			<i>For Solid Pickets, Add</i>	557.11	
			<i>For Aluminum With Satin Finish, Add</i>	684.04	
			<i>For Third Rail, Add</i>	177.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.41	
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,808.72	65.24
			<i>For Solid Pickets, Add</i>	617.98	
			<i>For Aluminum With Satin Finish, Add</i>	758.70	
			<i>For Third Rail, Add</i>	196.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	262.22	
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,055.37	72.39
			<i>For Solid Pickets, Add</i>	671.95	
			<i>For Aluminum With Satin Finish, Add</i>	823.55	
			<i>For Third Rail, Add</i>	213.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	284.86	
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,276.39	80.42
			<i>For Solid Pickets, Add</i>	719.95	
			<i>For Aluminum With Satin Finish, Add</i>	879.52	
			<i>For Third Rail, Add</i>	228.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	304.66	
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,471.77	89.42
			<i>For Solid Pickets, Add</i>	761.99	
			<i>For Aluminum With Satin Finish, Add</i>	926.60	
			<i>For Third Rail, Add</i>	241.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	321.64	
32 31 19 00-0106			6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	922.98	20.57
			<i>For Solid Pickets, Add</i>	203.03	
			<i>For Aluminum With Satin Finish, Add</i>	249.05	
			<i>For Third Rail, Add</i>	64.58	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.11	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	970.40	21.70
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	213.46	
		<i>For Aluminum With Satin Finish, Add</i>	261.83	
		<i>For Third Rail, Add</i>	67.90	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	90.53	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate.....	1,018.38	22.90
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	223.97	
		<i>For Aluminum With Satin Finish, Add</i>	274.53	
		<i>For Third Rail, Add</i>	71.21	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.95	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate.....	1,077.46	24.34
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	236.94	
		<i>For Aluminum With Satin Finish, Add</i>	290.33	
		<i>For Third Rail, Add</i>	75.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.43	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate.....	1,207.64	29.40
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	265.09	
		<i>For Aluminum With Satin Finish, Add</i>	322.53	
		<i>For Third Rail, Add</i>	83.95	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	111.93	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate.....	1,346.68	34.55
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	295.23	
		<i>For Aluminum With Satin Finish, Add</i>	357.37	
		<i>For Third Rail, Add</i>	93.23	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.30	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate.....	1,502.60	39.37
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	329.23	
		<i>For Aluminum With Satin Finish, Add</i>	397.64	
		<i>For Third Rail, Add</i>	103.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.45	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate.....	1,652.26	44.43
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	361.76	
		<i>For Aluminum With Satin Finish, Add</i>	435.66	
		<i>For Third Rail, Add</i>	113.92	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	151.89	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate.....	1,835.49	49.49
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	401.84	
		<i>For Aluminum With Satin Finish, Add</i>	483.76	
		<i>For Third Rail, Add</i>	126.51	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	168.69	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,819.45	34.07
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	402.08	
		<i>For Aluminum With Satin Finish, Add</i>	502.09	
		<i>For Third Rail, Add</i>	129.17	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.22	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	1,924.65	39.93
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	424.50	
		<i>For Aluminum With Satin Finish, Add</i>	526.09	
		<i>For Third Rail, Add</i>	135.80	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	181.06	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,028.97	45.48
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	446.77	
		<i>For Aluminum With Satin Finish, Add</i>	550.23	
		<i>For Third Rail, Add</i>	142.43	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	189.91	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,155.38	51.33
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	473.96	
		<i>For Aluminum With Satin Finish, Add</i>	580.60	
		<i>For Third Rail, Add</i>	150.65	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.87	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,356.07	57.20
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	517.85	
		<i>For Aluminum With Satin Finish, Add</i>	633.25	
		<i>For Third Rail, Add</i>	164.44	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.26	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,765.40	63.71
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	608.56	
		<i>For Aluminum With Satin Finish, Add</i>	747.69	
		<i>For Third Rail, Add</i>	193.75	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	258.33	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	2,892.69	71.18
		Note: Includes mounting hardware and associated trim.		
		<i>For Solid Pickets, Add</i>	635.61	
		<i>For Aluminum With Satin Finish, Add</i>	776.34	
		<i>For Third Rail, Add</i>	201.71	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	268.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0123	EA		16' Wide x 6' High Steel Tube Double Swing Gate.....	3,175.61	79.22
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	697.54	
			For Aluminum With Satin Finish, Add	850.87	
			For Third Rail, Add	221.20	
			For 1" Square x 14 Gauge Pickets, Add	294.94	
32 31 19 00-0124	EA		18' Wide x 6' High Steel Tube Double Swing Gate.....	3,434.63	88.14
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	753.90	
			For Aluminum With Satin Finish, Add	917.05	
			For Third Rail, Add	238.71	
			For 1" Square x 14 Gauge Pickets, Add	318.28	
32 31 19 00-0125	EA		20' Wide x 6' High Steel Tube Double Swing Gate.....	3,674.22	98.34
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	805.62	
			For Aluminum With Satin Finish, Add	975.80	
			For Third Rail, Add	254.49	
			For 1" Square x 14 Gauge Pickets, Add	339.32	
32 31 19 00-0126			7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0127	EA		3' Wide x 7' High Steel Tube Single Swing Gate.....	977.55	22.26
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	214.93	
			For Aluminum With Satin Finish, Add	263.15	
			For Third Rail, Add	68.30	
			For 1" Square x 14 Gauge Pickets, Add	91.06	
32 31 19 00-0128	EA		3'-6" Wide x 7' High Steel Tube Single Swing Gate.....	1,027.06	23.46
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	225.80	
			For Aluminum With Satin Finish, Add	276.41	
			For Third Rail, Add	71.75	
			For 1" Square x 14 Gauge Pickets, Add	95.66	
32 31 19 00-0129	EA		4' Wide x 7' High Steel Tube Single Swing Gate.....	1,076.74	24.67
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	236.70	
			For Aluminum With Satin Finish, Add	289.65	
			For Third Rail, Add	75.19	
			For 1" Square x 14 Gauge Pickets, Add	100.26	
32 31 19 00-0130	EA		5' Wide x 7' High Steel Tube Single Swing Gate.....	1,126.47	25.95
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	247.61	
			For Aluminum With Satin Finish, Add	302.87	
			For Third Rail, Add	78.64	
			For 1" Square x 14 Gauge Pickets, Add	104.85	
32 31 19 00-0131	EA		6' Wide x 7' High Steel Tube Single Swing Gate.....	1,302.49	31.58
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	285.95	
			For Aluminum With Satin Finish, Add	348.08	
			For Third Rail, Add	90.58	
			For 1" Square x 14 Gauge Pickets, Add	120.77	
32 31 19 00-0132	EA		7' Wide x 7' High Steel Tube Single Swing Gate.....	1,463.54	36.96
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	320.98	
			For Aluminum With Satin Finish, Add	389.17	
			For Third Rail, Add	101.45	
			For 1" Square x 14 Gauge Pickets, Add	135.27	
32 31 19 00-0133	EA		8' Wide x 7' High Steel Tube Single Swing Gate.....	1,579.43	42.50
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	345.79	
			For Aluminum With Satin Finish, Add	416.35	
			For Third Rail, Add	108.88	
			For 1" Square x 14 Gauge Pickets, Add	145.17	
32 31 19 00-0134	EA		9' Wide x 7' High Steel Tube Single Swing Gate.....	1,712.20	47.89
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	374.46	
			For Aluminum With Satin Finish, Add	448.95	
			For Third Rail, Add	117.63	
			For 1" Square x 14 Gauge Pickets, Add	156.84	
32 31 19 00-0135	EA		10' Wide x 7' High Steel Tube Single Swing Gate.....	1,875.83	53.51
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	410.01	
			For Aluminum With Satin Finish, Add	490.44	
			For Third Rail, Add	128.64	
			For 1" Square x 14 Gauge Pickets, Add	171.52	
32 31 19 00-0136	EA		6' Wide x 7' High Steel Tube Double Swing Gate.....	1,925.54	36.48
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	425.42	
			For Aluminum With Satin Finish, Add	530.73	
			For Third Rail, Add	136.59	
			For 1" Square x 14 Gauge Pickets, Add	182.13	
32 31 19 00-0137	EA		7' Wide x 7' High Steel Tube Double Swing Gate.....	2,035.16	42.66
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	448.76	
			For Aluminum With Satin Finish, Add	555.66	
			For Third Rail, Add	143.49	
			For 1" Square x 14 Gauge Pickets, Add	191.32	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0138	EA 8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,145.66	49.17
	<i>For Solid Pickets, Add</i>	472.23	
	<i>For Aluminum With Satin Finish, Add</i>	580.46	
	<i>For Third Rail, Add</i>	150.39	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.51	
32 31 19 00-0139	EA 9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,257.04	55.36
	<i>For Solid Pickets, Add</i>	495.97	
	<i>For Aluminum With Satin Finish, Add</i>	605.93	
	<i>For Third Rail, Add</i>	157.41	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.89	
32 31 19 00-0140	EA 10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,542.61	61.87
	<i>For Solid Pickets, Add</i>	558.83	
	<i>For Aluminum With Satin Finish, Add</i>	683.24	
	<i>For Third Rail, Add</i>	177.44	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.59	
32 31 19 00-0141	EA 12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,077.48	69.02
	<i>For Solid Pickets, Add</i>	677.65	
	<i>For Aluminum With Satin Finish, Add</i>	834.56	
	<i>For Third Rail, Add</i>	216.03	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	288.04	
32 31 19 00-0142	EA 14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,037.69	77.37
	<i>For Solid Pickets, Add</i>	666.91	
	<i>For Aluminum With Satin Finish, Add</i>	811.88	
	<i>For Third Rail, Add</i>	211.26	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	281.67	
32 31 19 00-0143	EA 16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,289.65	86.29
	<i>For Solid Pickets, Add</i>	721.68	
	<i>For Aluminum With Satin Finish, Add</i>	875.93	
	<i>For Third Rail, Add</i>	228.23	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	304.31	
32 31 19 00-0144	EA 18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,591.12	96.50
	<i>For Solid Pickets, Add</i>	787.32	
	<i>For Aluminum With Satin Finish, Add</i>	953.25	
	<i>For Third Rail, Add</i>	248.65	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	331.54	
32 31 19 00-0145	EA 20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,787.38	107.66
	<i>For Solid Pickets, Add</i>	829.09	
	<i>For Aluminum With Satin Finish, Add</i>	997.81	
	<i>For Third Rail, Add</i>	260.99	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	347.98	
32 31 19 00-0146	8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA 3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,062.50	24.11
	<i>For Solid Pickets, Add</i>	233.64	
	<i>For Aluminum With Satin Finish, Add</i>	286.21	
	<i>For Third Rail, Add</i>	74.26	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.02	
32 31 19 00-0148	EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,114.26	25.39
	<i>For Solid Pickets, Add</i>	244.98	
	<i>For Aluminum With Satin Finish, Add</i>	299.93	
	<i>For Third Rail, Add</i>	77.84	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.79	
32 31 19 00-0149	EA 4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,169.55	26.75
	<i>For Solid Pickets, Add</i>	257.12	
	<i>For Aluminum With Satin Finish, Add</i>	314.71	
	<i>For Third Rail, Add</i>	81.69	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.92	
32 31 19 00-0150	EA 5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,217.70	29.81
	<i>For Solid Pickets, Add</i>	267.26	
	<i>For Aluminum With Satin Finish, Add</i>	324.99	
	<i>For Third Rail, Add</i>	84.61	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	112.81	
32 31 19 00-0151	EA 6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,441.53	33.75
	<i>For Solid Pickets, Add</i>	316.75	
	<i>For Aluminum With Satin Finish, Add</i>	386.91	
	<i>For Third Rail, Add</i>	100.52	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.03	
32 31 19 00-0152	EA 7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,602.10	40.65
	<i>For Solid Pickets, Add</i>	351.31	
	<i>For Aluminum With Satin Finish, Add</i>	425.68	
	<i>For Third Rail, Add</i>	111.00	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,669.93 365.07 436.98 114.58 152.77	47.32
32 31	19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,788.08 390.09 463.03 121.87 162.50	54.31
32 31	19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,890.29 411.52 484.30 127.97 170.63	61.30
32 31	19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,093.50 462.69 577.94 148.66 198.22	38.97
32 31	19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,215.50 488.41 604.20 156.09 208.12	47.00
32 31	19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,334.85 513.61 630.06 163.38 217.84	54.71
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,433.87 534.17 649.43 169.08 225.45	62.83
32 31	19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,829.94 621.56 757.91 197.07 262.76	70.87
32 31	19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,532.78 777.77 957.23 247.86 330.48	79.78
32 31	19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,218.92 704.97 849.95 222.13 296.17	89.98
32 31	19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,443.46 752.97 902.20 236.45 315.27	101.79
32 31	19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,793.55 828.96 990.52 259.93 346.57	114.73
32 31	19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,863.38 841.55 992.78 262.05 349.40	129.28
32 31	19 00-0166		Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31	19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket <i>For 1" Square x 14 Gauge Pickets, Add</i>	23.14 0.71	
32 31	19 00-0168		Removal And Reinstallation Of Ornamental Fences (32 31 19)		
32 31	19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	36.15	
32 31	19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	39.77	
32 31	19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	43.38	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height.....	47.00	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height.....	50.61	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height.....	54.23	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height.....	60.26	

32 31 26 Wire Fences and Gates (32 31)**32 31 26 13 Wire Fences with Steel Posts (32 31 26)**

32 31 26 13-0001		Chicken Wire (32 31 26 13) Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	6.89	1.44
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	7.49	1.44
32 31 26 13-0004		Wire And Screen (32 31 26 13)		
32 31 26 13-0005		Screen For Partitions And Ceilings (32 31 26 13-0004) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0006	SF	1" Mesh Chicken Wire.....	1.53	
32 31 26 13-0007		Wicket Fence (32 31 26 13)		
32 31 26 13-0008	LF	Steel Wicket Fence, Painted.....	53.27	3.88

32 31 29 Wood Fences and Gates (32 31)

See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 29 00-0001		Open Rail Fence (32 31 29)		
32 31 29 00-0002		Post And Rail Fence, Ranch Style (32 31 29 00-0001)		
32 31 29 00-0003	LF	Post And Rail Fence, 2 Rails, 3' High # 1 Cedar.....	25.09	2.86
32 31 29 00-0004	LF	Post And Rail Fence, 2 Rails, 3' High # 2 Cedar.....	18.91	2.86
32 31 29 00-0005	LF	Post And Rail Fence, 3 Rails, 4' High # 1 Cedar.....	30.11	2.86
32 31 29 00-0006	LF	Post And Rail Fence, 3 Rails, 4' High # 2 Cedar.....	20.47	2.86
32 31 29 00-0007		Split Rail Fence (32 31 29 00-0001)		
32 31 29 00-0008	LF	Split Rail Fence, 2 Rails, 3' High # 1 Cedar.....	23.50	2.86
32 31 29 00-0009	LF	Split Rail Fence, 2 Rails, 3' High # 2 Cedar.....	18.84	2.86
32 31 29 00-0010	LF	Split Rail Fence, 3 Rail, 4' High # 1 Cedar.....	27.07	2.86
32 31 29 00-0011	LF	Split Rail Fence, 3 Rail, 4' High # 2 Cedar.....	21.37	2.86
32 31 29 00-0012		Picket Fence (32 31 29)		
32 31 29 00-0013	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated.....	27.99	2.86
		For Fastening With Screws Instead Of Nails, Add	1.74	
32 31 29 00-0014	LF	Picket Fence, 2 Rail, 3' High # 1 Cedar.....	25.96	2.86
		For Fastening With Screws Instead Of Nails, Add	1.64	
32 31 29 00-0015		Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0016	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	39.69	2.86
		For Fastening With Screws Instead Of Nails, Add	2.28	
32 31 29 00-0017	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	25.12	2.86
		For Fastening With Screws Instead Of Nails, Add	1.58	
32 31 29 00-0018		Board Fence (32 31 29) Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0019	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	25.09	2.86
		For 1" x 6" Boards, Deduct	-2.46	
		For 1" x 3" Boards (Stockade Top), Add	3.00	
		For Fastening With Screws Instead Of Nails, Add	1.58	
32 31 29 00-0020	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	28.07	2.86
		For 1" x 6" Boards, Deduct	-2.68	
		For 1" x 3" Boards (Stockade Top), Add	3.25	
		For Fastening With Screws Instead Of Nails, Add	1.76	
32 31 29 00-0021	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	31.69	2.86
		For 1" x 6" Boards, Deduct	-2.89	
		For 1" x 3" Boards (Stockade Top), Add	3.45	
		For Fastening With Screws Instead Of Nails, Add	1.95	
32 31 29 00-0022	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	33.97	2.86
		For 1" x 6" Boards, Deduct	-3.04	
		For 1" x 3" Boards (Stockade Top), Add	3.62	
		For Fastening With Screws Instead Of Nails, Add	2.08	
32 31 29 00-0023	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	36.44	2.86
		For 1" x 6" Boards, Deduct	-3.21	
		For 1" x 3" Boards (Stockade Top), Add	3.79	
		For Fastening With Screws Instead Of Nails, Add	2.22	
32 31 29 00-0024	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....	27.10	2.86
		For 1" x 6" Boards, Deduct	-2.54	
		For 1" x 3" Boards (Stockade Top), Add	3.06	
		For Fastening With Screws Instead Of Nails, Add	1.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025	LF		Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	29.62 -2.74 3.30 1.84	2.86
32 31 29 00-0026	LF		Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	31.69 -2.89 3.45 1.95	2.86
32 31 29 00-0027	LF		Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	33.97 -3.04 3.62 2.08	2.86
32 31 29 00-0028	LF		Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	36.44 -3.21 3.79 2.22	2.86
32 31 29 00-0029	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" # 1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	27.11 -2.54 3.06 1.69	2.86
32 31 29 00-0030	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" # 1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	36.47 -3.02 3.50 2.18	2.86
32 31 29 00-0031	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" # 1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	38.26 -3.15 3.65 2.28	2.86
32 31 29 00-0032	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" # 1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	41.32 -3.34 3.84 2.45	2.86
32 31 29 00-0033	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" # 1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	44.63 -3.53 4.04 2.63	2.86
32 31 29 00-0034	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted	30.66	2.86
32 31 29 00-0035	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted	32.59	2.86
32 31 29 00-0036	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted	38.09	2.86
32 31 29 00-0037			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0038	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine <i>For Fastening With Screws Instead Of Nails, Add</i>	53.88 2.99	2.86
32 31 29 00-0039	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" # 1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	67.85 3.75	2.86
32 31 29 00-0040	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" # 1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	74.05 4.07	2.86
32 31 29 00-0041	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" # 1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	79.58 4.37	2.86
32 31 29 00-0042			Wood Fence Post Accessories <small>(32 31 29)</small>		
32 31 29 00-0043	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	33.98	
32 31 29 00-0044	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	37.88	
32 31 29 00-0045	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	41.31	
32 31 29 00-0046	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	60.34	
32 31 29 00-0047			Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0048			Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0049	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	376.35	101.25
32 31 29 00-0050	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	419.79	107.32
32 31 29 00-0051	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	471.33	117.45
32 31 29 00-0052	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	542.59	123.52
32 31 29 00-0053	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	613.85	129.60
32 31 29 00-0054	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	475.93	133.65
32 31 29 00-0055	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	522.84	139.72
32 31 29 00-0056	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	569.76	145.80
32 31 29 00-0057	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	651.45	151.87
32 31 29 00-0058	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	715.76	157.94
32 31 29 00-0059			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0060	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	648.45	89.52
32 31 29 00-0061	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	669.62	94.89
32 31 29 00-0062	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	701.44	103.84
32 31 29 00-0063	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	739.99	109.21
32 31 29 00-0064	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	788.98	114.59
32 31 29 00-0065	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	757.89	118.17
32 31 29 00-0066	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	786.02	123.53

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 29 00-0067	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	831.54	128.91
32 31 29 00-0068	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	877.05	134.27
32 31 29 00-0069	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	922.56	139.65

32 31 29 00-0070 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0047)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0071	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	700.60	89.52
32 31 29 00-0072	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	728.73	94.89
32 31 29 00-0073	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	764.03	103.84
32 31 29 00-0074	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	809.54	109.21
32 31 29 00-0075	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	855.05	114.59
32 31 29 00-0076	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	827.44	118.17
32 31 29 00-0077	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	855.56	123.53
32 31 29 00-0078	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	901.08	128.91
32 31 29 00-0079	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	946.59	134.27
32 31 29 00-0080	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,009.49	139.65

32 32 Retaining Walls (32 30)**32 32 23 Segmental Retaining Walls** (32 32)**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls** (32 32 23)**32 32 23 13-0001 Modular Retaining Wall Systems** (32 32 23 13)

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	41.65	7.03
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	43.93	7.39
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	46.07	8.13
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	48.31	8.87

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	43.09	7.03
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	45.37	7.39
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	47.51	8.13
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	49.75	8.87

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	46.54	7.03
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	48.82	7.39
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	50.96	8.13
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	53.20	8.87

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	41.65	7.03
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	43.93	7.39
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	46.07	8.13
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	48.31	8.87
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.27	7.03
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	40.99	7.39
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	43.16	8.13
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	45.13	8.87

32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	24.80	
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32 33 Site Furnishings (32 30)**32 33 13 Site Bicycle Racks** (32 33)**32 33 13 00-0001 Bicycle Organizer And Rack** (32 33 13)**32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized** (32 33 13 00-0001)**32 33 13 00-0003 Double Sided** (32 33 13 00-0002)

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	640.14	100.34
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	962.30	164.86
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,665.28	250.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 13 00-0007			Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	560.06	89.60
32 33 13 00-0009	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	787.75	149.09
32 33 13 00-0010	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,356.06	223.99

32 33 13 00-0011			Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR		Anchor Set For Vertical Style Bike Rack	95.32	
			Note: Anchoring frame to ground.		

32 33 13 00-0013			Bike Racks Ground Loop (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0014	EA		83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	829.63	175.82

32 33 13 00-0015			Serpentine Bike Racks (32 33 13 00-0001)		
			Note: In-ground mount.		

32 33 13 00-0016			Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	454.65	107.52
32 33 13 00-0018	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	626.43	116.47
32 33 13 00-0019	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	798.23	125.44
32 33 13 00-0020	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	992.01	134.40
32 33 13 00-0021	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,185.79	143.35
32 33 13 00-0022	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,291.64	152.32

32 33 13 00-0023			Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	519.10	107.52
32 33 13 00-0025	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	672.90	116.47
32 33 13 00-0026	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	826.71	125.44
32 33 13 00-0027	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	963.53	134.40
32 33 13 00-0028	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,117.35	143.35
32 33 13 00-0029	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,305.13	152.32

32 33 13 00-0030			Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	454.65	107.52
32 33 13 00-0032	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	626.43	116.47
32 33 13 00-0033	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	798.23	125.44
32 33 13 00-0034	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	992.01	134.40
32 33 13 00-0035	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,185.79	143.35
32 33 13 00-0036	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,291.64	152.32

32 33 13 00-0037			Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0038	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	536.08	107.52
32 33 13 00-0039	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	706.87	116.47
32 33 13 00-0040	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	860.68	125.44
32 33 13 00-0041	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,048.47	134.40
32 33 13 00-0042	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,202.28	143.35
32 33 13 00-0043	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,407.05	152.32

32 33 13 00-0044			Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	887.68	107.52
32 33 13 00-0046	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,337.55	116.47
32 33 13 00-0047	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,787.44	125.44
32 33 13 00-0048	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,299.04	134.40
32 33 13 00-0049	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,810.63	143.35
32 33 13 00-0050	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,075.39	152.32

32 33 13 00-0051			Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	688.96	107.52
32 33 13 00-0053	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,556.19	116.47
32 33 13 00-0054	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,049.73	125.44
32 33 13 00-0055	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,509.30	134.40
32 33 13 00-0056	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,985.85	143.35
32 33 13 00-0057	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,479.39	152.32

32 33 13 00-0058			Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0059	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	458.40	80.64

32 33 33			Site Manufactured Planters (32 33)		
32 33 33 00-0001			Precast Concrete Planters (32 33 33)		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	567.75		21.17
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	635.96		25.40
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	695.71		25.40
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	755.14		29.63
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	914.40		38.09
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	995.23		38.09
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,121.44		42.32
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,184.70		42.32
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,320.09		52.91
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,404.18		56.29
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,462.83		59.26
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,328.26		52.91
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,461.07		59.26
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	1,871.95		63.49
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,429.47		80.42
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	2,822.78		84.65
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,144.54		55.03
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,310.40		59.26
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,070.20		67.72
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,208.71		71.95
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	662.32		25.40
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	777.33		38.09
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	901.78		42.32
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,026.62		52.91
32 33 33 00-0029 Fiberglass Planters (32 33 33)					
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	1,397.79		21.17
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	2,331.06		21.17
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	929.04		21.17
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	1,839.50		21.17
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	538.58		21.17
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	793.64		21.17
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,421.50		21.17
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,988.42		21.17
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	709.97		21.17
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	725.95		21.17
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	734.41		21.17
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	834.27		21.17
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	907.02		21.17
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	818.45		21.17
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	878.12		21.17
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,146.80		21.17
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,266.13		21.17
32 33 33 00-0051 Timber Planters (32 33 33)					
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)					
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	691.16		42.78
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	691.16		42.78
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,373.78		42.78
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	1,181.49		42.78
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,421.85		42.78
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	3,767.75		42.78
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	5,700.24		42.78
32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)					
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	681.55		42.78
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	768.07		42.78
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	1,027.66		42.78
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	1,143.03		42.78
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,489.15		42.78
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,739.12		42.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 33 00-0067	EA		41" x 27", 30" High, Rectangular Timber Planter	1,950.64	42.78
32 33 33 00-0068	EA		54" x 27", 30" High, Rectangular Timber Planter	2,556.34	42.78
32 33 33 00-0069	EA		54" x 34", 30" High, Rectangular Timber Planter	2,892.85	42.78
32 33 33 00-0070	EA		68" x 34", 36" High, Rectangular Timber Planter	3,306.26	42.78
32 33 33 00-0071	EA		54" x 41", 36" High, Rectangular Timber Planter	3,142.82	42.78
32 33 33 00-0072	EA		68" x 41", 36" High, Rectangular Timber Planter	3,565.85	42.78
32 33 33 00-0073	EA		81" x 41", 36" High, Rectangular Timber Planter	3,998.50	42.78

32 33 43 Site Seating and Tables (32 33)

32 33 43 13 Site Seating (32 33 43)

32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0002	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade).....	1,440.75	71.30
32 33 43 13-0003	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade).....	1,804.23	71.30
32 33 43 13-0004	EA		96" Backed Wood Bench (Landscapeforms Balustrade).....	2,037.90	71.30
32 33 43 13-0005	EA		End Loop Arms For Backed Bench (Landscapeforms Balustrade).....	165.46	17.83
32 33 43 13-0006	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,576.21	71.30
32 33 43 13-0007	EA		96" Backless Wood Bench (Landscapeforms Gretchen's).....	1,785.04	71.30
32 33 43 13-0008	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's).....	1,948.72	71.30
32 33 43 13-0009	EA		96" Backed Wood Bench (Landscapeforms Gretchen's).....	2,202.71	71.30
32 33 43 13-0010	EA		72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's).....	2,230.93	71.30
32 33 43 13-0011	EA		96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's).....	2,484.91	71.30
32 33 43 13-0012	EA		59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	2,899.87	71.30
32 33 43 13-0013	EA		75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park).....	3,152.95	71.30
32 33 43 13-0014	EA		42" Backless Metal Grid Bench (Landscapeforms Manistee).....	812.91	53.48
32 33 43 13-0015	EA		62" Backless Metal Grid Bench (Landscapeforms Manistee).....	879.51	53.48
32 33 43 13-0016	EA		72" Backless Metal Grid Bench (Landscapeforms Manistee).....	950.62	62.40
32 33 43 13-0017	EA		82" Backless Metal Grid Bench (Landscapeforms Manistee).....	1,110.47	62.40
32 33 43 13-0018	EA		42" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,017.23	62.40
32 33 43 13-0019	EA		62" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,083.83	62.40
32 33 43 13-0020	EA		72" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,168.26	71.30
32 33 43 13-0021	EA		82" Backed Metal Grid Bench (Landscapeforms Manistee).....	1,341.42	71.30
32 33 43 13-0022	EA		42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,137.11	62.40
32 33 43 13-0023	EA		62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,221.54	71.30
32 33 43 13-0024	EA		72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,288.14	71.30
32 33 43 13-0025	EA		82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee).....	1,461.30	71.30
32 33 43 13-0026	EA		72" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,332.52	71.30
32 33 43 13-0027	EA		96" Backless Solid Wood Bench (Landscapeforms Palisade).....	2,682.45	71.30
32 33 43 13-0028	EA		70" Backless Perforated Metal Bench (Landscapeforms Petoskey).....	1,492.68	71.30
32 33 43 13-0029	EA		70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,804.23	71.30
32 33 43 13-0030	EA		70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	1,960.01	71.30
32 33 43 13-0031	EA		72" Backed Wood Bench (Landscapeforms Plainwell).....	1,909.21	71.30
32 33 43 13-0032	EA		72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,118.05	71.30
32 33 43 13-0033	EA		96" Backed Wood Bench (Landscapeforms Plainwell).....	2,343.81	71.30
32 33 43 13-0034	EA		96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,552.64	71.30
32 33 43 13-0035	EA		96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell).....	2,767.12	71.30
32 33 43 13-0036	EA		72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,434.11	71.30
32 33 43 13-0037	EA		72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	2,642.95	71.30
32 33 43 13-0038	EA		96" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,987.24	71.30
32 33 43 13-0039	EA		96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,207.36	71.30
32 33 43 13-0040	EA		96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	3,410.54	71.30
32 33 43 13-0041	EA		Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	554.91	17.83
32 33 43 13-0042	EA		Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	746.81	17.83
32 33 43 13-0043	EA		Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	746.81	17.83
32 33 43 13-0044	EA		Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	679.08	17.83
32 33 43 13-0045	EA		Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	842.76	17.83
32 33 43 13-0046	EA		Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	842.76	17.83
32 33 43 13-0047	EA		Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	842.76	17.83
32 33 43 13-0048	EA		Armrest For Metal Grid Seats (Landscapeforms Plexus).....	165.46	17.83
32 33 43 13-0049	EA		Backless Straight Metal Grid Seats (Landscapeforms Presidio).....	780.67	17.83
32 33 43 13-0050	EA		Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	865.33	17.83
32 33 43 13-0051	EA		Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	949.99	17.83
32 33 43 13-0052	EA		Backless Angled Metal Grid Seats (Landscapeforms Presidio).....	944.35	17.83
32 33 43 13-0053	EA		Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,029.01	17.83
32 33 43 13-0054	EA		Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,113.67	17.83
32 33 43 13-0055	EA		Backed Straight Metal Grid Seats (Landscapeforms Presidio).....	933.06	17.83
32 33 43 13-0056	EA		Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,017.72	17.83
32 33 43 13-0057	EA		Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,102.38	17.83
32 33 43 13-0058	EA		Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,141.89	17.83
32 33 43 13-0059	EA		Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,226.56	17.83
32 33 43 13-0060	EA		Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,311.22	17.83
32 33 43 13-0061	EA		Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,141.89	17.83
32 33 43 13-0062	EA		Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,226.56	17.83
32 33 43 13-0063	EA		Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,311.22	17.83
32 33 43 13-0064	EA		48" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,553.63	71.30
32 33 43 13-0065	EA		72" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,576.21	71.30
32 33 43 13-0066	EA		96" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,920.50	71.30
32 33 43 13-0067	EA		48" Backless Woven Bench (Landscapeforms Scarborough).....	2,332.52	71.30
32 33 43 13-0068	EA		72" Backless Woven Bench (Landscapeforms Scarborough).....	2,755.83	71.30
32 33 43 13-0069	EA		96" Backless Woven Bench (Landscapeforms Scarborough).....	3,156.56	71.30
32 33 43 13-0070	EA		24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,248.85	71.30
32 33 43 13-0071	EA		48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,666.52	71.30
32 33 43 13-0072	EA		72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,706.03	71.30

32 Exterior Improvements

32 30 Site Improvements

32 33 Site Furnishings

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32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	1,965.65	71.30
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,219.64	71.30
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,484.91	71.30
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,744.54	71.30
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,219.64	71.30
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	2,688.10	71.30
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,145.27	71.30
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,410.54	71.30
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	3,974.95	71.30
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,234.58	71.30
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,488.57	71.30
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,056.06	62.40
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,276.18	62.40
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,394.70	62.40
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,632.65	71.30
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,852.77	71.30

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) (32 33 43 13)

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	606.61	35.65
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	695.02	35.65
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	889.48	35.65
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	633.15	35.65
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	721.54	35.65
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	924.83	35.65
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	924.83	35.65
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,075.09	35.65
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	1,384.45	35.65
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	969.03	35.65
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,119.29	35.65
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	1,446.32	35.65
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	1,782.20	35.65
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	2,091.56	35.65
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	2,736.80	35.65
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	1,826.40	35.65
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	2,135.76	35.65
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	2,798.67	35.65
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	703.86	35.65
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	792.25	35.65
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	730.38	35.65
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	818.77	35.65
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,172.32	35.65
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	1,384.45	35.65
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,243.03	35.65
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	1,455.16	35.65
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	742.00	53.48
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	777.36	53.48
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,051.36	53.48
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	571.28	35.65
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	659.67	35.65
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	748.05	35.65
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	960.19	35.65
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,048.58	35.65
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	580.12	35.65
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	668.50	35.65
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	756.89	35.65
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	986.70	35.65
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,075.09	35.65
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	977.86	35.65
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,128.13	35.65
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	1,455.16	35.65
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	1,605.42	35.65
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	995.54	35.65
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,145.80	35.65
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	1,481.68	35.65
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	1,631.94	35.65
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	977.86	35.65
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	1,375.61	35.65
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,225.35	35.65
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	1,614.26	35.65
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	1,764.52	35.65

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32 33 43 13-0143	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,119.29	35.65
32 33 43 13-0144	EA		82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,402.13	35.65
32 33 43 13-0145	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,243.03	35.65
32 33 43 13-0146	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	1,640.78	35.65
32 33 43 13-0147	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	1,791.04	35.65
32 33 43 13-0148	EA		70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,033.68	53.48
32 33 43 13-0149	EA		94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,192.78	53.48
32 33 43 13-0150	EA		118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	1,528.66	53.48
32 33 43 13-0151	EA		70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,130.91	53.48
32 33 43 13-0152	EA		94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,290.01	53.48
32 33 43 13-0153	EA		118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	1,678.92	53.48

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA		70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	827.60	35.65
32 33 43 13-0156	EA		94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,128.13	35.65
32 33 43 13-0157	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	854.12	35.65
32 33 43 13-0158	EA		94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,154.64	35.65
32 33 43 13-0159	EA		46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,296.06	35.65
32 33 43 13-0160	EA		70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	1,517.04	35.65
32 33 43 13-0161	EA		46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	1,366.78	35.65
32 33 43 13-0162	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	1,587.75	35.65
32 33 43 13-0163	EA		70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	830.39	53.48
32 33 43 13-0164	EA		94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	998.33	53.48
32 33 43 13-0165	EA		118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,175.10	53.48
32 33 43 13-0166	EA		70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	677.32	35.65
32 33 43 13-0167	EA		94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	907.15	35.65
32 33 43 13-0168	EA		118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,083.93	35.65
32 33 43 13-0169	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	703.86	35.65
32 33 43 13-0170	EA		94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	933.67	35.65
32 33 43 13-0171	EA		118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,119.29	35.65
32 33 43 13-0172	EA		70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,075.09	35.65
32 33 43 13-0173	EA		94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,446.32	35.65
32 33 43 13-0174	EA		118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	1,755.69	35.65
32 33 43 13-0175	EA		70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,119.29	35.65
32 33 43 13-0176	EA		94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	1,508.20	35.65
32 33 43 13-0177	EA		118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	1,817.56	35.65
32 33 43 13-0178	EA		70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	2,091.56	35.65
32 33 43 13-0179	EA		94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	2,878.22	35.65
32 33 43 13-0180	EA		118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	3,187.58	35.65
32 33 43 13-0181	EA		70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	2,135.76	35.65
32 33 43 13-0182	EA		94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	2,940.09	35.65
32 33 43 13-0183	EA		118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	3,249.45	35.65
32 33 43 13-0184	EA		70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,313.74	35.65
32 33 43 13-0185	EA		82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	1,826.40	35.65
32 33 43 13-0186	EA		94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	1,746.85	35.65
32 33 43 13-0187	EA		118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,003.17	35.65
32 33 43 13-0188	EA		142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	2,692.61	35.65
32 33 43 13-0189	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,331.42	35.65
32 33 43 13-0190	EA		82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	1,852.91	35.65
32 33 43 13-0191	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	1,773.36	35.65
32 33 43 13-0192	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	2,029.69	35.65
32 33 43 13-0193	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	2,736.80	35.65
32 33 43 13-0194	EA		70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,254.65	53.48
32 33 43 13-0195	EA		94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	1,687.76	53.48
32 33 43 13-0196	EA		118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	2,085.51	53.48
32 33 43 13-0197	EA		70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,404.92	53.48
32 33 43 13-0198	EA		94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	1,873.38	53.48

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**MINOR
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32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	2,058.99	53.48
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	606.63	35.65
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	792.25	35.65
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,066.25	35.65
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,251.87	35.65
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	1,455.16	35.65
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	624.31	35.65
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	809.93	35.65
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,092.77	35.65
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,278.39	35.65
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,490.52	35.65
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,172.32	35.65
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,605.42	35.65
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	1,976.66	35.65
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	2,224.15	35.65
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,190.00	35.65
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,631.94	35.65
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,003.17	35.65
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	2,259.50	35.65

32 33 43 53 Site Tables (32 33 43)

32 33 43 53-0001		Picnic Tables (32 33 43 53)		
32 33 43 53-0002		Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table	1,272.17	53.48
32 33 43 53-0004		Portable Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame.....	852.80	35.65
32 33 43 53-0006	EA	6' Aluminum Table And Frame.....	1,230.47	35.65
32 33 43 53-0007	EA	8' Aluminum Table And Frame.....	1,469.10	44.57
32 33 43 53-0008	EA	6' Steel Table And Frame	890.77	35.65
32 33 43 53-0009	EA	8' Steel Table And Frame	1,020.63	44.57
32 33 43 53-0010		Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikrete QLB72PT)	1,777.42	142.61
32 33 43 53-0012	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLB796PT Or QLMR96PT)	2,048.37	
		Note: Standard sealer		
32 33 43 53-0013	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA)	2,054.86	
		Note: Standard sealer		
32 33 43 53-0014	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC)	2,176.71	
		Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0015		Plastic Picnic Tables (32 33 43 53-0001)		
		Note: Manufactured from recycled plastic.		
32 33 43 53-0016		Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0015)		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	721.80	53.48
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	787.11	53.48
32 33 43 53-0019		Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0015)		
32 33 43 53-0020	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	933.59	53.48
32 33 43 53-0021	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	1,021.30	53.48
32 33 43 53-0022		Recycled Plastic Tables (32 33 43 53-0015)		
32 33 43 53-0023	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	1,210.38	53.48
32 33 43 53-0024	EA	6" "Walk-Through" Table, Recycled Plastic Lumber	1,014.79	53.48
32 33 43 53-0025	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	1,104.67	53.48
32 33 43 53-0026	EA	8" "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	1,035.64	53.48
32 33 43 53-0027	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	1,292.89	53.48
32 33 43 53-0028	EA	4' Youth Table, Recycled Plastic Lumber.....	530.50	42.78

32 39 Manufactured Site Specialties (32 30)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0139 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001			Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated 40.97		9.71
			<i>For Galvanized Steel, Add</i> 3.66		
			<i>For 304 Stainless Steel, Add</i> 29.09		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 101.68		
			<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 74.80		
			<i>For Schedule 80, Add</i> 5.17		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 8.87		
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated 53.41		9.71
			<i>For Galvanized Steel, Add</i> 5.78		
			<i>For 304 Stainless Steel, Add</i> 45.89		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 101.68		
			<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i> 74.80		
			<i>For Schedule 80, Add</i> 7.04		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 12.63		
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated 74.69		12.14
			<i>For Galvanized Steel, Add</i> 8.57		
			<i>For 304 Stainless Steel, Add</i> 68.05		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 135.12		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 114.27		
			<i>For Schedule 80, Add</i> 9.99		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 16.86		
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated 98.10		14.57
			<i>For Galvanized Steel, Add</i> 11.72		
			<i>For 304 Stainless Steel, Add</i> 93.11		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 154.52		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 123.48		
			<i>For Schedule 80, Add</i> 13.26		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 20.68		
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated 124.43		19.42
			<i>For Galvanized Steel, Add</i> 14.55		
			<i>For 304 Stainless Steel, Add</i> 115.55		
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i> 205.96		
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 170.63		
			<i>For Schedule 80, Add</i> 16.72		
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i> 24.22		

32 39 23 Manufactured Concrete Bollards (32 39)

32 39 23 00-0001			Concrete Bollards (32 39 23) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002			Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast 595.90		77.68
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast 595.90		77.68
			Note: Surface mounted with anchor bolts embedded into grout pockets.		

32 39 25 Manufactured Wood Bollards (32 39)

32 39 25 00-0001			Wood Bollards (32 39 25) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard 18.93		7.77
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 76.53		
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard 22.50		7.77
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 76.53		
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard 29.86		8.74
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 118.39		
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard 42.60		11.65
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 129.46		
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard 58.86		15.54
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i> 183.23		

32 39 27 Manufactured Plastic Bollards (32 39)

32 39 27 00-0001			Plastic Bollards (32 39 27) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002			Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard 247.80		38.84
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard 399.24		38.84
32 39 27 00-0005			Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe 63.56		9.28
			<i>For Reflective Tape, Add</i> 7.15		

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR

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TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	68.80	10.21
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	86.07	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	86.07	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	96.58	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	86.07	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	87.58	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	86.07	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	87.58	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	122.09	9.28
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	87.92	10.21
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	111.94	10.21
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	127.32	10.21
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	107.79	11.14
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	116.80	11.14
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	116.80	11.14
		<i>For Reflective Tape, Add</i>	7.15	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	157.33	11.14
		<i>For Reflective Tape, Add</i>	7.15	

32 39 29 Manufactured Stone Bollards (32 39)**32 39 29 00-0001 Stone Bollards (32 39 29)****32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)**

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish	1,207.73	97.10
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish	1,524.97	135.94
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top	735.98	97.10
		Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish	1,113.61	77.68
		Note: Flat Top, surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section	1,675.65	77.68
		Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.		

32 80 Irrigation (32)**32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	34.92	8.00
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	57.88	8.00
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	56.28	8.00
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	77.86	8.00

32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	123.44	8.00
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	124.63	8.00
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	44.95	8.00
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	45.90	8.00
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	134.49	8.00
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	59.23	8.00
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	66.67	8.00

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	43.99	8.00
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	43.99	8.00
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	43.99	8.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	51.81	8.00
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32 84 13 00-0020 Drip Emmitter Irrigation Tubing (32 84 13 00-0001)

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	3.13	1.12
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	2.81	1.28
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XQ100).....	2.37	1.12
				<i>For Shallow Trenching And Backfill By Hand, Add</i>	4.58
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XT700100).....	2.85	1.28
				<i>For Shallow Trenching And Backfill By Hand, Add</i>	4.96

32 84 13 00-0025 Drip Emmitter Irrigation Fittings (32 84 13 00-0001)

32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	2.14	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	2.17	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	2.21	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	2.35	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	2.12	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	2.28	
				<i>For Compression Fitting, Add</i>	0.28
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	2.36	
				<i>For Compression Fitting, Add</i>	0.36
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	2.41	
				<i>For Compression Fitting, Add</i>	0.41
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	2.43	
				<i>For Compression Fitting, Add</i>	0.43
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFFCROSS).....	2.60	
				<i>For Compression Fitting, Add</i>	0.60
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	2.79	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.37	

32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)

32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB20PC).....	4.44	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® PC24).....	5.20	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB056).....	11.37	

32 84 13 00-0042 Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)

32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rain Bird® SXB360SPYK).....	17.17	7.20
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rain Bird® XS360TSPYK).....	17.22	7.20
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	19.31	7.20
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	19.53	7.20
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	28.77	9.44
				Note: Includes nozzle.	
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	31.47	9.44
				Note: Includes nozzle.	
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	33.12	9.44
				Note: Includes nozzle.	

32 84 13 00-0050 Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)

Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.

32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	3.22	1.40
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32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001 Sprinkler Heads (32 84 23)

32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	25.19	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	23.66	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	29.34	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	34.10	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	25.80	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	33.80	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	37.65	8.84
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	28.08	8.84
				<i>For Rotary Nozzle, Add</i>	3.25

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	35.37	8.84
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	38.97	8.84
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	28.99	8.84
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	40.18	8.84
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	43.73	8.84
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016			Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0017			1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0018	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	36.43	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0019	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	37.70	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0020			3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	33.40	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0022	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	47.07	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	35.93	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	49.09	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	36.94	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	38.97	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	52.13	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	60.23	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	38.71	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0030	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	46.81	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0031			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0032	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	66.06	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	37.27	
32 84 23 00-0033			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	95.43	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0035			Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0036	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	51.88	8.84
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0037	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	39.73	8.84
32 84 23 00-0038	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	80.22	8.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0039			Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0040			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0039)</small>		
			Note: 15 to 150 PSI.		
32 84 23 00-0041	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	106.22	36.86
32 84 23 00-0042	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	106.22	36.86
32 84 23 00-0043	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	107.23	36.86
32 84 23 00-0044			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0039)</small>		
			Note: 15 to 150 PSI.		
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	107.23	36.86
32 84 23 00-0046			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0039)</small>		
			Note: 20 to 200 PSI.		
32 84 23 00-0047	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	188.25	36.86
32 84 23 00-0048	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	223.70	36.86
32 84 23 00-0049	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	269.27	36.86
32 84 23 00-0050			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0039)</small>		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0051	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	274.45	41.43
32 84 23 00-0052	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	309.90	41.43
32 84 23 00-0053	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	355.47	41.43
32 84 23 00-0054			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0039)</small>		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0055	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	325.09	41.43
32 84 23 00-0056	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	360.53	41.43
32 84 23 00-0057	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	406.11	41.43
32 84 23 00-0058			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0039)</small>		
			Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0059	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	289.07	36.86
32 84 23 00-0060	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	452.03	36.86
32 84 23 00-0061	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	466.76	36.86
32 84 23 00-0062	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,114.14	49.76
32 84 23 00-0063			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0039)</small>		
			Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0064	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	263.46	41.43
32 84 23 00-0065	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	311.92	41.43
32 84 23 00-0066	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	364.53	41.43
32 84 23 00-0067	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	433.81	41.43
32 84 23 00-0068			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0039)</small>		
			Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	354.55	41.43
32 84 23 00-0070	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	547.90	41.43
32 84 23 00-0071	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	564.47	41.43
32 84 23 00-0072	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,196.07	41.43

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0073 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0039)</small>		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	362.72	36.86
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	525.69	36.86
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	540.42	36.86
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,187.80	49.76
32 84 23 00-0078 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0039)</small>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	339.42	41.43
32 84 23 00-0080 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	387.88	41.43
32 84 23 00-0081 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	440.49	41.43
32 84 23 00-0082 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	509.77	41.43
32 84 23 00-0083 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0039)</small>		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	428.21	41.43
32 84 23 00-0085 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	621.55	41.43
32 84 23 00-0086 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	638.13	41.43
32 84 23 00-0087 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,269.73	41.43
32 84 23 00-0088 Irrigation Valve Boxes <small>(32 84 23)</small>		
Note: Includes lid.		
32 84 23 00-0089 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	62.93	26.54
32 84 23 00-0090 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	74.89	26.54
32 84 23 00-0091 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	98.21	34.94
32 84 23 00-0092 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	164.82	51.01
32 84 23 00-0093 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	168.38	51.01
32 84 23 00-0094 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	193.92	51.01
32 84 23 00-0095 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	196.97	51.01
32 84 23 00-0096 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	342.93	51.01
32 84 23 00-0097 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	531.99	51.01
32 84 23 00-0098 Irrigation Controllers <small>(32 84 23)</small>		
See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0099 Irrigation Controllers <small>(32 84 23 00-0098)</small>		
32 84 23 00-0100 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0099)</small>		
32 84 23 00-0101 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0100)</small>		
32 84 23 00-0102 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0101)</small>		
32 84 23 00-0103 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0102)</small>		
32 84 23 00-0104 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	265.46	28.53
32 84 23 00-0105 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	371.37	28.53
32 84 23 00-0106 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	477.29	28.53
32 84 23 00-0107 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	583.21	28.53
32 84 23 00-0108 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	660.61	28.53
32 84 23 00-0109 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	770.10	28.53
32 84 23 00-0110 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	879.59	28.53
32 84 23 00-0111 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0102)</small>		
32 84 23 00-0112 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	305.84	28.53
32 84 23 00-0113 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	411.76	28.53
32 84 23 00-0114 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	517.68	28.53
32 84 23 00-0115 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	623.59	28.53
32 84 23 00-0116 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	701.00	28.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0117	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	810.49	28.53
32 84 23 00-0118	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	919.97	28.53
32 84 23 00-0119			Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0101)		
32 84 23 00-0120			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0119)		
32 84 23 00-0121	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	405.75	28.53
32 84 23 00-0122	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	511.66	28.53
32 84 23 00-0123	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	617.58	28.53
32 84 23 00-0124	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	723.50	28.53
32 84 23 00-0125	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	800.90	28.53
32 84 23 00-0126	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	910.39	28.53
32 84 23 00-0127	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,019.88	28.53
32 84 23 00-0128			Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0119)		
32 84 23 00-0129	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	436.01	28.53
32 84 23 00-0130	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	541.92	28.53
32 84 23 00-0131	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	647.84	28.53
32 84 23 00-0132	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	753.76	28.53
32 84 23 00-0133	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	831.16	28.53
32 84 23 00-0134	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	940.66	28.53
32 84 23 00-0135	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,050.14	28.53
32 84 23 00-0136			Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0101)		
32 84 23 00-0137	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	109.48	
32 84 23 00-0138	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	210.54	
32 84 23 00-0139	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	273.91	
32 84 23 00-0140			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0100)		
32 84 23 00-0141			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0140)		
32 84 23 00-0142	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	616.81	28.53
32 84 23 00-0143	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	749.53	28.53
32 84 23 00-0144	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	884.23	28.53
32 84 23 00-0145	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,016.95	28.53
32 84 23 00-0146	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,151.63	28.53
32 84 23 00-0147	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,284.37	28.53
32 84 23 00-0148	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,419.05	28.53
32 84 23 00-0149	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,551.77	28.53
32 84 23 00-0150	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,686.46	28.53
32 84 23 00-0151	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,819.19	28.53
32 84 23 00-0152			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0140)		
32 84 23 00-0153	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	601.61	28.53
32 84 23 00-0154	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	734.33	28.53
32 84 23 00-0155	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	869.01	28.53
32 84 23 00-0156	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,001.75	28.53
32 84 23 00-0157	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,136.43	28.53
32 84 23 00-0158	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,269.15	28.53
32 84 23 00-0159	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,403.84	28.53
32 84 23 00-0160	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,536.57	28.53
32 84 23 00-0161	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,671.25	28.53
32 84 23 00-0162	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,803.98	28.53
32 84 23 00-0163	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,938.67	28.53
32 84 23 00-0164			Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0140)		
32 84 23 00-0165	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	428.76	
32 84 23 00-0166	EA		Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM)..... Note: Excludes concrete foundation.	989.73	
32 84 23 00-0167	EA		Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	923.32	
32 84 23 00-0168	EA		Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... Note: Excludes concrete foundation.	2,047.42	
32 84 23 00-0169	EA		4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	132.72	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0170	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	267.42		
		Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.			
32 84 23 00-0171	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	413.60		
		Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.			
32 84 23 00-0172	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	150.08		
32 84 23 00-0173		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0100)			
32 84 23 00-0174		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0173)			
32 84 23 00-0175	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	291.23		28.53
32 84 23 00-0176	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	354.02		28.53
32 84 23 00-0177	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	446.31		28.53
32 84 23 00-0178		Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0173)			
32 84 23 00-0179	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	342.77		
32 84 23 00-0180	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	76.78		21.39
32 84 23 00-0181		Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0100)			
32 84 23 00-0182	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	117.89		21.39
32 84 23 00-0183	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	233.69		21.39
32 84 23 00-0184	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	245.44		21.39
32 84 23 00-0185	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	347.29		21.39
32 84 23 00-0186		Two-Wire Decoder Systems (32 84 23 00-0098)			
32 84 23 00-0187		Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0186)			
32 84 23 00-0188		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0187)			
		Note: Includes water resistant cabinet.			
32 84 23 00-0189	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,704.48		28.53
32 84 23 00-0190	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,507.19		28.53
32 84 23 00-0191	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,309.91		28.53
32 84 23 00-0192		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)			
32 84 23 00-0193	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	214.45		28.53
32 84 23 00-0194	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	271.81		28.53
32 84 23 00-0195	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	403.53		28.53
32 84 23 00-0196	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	486.55		28.53
32 84 23 00-0197	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	794.95		28.53
32 84 23 00-0198		Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)			
32 84 23 00-0199	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	1,279.75		
32 84 23 00-0200	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	802.71		
32 84 23 00-0201	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	162.81		24.96
32 84 23 00-0202	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	693.18		28.53
32 84 23 00-0203		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0098)			
		Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.			
32 84 23 00-0204	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	3,332.74		160.43
32 84 23 00-0205	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	3,514.69		169.35
32 84 23 00-0206	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	4,874.78		178.26
32 84 23 00-0207		Irrigation Valves (32 84 23)			
32 84 23 00-0208		Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0207)			
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).			
32 84 23 00-0209	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	582.00		30.40
32 84 23 00-0210	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	690.38		37.12
32 84 23 00-0211	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,045.42		43.21
32 84 23 00-0212	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,104.71		49.60
32 84 23 00-0213	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,324.71		64.00
32 84 23 00-0214		Brass Quick-Coupling Irrigation Valves (32 84 23 00-0207)			
32 84 23 00-0215	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	123.79		26.54
		For Valve Key, Add	37.22		
32 84 23 00-0216	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	128.09		26.54
		For Locking Cover, Add	25.00		
		For Valve Key, Add	37.22		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0217	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)..... <i>For Valve Key, Add</i>	175.44 95.20	26.54
32 84 23 00-0218	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)..... <i>For Valve Key, Add</i>	192.66 95.20	26.54
32 84 23 00-0219			Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0207) Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	221.80	22.40
32 84 23 00-0221	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	320.21	25.60
32 84 23 00-0222	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	586.86	29.60
32 84 23 00-0223	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	715.31	32.80
32 84 23 00-0224	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	719.21	40.01
32 84 23 00-0225			Irrigation Piping (32 84 23)		
32 84 23 00-0226	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.25 -0.11	0.92
32 84 23 00-0227	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.72 -0.14	1.10
32 84 23 00-0228	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	3.89 -0.19	1.40
32 84 23 00-0229	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	5.05 -0.25	1.76
32 84 23 00-0230	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	6.54 -0.33	2.05
32 84 23 00-0231			Irrigation Swing Joints (32 84 23)		
32 84 23 00-0232	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	47.32	14.68
32 84 23 00-0233	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	53.94	16.38
32 84 23 00-0234	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	74.20	16.38
32 84 23 00-0235			Irrigation Control Wire (32 84 23) Note: Excludes excavation and backfill.		
32 84 23 00-0236			18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0237	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	36.26	11.06
32 84 23 00-0238	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	47.81	12.90
32 84 23 00-0239	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	55.03	14.75
32 84 23 00-0240	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	63.04	16.59
32 84 23 00-0241	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	71.83	18.44
32 84 23 00-0242	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	86.14	20.27
32 84 23 00-0243	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	99.84	22.11
32 84 23 00-0244	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	108.49	23.96
32 84 23 00-0245	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	119.21	25.80
32 84 23 00-0246	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	131.55	27.64
32 84 23 00-0247	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	136.00	29.49
32 84 23 00-0248	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	141.27	31.33
32 84 23 00-0249	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	149.03	33.17
32 84 23 00-0250			16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0251	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	38.35	11.06
32 84 23 00-0252			14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0253	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	38.35	11.06
32 84 23 00-0254			12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0255	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench.....	52.18	11.06
32 84 23 00-0256			10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0257	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench.....	69.69	11.06
32 84 23 00-0258			Root Watering Systems (32 84 23) Note: Includes swing assembly.		
32 84 23 00-0259	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)..... <i>For Root Watering Sand Sock, Add</i>	77.81 1.10	14.75
32 84 23 00-0260	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)..... <i>For Root Watering Sand Sock, Add</i>	84.51 1.10	14.75
32 84 23 00-0261	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)..... <i>For Root Watering Sand Sock, Add</i>	77.81 1.10	14.75
32 84 23 00-0262	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)..... <i>For Root Watering Sand Sock, Add</i>	84.51 1.10	14.75
32 84 23 00-0263	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)..... <i>For Root Watering Sand Sock, Add</i>	84.51 1.10	14.75

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0264	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	67.48	12.90
			<i>For Root Watering Sand Sock, Add</i>	1.10	
32 84	23 00-0265	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	73.91	12.90
			<i>For Root Watering Sand Sock, Add</i>	1.10	
32 84	23 00-0266	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	67.48	12.90
			<i>For Root Watering Sand Sock, Add</i>	1.10	
32 84	23 00-0267	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	73.91	12.90
			<i>For Root Watering Sand Sock, Add</i>	1.10	
32 84	23 00-0268	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	44.28	11.06
			<i>For Root Watering Sand Sock, Add</i>	1.10	
32 84	23 00-0269	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	50.41	11.06
			<i>For Root Watering Sand Sock, Add</i>	1.10	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)**32 91 13 Soil Preparation** ^(32 91)**32 91 13 16 Mulching** ^(32 91 13)**32 91 13 16-0001 Mulch** ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91	13 16-0002	CY	Pea Gravel Mulch	88.09	
			<i>For >5 To 20, Deduct</i>	-7.26	
			<i>For >20 To 50, Deduct</i>	-10.89	
			<i>For >50, Deduct</i>	-15.30	
32 91	13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	244.12	
			<i>For >5 To 20, Deduct</i>	-15.06	
			<i>For >20 To 50, Deduct</i>	-22.59	
			<i>For >50, Deduct</i>	-34.80	
32 91	13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	92.84	
			<i>For >5 To 20, Deduct</i>	-7.50	
			<i>For >20 To 50, Deduct</i>	-11.25	
			<i>For >50, Deduct</i>	-15.89	
32 91	13 16-0005	CY	Pine Bark Nugget Mulch	88.87	
			<i>For >5 To 20, Deduct</i>	-7.30	
			<i>For >20 To 50, Deduct</i>	-10.95	
			<i>For >50, Deduct</i>	-15.39	
32 91	13 16-0006	CY	Hardwood Bark Nugget Mulch	87.60	
			<i>For >5 To 20, Deduct</i>	-7.24	
			<i>For >20 To 50, Deduct</i>	-10.86	
			<i>For >50, Deduct</i>	-15.24	
32 91	13 16-0007	CY	Pine Wood Chip Mulch	85.06	
			<i>For >5 To 20, Deduct</i>	-7.11	
			<i>For >20 To 50, Deduct</i>	-10.67	
			<i>For >50, Deduct</i>	-14.92	
32 91	13 16-0008	CY	Hardwood Chip Mulch.....	90.14	
			<i>For >5 To 20, Deduct</i>	-7.36	
			<i>For >20 To 50, Deduct</i>	-11.05	
			<i>For >50, Deduct</i>	-15.55	
32 91	13 16-0009	CY	Shredded Hardwood Mulch	90.14	
			<i>For >5 To 20, Deduct</i>	-7.36	
			<i>For >20 To 50, Deduct</i>	-11.05	
			<i>For >50, Deduct</i>	-15.55	
32 91	13 16-0010	CY	Shredded Pine Mulch.....	78.72	
			<i>For >5 To 20, Deduct</i>	-6.79	
			<i>For >20 To 50, Deduct</i>	-10.19	
			<i>For >50, Deduct</i>	-14.13	
32 91	13 16-0011	CY	Shredded Cedar Mulch	103.47	
			<i>For >5 To 20, Deduct</i>	-8.03	
			<i>For >20 To 50, Deduct</i>	-12.05	
			<i>For >50, Deduct</i>	-17.22	
32 91	13 16-0012	CY	Shredded Cypress Mulch.....	101.56	
			<i>For >5 To 20, Deduct</i>	-7.94	
			<i>For >20 To 50, Deduct</i>	-11.90	
			<i>For >50, Deduct</i>	-16.98	
32 91	13 16-0013	CY	Shredded Redwood Mulch.....	106.64	
			<i>For >5 To 20, Deduct</i>	-8.19	
			<i>For >20 To 50, Deduct</i>	-12.28	
			<i>For >50, Deduct</i>	-17.62	
32 91	13 16-0014	CY	Chunk Recycled Tire Mulch	161.68	
			<i>For >5 To 20, Deduct</i>	-11.73	
			<i>For >20 To 50, Deduct</i>	-17.59	
			<i>For >50, Deduct</i>	-25.67	
32 91	13 16-0015	CY	Chunk Colored Recycled Tire Mulch.....	249.26	
			<i>For >5 To 20, Deduct</i>	-16.11	
			<i>For >20 To 50, Deduct</i>	-24.16	
			<i>For >50, Deduct</i>	-36.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 91 13 16-0016	CY		Shredded Recycled Tire Mulch..... <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	250.53 -16.17 -24.25 -36.78	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	425.68 -24.93 -37.39 -58.67	
32 91 13 16-0018	EA		Pine Straw Mulch Bale..... Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen. <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.64 -0.54 -0.70 -0.92	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale..... Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen. <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.63 -0.50 -0.62 -0.88	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001			Plant Bed Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Prepare And Mix Plant Bed, Up To 8" Deep By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	0.89	
32 91 13 26-0003	SF		Prepare And Mix Plant Bed, 9" To 13" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.03	
32 91 13 26-0004	SF		Prepare And Mix Plant Bed, 14" To 18" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.21	
32 91 13 26-0005	SF		Prepare And Mix Plant Bed By Hand, Up To 8" Deep Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.12	
32 91 13 26-0006	SF		Prepare And Mix Plant Bed By Hand, 9" To 13" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	4.74	
32 91 13 26-0007	SF		Prepare And Mix Plant Bed By Hand, 14" To 18" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.57	
32 91 13 26-0008			Planting Pit Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	71.30	
32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	142.61	
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	11.02	
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	14.34	
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile	63.36	
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	99.34	
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile	6.03	
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	56.79	
32 91 13 26-0017			Weed Barrier (32 91 13 26)		
32 91 13 26-0018	SY		Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.72	
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier.....	2.31	
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.57	

32 91 13 33 Soil Conditioners (32 91 13)

32 91 13 33-0001			Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.34	
32 91 13 33-0003	MSF		Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	32.22	
32 91 13 33-0004	MSF		Fertilizer, 20 LB/MSF, Push Spreader	5.89	
32 91 13 33-0005	MSF		Fertilizer, 20 LB/MSF, Tractor Spread	2.40	
32 91 13 33-0006	MSF		Fertilizer, 20 LB/MSF, Truck Spread.....	4.33	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader	0.08	
32 91 13 33-0008	MSF		Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	6.11	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader	2.93	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	304.58	
32 91 13 33-0011	SY		Vermiculite, Push Spreader	2.72	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader.....	297.52	

32 91 13 36 Lawn Bed Preparation (32 91 13)

32 91 13 36-0001			Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002	MSF		Rake Topsoil With Machine	69.08	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 91 13 36-0003	MSF	Rake Topsoil By Hand	57.03
32 91 13 36-0004	MSF	Screen Loam By Hand	38.02
32 91 13 36-0005	SY	Roll Topsoil With Machine	0.89
32 91 13 36-0006	SY	Roll Topsoil By Hand	2.55
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	8.17
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	25.40
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	42.75
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	71.25
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	3.81
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	7.74
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.61
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.73
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	0.92
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.02

32 91 13 36-0017 Sod Removal (32 91 13 36)

32 91 13 36-0018	SY	Removal Of Sod By Hand	4.81
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.51
32 91 13 36-0020	SY	Pile Sod By Hand	2.85
32 91 13 36-0021	SY	Pile Sod With Machine	0.96

32 91 19 Landscape Grading (32 91)**32 91 19 13 Topsoil Placement and Grading** (32 91 19)**32 91 19 13-0001 Remove And Stockpile Topsoil On Site** (32 91 19 13)

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	4.05
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	4.01

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	9.20
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	6.14

32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	6.57
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	54.42

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	3.26
		<i>For Unscreened, Deduct</i>	-0.44
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	6.26
		<i>For Unscreened, Deduct</i>	-0.88
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	9.08
		<i>For Unscreened, Deduct</i>	-1.31
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	13.13
		<i>For Unscreened, Deduct</i>	-1.97
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	17.19
		<i>For Unscreened, Deduct</i>	-2.63
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	47.47
		<i>For Unscreened, Deduct</i>	-7.87

32 91 19 13-0017 Scarify Soil For Planting Preparation (32 91 19 13)

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	51.58
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	36.10
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	21.24

32 92 Turf and Grasses (32 90)**32 92 19 Seeding** (32 92)**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader	43.41
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader	32.53
		Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF	Rye, Tractor Spreader	33.30
		Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader	37.22
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader	40.03
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader..... Note: 6 LB/MSF spread rate.	36.28	
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	31.61	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader..... Note: 0.10 LB/MSF spread rate.	22.78	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	92.55	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	51.29	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	22.69	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	26.44	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate.	86.36	
			<i>For >45, Deduct</i>	-6.48	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding..... Note: 5.5 LB/MSF spread rate.	92.93	
			<i>For >45, Deduct</i>	-6.81	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread..... Note: 10 LB/MSF spread rate.	86.64	
			<i>For >45, Deduct</i>	-6.49	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	86.36	
			<i>For >45, Deduct</i>	-6.48	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	92.93	
			<i>For >45, Deduct</i>	-6.81	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate.	90.11	
			<i>For >45, Deduct</i>	-6.67	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	87.84	
			<i>For >45, Deduct</i>	-6.55	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding..... Note: 0.10 LB/MSF spread rate.	80.54	
			<i>For >45, Deduct</i>	-6.19	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate.	146.38	
			<i>For >45, Deduct</i>	-9.48	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	125.77	
			<i>For >45, Deduct</i>	-8.45	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate.	71.64	
			<i>For >45, Deduct</i>	-5.74	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate.	82.61	
			<i>For >45, Deduct</i>	-6.29	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread..... Note: 4 LB/MSF spread rate.	88.24	
			<i>For >45, Deduct</i>	-6.57	
			<i>For Tackifier, Add</i>	0.99	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed.	90.52	
			<i>For >45, Deduct</i>	-5.61	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed.	105.38	
			<i>For >45, Deduct</i>	-6.40	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed.	120.31	
			<i>For >45, Deduct</i>	-7.21	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed.	135.26	
			<i>For >45, Deduct</i>	-8.01	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium..... Note: Applied with seed. Excludes seed.	150.30	
			<i>For >45, Deduct</i>	-8.83	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 92 19 19****Seeding by Hand** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding (32 92 19 19)

Note: Excludes straw.

32 92 19 19-0002	MSF Common Bluegrass, Push Spreader Or Hand.....	97.17
	Note: 4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.64
	For >20 To 45, Deduct	-12.63
	For >45, Deduct	-20.41
32 92 19 19-0003	MSF Tall Fescue, Push Spreader Or Hand.....	86.29
	Note: 5.5 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.10
	For >20 To 45, Deduct	-11.82
	For >45, Deduct	-19.32
32 92 19 19-0004	MSF Rye, Push Spreader Or Hand.....	87.06
	Note: 10 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.14
	For >20 To 45, Deduct	-11.88
	For >45, Deduct	-19.40
32 92 19 19-0005	MSF Shade Mix, Push Spreader Or Hand.....	90.98
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
	For >5 To 20, Deduct	-6.33
	For >20 To 45, Deduct	-12.17
	For >45, Deduct	-19.79
32 92 19 19-0006	MSF Turf Mix, Push Spreader Or Hand.....	93.79
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
	For >5 To 20, Deduct	-6.47
	For >20 To 45, Deduct	-12.38
	For >45, Deduct	-20.07
32 92 19 19-0007	MSF Slope Mix, Push Spreader Or Hand.....	90.04
	Note: 6 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.28
	For >20 To 45, Deduct	-12.10
	For >45, Deduct	-19.70
32 92 19 19-0008	MSF Utility Mix, Push Spreader Or Hand.....	85.37
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
	For >5 To 20, Deduct	-6.05
	For >20 To 45, Deduct	-11.75
	For >45, Deduct	-19.23
32 92 19 19-0009	MSF Wild Flower Mix, Push Spreader Or Hand.....	76.54
	Note: 0.10 LB/MSF spread rate.	
	For >5 To 20, Deduct	-5.61
	For >20 To 45, Deduct	-11.09
	For >45, Deduct	-18.35
32 92 19 19-0010	MSF Crown Vetch Mix, Push Spreader Or Hand.....	146.31
	Note: 4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-9.10
	For >20 To 45, Deduct	-16.32
	For >45, Deduct	-25.32
32 92 19 19-0011	MSF Athletic Mix, Push Spreader Or Hand.....	105.05
	Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
	For >5 To 20, Deduct	-7.03
	For >20 To 45, Deduct	-13.23
	For >45, Deduct	-21.20
32 92 19 19-0012	MSF White Clover Mix, Push Spreader Or Hand.....	76.45
	Note: 7 LB/MSF spread rate.	
	For >5 To 20, Deduct	-5.60
	For >20 To 45, Deduct	-11.08
	For >45, Deduct	-18.34
32 92 19 19-0013	MSF Ladino Clover Mix, Push Spreader Or Hand.....	80.20
	Note: 7 LB/MSF spread rate.	
	For >5 To 20, Deduct	-5.79
	For >20 To 45, Deduct	-11.36
	For >45, Deduct	-18.71
32 92 19 19-0014	MSF 100% Kentucky Bluegrass, Push Spreader Or Hand.....	98.95
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.73
	For >20 To 45, Deduct	-12.77
	For >45, Deduct	-20.59
32 92 19 19-0015	MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	93.79
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.47
	For >20 To 45, Deduct	-12.38
	For >45, Deduct	-20.07
32 92 19 19-0016	MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	90.04
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.28
	For >20 To 45, Deduct	-12.10
	For >45, Deduct	-19.70
32 92 19 19-0017	MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	97.55
	Note: 4.4 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.66
	For >20 To 45, Deduct	-12.66
	For >45, Deduct	-20.45
32 92 19 19-0018	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	91.92
	Note: 3.3 LB/MSF spread rate.	
	For >5 To 20, Deduct	-6.38
	For >20 To 45, Deduct	-12.24
	For >45, Deduct	-19.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	93.79	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.47	
			For >20 To 45, Deduct	-12.38	
			For >45, Deduct	-20.07	

32 92 23 Sodding (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,259.48	
		For Hybrid Fescue "Marathon", Add	167.26	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,808.41	
		For Hybrid Fescue "Marathon", Add	125.82	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,525.34	
		For Hybrid Fescue "Marathon", Add	105.09	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,287.07	
		For Hybrid Fescue "Marathon", Add	84.37	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,538.22	
		For Hybrid Fescue "Marathon", Add	167.26	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,045.98	
		For Hybrid Fescue "Marathon", Add	125.82	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,689.24	
		For Hybrid Fescue "Marathon", Add	105.09	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,426.45	
		For Hybrid Fescue "Marathon", Add	84.37	

32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,882.64	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,525.78	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,289.82	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,098.65	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,161.38	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,763.35	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,453.72	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,238.01	

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	19.62	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	36.27	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	65.91	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	119.96	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	15.02	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	19.97	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	21.37	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	14.98	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	19.97	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	48.31	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	18.96	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	24.57	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	46.97	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	17.60	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	27.66	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	47.34	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	16.38	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	41.67	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	54.94	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	51.86	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	58.26	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	96.11	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	28.16	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	42.15	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	21.50	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	29.95	

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	5.48	
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	9.50	
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	19.36	
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	25.21	
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern	19.16	
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern	32.85	
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern	164.26	
32 93 13 00-0036	EA	6" Aechmea - Bromeliad	41.06	
32 93 13 00-0037	EA	8" Aechmea - Bromeliad	68.44	
32 93 13 00-0038	EA	10" Aechmea - Bromeliad	136.88	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0039	EA	10" Full Aglaonema.....	43.80	
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile.....	1.92	
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile.....	10.95	
32 93 13 00-0042	EA	3 Gallon Agapanthus africanus - Lily Of The Nile.....	32.85	
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose.....	8.21	
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf.....	8.21	
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf.....	13.69	
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass.....	8.21	
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass.....	6.30	
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail.....	2.74	
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail.....	41.06	
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	13.69	
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	16.43	
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	21.90	
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	13.69	
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant.....	46.54	
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant.....	65.70	
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush.....	32.85	
32 93 13 00-0057	EA	4" Begonia.....	1.92	
32 93 13 00-0058	EA	1 Gallon Begonia.....	16.43	
32 93 13 00-0059	EA	3 Gallon Begonia.....	41.06	
32 93 13 00-0060	EA	1 Gallon Borrchia arborescens - Sea Oxeye Daisy.....	10.95	
32 93 13 00-0061	EA	1 Gallon Borrchia frutescens - Silver Sea Oxeye.....	10.95	
32 93 13 00-0062	EA	3 Gallon Borrchia frutescens - Silver Sea Oxeye.....	28.75	
32 93 13 00-0063	EA	6" Bromeliad.....	35.59	
32 93 13 00-0064	EA	3 Gallon Bromeliad.....	54.75	
32 93 13 00-0065	EA	4-1/2" Centaurea cinerea - Dusty Miller.....	3.83	
32 93 13 00-0066	EA	1 Gallon Centaurea cinerea - Dusty Miller.....	6.84	
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus.....	1.92	
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus.....	24.64	
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather.....	35.59	
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather.....	5.48	
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern.....	38.33	
32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern.....	136.88	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern.....	328.52	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern.....	684.41	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge.....	41.06	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern.....	12.32	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern.....	30.11	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris.....	8.76	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris.....	32.85	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris.....	5.20	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris.....	10.68	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris.....	8.76	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris.....	32.85	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris.....	10.95	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush.....	1.92	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulosus - Coastal Spikerush.....	1.37	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush.....	1.37	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush.....	1.37	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos.....	8.21	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos.....	13.69	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos.....	13.69	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn.....	13.69	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn.....	24.64	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze.....	5.48	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze.....	24.64	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig.....	27.38	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig.....	9.58	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig.....	41.06	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower.....	6.30	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower.....	9.58	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East.....	6.84	
32 93 13 00-0102	EA	6" Geranium - Black Olive East.....	10.13	
32 93 13 00-0103	EA	4" Helianthus debilis - Dune Sunflower.....	5.20	
32 93 13 00-0104	EA	6" Helianthus debilis - Dune Sunflower.....	9.58	
32 93 13 00-0105	EA	1 Gallon Helianthus debilis - Dune Sunflower.....	10.95	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower.....	10.95	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower.....	6.57	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower.....	9.58	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily.....	12.32	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	10.95	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	21.90	
32 93 13 00-0112	EA	1 Gallon Hypericum reductum - Scrub Wort.....	15.60	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine.....	6.30	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine.....	8.21	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris.....	10.68	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris.....	1.37	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris.....	13.69	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'.....	5.48	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'.....	10.40	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'.....	21.90	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper.....	10.95	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper.....	20.53	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific.....	9.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0124	EA	2	Gallon Juniperus conferta - Blue Pacific	19.16	
32 93 13 00-0125	EA	3	Gallon Juniperus conferta - Blue Pacific	21.90	
32 93 13 00-0126	EA	1	Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper	9.86	
32 93 13 00-0127	EA	4"	Juniperus procumbens 'Nana'	7.39	
32 93 13 00-0128	EA	1	Gallon Juniperus procumbens 'Nana'	10.68	
32 93 13 00-0129	EA	2	Gallon Juniperus procumbens 'Nana'	19.16	
32 93 13 00-0130	EA	3	Gallon Juniperus procumbens 'Nana'	21.90	
32 93 13 00-0131	EA	4"	Liriope	6.30	
32 93 13 00-0132	EA	1	Gallon Liriope	8.21	
32 93 13 00-0133	EA	3	Gallon Liriope	19.16	
32 93 13 00-0134	EA	4"	Liriope muscari - Big Blue Lilyturf	6.02	
32 93 13 00-0135	EA	1	Gallon Liriope muscari - Big Blue Lilyturf	7.94	
32 93 13 00-0136	EA	1	Gallon Liriope muscari - Lilyturf	8.49	
32 93 13 00-0137	EA	1	Gallon Liriope 'Evergreen Giant'	9.58	
32 93 13 00-0138	EA	2	Gallon Liriope 'Evergreen Giant'	15.06	
32 93 13 00-0139	EA	3	Gallon Liriope 'Evergreen Giant'	27.38	
32 93 13 00-0140	EA	1	Gallon Liriope 'Variegata'	6.84	
32 93 13 00-0141	EA	3	Gallon Liriope 'Variegata'	21.90	
32 93 13 00-0142	EA	1	Gallon Microsorium scolopendrum - Wart Fern	6.92	
32 93 13 00-0143	EA	1	Gallon Mimosa strigillosa	10.95	
32 93 13 00-0144	EA	1	Gallon Muehlenbeckia axillaris - Wire Vine	15.33	
32 93 13 00-0145	EA	1	Gallon Nephrolepis - Swordfern/Boston Fern	8.21	
32 93 13 00-0146	EA	3	Gallon Nephrolepis - Swordfern/Boston Fern	21.90	
32 93 13 00-0147	EA	1	Gallon Nephrolepis cordifolia - Erect Swordfern	8.21	
32 93 13 00-0148	EA	3	Gallon Nephrolepis cordifolia - Erect Swordfern	27.38	
32 93 13 00-0149	EA	7	Gallon Nephrolepis cordifolia - Erect Swordfern	65.70	
32 93 13 00-0150	EA	1	Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	10.05	
32 93 13 00-0151	EA	3	Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	19.98	
32 93 13 00-0152	EA	1	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	9.58	
32 93 13 00-0153	EA	3	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	19.16	
32 93 13 00-0154	EA	4"	Ophiopogon intermedius - Aztec Grass	5.20	
32 93 13 00-0155	EA	1	Gallon Ophiopogon intermedius - Aztec Grass	8.21	
32 93 13 00-0156	EA	1	Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	8.21	
32 93 13 00-0157	EA	4-1/2"	Pentas lanceolata - Egyptian Star Cluster	3.56	
32 93 13 00-0158	EA	1	Gallon Pentas lanceolata - Egyptian Star Cluster	8.21	
32 93 13 00-0159	EA	3	Gallon Pentas lanceolata - Egyptian Star Cluster	27.38	
32 93 13 00-0160	EA	1	Gallon Persicaria capitatum - Jump Seed	14.24	
32 93 13 00-0161	EA	4-1/2"	Polyodium scolopenrium - Wart Fern	10.95	
32 93 13 00-0162	EA	6"	Polyodium scolopenrium - Wart Fern	13.69	
32 93 13 00-0163	EA	1	Gallon Polyodium scolopenrium - Wart Fern	13.69	
32 93 13 00-0164	EA	3	Gallon Polyodium scolopenrium - Wart Fern	32.85	
32 93 13 00-0165	EA		Bare Root Pontederia cordata - Pickerel Weed	1.26	
32 93 13 00-0166	EA	6"	Rhoeo spathacea discolor - Dwarf Oyster Plant	9.58	
32 93 13 00-0167	EA	1	Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	8.21	
32 93 13 00-0168	EA	1	Gallon Rubus calycinoides - Emerald Carpet	16.15	
32 93 13 00-0169	EA	1	Gallon Rumohra adiantiform - Leatherhead Fern	10.95	
32 93 13 00-0170	EA		Bare Root Sagittaria latifolia - Duck Potato	1.92	
32 93 13 00-0171	EA	1	Gallon Sesuvium portulacastrum - Sea Purslane	8.76	
32 93 13 00-0172	EA	4"	Setcreasea pallida - Purple Queen	2.46	
32 93 13 00-0173	EA	6"	Setcreasea pallida - Purple Queen	5.48	
32 93 13 00-0174	EA	1	Gallon Setcreasea pallida - Purple Queen	6.84	
32 93 13 00-0175	EA	1	Gallon Stachytarpheta - Porter Weed	8.21	
32 93 13 00-0176	EA	3	Gallon Stachytarpheta - Porter Weed	17.79	
32 93 13 00-0177	EA		Bare Root Thalia geniculata - Alligator Flag	1.92	
32 93 13 00-0178	EA	1	Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine	9.58	
32 93 13 00-0179	EA	5"	Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	6.30	
32 93 13 00-0180	EA	1	Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	10.68	
32 93 13 00-0181	EA	3	Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	41.06	
32 93 13 00-0182	EA	1	Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine	13.69	
32 93 13 00-0183	EA	4"	Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	6.30	
32 93 13 00-0184	EA	1	Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	8.21	
32 93 13 00-0185	EA	3	Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	41.06	
32 93 13 00-0186	EA	1	Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine	9.58	
32 93 13 00-0187	EA	1	Gallon Wedelia trilobata - Wedelia	5.42	
32 93 13 00-0188	EA	4"	Wedelia trilobata - Wedelia	4.11	
32 93 13 00-0189	EA		Viola floridana - Wild Violet	13.96	
32 93 13 00-0190	EA	4"	Viola hederacea - Australian Violet	8.10	
32 93 13 00-0191	EA	1	Gallon Viola hederacea - Australian Violet	14.24	
32 93 13 00-0192	EA	6"	Full Ajuga reptans - Carpet Bugleweed	12.32	
32 93 13 00-0193	EA	1	Gallon Ajuga reptans - Carpet Bugleweed	10.95	
32 93 13 00-0194	EA	2	Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	31.91	
32 93 13 00-0195	EA	1	Quart Waldsteinia ternata - Barren Strawberry	5.48	
32 93 13 00-0196	EA	1	Gallon Waldsteinia ternata - Barren Strawberry	13.15	
32 93 13 00-0197	EA	1	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	17.90	
32 93 13 00-0198	EA	2	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	33.98	
32 93 13 00-0199	EA	5	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	59.92	
32 93 13 00-0200	EA	1	Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	6.13	
32 93 13 00-0201	EA	1	Gallon Distictis buccinatoria - Blood Red Trumpet Vine	11.33	
32 93 13 00-0202	EA	5	Gallon Distictis buccinatoria - Blood Red Trumpet Vine	39.82	
32 93 13 00-0203	EA	1	Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	14.87	
32 93 13 00-0204	EA	4"	Pot Parthenocissus tricuspidata - Boston Ivy	7.31	
32 93 13 00-0205	EA	1	Gallon Parthenocissus tricuspidata - Boston Ivy	16.66	
32 93 13 00-0206	EA	5	Gallon Parthenocissus tricuspidata - Boston Ivy	45.59	
32 93 13 00-0207	EA	3	Gallon Bougainvillea spectabilis - Bougainvillea	19.16	
32 93 13 00-0208	EA	1	Quart Iberis sempervirens - Candytuft	5.48	

32 Exterior Improvements

32 90 Planting

32 93 Plants

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0209	EA	1 Gallon Iberis sempervirens - Candytuft.....	13.15	
32 93 13 00-0210	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	15.78	
32 93 13 00-0211	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	56.99	
32 93 13 00-0212	EA	3" Pot Ajuga reptans - Carpet Bugle	3.29	
32 93 13 00-0213	EA	1 Quart Ajuga reptans - Carpet Bugle.....	5.48	
32 93 13 00-0214	EA	1 Gallon Ajuga reptans - Carpet Bugle	13.15	
32 93 13 00-0215	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	56.63	
32 93 13 00-0216	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	13.15	
32 93 13 00-0217	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	56.99	
32 93 13 00-0218	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	17.17	
32 93 13 00-0219	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	38.00	
32 93 13 00-0220	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	56.99	
32 93 13 00-0221	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	18.88	
32 93 13 00-0222	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	34.91	
32 93 13 00-0223	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	23.75	
32 93 13 00-0224	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	44.57	
32 93 13 00-0225	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	73.07	
32 93 13 00-0226	EA	4" Pot Lantana camera - Common Lantana.....	3.29	
32 93 13 00-0227	EA	1 Gallon Lantana camera - Common Lantana	9.50	
32 93 13 00-0228	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	11.33	
32 93 13 00-0229	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	37.26	
32 93 13 00-0230	EA	2 Quart Lysimachia nummularia - Creeping Jenny	5.48	
32 93 13 00-0231	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....	10.60	
32 93 13 00-0232	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	9.50	
32 93 13 00-0233	EA	1 Gallon Liriope spicata - Creeping Lilytuft	17.17	
32 93 13 00-0234	EA	5 Gallon Liriope spicata - Creeping Lilytuft	36.17	
32 93 13 00-0235	EA	Bare Root Liriope spicata - Creeping Liriope	2.40	
32 93 13 00-0236	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	3.29	
32 93 13 00-0237	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	13.15	
32 93 13 00-0238	EA	2-1/4" Pot Securigera varia - Crown Vetch	2.19	
32 93 13 00-0239	EA	50 Plant Flat Securigera varia - Crown Vetch	74.16	
32 93 13 00-0240	EA	1 Quart Senecio cineraria - Dusty Miller	5.48	
32 93 13 00-0241	EA	1 Gallon Senecio cineraria - Dusty Miller.....	13.15	
32 93 13 00-0242	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	45.67	
32 93 13 00-0243	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	83.66	
32 93 13 00-0244	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	9.92	
32 93 13 00-0245	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	21.26	
32 93 13 00-0246	EA	3 Gallon Rhampholepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	21.26	
32 93 13 00-0247	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	7.09	
32 93 13 00-0248	EA	2" To 3" Pot Hedera helix - English Ivy	3.29	
32 93 13 00-0249	EA	12" To 15" Runners Hedera helix - English Ivy	5.48	
32 93 13 00-0250	EA	1 Gallon Hedera helix - English Ivy.....	13.15	
32 93 13 00-0251	EA	50 Plant Flat Hedera helix - English Ivy	75.99	
32 93 13 00-0252	EA	4" Pot Lavandula angustifolia - English Lavender.....	4.75	
32 93 13 00-0253	EA	1 Quart Lavandula angustifolia - English Lavender.....	9.13	
32 93 13 00-0254	EA	1 Gallon Lavandula angustifolia - English Lavender.....	14.98	
32 93 13 00-0255	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	14.25	
32 93 13 00-0256	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	28.50	
32 93 13 00-0257	EA	1 Quart Arundo donax - Giant Reed	17.54	
32 93 13 00-0258	EA	1 Gallon Arundo donax - Giant Reed.....	25.21	
32 93 13 00-0259	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	14.98	
32 93 13 00-0260	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	28.50	
32 93 13 00-0261	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	19.36	
32 93 13 00-0262	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	29.23	
32 93 13 00-0263	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	3.29	
32 93 13 00-0264	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	14.98	
32 93 13 00-0265	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	28.50	
32 93 13 00-0266	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	13.15	
32 93 13 00-0267	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	43.84	
32 93 13 00-0268	EA	3 Gallon Hibiscus, Assorted Colors.....	17.13	
32 93 13 00-0269	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	13.70	
32 93 13 00-0270	EA	1 Gallon Jasminum volubile - Wax Jasmine	6.90	
32 93 13 00-0271	EA	1 Gallon Jasminum volubile - Wax Jasmine	17.13	
32 93 13 00-0272	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	8.61	
32 93 13 00-0273	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	19.16	
32 93 13 00-0274	EA	1 Gallon Cissus antarctica - Kangaroo Vine	10.60	
32 93 13 00-0275	EA	5 Gallon Cissus antarctica - Kangaroo Vine	33.25	
32 93 13 00-0276	EA	1 Quart Stachys byzantina - Lamb's Ear.....	5.48	
32 93 13 00-0277	EA	1 Quart Stachys byzantina - Lamb's Ear.....	13.15	
32 93 13 00-0278	EA	1 Gallon Lantana spp. Various Colors	7.75	
32 93 13 00-0279	EA	1 Gallon Lantana sellowiana - Trailing Lantana	5.10	
32 93 13 00-0280	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	10.60	
32 93 13 00-0281	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	38.00	
32 93 13 00-0282	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	7.75	
32 93 13 00-0283	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	9.78	
32 93 13 00-0284	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	15.64	
32 93 13 00-0285	EA	1 Quart Moss Phlox, Creeping Phlox.....	5.48	
32 93 13 00-0286	EA	1 Gallon Moss Phlox, Creeping Phlox.....	13.15	
32 93 13 00-0287	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	6.90	
32 93 13 00-0288	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	3.29	
32 93 13 00-0289	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	13.15	
32 93 13 00-0290	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	30.32	
32 93 13 00-0291	EA	2' To 3' High Oregon Holly-Grape.....	15.18	
32 93 13 00-0292	EA	1 Gallon Pachysandra terminalis - Pachysandra	19.78	
32 93 13 00-0293	EA	2-1/4" Pot Vinca minor - Periwinkle.....	1.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 13 00-0294	EA	4"	Pot Vinca minor - Periwinkle.....	5.48	
32 93 13 00-0295	EA		Bare Root Vinca minor - Periwinkle	1.83	
32 93 13 00-0296	EA	1	Quart Nepeta mussinii - Persian Catmint	5.48	
32 93 13 00-0297	EA	1	Gallon Nepeta mussinii - Persian Catmint	11.33	
32 93 13 00-0298	EA	1	Gallon Coprosma kirkii - Prostrate Coprosma.....	9.13	
32 93 13 00-0299	EA	5	Gallon Coprosma kirkii - Prostrate Coprosma.....	33.25	
32 93 13 00-0300	EA	1	Gallon Juniperus Horizontalis - Prostrate Juniper.....	14.98	
32 93 13 00-0301	EA	3	Gallon Juniperus Horizontalis - Prostrate Juniper.....	32.15	
32 93 13 00-0302	EA	5	Gallon Juniperus Horizontalis - Prostrate Juniper.....	47.49	
32 93 13 00-0303	EA	1	Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.04	
32 93 13 00-0304	EA	1	Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	33.80	
32 93 13 00-0305	EA	24	Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	56.63	
32 93 13 00-0306	EA	1	Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	6.90	
32 93 13 00-0307	EA	1	Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	7.67	
32 93 13 00-0308	EA	1	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	13.70	
32 93 13 00-0309	EA	2	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	21.37	
32 93 13 00-0310	EA	1	Gallon Hymenocallis latifolia - Spider Lily	8.50	
32 93 13 00-0311	EA	3	Gallon Hymenocallis latifolia - Spider Lily	22.68	
32 93 13 00-0312	EA	1	Quart Hypericum perforatum - St. John's Wort	5.48	
32 93 13 00-0313	EA	1	Gallon Hypericum perforatum - St. John's Wort	13.15	
32 93 13 00-0314	EA	5	Gallon Hypericum perforatum - St. John's Wort	33.98	
32 93 13 00-0315	EA	24"	To 30" High Viburnum awabuki - Sweet Viburnum.....	46.24	
32 93 13 00-0316	EA	1	Gallon Campsis radicans - Trumpet Creeper.....	20.09	
32 93 13 00-0317	EA	2	Gallon Campsis radicans - Trumpet Creeper.....	30.32	
32 93 13 00-0318	EA	5	Gallon Campsis radicans - Trumpet Creeper.....	73.07	
32 93 13 00-0319	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle.....	1.83	
32 93 13 00-0320	EA	4"	Pot Vinca major - Variegated Greater Periwinkle	5.48	
32 93 13 00-0321	EA		Bare Root Vinca major - Variegated Greater Periwinkle	1.83	
32 93 13 00-0322	EA	1	Quart Carex hachijoensis - Variegated Japanese Sedge	9.86	
32 93 13 00-0323	EA	1	Gallon Carex hachijoensis - Variegated Japanese Sedge.....	13.70	
32 93 13 00-0324	EA	2	Gallon Carex hachijoensis - Variegated Japanese Sedge.....	21.37	
32 93 13 00-0325	EA	1	Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	14.98	
32 93 13 00-0326	EA	2	Quart Verbena peruviana "St. Paul" - St. Paul Verbena	6.94	
32 93 13 00-0327	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	10.60	
32 93 13 00-0328	EA	48	Plant Flat Vinca minor - Lesser Periwinkle.....	65.12	
32 93 13 00-0329	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper	3.29	
32 93 13 00-0330	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper.....	17.17	
32 93 13 00-0331	EA	1	Gallon Jasminum polyanthum - Winter Jasmine.....	13.15	
32 93 13 00-0332	EA	2	Gallon Jasminum polyanthum - Winter Jasmine.....	26.30	
32 93 13 00-0333	EA	5	Gallon Jasminum polyanthum - Winter Jasmine.....	45.67	
32 93 13 00-0334	EA	1	Gallon Cistaceae - Wrinkleleaf Rock Rose	10.60	
32 93 13 00-0335	EA	5	Gallon Cistaceae - Wrinkleleaf Rock Rose	36.17	

32 93 23 Plants and Bulbs (32 93)

See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies	10.59	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	14.98	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	24.84	
32 93 23 00-0005	EA	1	Quart Azure Penstemon	5.48	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon	13.70	
32 93 23 00-0007	EA	1	Quart Balloon Flower	5.48	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	13.70	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan.....	5.48	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan.....	13.70	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan.....	17.72	
32 93 23 00-0012	EA	1	Quart Blackberry Lily	5.48	
32 93 23 00-0013	EA	1	Gallon Blackberry Lily	13.70	
32 93 23 00-0014	EA	1	Quart Blank Flower	5.48	
32 93 23 00-0015	EA	1	Gallon Blank Flower.....	12.60	
32 93 23 00-0016	EA	2	Gallon Blank Flower.....	17.72	
32 93 23 00-0017	EA	1	Quart Blazing Star, Gayfeather.....	5.48	
32 93 23 00-0018	EA	1	Gallon Blazing Star, Gayfeather	13.70	
32 93 23 00-0019	EA	1	Quart Bloodred Geranium.....	9.32	
32 93 23 00-0020	EA	1	Gallon Bloodred Geranium	15.71	
32 93 23 00-0021	EA	1	Quart Blue Plumbago	5.48	
32 93 23 00-0022	EA	1	Gallon Blue Plumbago	13.70	
32 93 23 00-0023	EA	1	Quart Blue Star	9.86	
32 93 23 00-0024	EA	1	Gallon Blue Star.....	15.71	
32 93 23 00-0025	EA	1	Quart Cardinal Flower	5.48	
32 93 23 00-0026	EA	1	Gallon Cardinal Flower	13.70	
32 93 23 00-0027	EA	4"	Pot Columbine	3.29	
32 93 23 00-0028	EA	1	Quart Columbine.....	5.48	
32 93 23 00-0029	EA	1	Gallon Columbine	13.70	
32 93 23 00-0030	EA	1	Quart Common Globeflower	5.48	
32 93 23 00-0031	EA	1	Gallon Common Globeflower	13.70	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink	5.48	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink	13.70	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'	19.73	
32 93 23 00-0035	EA	1	Quart Diploid	6.94	
32 93 23 00-0036	EA	1	Gallon Diploid	15.71	
32 93 23 00-0037	EA	3	Gallon Diploid	27.04	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower.....	7.82	
32 93 23 00-0039	EA	1	Quart Evans Begonia.....	9.86	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0040	EA	1 Gallon Evans Begonia	17.72	
32 93 23 00-0041	EA	1 Quart False Dragonhead	5.48	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	13.70	
32 93 23 00-0043	EA	1 Quart False Spirea	5.48	
32 93 23 00-0044	EA	1 Gallon False Spirea	17.72	
32 93 23 00-0045	EA	3 Gallon False Spirea	24.48	
32 93 23 00-0046	EA	2 Quart False Sunflower	8.77	
32 93 23 00-0047	EA	1 Gallon False Sunflower	13.70	
32 93 23 00-0048	EA	2 Gallon False Sunflower	17.72	
32 93 23 00-0049	EA	1 Gallon Foxglove	12.60	
32 93 23 00-0050	EA	2 Gallon Foxglove	17.72	
32 93 23 00-0051	EA	3 Gallon Foxglove	25.57	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	22.19	
32 93 23 00-0053	EA	1 Quart Garden Phlox	5.48	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	13.70	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	11.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	23.57	
32 93 23 00-0057	EA	1 Quart Golden Star	5.48	
32 93 23 00-0058	EA	1 Gallon Golden Star	13.70	
32 93 23 00-0059	EA	1 Quart Goldenrod	5.48	
32 93 23 00-0060	EA	1 Gallon Goldenrod	13.70	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylilies	25.51	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	3.29	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	5.48	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	13.70	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	4.75	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	7.86	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	12.60	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	19.55	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	31.24	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	41.10	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	3.29	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	9.86	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	17.72	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	1.95	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	2.92	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	12.59	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	7.86	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	15.71	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	65.12	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	10.78	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	20.46	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	20.74	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	3.29	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	5.48	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	13.70	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	5.48	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	13.70	
32 93 23 00-0088	EA	2 Quart Plantain Lily	10.59	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	14.98	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	24.84	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	46.95	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	9.86	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	13.70	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	17.72	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	5.48	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	13.70	
32 93 23 00-0097	EA	1 Quart Rose Mallow	10.78	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	19.55	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	33.43	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	20.89	
32 93 23 00-0101	EA	1 Quart Siberian Iris	9.32	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	17.72	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	24.48	
32 93 23 00-0104	EA	1 Quart Speedwell	5.48	
32 93 23 00-0105	EA	1 Gallon Speedwell	13.70	
32 93 23 00-0106	EA	1 Quart Tetraploid	13.70	
32 93 23 00-0107	EA	1 Gallon Tetraploid	25.57	
32 93 23 00-0108	EA	3 Gallon Tetraploid	34.89	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	5.48	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	13.70	
32 93 23 00-0111	EA	1 Quart Torch Lily	5.48	
32 93 23 00-0112	EA	1 Quart Bluebeard	9.86	
32 93 23 00-0113	EA	1 Gallon Bluebeard	14.62	
32 93 23 00-0114	EA	2 Gallon Bluebeard	21.37	

32 93 23 00-0115**Annuals** (32 93 23)

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	2.54	
32 93 23 00-0117	EA	3" Pot Annual Flowers	3.44	
32 93 23 00-0118	EA	4" Pot Annual Flowers	7.35	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	9.78	
32 93 23 00-0120	EA	6" Pot Annual Flowers	19.36	
32 93 23 00-0121	EA	8" Pot Annual Flowers	32.26	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	42.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0123	EA		48 Plant Flat Annual Flowers.....	47.91	
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32 93 23 00-0124 **Bulbs** (32 93 23)

32 93 23 00-0125	EA		Top Size Allium giganteum - Giant Ornamental Onion.....	8.84	
32 93 23 00-0126	EA		Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.51	
32 93 23 00-0127	EA		Top Size Crocus Hybrid.....	0.58	
32 93 23 00-0128	EA		Top Size Eranthis hyemalis - Winter Aconite.....	0.75	
32 93 23 00-0129	EA		Top Size Galanthus nivalis - Snowdrops.....	0.95	
32 93 23 00-0130	EA		Top Size Iris reticulata cvs - Dutch Iris.....	0.37	
32 93 23 00-0131	EA		Top Size Muscari armeniacum - Grape Hyacinth.....	0.44	
32 93 23 00-0132	EA		Top Size Muscari latifolium - Grape Hyacinth.....	0.51	
32 93 23 00-0133	EA		Narcissus 'Carlton' - Carlton Daffodil DNI.....	3.06	
32 93 23 00-0134	EA		Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	1.46	
32 93 23 00-0135	EA		Narcissus 'February Gold' - February Gold Daffodil DNI.....	1.53	
32 93 23 00-0136	EA		Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	1.53	
32 93 23 00-0137	EA		Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	1.60	
32 93 23 00-0138	EA		Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	1.70	
32 93 23 00-0139	EA		Narcissus 'Pipit' - Pipit Daffodil DNI.....	1.60	
32 93 23 00-0140	EA		Narcissus 'Salome' - Salome Daffodil DNI.....	1.50	
32 93 23 00-0141	EA		Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	1.60	
32 93 23 00-0142	EA		Narcissus 'Thalia' - Thalia Daffodil DNI.....	1.60	
32 93 23 00-0143	EA		Top Size Scilla siberica - Siberian Squill.....	0.48	
32 93 23 00-0144	EA		Top Size Tulip 'Angelique' - Angelique Tulip.....	1.36	
32 93 23 00-0145	EA		Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	1.02	
32 93 23 00-0146	EA		Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	1.36	
32 93 23 00-0147	EA		Top Size Tulip 'Big Smile' - Big Smile Tulip.....	1.19	
32 93 23 00-0148	EA		Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	1.70	
32 93 23 00-0149	EA		Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	1.29	
32 93 23 00-0150	EA		Top Size Tulip 'Cardinal' - Cardinal Tulip.....	1.12	
32 93 23 00-0151	EA		Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	1.26	
32 93 23 00-0152	EA		Top Size Tulip clusiana - Species Tulip.....	1.26	
32 93 23 00-0153	EA		Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	1.26	
32 93 23 00-0154	EA		Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	1.02	
32 93 23 00-0155	EA		Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	0.99	
32 93 23 00-0156	EA		Top Size Tulip 'Halcro' - Halcro Tulip.....	1.02	
32 93 23 00-0157	EA		Top Size Tulip 'Ivory Floridale' - Ivory Floradale Tulip.....	1.70	
32 93 23 00-0158	EA		Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	1.02	
32 93 23 00-0159	EA		Top Size Tulip 'Passionale' - Passionale Tulip.....	1.36	
32 93 23 00-0160	EA		Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	1.46	
32 93 23 00-0161	EA		Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	1.53	
32 93 23 00-0162	EA		Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	1.22	
32 93 23 00-0163	EA		Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	1.16	
32 93 23 00-0164	EA		Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	1.26	
32 93 23 00-0165	EA		Top Size Tulip 'Princeps' - Princeps Tulip.....	1.26	
32 93 23 00-0166	EA		Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	0.99	
32 93 23 00-0167	EA		Top Size Tulip saxatilis - Species Tulip.....	0.68	
32 93 23 00-0168	EA		Top Size Tulip 'Shirley' - Shirley Tulip.....	1.02	
32 93 23 00-0169	EA		Top Size Tulip 'Spring Green' - Spring Green Tulip.....	1.33	
32 93 23 00-0170	EA		Top Size Tulip 'White Emperor' - White Emperor Tulip.....	1.02	

32 93 33 **Shrubs** (32 93)

See CSI section 32 93 83 00-0033 for installation and planting of shrubs.

32 93 33 00-0001 **Shrubs** (32 93 33)

32 93 33 00-0002	EA	1	Gallon Abelia x grandiflora - Abelia.....	9.97	
32 93 33 00-0003	EA	3	Gallon Abelia x grandiflora - Abelia.....	20.31	
32 93 33 00-0004	EA	5	Gallon Abelia x grandiflora - Abelia.....	38.99	
32 93 33 00-0005	EA	3	Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	116.47	
32 93 33 00-0006	EA	18"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	170.23	
32 93 33 00-0007	EA	24"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	189.94	
32 93 33 00-0008	EA	30"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	240.12	
32 93 33 00-0009	EA	36"	Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	267.00	
32 93 33 00-0010	EA	18"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	53.76	
32 93 33 00-0011	EA	24"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	71.68	
32 93 33 00-0012	EA	30"	Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye.....	89.60	
32 93 33 00-0013	EA	36"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	54.40	
32 93 33 00-0014	EA	42"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	64.00	
32 93 33 00-0015	EA	48"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	76.80	
32 93 33 00-0016	EA	60"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	89.60	
32 93 33 00-0017	EA	72"	Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry.....	108.80	
32 93 33 00-0018	EA	36"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	52.80	
32 93 33 00-0019	EA	42"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	56.00	
32 93 33 00-0020	EA	48"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	59.20	
32 93 33 00-0021	EA	60"	Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry.....	67.20	
32 93 33 00-0022	EA	36"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	53.60	
32 93 33 00-0023	EA	42"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	56.80	
32 93 33 00-0024	EA	48"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	60.00	
32 93 33 00-0025	EA	60"	Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry.....	63.20	
32 93 33 00-0026	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	11.00	
32 93 33 00-0027	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	25.44	
32 93 33 00-0028	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	12.89	
32 93 33 00-0029	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	28.36	
32 93 33 00-0030	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	38.33	
32 93 33 00-0031	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	13.75	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	20.11
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	57.41
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	72.88
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	102.10
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	61.36
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	78.55
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	100.38
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.50
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.49
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	39.70
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	15.64
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	44.17
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	61.36
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	94.71
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	17.88
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	47.95
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	51.05
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	65.66
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	87.49
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	131.32
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	182.36
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	51.05
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	65.66
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	87.49
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	131.32
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	33.60
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	56.00
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	147.20
32 93 33 00-0060	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	80.00
32 93 33 00-0061	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	108.80
32 93 33 00-0062	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	147.20
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	52.80
32 93 33 00-0064	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	48.00
32 93 33 00-0065	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	64.00
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	12.89
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	27.50
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	45.72
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	68.08
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	176.64
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	12.89
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	27.50
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	45.72
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	52.80
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	52.80
32 93 33 00-0076	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	44.80
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	52.80
32 93 33 00-0078	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	40.00
32 93 33 00-0079	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	44.80
32 93 33 00-0080	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	48.00
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	46.06
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	61.36
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	94.71
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	51.20
32 93 33 00-0085	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	55.20
32 93 33 00-0086	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	61.60
32 93 33 00-0087	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	64.80
32 93 33 00-0088	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	76.00
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	72.88
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	91.10
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	116.71
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	160.36
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	48.00
32 93 33 00-0094	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	33.60
32 93 33 00-0095	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	38.40
32 93 33 00-0096	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	48.00
32 93 33 00-0097	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	57.60
32 93 33 00-0098	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	48.00
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	52.80
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	52.80
32 93 33 00-0101	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	48.00
32 93 33 00-0102	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	56.00
32 93 33 00-0103	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.80
32 93 33 00-0104	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	73.60
32 93 33 00-0105	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	52.00
32 93 33 00-0106	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	58.40
32 93 33 00-0107	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	66.40
32 93 33 00-0108	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.60
32 93 33 00-0109	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.00
32 93 33 00-0110	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.20
32 93 33 00-0111	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	56.00
32 93 33 00-0112	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	62.40
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	49.60
32 93 33 00-0114	EA	30" Balled and Burlapped, Corylus americana - American Filbert	56.00
32 93 33 00-0115	EA	36" Balled and Burlapped, Corylus americana - American Filbert	60.00
32 93 33 00-0116	EA	48" Balled and Burlapped, Corylus americana - American Filbert	64.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0117	EA	24"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	160.00	
32 93 33 00-0118	EA	30"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	207.99	
32 93 33 00-0119	EA	36"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	223.99	
32 93 33 00-0120	EA	42"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	287.99	
32 93 33 00-0121	EA	48"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	351.99	
32 93 33 00-0122	EA	60"	Balled and Burlapped, Corylus avellana - Contorted Hazelnut.....	399.99	
32 93 33 00-0123	EA	5' To 6'	Cotinus coggygria - Smoke Tree.....	153.14	
32 93 33 00-0124	EA	6' To 8'	Cotinus coggygria - Smoke Tree.....	229.63	
32 93 33 00-0125	EA	8' To 10'	Cotinus coggygria - Smoke Tree.....	346.34	
32 93 33 00-0126	EA	5 Gallon	Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0127	EA	18"	Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0128	EA	24"	Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	41.60	
32 93 33 00-0129	EA	12" To 15"	Spread Cotoneaster adpressus - Creeping Cotoneaster.....	38.33	
32 93 33 00-0130	EA	3 Gallon	Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0131	EA	18"	Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	40.00	
32 93 33 00-0132	EA	24"	Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0133	EA	1 Gallon	Cotoneaster divaricatus - Spreading Cotoneaster.....	16.50	
32 93 33 00-0134	EA	2' To 3'	Cotoneaster divaricatus - Spreading Cotoneaster.....	51.05	
32 93 33 00-0135	EA	3' To 4'	Cotoneaster divaricatus - Spreading Cotoneaster.....	68.92	
32 93 33 00-0136	EA	4' To 5'	Cotoneaster divaricatus - Spreading Cotoneaster.....	116.71	
32 93 33 00-0137	EA	1 Gallon	Cotoneaster horizontalis - Rockspray Cotoneaster.....	16.50	
32 93 33 00-0138	EA	2 Gallon	Cotoneaster horizontalis - Rockspray Cotoneaster.....	32.49	
32 93 33 00-0139	EA	18"	Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	40.80	
32 93 33 00-0140	EA	24"	Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	44.80	
32 93 33 00-0141	EA	30"	Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	57.60	
32 93 33 00-0142	EA	36"	Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	67.20	
32 93 33 00-0143	EA	42"	Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	76.80	
32 93 33 00-0144	EA	24"	Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	64.00	
32 93 33 00-0145	EA	30"	Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	76.80	
32 93 33 00-0146	EA	36"	Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	89.60	
32 93 33 00-0147	EA	2 Gallon	Diervilla splendens - Splendens Bush Honeysuckle.....	24.00	
32 93 33 00-0148	EA	36"	Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	57.60	
32 93 33 00-0149	EA	48"	Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	76.80	
32 93 33 00-0150	EA	3' To 4'	Elaeagnus umbellata - Autumn Olive.....	47.78	
32 93 33 00-0151	EA	4' To 5'	Elaeagnus umbellata - Autumn Olive.....	65.66	
32 93 33 00-0152	EA	5' To 6'	Elaeagnus umbellata - Autumn Olive.....	78.55	
32 93 33 00-0153	EA	3' To 4'	Elaeagnus angustifolia - Russian Olive.....	76.49	
32 93 33 00-0154	EA	1 Gallon	Euonymus - Gold Spot.....	13.75	
32 93 33 00-0155	EA	2 Gallon	Euonymus - Gold Spot.....	28.88	
32 93 33 00-0156	EA	5 Gallon	Euonymus - Gold Spot.....	39.71	
32 93 33 00-0157	EA	1 Gallon	Euonymus alatus - Winged Euonymus.....	11.74	
32 93 33 00-0158	EA	3 Gallon	Euonymus alatus - Winged Euonymus.....	33.86	
32 93 33 00-0159	EA	24"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	45.63	
32 93 33 00-0160	EA	30"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	57.04	
32 93 33 00-0161	EA	36"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	78.38	
32 93 33 00-0162	EA	42"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	96.78	
32 93 33 00-0163	EA	48"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	114.08	
32 93 33 00-0164	EA	54"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	147.20	
32 93 33 00-0165	EA	5 Gallon	Euonymus alatus - Winged Euonymus.....	42.32	
32 93 33 00-0166	EA	60"	Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	184.00	
32 93 33 00-0167	EA	30"	Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	72.00	
32 93 33 00-0168	EA	36"	Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	85.60	
32 93 33 00-0169	EA	42"	Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	112.00	
32 93 33 00-0170	EA	48"	Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	134.40	
32 93 33 00-0171	EA	60"	Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	166.40	
32 93 33 00-0172	EA	18" To 24"	Euonymus alatus - Winged Burning Bush.....	51.05	
32 93 33 00-0173	EA	2' To 2-1/2'	Euonymus alatus - Winged Burning Bush.....	60.16	
32 93 33 00-0174	EA	2-1/2' To 3'	Euonymus alatus - Winged Burning Bush.....	82.16	
32 93 33 00-0175	EA	3' To 3-1/2'	Euonymus alatus - Winged Burning Bush.....	98.49	
32 93 33 00-0176	EA	3-1/2' To 4'	Euonymus alatus - Winged Burning Bush.....	123.92	
32 93 33 00-0177	EA	4' To 5'	Euonymus alatus - Winged Burning Bush.....	174.97	
32 93 33 00-0178	EA	5' To 6'	Euonymus alatus - Winged Burning Bush.....	218.80	
32 93 33 00-0179	EA	6' To 8'	Euonymus alatus - Winged Burning Bush.....	255.24	
32 93 33 00-0180	EA	15" To 18"	Euonymus alatus - Dwarf Winged Burning Bush.....	51.05	
32 93 33 00-0181	EA	18" To 24"	Euonymus alatus - Dwarf Winged Burning Bush.....	58.27	
32 93 33 00-0182	EA	2' To 2-1/2'	Euonymus alatus - Dwarf Winged Burning Bush.....	71.16	
32 93 33 00-0183	EA	2-1/2' To 3'	Euonymus alatus - Dwarf Winged Burning Bush.....	100.38	
32 93 33 00-0184	EA	3' To 3-1/2'	Euonymus alatus - Dwarf Winged Burning Bush.....	118.60	
32 93 33 00-0185	EA	3-1/2' To 4'	Euonymus alatus - Dwarf Winged Burning Bush.....	142.14	
32 93 33 00-0186	EA	4' To 5'	Euonymus alatus - Dwarf Winged Burning Bush.....	200.58	
32 93 33 00-0187	EA	5' To 6'	Euonymus alatus - Dwarf Winged Burning Bush.....	237.02	
32 93 33 00-0188	EA	36"	Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo.....	43.20	
32 93 33 00-0189	EA	1 Gallon	Euonymus fortunei - Wintercreeper.....	16.50	
32 93 33 00-0190	EA	2 Gallon	Euonymus fortunei - Wintercreeper.....	32.49	
32 93 33 00-0191	EA	3 Gallon	Euonymus fortunei - Wintercreeper.....	39.71	
32 93 33 00-0192	EA	5 Gallon	Euonymus fortunei - Wintercreeper.....	47.10	
32 93 33 00-0193	EA	2' To 3'	Forsythia - Korean Forsythia.....	36.44	
32 93 33 00-0194	EA	3' To 4'	Forsythia - Korean Forsythia.....	46.06	
32 93 33 00-0195	EA	4' To 5'	Forsythia - Korean Forsythia.....	57.41	
32 93 33 00-0196	EA	30"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	36.80	
32 93 33 00-0197	EA	36"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	40.80	
32 93 33 00-0198	EA	48"	Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	44.00	
32 93 33 00-0199	EA	18"	Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	38.40	
32 93 33 00-0200	EA	24"	Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	51.20	
32 93 33 00-0201	EA	24"	Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	38.40	

32 Exterior Improvements

32 90 Planting

32 93 Plants

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0202	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	44.80
32 93 33 00-0203	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	52.80
32 93 33 00-0204	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	60.80
32 93 33 00-0205	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	70.40
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	54.40
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	76.00
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	80.00
32 93 33 00-0209	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	83.20
32 93 33 00-0210	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	89.60
32 93 33 00-0211	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	108.80
32 93 33 00-0212	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	140.80
32 93 33 00-0213	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	160.00
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	11.86
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	31.11
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	39.71
32 93 33 00-0217	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	112.00
32 93 33 00-0218	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	182.40
32 93 33 00-0219	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	230.39
32 93 33 00-0220	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	351.99
32 93 33 00-0221	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	399.99
32 93 33 00-0222	EA	1 Gallon Hedychiium gartdnerum - Variegated Ginger.....	6.81
32 93 33 00-0223	EA	3 Gallon Hedychiium gartdnerum - Variegated Ginger.....	23.92
32 93 33 00-0224	EA	5 Gallon Hedychiium gartdnerum - Variegated Ginger.....	46.00
32 93 33 00-0225	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus.....	17.44
32 93 33 00-0226	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus.....	29.44
32 93 33 00-0227	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus.....	44.53
32 93 33 00-0228	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon.....	46.06
32 93 33 00-0229	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon.....	39.19
32 93 33 00-0230	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon.....	52.94
32 93 33 00-0231	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon.....	76.49
32 93 33 00-0232	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon.....	105.71
32 93 33 00-0233	EA	2 Gallon Hydrangea - Blue Hydrangea.....	32.49
32 93 33 00-0234	EA	5 Gallon Hydrangea - Blue Hydrangea.....	45.72
32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	51.05
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	58.27
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	32.49
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	56.00
32 93 33 00-0239	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	60.80
32 93 33 00-0240	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	70.40
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	73.60
32 93 33 00-0242	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	57.60
32 93 33 00-0243	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	76.80
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	33.60
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	40.00
32 93 33 00-0246	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	34.40
32 93 33 00-0247	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	36.80
32 93 33 00-0248	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	41.60
32 93 33 00-0249	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	48.00
32 93 33 00-0250	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	64.00
32 93 33 00-0251	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	46.40
32 93 33 00-0252	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	52.80
32 93 33 00-0253	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	62.40
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort.....	32.49
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort.....	38.40
32 93 33 00-0256	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort.....	41.60
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly.....	16.50
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly.....	32.49
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly.....	45.72
32 93 33 00-0260	EA	18" To 24" Ilex - Gulfside Sweet Holly.....	43.83
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly.....	55.52
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly.....	72.02
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly.....	87.49
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly.....	32.74
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	16.50
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	32.49
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	47.10
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly.....	16.50
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly.....	36.10
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly.....	47.10
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly.....	36.09
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly.....	43.49
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly.....	87.49
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly.....	116.71
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly.....	116.71
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly.....	193.19
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly.....	247.85
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly.....	298.90
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly.....	419.21
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly.....	583.36
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly.....	838.43
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly.....	1,276.03
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly.....	1,549.32
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly.....	1,913.88
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female).....	116.71
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female).....	153.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0287	EA	2'	To 3' Ilex verticillata - Winterberry (Male).....	94.71	
32 93 33 00-0288	EA	3'	To 4' Ilex verticillata - Winterberry (Male).....	131.32	
32 93 33 00-0289	EA	4'	To 5' Ilex verticillata - Winterberry (Male).....	153.14	
32 93 33 00-0290	EA	1	Gallon Ilex vomitoria - Yaupon Holly.....	15.47	
32 93 33 00-0291	EA	3	Gallon Ilex vomitoria - Yaupon Holly.....	31.11	
32 93 33 00-0292	EA	10	Gallon Ilex vomitoria - Yaupon Holly.....	109.32	
32 93 33 00-0293	EA	18"	Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	49.60	
32 93 33 00-0294	EA	24"	Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	56.00	
32 93 33 00-0295	EA	3	Gallon Ilex meserveae & cvs - Blue Holly.....	64.00	
32 93 33 00-0296	EA	18"	Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	59.20	
32 93 33 00-0297	EA	24"	Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	72.00	
32 93 33 00-0298	EA	5	Gallon Ilex verticillata & cvs - Common Winterberry.....	52.80	
32 93 33 00-0299	EA	24"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	52.80	
32 93 33 00-0300	EA	30"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	56.00	
32 93 33 00-0301	EA	36"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	67.20	
32 93 33 00-0302	EA	42"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	75.20	
32 93 33 00-0303	EA	48"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	80.00	
32 93 33 00-0304	EA	60"	Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	102.40	
32 93 33 00-0305	EA	4'	To 5' Ilex x attenuata "Foster" - Holly.....	189.58	
32 93 33 00-0306	EA	5'	To 6' Ilex x attenuata "Foster" - Holly.....	251.46	
32 93 33 00-0307	EA	6'	To 7' Ilex x attenuata "Foster" - Holly.....	224.99	
32 93 33 00-0308	EA	7'	To 8' Ilex x attenuata "Foster" - Holly.....	437.43	
32 93 33 00-0309	EA	1	Gallon Jasimnum - Jasmine.....	4.23	
32 93 33 00-0310	EA	3	Gallon Jasimnum - Jasmine.....	16.56	
32 93 33 00-0311	EA	3	Gallon Jasimnum - Orange Jasmine.....	12.88	
32 93 33 00-0312	EA	4'	' 5' Jasimnum - Orange Jasmine.....	147.20	
32 93 33 00-0313	EA	6'	' 7' Jasimnum - Orange Jasmine.....	294.39	
32 93 33 00-0314	EA	8'	' 10' Jasimnum - Orange Jasmine.....	397.43	
32 93 33 00-0315	EA	3	Gallon Juniperus chinensis cvs - Chinese Juniper.....	56.00	
32 93 33 00-0316	EA	5	Gallon Juniperus chinensis cvs - Chinese Juniper.....	62.40	
32 93 33 00-0317	EA	18"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	83.20	
32 93 33 00-0318	EA	24"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	108.80	
32 93 33 00-0319	EA	30"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	128.00	
32 93 33 00-0320	EA	36"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	172.80	
32 93 33 00-0321	EA	48"	Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	236.79	
32 93 33 00-0322	EA	1	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	26.68	
32 93 33 00-0323	EA	3	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	56.00	
32 93 33 00-0324	EA	5	Gallon Juniperus horizontalis cvs - Creeping Juniper.....	62.40	
32 93 33 00-0325	EA	15"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	67.20	
32 93 33 00-0326	EA	18"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	73.60	
32 93 33 00-0327	EA	24"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	89.60	
32 93 33 00-0328	EA	30"	Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	108.80	
32 93 33 00-0329	EA	3	Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	43.20	
32 93 33 00-0330	EA	18"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	51.20	
32 93 33 00-0331	EA	24"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	70.40	
32 93 33 00-0332	EA	30"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	89.60	
32 93 33 00-0333	EA	36"	Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	108.80	
32 93 33 00-0334	EA	3	Gallon Juniperus sabina cvs - Savin Juniper.....	40.00	
32 93 33 00-0335	EA	5	Gallon Juniperus sabina cvs - Savin Juniper.....	48.00	
32 93 33 00-0336	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	41.60	
32 93 33 00-0337	EA	36"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	80.00	
32 93 33 00-0338	EA	48"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	124.80	
32 93 33 00-0339	EA	60"	Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	156.80	
32 93 33 00-0340	EA	15'	To 18' Kalmia latifolia - Mountain Laurel.....	65.66	
32 93 33 00-0341	EA	18'	To 24' Kalmia latifolia - Mountain Laurel.....	87.49	
32 93 33 00-0342	EA	2'	To 3' Kalmia latifolia - Mountain Laurel.....	127.53	
32 93 33 00-0343	EA	4'	To 5' Kalmia latifolia - Mountain Laurel.....	233.24	
32 93 33 00-0344	EA	5'	To 6' Kalmia latifolia - Mountain Laurel.....	357.34	
32 93 33 00-0345	EA	6'	To 8' Kalmia latifolia - Mountain Laurel.....	546.92	
32 93 33 00-0346	EA	1	Gallon Kerria japonica - Kerria.....	14.61	
32 93 33 00-0347	EA	5	Gallon Kerria japonica - Kerria.....	45.72	
32 93 33 00-0348	EA	24"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	46.40	
32 93 33 00-0349	EA	30"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	52.80	
32 93 33 00-0350	EA	36"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	57.60	
32 93 33 00-0351	EA	42"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	67.20	
32 93 33 00-0352	EA	48"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	76.80	
32 93 33 00-0353	EA	60"	Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	96.00	
32 93 33 00-0354	EA	1	Gallon Lagerstroemia indica - Crape Myrtle.....	11.00	
32 93 33 00-0355	EA	5	Gallon Lagerstroemia indica - Crape Myrtle.....	39.19	
32 93 33 00-0356	EA	3'	To 4' Lagerstroemia indica - Crape Myrtle.....	54.66	
32 93 33 00-0357	EA	4'	To 5' Lagerstroemia indica - Crape Myrtle.....	80.27	
32 93 33 00-0358	EA	5'	To 6' Lagerstroemia indica - Crape Myrtle.....	127.53	
32 93 33 00-0359	EA	7'	To 8' Lagerstroemia indica - Crape Myrtle.....	165.60	
32 93 33 00-0360	EA	9'	To 10' Lagerstroemia indica - Crape Myrtle.....	220.79	
32 93 33 00-0361	EA	11'	To 12' Lagerstroemia indica - Crape Myrtle.....	459.99	
32 93 33 00-0362	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe.....	16.50	
32 93 33 00-0363	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe.....	36.10	
32 93 33 00-0364	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe.....	43.49	
32 93 33 00-0365	EA	1	Gallon Ligustrum lucidum - Glossy Privet.....	10.14	
32 93 33 00-0366	EA	5	Gallon Ligustrum lucidum - Glossy Privet.....	31.11	
32 93 33 00-0367	EA	15	Gallon Ligustrum lucidum - Glossy Privet.....	145.75	
32 93 33 00-0368	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet.....	10.14	
32 93 33 00-0369	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet.....	21.83	
32 93 33 00-0370	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet.....	28.36	
32 93 33 00-0371	EA	36"	Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet.....	48.00	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0372	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	70.40	
32 93 33 00-0373	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	89.60	
32 93 33 00-0374	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	102.40	
32 93 33 00-0375	EA	5 Gallon Linder benzoin - Spicebush	52.80	
32 93 33 00-0376	EA	36" Balled and Burlapped, Linder benzoin - Spicebush	44.80	
32 93 33 00-0377	EA	48" Balled and Burlapped, Linder benzoin - Spicebush	54.40	
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	87.49	
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	105.71	
32 93 33 00-0380	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	48.00	
32 93 33 00-0381	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.60	
32 93 33 00-0382	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	64.00	
32 93 33 00-0383	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	70.40	
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle	9.20	
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle	29.44	
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle	64.40	
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle	95.68	
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle	147.20	
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle	441.59	
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle	12.88	
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle	44.16	
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle	80.96	
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle	110.40	
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle	147.20	
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle	224.47	
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	48.00	
32 93 33 00-0397	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	78.40	
32 93 33 00-0398	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	115.20	
32 93 33 00-0399	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	137.60	
32 93 33 00-0400	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	144.00	
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo	16.50	
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo	36.10	
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo	54.66	
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	10.14	
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	27.50	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange	14.09	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange	45.72	
32 93 33 00-0408	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	48.00	
32 93 33 00-0409	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	56.00	
32 93 33 00-0410	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	64.00	
32 93 33 00-0411	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	48.00	
32 93 33 00-0412	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	56.00	
32 93 33 00-0413	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	64.00	
32 93 33 00-0414	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	80.00	
32 93 33 00-0415	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	96.00	
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda	44.17	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda	94.71	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda	57.41	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda	65.66	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda	82.16	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	116.71	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	138.54	
32 93 33 00-0423	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	44.80	
32 93 33 00-0424	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	57.34	
32 93 33 00-0425	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	68.99	
32 93 33 00-0426	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	88.70	
32 93 33 00-0427	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	106.62	
32 93 33 00-0428	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	155.90	
32 93 33 00-0429	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	96.76	
32 93 33 00-0430	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	116.47	
32 93 33 00-0431	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	155.00	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum	6.07	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum	15.64	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum	6.07	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum	15.64	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum	27.42	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	27.20	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	38.40	
32 93 33 00-0439	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	28.80	
32 93 33 00-0440	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	32.00	
32 93 33 00-0441	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	46.40	
32 93 33 00-0442	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	53.60	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	6.16	
32 93 33 00-0444	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	15.40	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	91.82	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	23.49	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	29.07	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	37.83	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond	20.98	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond	26.85	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond	42.83	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond	85.76	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond	25.80	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond	28.97	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond	33.69	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	22.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0457	EA	3'	To 4' Prunus virginiana - Brilliant Chokeberry	28.11	
32 93 33 00-0458	EA	4'	To 5' Prunus virginiana - Brilliant Chokeberry	33.69	
32 93 33 00-0459	EA	5'	To 6' Prunus virginiana - Brilliant Chokeberry	38.60	
32 93 33 00-0460	EA	1	Gallon Punica granatum - Dwarf Pomegranate	10.83	
32 93 33 00-0461	EA	3	Gallon Punica granatum - Dwarf Pomegranate	31.97	
32 93 33 00-0462	EA	7	Gallon Punica granatum - Dwarf Pomegranate	65.66	
32 93 33 00-0463	EA	1	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	13.75	
32 93 33 00-0464	EA	5	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	45.72	
32 93 33 00-0465	EA	5	Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	94.71	
32 93 33 00-0466	EA	1	Gallon Ralphialepis indica - Indian Hawthorne	11.00	
32 93 33 00-0467	EA	2	Gallon Ralphialepis indica - Indian Hawthorne	20.97	
32 93 33 00-0468	EA	5	Gallon Ralphialepis indica - Indian Hawthorne	37.30	
32 93 33 00-0469	EA	4'	To 5' Rhamnus frangula "Columnaris" - Tallhedge	83.88	
32 93 33 00-0470	EA	5'	To 6' Rhamnus frangula "Columnaris" - Tallhedge	114.99	
32 93 33 00-0471	EA	6'	To 8' Rhamnus frangula "Columnaris" - Tallhedge	149.53	
32 93 33 00-0472	EA	10'	To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	273.46	
32 93 33 00-0473	EA	1	Gallon Rhododendron - Azalea Evergreen Hybrids.....	17.88	
32 93 33 00-0474	EA	2	Gallon Rhododendron - Azalea Evergreen Hybrids.....	36.09	
32 93 33 00-0475	EA	3	Gallon Rhododendron - Azalea Evergreen Hybrids.....	47.10	
32 93 33 00-0476	EA	5	Gallon Rhododendron - Azalea Evergreen Hybrids.....	54.66	
32 93 33 00-0477	EA	15"	To 18" Rhododendron - Azalea Evergreen Hybrids.....	63.94	
32 93 33 00-0478	EA	18"	To 24" Rhododendron - Azalea Evergreen Hybrids.....	80.27	
32 93 33 00-0479	EA	2'	To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	116.71	
32 93 33 00-0480	EA	2-1/2'	To 3' Rhododendron - Azalea Evergreen Hybrids.....	163.97	
32 93 33 00-0481	EA	1	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	20.11	
32 93 33 00-0482	EA	2	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	36.09	
32 93 33 00-0483	EA	15'	To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	62.05	
32 93 33 00-0484	EA	18"	To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	80.27	
32 93 33 00-0485	EA	2'	To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	116.71	
32 93 33 00-0486	EA	3'	To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	171.36	
32 93 33 00-0487	EA	4'	To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	229.63	
32 93 33 00-0488	EA	5	Gallon Rhododendron - Boxleaf Azara	45.72	
32 93 33 00-0489	EA	15	Gallon Rhododendron - Boxleaf Azara	163.97	
32 93 33 00-0490	EA	15"	To 18" Rhododendron - Carolina Rhododendron	51.74	
32 93 33 00-0491	EA	18"	To 24" Rhododendron - Carolina Rhododendron	91.10	
32 93 33 00-0492	EA	24"	To 30" Rhododendron - Carolina Rhododendron	134.93	
32 93 33 00-0493	EA	2'	To 3' Rhododendron - Five-leafed Azalea.....	61.36	
32 93 33 00-0494	EA	3'	To 4' Rhododendron - Five-leafed Azalea.....	80.27	
32 93 33 00-0495	EA	4'	To 5' Rhododendron - Five-leafed Azalea.....	105.71	
32 93 33 00-0496	EA	15"	To 18" Rhododendron - Ghent Azalea.....	61.36	
32 93 33 00-0497	EA	18"	To 24" Rhododendron - Ghent Azalea.....	76.49	
32 93 33 00-0498	EA	2'	To 3' Rhododendron - Ghent Azalea.....	123.92	
32 93 33 00-0499	EA	3'	To 4' Rhododendron - Ghent Azalea.....	171.36	
32 93 33 00-0500	EA	4'	To 5' Rhododendron - Ghent Azalea.....	229.63	
32 93 33 00-0501	EA	5'	To 6' Rhododendron - Ghent Azalea.....	306.29	
32 93 33 00-0502	EA	1	Gallon Rhododendron - Hybrid Rhododendron.....	20.11	
32 93 33 00-0503	EA	2	Gallon Rhododendron - Hybrid Rhododendron.....	43.49	
32 93 33 00-0504	EA	3	Gallon Rhododendron - Hybrid Rhododendron.....	61.70	
32 93 33 00-0505	EA	5	Gallon Rhododendron - Hybrid Rhododendron.....	68.92	
32 93 33 00-0506	EA	15"	To 18" Rhododendron - Hybrid Rhododendron	58.27	
32 93 33 00-0507	EA	18"	To 24" Rhododendron - Hybrid Rhododendron	80.27	
32 93 33 00-0508	EA	24"	To 30" Rhododendron - Hybrid Rhododendron	109.32	
32 93 33 00-0509	EA	30"	To 36" Rhododendron - Hybrid Rhododendron	127.53	
32 93 33 00-0510	EA	36"	To 42" Rhododendron - Hybrid Rhododendron	182.36	
32 93 33 00-0511	EA	42"	To 48" Rhododendron - Hybrid Rhododendron	226.02	
32 93 33 00-0512	EA	15"	To 18" Rhododendron - Pjm Rhododendron	65.66	
32 93 33 00-0513	EA	18"	To 24" Rhododendron - Pjm Rhododendron	80.27	
32 93 33 00-0514	EA	2'	To 2-1/2' Rhododendron - Pjm Rhododendron	116.71	
32 93 33 00-0515	EA	2-1/2'	To 3' Rhododendron - Pjm Rhododendron	149.53	
32 93 33 00-0516	EA	3'	To 3-1/2' Rhododendron - Pjm Rhododendron	182.36	
32 93 33 00-0517	EA	12"	To 15" Rhododendron - Torch Azalea	51.05	
32 93 33 00-0518	EA	15"	To 18" Rhododendron - Torch Azalea	61.36	
32 93 33 00-0519	EA	18"	To 24" Rhododendron - Torch Azalea	76.49	
32 93 33 00-0520	EA	2'	To 3' Rhododendron - Torch Azalea	127.53	
32 93 33 00-0521	EA	3	Gallon Rhododendron cvs - Lepidote Rhododendron.....	57.60	
32 93 33 00-0522	EA	5	Gallon Rhododendron cvs - Lepidote Rhododendron.....	70.40	
32 93 33 00-0523	EA	18"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	86.40	
32 93 33 00-0524	EA	24"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	108.80	
32 93 33 00-0525	EA	30"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	128.00	
32 93 33 00-0526	EA	36"	Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron.....	153.60	
32 93 33 00-0527	EA	1	Gallon Rhus glabra - Dwarf Smooth Sumac.....	16.50	
32 93 33 00-0528	EA	5	Gallon Rhus glabra - Dwarf Smooth Sumac.....	45.72	
32 93 33 00-0529	EA	2	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	38.40	
32 93 33 00-0530	EA	5	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	52.80	
32 93 33 00-0531	EA	18"	Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	60.80	
32 93 33 00-0532	EA	24"	Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac.....	80.00	
32 93 33 00-0533	EA	36"	Balled and Burlapped, Rhus glabra - Smooth Sumac	48.00	
32 93 33 00-0534	EA	48"	Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	80.00	
32 93 33 00-0535	EA	72"	Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac.....	128.00	
32 93 33 00-0536	EA	15"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	43.20	
32 93 33 00-0537	EA	18"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	49.60	
32 93 33 00-0538	EA	24"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	72.00	
32 93 33 00-0539	EA	30"	Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant.....	96.00	
32 93 33 00-0540	EA	1	Gallon Rosa hybrids & cvs - Shrub Rose.....	26.40	
32 93 33 00-0541	EA	2	Gallon Rosa hybrids & cvs - Shrub Rose.....	32.00	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	40.00	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	28.80	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	36.80	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder.....	52.80	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	23.72	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	34.72	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	12.89	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	33.69	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia.....	16.50	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia.....	32.83	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia.....	52.94	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spiraea.....	76.49	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spiraea.....	116.71	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spiraea.....	45.72	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spiraea.....	37.47	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spiraea.....	52.94	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spiraea.....	61.36	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spiraea.....	105.71	
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	16.50	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	32.49	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	37.60	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	40.80	
32 93 33 00-0564	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	41.60	
32 93 33 00-0565	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	48.00	
32 93 33 00-0566	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	54.40	
32 93 33 00-0567	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spiraea.....	63.20	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	25.60	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	38.40	
32 93 33 00-0570	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	35.20	
32 93 33 00-0571	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	41.60	
32 93 33 00-0572	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	48.00	
32 93 33 00-0573	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	54.40	
32 93 33 00-0574	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea.....	70.40	
32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	16.50	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	29.60	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	38.40	
32 93 33 00-0578	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea.....	33.60	
32 93 33 00-0579	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea.....	40.80	
32 93 33 00-0580	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea.....	48.00	
32 93 33 00-0581	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spiraea.....	54.40	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	38.40	
32 93 33 00-0583	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	38.40	
32 93 33 00-0584	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	44.80	
32 93 33 00-0585	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	60.80	
32 93 33 00-0586	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	70.40	
32 93 33 00-0587	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spiraea.....	83.20	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut.....	54.01	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	38.40	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra.....	41.60	
32 93 33 00-0591	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	48.00	
32 93 33 00-0592	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra.....	57.60	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry.....	40.00	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry.....	42.40	
32 93 33 00-0595	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	70.40	
32 93 33 00-0596	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	88.00	
32 93 33 00-0597	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	102.40	
32 93 33 00-0598	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac.....	118.40	
32 93 33 00-0599	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	70.40	
32 93 33 00-0600	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	76.80	
32 93 33 00-0601	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	88.00	
32 93 33 00-0602	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	102.40	
32 93 33 00-0603	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac.....	118.40	
32 93 33 00-0604	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac.....	56.00	
32 93 33 00-0605	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac.....	60.80	
32 93 33 00-0606	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	48.00	
32 93 33 00-0607	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	54.40	
32 93 33 00-0608	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	60.80	
32 93 33 00-0609	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	70.40	
32 93 33 00-0610	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac.....	86.40	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac.....	40.00	
32 93 33 00-0612	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	46.40	
32 93 33 00-0613	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	60.80	
32 93 33 00-0614	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	254.39	
32 93 33 00-0615	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	284.79	
32 93 33 00-0616	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	313.59	
32 93 33 00-0617	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew.....	377.59	
32 93 33 00-0618	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	67.20	
32 93 33 00-0619	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	88.00	
32 93 33 00-0620	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	102.40	
32 93 33 00-0621	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	112.00	
32 93 33 00-0622	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew.....	67.20	
32 93 33 00-0623	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew.....	88.00	
32 93 33 00-0624	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew.....	104.00	
32 93 33 00-0625	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew.....	123.20	
32 93 33 00-0626	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew.....	185.60	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 93 33 00-0627	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	102.40		
32 93 33 00-0628	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	137.60		
32 93 33 00-0629	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	207.99		
32 93 33 00-0630	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	303.99		
32 93 33 00-0631	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	348.79		
32 93 33 00-0632	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	404.79		
32 93 33 00-0633	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	44.80		
32 93 33 00-0634	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	62.40		
32 93 33 00-0635	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	88.00		
32 93 33 00-0636	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	76.49		
32 93 33 00-0637	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	116.71		
32 93 33 00-0638	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	153.15		
32 93 33 00-0639	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	9.28		
32 93 33 00-0640	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	25.44		
32 93 33 00-0641	EA	5 Gallon Viburnum plicatum - Japanese Snowball	45.72		
32 93 33 00-0642	EA	5' To 6' Viburnum plicatum - Japanese Snowball	171.37		
32 93 33 00-0643	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	80.27		
32 93 33 00-0644	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	94.71		
32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	133.21		
32 93 33 00-0646	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	88.00		
32 93 33 00-0647	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	105.60		
32 93 33 00-0648	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	80.00		
32 93 33 00-0649	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	96.00		
32 93 33 00-0650	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	112.00		
32 93 33 00-0651	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	128.00		
32 93 33 00-0652	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	44.80		
32 93 33 00-0653	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	48.00		
32 93 33 00-0654	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	56.00		
32 93 33 00-0655	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	64.00		
32 93 33 00-0656	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	70.40		
32 93 33 00-0657	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	43.20		
32 93 33 00-0658	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	48.00		
32 93 33 00-0659	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	60.80		
32 93 33 00-0660	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	70.40		
32 93 33 00-0661	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	96.00		
32 93 33 00-0662	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	115.20		
32 93 33 00-0663	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	48.00		
32 93 33 00-0664	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	64.00		
32 93 33 00-0665	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	80.00		
32 93 33 00-0666	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	112.00		
32 93 33 00-0667	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	160.00		
32 93 33 00-0668	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	223.99		
32 93 33 00-0669	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	287.99		
32 93 33 00-0670	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	57.60		
32 93 33 00-0671	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	64.00		
32 93 33 00-0672	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	115.20		
32 93 33 00-0673	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	176.00		
32 93 33 00-0674	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	223.99		
32 93 33 00-0675	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	271.99		
32 93 33 00-0676	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	335.99		
32 93 33 00-0677	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	399.99		
32 93 33 00-0678	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	479.99		
32 93 33 00-0679	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	559.98		
32 93 33 00-0680	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	48.80		
32 93 33 00-0681	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	53.60		
32 93 33 00-0682	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	60.80		
32 93 33 00-0683	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	70.40		
32 93 33 00-0684	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	80.80		
32 93 33 00-0685	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	46.40		
32 93 33 00-0686	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	56.00		
32 93 33 00-0687	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.20		
32 93 33 00-0688	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	76.80		
32 93 33 00-0689	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	92.80		
32 93 33 00-0690	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	102.40		
32 93 33 00-0691	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	80.00		
32 93 33 00-0692	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	96.00		
32 93 33 00-0693	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.00		
32 93 33 00-0694	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	128.00		
32 93 33 00-0695	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	144.00		
32 93 33 00-0696	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	102.40		
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	115.20		
32 93 33 00-0698	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	131.20		
32 93 33 00-0699	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	150.40		
32 93 33 00-0700	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	94.71		
32 93 33 00-0701	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	116.71		
32 93 33 00-0702	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	171.36		
32 93 33 00-0703	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	52.80		
32 93 33 00-0704	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	48.00		
32 93 33 00-0705	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	54.40		
32 93 33 00-0706	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	60.80		
32 93 33 00-0707	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	70.40		
32 93 33 00-0708	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	80.00		
32 93 33 00-0709	EA	1 Gallon Xylosma congestum - Shiny Xylosma	11.00		
32 93 33 00-0710	EA	5 Gallon Xylosma congestum - Shiny Xylosma	31.11		
32 93 33 00-0711	EA	15 Gallon Xylosma congestum - Shiny Xylosma	136.82		

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	9.28	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	24.58	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle	12.89	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle	25.09	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle	39.71	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	44.17	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	36.44	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	46.06	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	57.41	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	68.92	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	94.71	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	93.84	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	128.80	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	202.39	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	235.51	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	309.11	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	18.40	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.76	
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	62.37	
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	18.40	
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	25.76	

32 93 43 Trees (32 93)

See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001**Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	294.20	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	359.58	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	408.61	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	473.99	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	539.36	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	637.43	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	238.78	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,046.04	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,307.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	261.51	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	653.77	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	849.91	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	980.66	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	1,111.42	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,307.55	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	128.00	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	160.00	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	198.39	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	160.00	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	191.99	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	223.99	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	255.99	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	287.99	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	319.99	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	367.99	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	415.99	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	479.99	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	326.89	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	457.64	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	490.33	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	572.05	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	408.61	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	490.33	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	572.05	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	653.77	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	735.50	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	817.22	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	367.99	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	431.99	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	495.99	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	543.99	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	128.00	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	271.99	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	351.99	
32 93 43 00-0046	EA	2' To 4' Amelechier - Juneberry	38.96	
32 93 43 00-0047	EA	4' To 5' Amelechier - Juneberry	40.87	
32 93 43 00-0048	EA	5' To 6' Amelechier - Juneberry	48.66	
32 93 43 00-0049	EA	6' To 8' Amelechier - Juneberry	58.06	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	228.82	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	261.51	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	359.58	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	490.33	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	572.05	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	735.50	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	294.20	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	359.58	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	490.33	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
32 93 43 00-0059	EA 8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		572.05		
32 93 43 00-0060	EA 10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		686.46		
32 93 43 00-0061	EA 12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		833.56		
32 93 43 00-0062	EA 14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		947.97		
32 93 43 00-0063	EA 6' Cercis - American Redbud		183.07		
32 93 43 00-0064	EA 8' Cercis - American Redbud		251.87		
32 93 43 00-0065	EA 2-1/2" Caliper Cercis - American Redbud		518.77		
32 93 43 00-0066	EA 3" Caliper Cercis - American Redbud		631.55		
32 93 43 00-0067	EA 15 Gallon Cercis canadensis & cvs - Eastern Redbud		159.79		
32 93 43 00-0068	EA 20 Gallon Cercis canadensis & cvs - Eastern Redbud		199.74		
32 93 43 00-0069	EA 6' Clump Form Cercis canadensis & cvs - Eastern Redbud		392.26		
32 93 43 00-0070	EA 7' Clump Form Cercis canadensis & cvs - Eastern Redbud		539.36		
32 93 43 00-0071	EA 8' Clump Form Cercis canadensis & cvs - Eastern Redbud		686.46		
32 93 43 00-0072	EA 1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud		375.92		
32 93 43 00-0073	EA 2" Caliper Cercis canadensis & cvs - Eastern Redbud		441.30		
32 93 43 00-0074	EA 5' To 6' Chaenomeles - Orange Quince		103.25		
32 93 43 00-0075	EA 6' To 8' Chaenomeles - Orange Quince		129.06		
32 93 43 00-0076	EA 5' Clump Form Chionanthus virginicus - White Fringetree		326.89		
32 93 43 00-0077	EA 6' Clump Form Chionanthus virginicus - White Fringetree		408.61		
32 93 43 00-0078	EA 7' Clump Form Chionanthus virginicus - White Fringetree		523.02		
32 93 43 00-0079	EA 4' To 5' Cornus - Pink Or Red Flowering Dogwood		118.00		
32 93 43 00-0080	EA 5' To 6' Cornus - Pink Or Red Flowering Dogwood		147.50		
32 93 43 00-0081	EA 6' To 7' Cornus - Pink Or Red Flowering Dogwood		206.50		
32 93 43 00-0082	EA 7' To 8' Cornus - Pink Or Red Flowering Dogwood		265.50		
32 93 43 00-0083	EA 4' To 5' Cornus - White Flowering Dogwood		78.66		
32 93 43 00-0084	EA 5' To 6' Cornus - White Flowering Dogwood		118.00		
32 93 43 00-0085	EA 6' To 7' Cornus - White Flowering Dogwood		165.20		
32 93 43 00-0086	EA 3' To 4' Cornus kousa - Japanese Dogwood		78.67		
32 93 43 00-0087	EA 4' To 5' Cornus kousa - Japanese Dogwood		90.47		
32 93 43 00-0088	EA 5' To 6' Cornus kousa - Japanese Dogwood		118.00		
32 93 43 00-0089	EA 6' To 8' Cornus kousa - Japanese Dogwood		173.06		
32 93 43 00-0090	EA 8' To 10' Cornus kousa - Japanese Dogwood		236.00		
32 93 43 00-0091	EA 1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood		375.92		
32 93 43 00-0092	EA 2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood		457.64		
32 93 43 00-0093	EA 4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		179.79		
32 93 43 00-0094	EA 5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		228.82		
32 93 43 00-0095	EA 6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		261.51		
32 93 43 00-0096	EA 7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		294.20		
32 93 43 00-0097	EA 8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		359.58		
32 93 43 00-0098	EA 4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		179.79		
32 93 43 00-0099	EA 5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		228.82		
32 93 43 00-0100	EA 6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		277.85		
32 93 43 00-0101	EA 7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		326.89		
32 93 43 00-0102	EA 8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		457.64		
32 93 43 00-0103	EA 1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		408.61		
32 93 43 00-0104	EA 2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		490.33		
32 93 43 00-0105	EA 2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		572.05		
32 93 43 00-0106	EA 1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		326.89		
32 93 43 00-0107	EA 2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		408.61		
32 93 43 00-0108	EA 2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		506.67		
32 93 43 00-0109	EA 3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		572.05		
32 93 43 00-0110	EA 3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		653.77		
32 93 43 00-0111	EA 4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		735.50		
32 93 43 00-0112	EA 6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		326.89		
32 93 43 00-0113	EA 7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		392.26		
32 93 43 00-0114	EA 8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		457.64		
32 93 43 00-0115	EA 10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		572.05		
32 93 43 00-0116	EA 12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		735.50		
32 93 43 00-0117	EA 1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		261.51		
32 93 43 00-0118	EA 2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		294.20		
32 93 43 00-0119	EA 2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		326.89		
32 93 43 00-0120	EA 3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		375.92		
32 93 43 00-0121	EA 3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		490.33		
32 93 43 00-0122	EA 4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		555.71		
32 93 43 00-0123	EA 6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		228.82		
32 93 43 00-0124	EA 7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		277.85		
32 93 43 00-0125	EA 8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		326.89		
32 93 43 00-0126	EA 10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		408.61		
32 93 43 00-0127	EA 12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		506.67		
32 93 43 00-0128	EA 14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		604.74		
32 93 43 00-0129	EA 16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		702.81		
32 93 43 00-0130	EA 1-1/2" Caliper Crataegus viridis - Winter King Hawthorn		261.51		
32 93 43 00-0131	EA 2" Caliper Crataegus viridis - Winter King Hawthorn		294.20		
32 93 43 00-0132	EA 2-1/2" Caliper Crataegus viridis - Winter King Hawthorn		408.61		
32 93 43 00-0133	EA 3" Caliper Crataegus viridis - Winter King Hawthorn		539.36		
32 93 43 00-0134	EA 6' Clump Form Crataegus viridis - Winter King Hawthorn		245.17		
32 93 43 00-0135	EA 7' Clump Form Crataegus viridis - Winter King Hawthorn		326.89		
32 93 43 00-0136	EA 8' Clump Form Crataegus viridis - Winter King Hawthorn		408.61		
32 93 43 00-0137	EA 10' Clump Form Crataegus viridis - Winter King Hawthorn		490.33		
32 93 43 00-0138	EA 4' Clump Form Hamamelis virginiana - Common Witchhazel		163.44		
32 93 43 00-0139	EA 5' Clump Form Hamamelis virginiana - Common Witchhazel		212.48		
32 93 43 00-0140	EA 6' Clump Form Hamamelis virginiana - Common Witchhazel		261.51		
32 93 43 00-0141	EA 7' Clump Form Hamamelis virginiana - Common Witchhazel		359.58		
32 93 43 00-0142	EA 8' Clump Form Hamamelis virginiana - Common Witchhazel		490.33		
32 93 43 00-0143	EA 1 Gallon Ilex Cassine - Casine Holly (Dahoon)		9.40		

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon).....	30.07	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon).....	51.69	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon).....	98.68	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon).....	131.57	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon).....	169.16	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	61.95	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	92.92	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	116.16	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	144.67	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	245.17	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	326.89	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	424.95	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	473.99	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	637.43	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	572.05	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	245.17	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	326.89	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	424.95	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	473.99	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	572.05	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	637.43	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	245.17	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	326.89	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	424.95	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	473.99	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	572.05	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	637.43	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	245.17	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	326.89	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	424.95	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	473.99	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	572.05	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	637.43	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	245.17	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	326.89	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	424.95	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	473.99	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	572.05	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	637.43	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple.....	66.37	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple.....	169.26	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple.....	199.12	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties.....	196.13	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties.....	261.51	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties.....	326.89	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties.....	392.26	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties.....	457.64	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties.....	523.02	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties.....	294.20	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties.....	326.89	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties.....	408.61	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties.....	457.64	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties.....	588.40	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars.....	326.89	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars.....	408.61	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	245.17	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	310.54	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	375.92	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	424.95	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	473.99	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple.....	523.02	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood.....	149.96	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood.....	187.45	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood.....	224.93	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood.....	262.42	
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry.....	229.85	
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry.....	237.60	
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	296.96	
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry.....	619.74	
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	477.65	
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry.....	929.60	
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum.....	93.98	
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum.....	319.53	
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum.....	405.99	
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum.....	639.06	
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	59.37	
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	162.62	
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	211.78	
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	67.11	
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	129.06	
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	237.60	
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum.....	284.05	
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry.....	185.97	
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	154.87	
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry.....	227.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0229	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	271.15	
32 93 43 00-0230	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry.....	348.59	
32 93 43 00-0231	EA	6"	To 8' Prunus yedoensis - Yoshino Cherry.....	134.35	
32 93 43 00-0232	EA	1-1/2"	To 2" Caliper Prunus yedoensis - Yoshino Cherry.....	206.62	
32 93 43 00-0233	EA	2"	To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry.....	252.96	
32 93 43 00-0234	EA	2-1/2"	To 3" Caliper Prunus yedoensis - Yoshino Cherry.....	322.77	
32 93 43 00-0235	EA	15 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	179.46	
32 93 43 00-0236	EA	20 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	224.32	
32 93 43 00-0237	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	233.29	
32 93 43 00-0238	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	278.15	
32 93 43 00-0239	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	376.86	
32 93 43 00-0240	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	493.50	
32 93 43 00-0241	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear.....	628.09	
32 93 43 00-0242	EA	15 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear.....	179.46	
32 93 43 00-0243	EA	20 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear.....	224.32	
32 93 43 00-0244	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	152.54	
32 93 43 00-0245	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	233.29	
32 93 43 00-0246	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	277.91	
32 93 43 00-0247	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	376.86	
32 93 43 00-0248	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear.....	493.50	
32 93 43 00-0249	EA	1-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	326.89	
32 93 43 00-0250	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	408.61	
32 93 43 00-0251	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	506.67	
32 93 43 00-0252	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear.....	572.05	
32 93 43 00-0253	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear.....	637.43	
32 93 43 00-0254	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear.....	817.22	
32 93 43 00-0255	EA	1-3/4"	Caliper Sophora japonica - Japanese Pagoda.....	437.03	
32 93 43 00-0256	EA	2"	Caliper Sophora japonica - Japanese Pagoda.....	491.66	
32 93 43 00-0257	EA	2-1/2"	Caliper Sophora japonica - Japanese Pagoda.....	573.60	
32 93 43 00-0258	EA	3"	Caliper Sophora japonica - Japanese Pagoda.....	838.94	
32 93 43 00-0259	EA	3-1/2"	Caliper Sophora japonica - Japanese Pagoda.....	1,268.17	
32 93 43 00-0260	EA	1-1/2"	Caliper Sorbus alnifolia - Korean Mountainash.....	326.89	
32 93 43 00-0261	EA	2"	Caliper Sorbus alnifolia - Korean Mountainash.....	408.61	
32 93 43 00-0262	EA	2-1/2"	Caliper Sorbus alnifolia - Korean Mountainash.....	506.67	
32 93 43 00-0263	EA	3"	Caliper Sorbus alnifolia - Korean Mountainash.....	621.09	
32 93 43 00-0264	EA	3-1/2"	Caliper Sorbus alnifolia - Korean Mountainash.....	751.84	
32 93 43 00-0265	EA	4"	Caliper Sorbus alnifolia - Korean Mountainash.....	898.94	
32 93 43 00-0266	EA	1-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	424.95	
32 93 43 00-0267	EA	2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	457.64	
32 93 43 00-0268	EA	2-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	555.71	
32 93 43 00-0269	EA	4'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	261.51	
32 93 43 00-0270	EA	5'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	310.54	
32 93 43 00-0271	EA	6'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	359.58	
32 93 43 00-0272	EA	7'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	408.61	
32 93 43 00-0273	EA	8'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	473.99	
32 93 43 00-0274	EA	10'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	604.74	
32 93 43 00-0275	EA	12'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	686.46	
32 93 43 00-0276	EA	14'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	784.53	

32 93 43 00-0277

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2"	To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	204.30	
32 93 43 00-0279	EA	4"	To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	250.44	
32 93 43 00-0280	EA	4-1/2"	To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	326.22	
32 93 43 00-0281	EA	5"	To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	422.88	
32 93 43 00-0282	EA	2"	To 2-1/2" Acer palmatum - Japanese Maple.....	21.55	
32 93 43 00-0283	EA	4"	To 5' Acer palmatum - Japanese Maple.....	45.25	
32 93 43 00-0284	EA	5"	To 6' Acer palmatum - Japanese Maple.....	59.26	
32 93 43 00-0285	EA	6"	To 7' Acer palmatum - Japanese Maple.....	107.74	
32 93 43 00-0286	EA	7"	To 8' Acer palmatum - Japanese Maple.....	150.84	
32 93 43 00-0287	EA	8"	To 10' Acer palmatum - Japanese Maple.....	193.94	
32 93 43 00-0288	EA	10"	To 12' Acer palmatum - Japanese Maple.....	258.58	
32 93 43 00-0289	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	109.84	
32 93 43 00-0290	EA	2"	Caliper Acer platanoides & cvs - Norway Maple.....	133.72	
32 93 43 00-0291	EA	3"	Caliper Acer platanoides & cvs - Norway Maple.....	171.92	
32 93 43 00-0292	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple.....	200.58	
32 93 43 00-0293	EA	4"	Caliper Acer platanoides & cvs - Norway Maple.....	214.90	
32 93 43 00-0294	EA	4-1/2"	Caliper Acer platanoides & cvs - Norway Maple.....	234.01	
32 93 43 00-0295	EA	5"	Caliper Acer platanoides & cvs - Norway Maple.....	262.66	
32 93 43 00-0296	EA	2"	Caliper Acer rubrum & cvs - Red Maple.....	105.06	
32 93 43 00-0297	EA	2-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	133.72	
32 93 43 00-0298	EA	3"	Caliper Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0299	EA	3-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	210.13	
32 93 43 00-0300	EA	4"	Caliper Acer rubrum & cvs - Red Maple.....	238.78	
32 93 43 00-0301	EA	4-1/2"	Caliper Acer rubrum & cvs - Red Maple.....	276.99	
32 93 43 00-0302	EA	5"	Caliper Acer rubrum & cvs - Red Maple.....	310.42	
32 93 43 00-0303	EA	8'	Clump Form Acer rubrum & cvs - Red Maple.....	128.94	
32 93 43 00-0304	EA	10'	Clump Form Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0305	EA	12'	Clump Form Acer rubrum & cvs - Red Maple.....	200.58	
32 93 43 00-0306	EA	14'	Clump Form Acer rubrum & cvs - Red Maple.....	229.23	
32 93 43 00-0307	EA	16'	Clump Form Acer rubrum & cvs - Red Maple.....	257.89	
32 93 43 00-0308	EA	18'	Clump Form Acer rubrum & cvs - Red Maple.....	286.54	
32 93 43 00-0309	EA	2"	Caliper Acer saccharinum & cvs - Silver Maple.....	85.96	
32 93 43 00-0310	EA	2-1/2"	Caliper Acer saccharinum & cvs - Silver Maple.....	114.62	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0311	EA	3" Caliper Acer saccharinum & cvs - Silver Maple.....	143.27	
32 93 43 00-0312	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	171.92	
32 93 43 00-0313	EA	4" Caliper Acer saccharinum & cvs - Silver Maple.....	200.58	
32 93 43 00-0314	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	229.23	
32 93 43 00-0315	EA	5" Caliper Acer saccharinum & cvs - Silver Maple.....	257.89	
32 93 43 00-0316	EA	2" Caliper Acer saccharum & cvs - Sugar Maple.....	105.06	
32 93 43 00-0317	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	138.49	
32 93 43 00-0318	EA	3" Caliper Acer saccharum & cvs - Sugar Maple.....	167.15	
32 93 43 00-0319	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0320	EA	4" Caliper Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0321	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	257.89	
32 93 43 00-0322	EA	5" Caliper Acer saccharum & cvs - Sugar Maple.....	286.54	
32 93 43 00-0323	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0324	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0325	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple.....	262.66	
32 93 43 00-0326	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple.....	291.31	
32 93 43 00-0327	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple.....	353.40	
32 93 43 00-0328	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple.....	382.05	
32 93 43 00-0329	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	119.39	
32 93 43 00-0330	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	148.05	
32 93 43 00-0331	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	181.47	
32 93 43 00-0332	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	210.13	
32 93 43 00-0333	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	229.23	
32 93 43 00-0334	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	253.11	
32 93 43 00-0335	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	281.76	
32 93 43 00-0336	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	171.92	
32 93 43 00-0337	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	227.32	
32 93 43 00-0338	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	264.57	
32 93 43 00-0339	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	291.31	
32 93 43 00-0340	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	353.40	
32 93 43 00-0341	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	382.05	
32 93 43 00-0342	EA	2" Caliper Aesculus glabra - Ohio Buckeye.....	128.94	
32 93 43 00-0343	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye.....	152.82	
32 93 43 00-0344	EA	3" Caliper Aesculus glabra - Ohio Buckeye.....	181.47	
32 93 43 00-0345	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye.....	200.58	
32 93 43 00-0346	EA	4" Caliper Aesculus glabra - Ohio Buckeye.....	219.68	
32 93 43 00-0347	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye.....	248.33	
32 93 43 00-0348	EA	5" Caliper Aesculus glabra - Ohio Buckeye.....	286.54	
32 93 43 00-0349	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	167.15	
32 93 43 00-0350	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	186.25	
32 93 43 00-0351	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	210.13	
32 93 43 00-0352	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	238.78	
32 93 43 00-0353	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	286.54	
32 93 43 00-0354	EA	2" Caliper Aesculus x carnea - Red Horsechestnut.....	167.15	
32 93 43 00-0355	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	186.25	
32 93 43 00-0356	EA	3" Caliper Aesculus x carnea - Red Horsechestnut.....	210.13	
32 93 43 00-0357	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	238.78	
32 93 43 00-0358	EA	4" Caliper Aesculus x carnea - Red Horsechestnut.....	286.54	
32 93 43 00-0359	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	119.39	
32 93 43 00-0360	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	138.49	
32 93 43 00-0361	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	157.60	
32 93 43 00-0362	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	181.47	
32 93 43 00-0363	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	124.17	
32 93 43 00-0364	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	152.82	
32 93 43 00-0365	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	171.92	
32 93 43 00-0366	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	191.03	
32 93 43 00-0367	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	214.90	
32 93 43 00-0368	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	238.78	
32 93 43 00-0369	EA	2" Caliper Betula nigra - River Birch.....	119.39	
32 93 43 00-0370	EA	2-1/2" Caliper Betula nigra - River Birch.....	135.20	
32 93 43 00-0371	EA	3" Caliper Betula nigra - River Birch.....	152.82	
32 93 43 00-0372	EA	3-1/2" Caliper Betula nigra - River Birch.....	191.03	
32 93 43 00-0373	EA	4" Caliper Betula nigra - River Birch.....	214.90	
32 93 43 00-0374	EA	4-1/2" Caliper Betula nigra - River Birch.....	238.78	
32 93 43 00-0375	EA	5" Caliper Betula nigra - River Birch.....	262.66	
32 93 43 00-0376	EA	8' Clump Form Betula nigra - River Birch.....	109.84	
32 93 43 00-0377	EA	10' Clump Form Betula nigra - River Birch.....	124.17	
32 93 43 00-0378	EA	12' Clump Form Betula nigra - River Birch.....	143.27	
32 93 43 00-0379	EA	14' Clump Form Betula nigra - River Birch.....	167.15	
32 93 43 00-0380	EA	16' Clump Form Betula nigra - River Birch.....	191.03	
32 93 43 00-0381	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	143.27	
32 93 43 00-0382	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	171.92	
32 93 43 00-0383	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	200.58	
32 93 43 00-0384	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	238.78	
32 93 43 00-0385	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	248.33	
32 93 43 00-0386	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam.....	191.03	
32 93 43 00-0387	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	214.90	
32 93 43 00-0388	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam.....	248.33	
32 93 43 00-0389	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	300.87	
32 93 43 00-0390	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	85.96	
32 93 43 00-0391	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	119.39	
32 93 43 00-0392	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	148.05	
32 93 43 00-0393	EA	2" Caliper Catalpa speciosa - Northern Catalpa.....	105.06	
32 93 43 00-0394	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa.....	143.27	
32 93 43 00-0395	EA	3" Caliper Catalpa speciosa - Northern Catalpa.....	186.25	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 93 43 00-0396	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	224.46		
32 93 43 00-0397	EA	4" Caliper Catalpa speciosa - Northern Catalpa	257.89		
32 93 43 00-0398	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	133.72		
32 93 43 00-0399	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	152.82		
32 93 43 00-0400	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	186.25		
32 93 43 00-0401	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	219.68		
32 93 43 00-0402	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	253.11		
32 93 43 00-0403	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	286.54		
32 93 43 00-0404	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	167.15		
32 93 43 00-0405	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	191.03		
32 93 43 00-0406	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	224.46		
32 93 43 00-0407	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	267.44		
32 93 43 00-0408	EA	6" Clump Form Cercidiphyllum japonicum - Katsuratree	133.72		
32 93 43 00-0409	EA	7" Clump Form Cercidiphyllum japonicum - Katsuratree	157.60		
32 93 43 00-0410	EA	8" Clump Form Cercidiphyllum japonicum - Katsuratree	191.03		
32 93 43 00-0411	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	238.78		
32 93 43 00-0412	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	286.54		
32 93 43 00-0413	EA	2" Caliper Cladrastus lutea - American Yellowwood	238.78		
32 93 43 00-0414	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	286.54		
32 93 43 00-0415	EA	3" Caliper Cladrastus lutea - American Yellowwood	334.30		
32 93 43 00-0416	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	382.05		
32 93 43 00-0417	EA	2" Caliper Corylus colurna - Turkish Filbert	148.05		
32 93 43 00-0418	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	167.15		
32 93 43 00-0419	EA	3" Caliper Corylus colurna - Turkish Filbert	191.03		
32 93 43 00-0420	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	219.68		
32 93 43 00-0421	EA	4" Caliper Corylus colurna - Turkish Filbert	262.66		
32 93 43 00-0422	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	305.64		
32 93 43 00-0423	EA	5" Caliper Corylus colurna - Turkish Filbert	348.62		
32 93 43 00-0424	EA	8" Clump Form Corylus colurna - Turkish Filbert	133.72		
32 93 43 00-0425	EA	10' Clump Form Corylus colurna - Turkish Filbert	162.37		
32 93 43 00-0426	EA	12' Clump Form Corylus colurna - Turkish Filbert	191.03		
32 93 43 00-0427	EA	14' Clump Form Corylus colurna - Turkish Filbert	214.90		
32 93 43 00-0428	EA	16' Clump Form Corylus colurna - Turkish Filbert	238.78		
32 93 43 00-0429	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon	85.96		
32 93 43 00-0430	EA	2" Caliper Diospyros virginiana - Common Persimmon	105.06		
32 93 43 00-0431	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon	133.72		
32 93 43 00-0432	EA	3" Caliper Diospyros virginiana - Common Persimmon	167.15		
32 93 43 00-0433	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon	200.58		
32 93 43 00-0434	EA	1-1/2" Caliper Fagus grandifolia - American Beech	191.03		
32 93 43 00-0435	EA	2" Caliper Fagus grandifolia - American Beech	248.33		
32 93 43 00-0436	EA	2-1/2" Caliper Fagus grandifolia - American Beech	315.19		
32 93 43 00-0437	EA	3" Caliper Fagus grandifolia - American Beech	382.05		
32 93 43 00-0438	EA	3-1/2" Caliper Fagus grandifolia - American Beech	453.69		
32 93 43 00-0439	EA	2" Caliper Fagus sylvatica & cvs - European Beech	214.90		
32 93 43 00-0440	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	257.89		
32 93 43 00-0441	EA	3" Caliper Fagus sylvatica & cvs - European Beech	310.42		
32 93 43 00-0442	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	343.85		
32 93 43 00-0443	EA	4" Caliper Fagus sylvatica & cvs - European Beech	405.93		
32 93 43 00-0444	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	525.32		
32 93 43 00-0445	EA	5" Caliper Fagus sylvatica & cvs - European Beech	620.83		
32 93 43 00-0446	EA	2" Caliper Fraxinus americana & cvs - White Ash	119.39		
32 93 43 00-0447	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	143.27		
32 93 43 00-0448	EA	3" Caliper Fraxinus americana & cvs - White Ash	181.47		
32 93 43 00-0449	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	219.68		
32 93 43 00-0450	EA	4" Caliper Fraxinus americana & cvs - White Ash	257.89		
32 93 43 00-0451	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	286.54		
32 93 43 00-0452	EA	5" Caliper Fraxinus americana & cvs - White Ash	334.30		
32 93 43 00-0453	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	105.06		
32 93 43 00-0454	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	124.17		
32 93 43 00-0455	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	167.15		
32 93 43 00-0456	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	200.58		
32 93 43 00-0457	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	238.78		
32 93 43 00-0458	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	257.89		
32 93 43 00-0459	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	286.54		
32 93 43 00-0460	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	143.27		
32 93 43 00-0461	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	176.70		
32 93 43 00-0462	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	214.90		
32 93 43 00-0463	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	262.66		
32 93 43 00-0464	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	310.42		
32 93 43 00-0465	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	167.15		
32 93 43 00-0466	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	186.25		
32 93 43 00-0467	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	210.13		
32 93 43 00-0468	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	234.01		
32 93 43 00-0469	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	262.66		
32 93 43 00-0470	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	286.54		
32 93 43 00-0471	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	429.81		
32 93 43 00-0472	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	477.57		
32 93 43 00-0473	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	114.62		
32 93 43 00-0474	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	143.27		
32 93 43 00-0475	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	171.92		
32 93 43 00-0476	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	200.58		
32 93 43 00-0477	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	229.23		
32 93 43 00-0478	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	257.89		
32 93 43 00-0479	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	305.64		
32 93 43 00-0480	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	60.41		

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0481	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	71.40
32 93 43 00-0482	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	98.86
32 93 43 00-0483	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	128.51
32 93 43 00-0484	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	142.79
32 93 43 00-0485	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	169.15
32 93 43 00-0486	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	148.05
32 93 43 00-0487	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	181.47
32 93 43 00-0488	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	214.90
32 93 43 00-0489	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	253.11
32 93 43 00-0490	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	286.54
32 93 43 00-0491	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	319.97
32 93 43 00-0492	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	358.17
32 93 43 00-0493	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	73.91
32 93 43 00-0494	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	90.54
32 93 43 00-0495	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	114.71
32 93 43 00-0496	EA	1-1/2" Caliper Juglans cinerea - Butternut	114.62
32 93 43 00-0497	EA	2" Caliper Juglans cinerea - Butternut	133.72
32 93 43 00-0498	EA	2-1/2" Caliper Juglans cinerea - Butternut	167.15
32 93 43 00-0499	EA	3" Caliper Juglans cinerea - Butternut	210.13
32 93 43 00-0500	EA	3-1/2" Caliper Juglans cinerea - Butternut	257.89
32 93 43 00-0501	EA	1-1/2" Caliper Juglans nigra - Black Walnut	114.62
32 93 43 00-0502	EA	2" Caliper Juglans nigra - Black Walnut	133.72
32 93 43 00-0503	EA	2-1/2" Caliper Juglans nigra - Black Walnut	167.15
32 93 43 00-0504	EA	3" Caliper Juglans nigra - Black Walnut	210.13
32 93 43 00-0505	EA	3-1/2" Caliper Juglans nigra - Black Walnut	257.89
32 93 43 00-0506	EA	4" Caliper Juglans nigra - Black Walnut	310.42
32 93 43 00-0507	EA	4-1/2" Caliper Juglans nigra - Black Walnut	358.17
32 93 43 00-0508	EA	5" Caliper Juglans nigra - Black Walnut	405.93
32 93 43 00-0509	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	12.93
32 93 43 00-0510	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	32.32
32 93 43 00-0511	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	64.65
32 93 43 00-0512	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	84.04
32 93 43 00-0513	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	61.41
32 93 43 00-0514	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	74.34
32 93 43 00-0515	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	103.43
32 93 43 00-0516	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	152.82
32 93 43 00-0517	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	191.03
32 93 43 00-0518	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	238.78
32 93 43 00-0519	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	286.54
32 93 43 00-0520	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	334.30
32 93 43 00-0521	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	152.82
32 93 43 00-0522	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	210.13
32 93 43 00-0523	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	248.33
32 93 43 00-0524	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	286.54
32 93 43 00-0525	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	324.74
32 93 43 00-0526	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	114.62
32 93 43 00-0527	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	205.35
32 93 43 00-0528	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	248.33
32 93 43 00-0529	EA	10' To 12' Swietenia Mahagoni - Mahogany	84.58
32 93 43 00-0530	EA	12' To 14' Swietenia Mahagoni - Mahogany	98.86
32 93 43 00-0531	EA	14' To 16' Swietenia Mahagoni - Mahogany	131.81
32 93 43 00-0532	EA	16' To 18' Swietenia Mahagoni - Mahogany	148.28
32 93 43 00-0533	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	152.82
32 93 43 00-0534	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	191.03
32 93 43 00-0535	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	238.78
32 93 43 00-0536	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	286.54
32 93 43 00-0537	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	334.30
32 93 43 00-0538	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	66.86
32 93 43 00-0539	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.41
32 93 43 00-0540	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	90.74
32 93 43 00-0541	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	114.62
32 93 43 00-0542	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	143.27
32 93 43 00-0543	EA	2" Caliper Ostrya virginiana - American Hophornbeam	124.17
32 93 43 00-0544	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	157.60
32 93 43 00-0545	EA	3" Caliper Ostrya virginiana - American Hophornbeam	191.03
32 93 43 00-0546	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	224.46
32 93 43 00-0547	EA	4" Caliper Ostrya virginiana - American Hophornbeam	272.21
32 93 43 00-0548	EA	2" Caliper Phellodendron amurense - Amur Corktree	95.51
32 93 43 00-0549	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	119.39
32 93 43 00-0550	EA	3" Caliper Phellodendron amurense - Amur Corktree	143.27
32 93 43 00-0551	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	167.15
32 93 43 00-0552	EA	4" Caliper Phellodendron amurense - Amur Corktree	191.03
32 93 43 00-0553	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	214.90
32 93 43 00-0554	EA	5" Caliper Phellodendron amurense - Amur Corktree	238.78
32 93 43 00-0555	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	207.48
32 93 43 00-0556	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	301.79
32 93 43 00-0557	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	448.93
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	69.42
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.00
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	113.17
32 93 43 00-0561	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	137.34
32 93 43 00-0562	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	57.12
32 93 43 00-0563	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	71.40
32 93 43 00-0564	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	126.32
32 93 43 00-0565	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	181.24

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various tree types like Caliper Tilia cordata, Caliper Ulmus, etc., with their respective costs.

32 93 43 00-0772

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

Table listing various evergreen trees such as Abies balsamea, Abies concolor, Cedrus atlantica, and Chamaecyparis obtusa with their descriptions and costs.

32 Exterior Improvements

32 90 Planting

32 93 Plants

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Lists various plant species and quantities.

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

Detailed table for tree planting with columns for CSI, UOM, DESCRIPTION, and costs. Includes rows for various tree sizes and container types.

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0034	EA	1 Gallon Container Shrub Planting.....	15.16	
		<i>For >10 To 25, Deduct</i>	-0.76	
		<i>For >25 To 50, Deduct</i>	-1.90	
		<i>For >50 To 100, Deduct</i>	-3.03	
		<i>For >100, Deduct</i>	-4.55	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting.....	21.39	
		<i>For >10 To 25, Deduct</i>	-1.07	
		<i>For >25 To 50, Deduct</i>	-2.67	
		<i>For >50 To 100, Deduct</i>	-4.28	
		<i>For >100, Deduct</i>	-6.42	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting.....	26.74	
		<i>For >10 To 25, Deduct</i>	-1.34	
		<i>For >25 To 50, Deduct</i>	-3.34	
		<i>For >50 To 100, Deduct</i>	-5.35	
		<i>For >100, Deduct</i>	-8.02	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting.....	35.65	
		<i>For >10 To 25, Deduct</i>	-1.78	
		<i>For >25 To 50, Deduct</i>	-4.46	
		<i>For >50 To 100, Deduct</i>	-7.13	
		<i>For >100, Deduct</i>	-10.70	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting.....	44.57	
		<i>For >10 To 25, Deduct</i>	-2.23	
		<i>For >25 To 50, Deduct</i>	-5.57	
		<i>For >50 To 100, Deduct</i>	-8.91	
		<i>For >100, Deduct</i>	-13.37	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting.....	60.61	
		<i>For >10 To 25, Deduct</i>	-3.03	
		<i>For >25 To 50, Deduct</i>	-7.58	
		<i>For >50 To 100, Deduct</i>	-12.12	
		<i>For >100, Deduct</i>	-18.18	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting.....	80.21	
		<i>For >10 To 25, Deduct</i>	-4.01	
		<i>For >25 To 50, Deduct</i>	-10.03	
		<i>For >50 To 100, Deduct</i>	-16.04	
		<i>For >100, Deduct</i>	-24.06	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting.....	110.52	
		<i>For >10 To 25, Deduct</i>	-5.53	
		<i>For >25 To 50, Deduct</i>	-13.82	
		<i>For >50 To 100, Deduct</i>	-22.10	
		<i>For >100, Deduct</i>	-33.16	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting.....	185.39	
		<i>For >10 To 25, Deduct</i>	-9.27	
		<i>For >25 To 50, Deduct</i>	-23.17	
		<i>For >50 To 100, Deduct</i>	-37.08	
		<i>For >100, Deduct</i>	-55.62	
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting.....	237.44	
		<i>For >10 To 25, Deduct</i>	-11.87	
		<i>For >25 To 50, Deduct</i>	-29.68	
		<i>For >50 To 100, Deduct</i>	-47.49	
		<i>For >100, Deduct</i>	-71.23	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting.....	49.91	
		<i>For >10 To 25, Deduct</i>	-2.50	
		<i>For >25 To 50, Deduct</i>	-6.24	
		<i>For >50 To 100, Deduct</i>	-9.98	
		<i>For >100, Deduct</i>	-14.97	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting.....	51.70	
		<i>For >10 To 25, Deduct</i>	-2.59	
		<i>For >25 To 50, Deduct</i>	-6.46	
		<i>For >50 To 100, Deduct</i>	-10.34	
		<i>For >100, Deduct</i>	-15.51	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting.....	57.04	
		<i>For >10 To 25, Deduct</i>	-2.85	
		<i>For >25 To 50, Deduct</i>	-7.13	
		<i>For >50 To 100, Deduct</i>	-11.41	
		<i>For >100, Deduct</i>	-17.11	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting.....	57.04	
		<i>For >10 To 25, Deduct</i>	-2.85	
		<i>For >25 To 50, Deduct</i>	-7.13	
		<i>For >50 To 100, Deduct</i>	-11.41	
		<i>For >100, Deduct</i>	-17.11	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting.....	62.40	
		<i>For >10 To 25, Deduct</i>	-3.12	
		<i>For >25 To 50, Deduct</i>	-7.80	
		<i>For >50 To 100, Deduct</i>	-12.48	
		<i>For >100, Deduct</i>	-18.72	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting.....	65.95	
		<i>For >10 To 25, Deduct</i>	-3.30	
		<i>For >25 To 50, Deduct</i>	-8.24	
		<i>For >50 To 100, Deduct</i>	-13.19	
		<i>For >100, Deduct</i>	-19.79	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting.....	71.30	
		<i>For >10 To 25, Deduct</i>	-3.57	
		<i>For >25 To 50, Deduct</i>	-8.91	
		<i>For >50 To 100, Deduct</i>	-14.26	
		<i>For >100, Deduct</i>	-21.39	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting.....	106.95	
		<i>For >10 To 25, Deduct</i>	-5.35	
		<i>For >25 To 50, Deduct</i>	-13.37	
		<i>For >50 To 100, Deduct</i>	-21.39	
		<i>For >100, Deduct</i>	-32.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0052	EA		6' Balled And Burlapped Shrub Planting.....	151.52	
			<i>For >10 To 25, Deduct</i>	-7.58	
			<i>For >25 To 50, Deduct</i>	-18.94	
			<i>For >50 To 100, Deduct</i>	-30.30	
			<i>For >100, Deduct</i>	-45.46	
32 93 83 00-0053	EA		7' Balled And Burlapped Shrub Planting.....	201.43	
			<i>For >10 To 25, Deduct</i>	-10.07	
			<i>For >25 To 50, Deduct</i>	-25.18	
			<i>For >50 To 100, Deduct</i>	-40.29	
			<i>For >100, Deduct</i>	-60.43	
32 93 83 00-0054	EA		8' Balled And Burlapped Shrub Planting.....	228.17	
			<i>For >10 To 25, Deduct</i>	-11.41	
			<i>For >25 To 50, Deduct</i>	-28.52	
			<i>For >50 To 100, Deduct</i>	-45.63	
			<i>For >100, Deduct</i>	-68.45	
32 93 83 00-0055	EA		9' Balled And Burlapped Shrub Planting.....	246.00	
			<i>For >10 To 25, Deduct</i>	-12.30	
			<i>For >25 To 50, Deduct</i>	-30.75	
			<i>For >50 To 100, Deduct</i>	-49.20	
			<i>For >100, Deduct</i>	-73.80	
32 93 83 00-0056	EA		10' Balled And Burlapped Shrub Planting.....	267.39	
			<i>For >10 To 25, Deduct</i>	-13.37	
			<i>For >25 To 50, Deduct</i>	-33.42	
			<i>For >50 To 100, Deduct</i>	-53.48	
			<i>For >100, Deduct</i>	-80.22	
32 93 83 00-0057			Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.49	
			<i>For >10 To 25, Deduct</i>	-0.07	
			<i>For >25 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100, Deduct</i>	-0.45	
32 93 83 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting.....	1.70	
			<i>For >10 To 25, Deduct</i>	-0.09	
			<i>For >25 To 50, Deduct</i>	-0.21	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100, Deduct</i>	-0.51	
32 93 83 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting.....	1.98	
			<i>For >10 To 25, Deduct</i>	-0.10	
			<i>For >25 To 50, Deduct</i>	-0.25	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100, Deduct</i>	-0.59	
32 93 83 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.38	
			<i>For >10 To 25, Deduct</i>	-0.12	
			<i>For >25 To 50, Deduct</i>	-0.30	
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100, Deduct</i>	-0.71	
32 93 83 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting.....	2.97	
			<i>For >10 To 25, Deduct</i>	-0.15	
			<i>For >25 To 50, Deduct</i>	-0.37	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100, Deduct</i>	-0.89	
32 93 83 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting.....	4.46	
			<i>For >10 To 25, Deduct</i>	-0.22	
			<i>For >25 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100, Deduct</i>	-1.34	
32 93 83 00-0064	EA		1 Gallon Container Groundcover And Flower Planting.....	14.26	
			<i>For >10 To 25, Deduct</i>	-0.71	
			<i>For >25 To 50, Deduct</i>	-1.78	
			<i>For >50 To 100, Deduct</i>	-2.85	
			<i>For >100, Deduct</i>	-4.28	
32 93 83 00-0065	EA		2 Gallon Container Groundcover And Flower Planting.....	19.61	
			<i>For >10 To 25, Deduct</i>	-0.98	
			<i>For >25 To 50, Deduct</i>	-2.45	
			<i>For >50 To 100, Deduct</i>	-3.92	
			<i>For >100, Deduct</i>	-5.88	
32 93 83 00-0066	EA		3 Gallon Container Groundcover And Flower Planting.....	24.96	
			<i>For >10 To 25, Deduct</i>	-1.25	
			<i>For >25 To 50, Deduct</i>	-3.12	
			<i>For >50 To 100, Deduct</i>	-4.99	
			<i>For >100, Deduct</i>	-7.49	
32 93 83 00-0067	EA		4 Gallon Container Groundcover And Flower Planting.....	32.08	
			<i>For >10 To 25, Deduct</i>	-1.60	
			<i>For >25 To 50, Deduct</i>	-4.01	
			<i>For >50 To 100, Deduct</i>	-6.42	
			<i>For >100, Deduct</i>	-9.62	
32 93 83 00-0068	EA		5 Gallon Container Groundcover And Flower Planting.....	39.21	
			<i>For >10 To 25, Deduct</i>	-1.96	
			<i>For >25 To 50, Deduct</i>	-4.90	
			<i>For >50 To 100, Deduct</i>	-7.84	
			<i>For >100, Deduct</i>	-11.76	
32 93 83 00-0069	EA		7 Gallon Container Groundcover And Flower Planting.....	53.48	
			<i>For >10 To 25, Deduct</i>	-2.67	
			<i>For >25 To 50, Deduct</i>	-6.69	
			<i>For >50 To 100, Deduct</i>	-10.70	
			<i>For >100, Deduct</i>	-16.04	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 83 00-0070	EA	Bulb Planting.....	0.89	
		<i>For >10 To 25, Deduct</i>	-0.04	
		<i>For >25 To 50, Deduct</i>	-0.11	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100, Deduct</i>	-0.27	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting.....	24.96	
		<i>For >10 To 25, Deduct</i>	-1.25	
		<i>For >25, Deduct</i>	-3.12	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting.....	35.40	
		<i>For >10 To 25, Deduct</i>	-1.77	
		<i>For >25, Deduct</i>	-4.43	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting.....	47.12	
		<i>For >10 To 25, Deduct</i>	-2.36	
		<i>For >25, Deduct</i>	-5.89	

32 93 83 00-0074 Tree Pits (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	98.94	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	148.38	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	191.45	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	287.10	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	295.91	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	441.61	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	362.84	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	543.51	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit.....	433.81	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit.....	650.35	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	624.90	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	939.15	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	831.18	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,238.25	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,178.76	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit.....	1,765.58	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit.....	1,986.03	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit.....	2,994.54	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	2,731.66	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	4,095.79	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.50	2.17
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.16	2.17
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	8.20	2.17
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	9.36	2.24
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	10.17	2.24
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	10.15	2.24
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.40	2.31
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.30	2.31
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	9.39	2.31
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	10.53	2.38
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	11.43	2.38
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	11.50	2.38
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	9.30	2.24
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	12.86	2.24

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	6" x 8" Railroad Ties	11.84	3.52
32 94 16 00-0002	LF	7" x 9" Railroad Ties	14.16	4.42
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	8.74	2.59
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	11.55	3.24
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	13.42	3.81
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine.....	3.19	1.29
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine.....	4.86	1.95
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine.....	8.28	2.51
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine.....	11.44	3.24
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine.....	14.13	3.81

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames** (32 94 43)**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames** (32 94 43 00-0001)

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	731.51	45.53
		<i>For >3 To 9, Deduct</i>	-48.03	
		<i>For >9, Deduct</i>	-99.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	847.94	45.53
			For >3 To 9, Deduct	-56.77	
			For >9, Deduct	-117.32	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	1,023.84	60.71
			For >3 To 9, Deduct	-67.68	
			For >9, Deduct	-139.88	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	1,277.28	60.71
			For >3 To 9, Deduct	-86.69	
			For >9, Deduct	-179.16	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,638.12	75.89
			For >3 To 9, Deduct	-111.48	
			For >9, Deduct	-230.39	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame.....	1,716.42	91.06
			For >3 To 9, Deduct	-115.07	
			For >9, Deduct	-237.82	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,892.80	91.06
			For >3 To 9, Deduct	-128.30	
			For >9, Deduct	-265.16	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame.....	2,518.36	129.00
			For >3 To 9, Deduct	-169.53	
			For >9, Deduct	-350.36	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	2,621.10	129.00
			For >3 To 9, Deduct	-177.23	
			For >9, Deduct	-366.28	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	2,706.72	129.00
			For >3 To 9, Deduct	-183.65	
			For >9, Deduct	-379.55	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	2,775.22	129.00
			For >3 To 9, Deduct	-188.79	
			For >9, Deduct	-390.17	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame	2,826.59	129.00
			For >3 To 9, Deduct	-192.65	
			For >9, Deduct	-398.13	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	3,098.17	151.76
			For >3 To 9, Deduct	-209.60	
			For >9, Deduct	-433.17	
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)					
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	673.28	45.53
			For >3 To 9, Deduct	-43.67	
			For >9, Deduct	-90.24	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	818.83	45.53
			For >3 To 9, Deduct	-54.58	
			For >9, Deduct	-112.80	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	1,213.45	75.89
			For >3 To 9, Deduct	-79.63	
			For >9, Deduct	-164.56	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	1,436.06	75.89
			For >3 To 9, Deduct	-96.32	
			For >9, Deduct	-199.07	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	1,641.55	75.89
			For >3 To 9, Deduct	-111.73	
			For >9, Deduct	-230.92	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,829.91	75.89
			For >3 To 9, Deduct	-125.86	
			For >9, Deduct	-260.11	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	2,001.15	75.89
			For >3 To 9, Deduct	-138.70	
			For >9, Deduct	-286.66	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	2,155.27	75.89
			For >3 To 9, Deduct	-150.26	
			For >9, Deduct	-310.54	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	2,061.86	106.24
			For >3 To 9, Deduct	-138.70	
			For >9, Deduct	-286.66	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	2,215.98	106.24
			For >3 To 9, Deduct	-150.26	
			For >9, Deduct	-310.54	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	2,352.97	106.24
			For >3 To 9, Deduct	-160.54	
			For >9, Deduct	-331.78	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	2,472.84	106.24
			For >3 To 9, Deduct	-169.53	
			For >9, Deduct	-350.36	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,575.58	106.24
			For >3 To 9, Deduct	-177.23	
			For >9, Deduct	-366.28	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	2,661.20	106.24
			For >3 To 9, Deduct	-183.65	
			For >9, Deduct	-379.55	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	2,518.36	129.00
			For >3 To 9, Deduct	-169.53	
			For >9, Deduct	-350.36	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,621.10	129.00
			For >3 To 9, Deduct	-177.23	
			For >9, Deduct	-366.28	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	2,706.72	129.00
			For >3 To 9, Deduct	-183.65	
			For >9, Deduct	-379.55	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	2,775.22	129.00
			For >3 To 9, Deduct	-188.79	
			For >9, Deduct	-390.17	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	2,826.59	129.00
			For >3 To 9, Deduct	-192.65	
			For >9, Deduct	-398.13	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	2,860.84	129.00
			For >3 To 9, Deduct	-195.21	
			For >9, Deduct	-403.44	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	2,877.96	129.00
			For >3 To 9, Deduct	-196.50	
			For >9, Deduct	-406.10	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	2,895.09	129.00
			For >3 To 9, Deduct	-197.78	
			For >9, Deduct	-408.75	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,277.28	60.71
			For >3 To 9, Deduct	-86.69	
			For >9, Deduct	-179.16	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,302.97	60.71
			For >3 To 9, Deduct	-88.62	
			For >9, Deduct	-183.14	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	1,591.89	75.89
			For >3 To 9, Deduct	-108.01	
			For >9, Deduct	-223.22	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	1,877.86	75.89
			For >3 To 9, Deduct	-129.46	
			For >9, Deduct	-267.55	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	2,001.15	75.89
			For >3 To 9, Deduct	-138.70	
			For >9, Deduct	-286.66	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	2,672.47	129.00
			For >3 To 9, Deduct	-181.09	
			For >9, Deduct	-374.24	
32 94 49 Plant and Tree Accessories (32 94)					
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	23.20	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	38.69	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	66.64	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	101.75	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	137.78	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	178.66	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	227.47	
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	5.37	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	8.91	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	17.62	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	27.18	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard.....	9.06	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard.....	8.29	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs.....	5.45	
32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	9.12	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.85	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	15.15	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	28.24	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	38.96	

32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 96 33 00-0001	Moving Shrubs On Site, Relocate <small>(32 96 33)</small>				
	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.				
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site			60.93	
	For >25 To 50, Deduct			-6.09	
	For >50, Deduct			-9.14	
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site			82.43	
	For >25 To 50, Deduct			-8.24	
	For >50, Deduct			-12.36	
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site			139.77	
	For >25 To 50, Deduct			-13.98	
	For >50, Deduct			-20.97	
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site			215.04	
	For >25 To 50, Deduct			-21.50	
	For >50, Deduct			-32.26	

32 96 43 Tree Transplanting (32 96)

32 96 43 00-0001	Moving Trees On Site, Relocate <small>(32 96 43)</small>				
	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0723 for crane lifting equipment, 32 94 49 00-0001 for guying.				
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site			229.26	
	For >5 To 10, Deduct			-11.46	
	For >10 To 20, Deduct			-22.93	
	For >20, Deduct			-34.39	
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....			314.42	
	For >5 To 10, Deduct			-15.72	
	For >10 To 20, Deduct			-31.44	
	For >20, Deduct			-47.16	
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....			509.47	
	For >5 To 10, Deduct			-25.47	
	For >10 To 20, Deduct			-50.95	
	For >20, Deduct			-76.42	
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....			846.50	
	For >5 To 10, Deduct			-42.33	
	For >10 To 20, Deduct			-84.65	
	For >20, Deduct			-126.98	
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....			1,375.56	
	For >5 To 10, Deduct			-68.78	
	For >10 To 20, Deduct			-137.56	
	For >20, Deduct			-206.33	
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....			1,774.92	
	For >5 To 10, Deduct			-88.75	
	For >10 To 20, Deduct			-177.49	
	For >20, Deduct			-266.24	
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....			2,292.60	
	For >5 To 10, Deduct			-114.63	
	For >10 To 20, Deduct			-229.26	
	For >20, Deduct			-343.89	
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....			2,751.12	
	For >5 To 10, Deduct			-137.56	
	For >10 To 20, Deduct			-275.11	
	For >20, Deduct			-412.67	
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....			3,126.28	
	For >5 To 10, Deduct			-156.31	
	For >10 To 20, Deduct			-312.63	
	For >20, Deduct			-468.94	

END OF SECTION 32

32 Exterior Improvements

32 90 Planting

32 96 Transplanting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation and Maintenance of Utilities (33)

33 01 10 Operation and Maintenance of Water Utilities (33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems (33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization (33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	806.40	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	403.20	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.30	
	<i>For >250 To 500, Deduct</i>	-0.02	
	<i>For >500 To 1,000, Deduct</i>	-0.03	
	<i>For >1,000 To 2,000, Deduct</i>	-0.05	
	<i>For >2,000 To 5,000, Deduct</i>	-0.06	
	<i>For >5,000, Deduct</i>	-0.08	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization	0.46	
	<i>For >250 To 500, Deduct</i>	-0.02	
	<i>For >500 To 1,000, Deduct</i>	-0.05	
	<i>For >1,000 To 2,000, Deduct</i>	-0.07	
	<i>For >2,000 To 5,000, Deduct</i>	-0.09	
	<i>For >5,000, Deduct</i>	-0.12	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization	0.61	
	<i>For >250 To 500, Deduct</i>	-0.03	
	<i>For >500 To 1,000, Deduct</i>	-0.06	
	<i>For >1,000 To 2,000, Deduct</i>	-0.09	
	<i>For >2,000 To 5,000, Deduct</i>	-0.12	
	<i>For >5,000, Deduct</i>	-0.15	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization	0.72	
	<i>For >250 To 500, Deduct</i>	-0.04	
	<i>For >500 To 1,000, Deduct</i>	-0.07	
	<i>For >1,000 To 2,000, Deduct</i>	-0.11	
	<i>For >2,000 To 5,000, Deduct</i>	-0.14	
	<i>For >5,000, Deduct</i>	-0.18	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization	0.94	
	<i>For >250 To 500, Deduct</i>	-0.05	
	<i>For >500 To 1,000, Deduct</i>	-0.09	
	<i>For >1,000 To 2,000, Deduct</i>	-0.14	
	<i>For >2,000 To 5,000, Deduct</i>	-0.19	
	<i>For >5,000, Deduct</i>	-0.24	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.06	
	<i>For >250 To 500, Deduct</i>	-0.05	
	<i>For >500 To 1,000, Deduct</i>	-0.11	
	<i>For >1,000 To 2,000, Deduct</i>	-0.16	
	<i>For >2,000 To 5,000, Deduct</i>	-0.21	
	<i>For >5,000, Deduct</i>	-0.27	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.21	
	<i>For >250 To 500, Deduct</i>	-0.06	
	<i>For >500 To 1,000, Deduct</i>	-0.12	
	<i>For >1,000 To 2,000, Deduct</i>	-0.18	
	<i>For >2,000 To 5,000, Deduct</i>	-0.24	
	<i>For >5,000, Deduct</i>	-0.30	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.42	
	<i>For >250 To 500, Deduct</i>	-0.07	
	<i>For >500 To 1,000, Deduct</i>	-0.14	
	<i>For >1,000 To 2,000, Deduct</i>	-0.21	
	<i>For >2,000 To 5,000, Deduct</i>	-0.28	
	<i>For >5,000, Deduct</i>	-0.36	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.83	
	<i>For >250 To 500, Deduct</i>	-0.09	
	<i>For >500 To 1,000, Deduct</i>	-0.18	
	<i>For >1,000 To 2,000, Deduct</i>	-0.27	
	<i>For >2,000 To 5,000, Deduct</i>	-0.37	
	<i>For >5,000, Deduct</i>	-0.46	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.69	
	<i>For >250 To 500, Deduct</i>	-0.13	
	<i>For >500 To 1,000, Deduct</i>	-0.27	
	<i>For >1,000 To 2,000, Deduct</i>	-0.40	
	<i>For >2,000 To 5,000, Deduct</i>	-0.54	
	<i>For >5,000, Deduct</i>	-0.67	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization	3.72	
	<i>For >250 To 500, Deduct</i>	-0.19	
	<i>For >500 To 1,000, Deduct</i>	-0.37	
	<i>For >1,000 To 2,000, Deduct</i>	-0.56	
	<i>For >2,000 To 5,000, Deduct</i>	-0.74	
	<i>For >5,000, Deduct</i>	-0.93	

33 01 10 71 Relining Water Utilities Pipelines (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines (33 01 10 71)

Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 71-0002		Sprayed On Cement Lining System <small>(33 01 10 71-0001)</small>	
		Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0003		Mobilization And Setup For Sprayed On Cement Lining System <small>(33 01 10 71-0002)</small>	
33 01 10 71-0004	EA	Mobilization And Setup For Sprayed On Cement Lining System.....	5,716.80
33 01 10 71-0005		Sprayed On Cement Lining System <small>(33 01 10 71-0002)</small>	
33 01 10 71-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	600.26
33 01 10 71-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	528.80
33 01 10 71-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	464.49
33 01 10 71-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	400.18
33 01 10 71-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	637.42
33 01 10 71-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	565.96
33 01 10 71-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	523.09
33 01 10 71-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	428.76
33 01 10 71-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	647.43
33 01 10 71-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	583.11
33 01 10 71-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	544.53
33 01 10 71-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	493.07
33 01 10 71-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,064.75
33 01 10 71-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,036.17
33 01 10 71-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	821.79
33 01 10 71-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	778.91
33 01 10 71-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	971.86
33 01 10 71-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	928.98
33 01 10 71-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	828.94
33 01 10 71-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	757.48
33 01 10 71-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,163.37
33 01 10 71-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,129.07
33 01 10 71-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	828.94
33 01 10 71-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	771.77
33 01 10 71-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,400.62
33 01 10 71-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,314.86
33 01 10 71-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	971.86
33 01 10 71-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	886.10
33 01 10 71-0034		Sprayed On Geopolymer Lining System <small>(33 01 10 71-0001)</small>	
		Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0035		Mobilization And Setup For Sprayed On Geopolymer Lining System <small>(33 01 10 71-0034)</small>	
33 01 10 71-0036	EA	Mobilization And Setup For Sprayed On Geopolymer Lining System.....	21,438.00
33 01 10 71-0037		Sprayed On Geopolymer Lining System <small>(33 01 10 71-0034)</small>	
33 01 10 71-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	446.62
33 01 10 71-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	509.15
33 01 10 71-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	580.61
33 01 10 71-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	687.80
33 01 10 71-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	937.91
33 01 10 71-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,196.96
33 01 10 71-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,429.20
33 01 10 71-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,563.19
33 01 10 71-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,741.84
33 01 10 71-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,991.95
33 01 10 71-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,501.10
33 01 10 71-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	3,001.32
33 01 30		Operation and Maintenance of Sewer Utilities <small>(33 01)</small>	
33 01 30 11		Television Inspection Of Pipelines <small>(33 01 30)</small>	
		Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.	
33 01 30 11-0001		Remote Visual Inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>	
33 01 30 11-0002		Video Camera Inspection For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>	
33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert	3.54
33 01 30 23		Pipe Bursting <small>(33 01 30)</small>	
33 01 30 23-0001		Pipe Bursting <small>(33 01 30 23)</small>	
		Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.	
33 01 30 23-0002		Pipe Lining <small>(33 01 30 23-0001)</small>	
33 01 30 23-0003		Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0002)</small>	
		Note: Per each joint.	
33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	94.83
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	108.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 23-0006	EA		>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining.....	129.78	
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33 01 30 23-0007 High Density Polyethylene (HDPE) Pipe Lining, DR 17 (33 01 30 23-0002)

Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.

33 01 30 23-0008	LF		4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.33	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.39	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.05	
			<i>For White Interior Pipe, Add</i>	0.71	
			<i>For Gray Interior Pipe, Add</i>	0.54	
33 01 30 23-0009	LF		5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	4.46	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.59	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.59	
			<i>For White Interior Pipe, Add</i>	1.07	
			<i>For Gray Interior Pipe, Add</i>	0.81	
33 01 30 23-0010	LF		6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	6.46	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.94	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.55	
			<i>For White Interior Pipe, Add</i>	1.72	
			<i>For Gray Interior Pipe, Add</i>	1.30	
33 01 30 23-0011	LF		7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.30	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.08	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.94	
			<i>For White Interior Pipe, Add</i>	1.99	
			<i>For Gray Interior Pipe, Add</i>	1.51	
33 01 30 23-0012	LF		8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	10.11	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.58	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.30	
			<i>For White Interior Pipe, Add</i>	2.90	
			<i>For Gray Interior Pipe, Add</i>	2.20	
33 01 30 23-0013	LF		10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	15.02	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.46	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.68	
			<i>For White Interior Pipe, Add</i>	4.51	
			<i>For Gray Interior Pipe, Add</i>	3.42	
33 01 30 23-0014	LF		12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	20.62	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.46	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.40	
			<i>For White Interior Pipe, Add</i>	6.35	
			<i>For Gray Interior Pipe, Add</i>	4.81	
33 01 30 23-0015	LF		13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	22.59	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.81	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	10.35	
			<i>For White Interior Pipe, Add</i>	6.98	
			<i>For Gray Interior Pipe, Add</i>	5.29	
33 01 30 23-0016	LF		14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	24.66	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.17	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	11.34	
			<i>For White Interior Pipe, Add</i>	7.65	
			<i>For Gray Interior Pipe, Add</i>	5.80	
33 01 30 23-0017	LF		16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	31.85	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.45	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.81	
			<i>For White Interior Pipe, Add</i>	10.00	
			<i>For Gray Interior Pipe, Add</i>	7.57	
33 01 30 23-0018	LF		18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	40.03	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.90	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	18.76	
			<i>For White Interior Pipe, Add</i>	12.66	
			<i>For Gray Interior Pipe, Add</i>	9.59	
33 01 30 23-0019	LF		20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	49.13	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.52	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	23.15	
			<i>For White Interior Pipe, Add</i>	15.62	
			<i>For Gray Interior Pipe, Add</i>	11.84	
33 01 30 23-0020	LF		22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	59.20	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.31	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	28.01	
			<i>For White Interior Pipe, Add</i>	18.90	
			<i>For Gray Interior Pipe, Add</i>	14.32	
33 01 30 23-0021	LF		24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	70.27	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-12.27	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	33.34	
			<i>For White Interior Pipe, Add</i>	22.50	
			<i>For Gray Interior Pipe, Add</i>	17.05	
33 01 30 23-0022	LF		26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	82.25	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-14.40	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	39.11	
			<i>For White Interior Pipe, Add</i>	26.39	
			<i>For Gray Interior Pipe, Add</i>	20.00	
33 01 30 23-0023	LF		28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	95.28	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-16.70	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	45.37	
			<i>For White Interior Pipe, Add</i>	30.62	
			<i>For Gray Interior Pipe, Add</i>	23.20	
33 01 30 23-0024	LF		30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	109.28	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-19.17	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	52.08	
			<i>For White Interior Pipe, Add</i>	35.15	
			<i>For Gray Interior Pipe, Add</i>	26.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 23-0025	LF	32"	DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	124.28	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-21.81	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	59.25	
			<i>For White Interior Pipe, Add</i>	39.98	
			<i>For Gray Interior Pipe, Add</i>	30.29	
33 01 30 23-0026	LF	34"	DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	153.06	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-26.91	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	73.11	
			<i>For White Interior Pipe, Add</i>	49.34	
			<i>For Gray Interior Pipe, Add</i>	37.38	
33 01 30 23-0027	LF	36"	DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	157.51	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-27.60	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	74.99	
			<i>For White Interior Pipe, Add</i>	50.61	
			<i>For Gray Interior Pipe, Add</i>	38.34	

33 01 30 23-0028 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)

33 01 30 23-0029 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 23-0028)

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).

33 01 30 23-0030	EA		Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	896.93	
			<i>For No Excavation, Deduct</i>	-579.93	
33 01 30 23-0031	EA		Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,006.72	
			<i>For No Excavation, Deduct</i>	-652.42	
33 01 30 23-0032	EA		Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee.....	1,062.63	
			<i>For No Excavation, Deduct</i>	-688.66	
33 01 30 23-0033	EA		Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee.....	1,118.56	
			<i>For No Excavation, Deduct</i>	-724.91	
33 01 30 23-0034	EA		Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee.....	1,213.92	
			<i>For No Excavation, Deduct</i>	-761.16	
33 01 30 23-0035	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee.....	1,133.09	
			<i>For No Excavation, Deduct</i>	-724.91	
33 01 30 23-0036	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee.....	1,191.10	
			<i>For No Excavation, Deduct</i>	-761.16	
33 01 30 23-0037	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee.....	1,278.14	
			<i>For No Excavation, Deduct</i>	-797.40	
33 01 30 23-0038	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee.....	1,506.26	
			<i>For No Excavation, Deduct</i>	-833.64	
33 01 30 23-0039	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee.....	1,587.07	
			<i>For No Excavation, Deduct</i>	-869.88	
33 01 30 23-0040	EA		Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee.....	1,941.76	
			<i>For No Excavation, Deduct</i>	-906.14	

33 01 30 23-0041 Re-Connection Of Non-Renewed Laterals; Saddle Style (33 01 30 23-0028)

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.

33 01 30 23-0042	EA		Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,175.94	
			<i>For No Excavation, Deduct</i>	-647.24	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-126.68	
33 01 30 23-0043	EA		Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,428.91	
			<i>For No Excavation, Deduct</i>	-673.13	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-106.85	
33 01 30 23-0044	EA		Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,539.33	
			<i>For No Excavation, Deduct</i>	-699.02	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	41.59	
33 01 30 23-0045	EA		Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,694.67	
			<i>For No Excavation, Deduct</i>	-776.69	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	10.52	
33 01 30 23-0046	EA		Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,889.13	
			<i>For No Excavation, Deduct</i>	-828.47	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	453.44	
33 01 30 23-0047	EA		Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,451.70	
			<i>For No Excavation, Deduct</i>	-919.08	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	474.40	
33 01 30 23-0048	EA		Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,171.18	
			<i>For No Excavation, Deduct</i>	-1,009.69	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	818.89	
33 01 30 23-0049	EA		Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,571.01	
			<i>For No Excavation, Deduct</i>	-1,139.14	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	638.25	
33 01 30 23-0050	EA		Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,650.97	
			<i>For No Excavation, Deduct</i>	-1,346.26	
			<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	805.27	

33 01 30 41 Cleaning of Sewers (33 01 30)

33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)
Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)
Note: Excludes debris disposal.

33 01 30 41-0003 Hydro Jet Cleaning Of Pipes (33 01 30 41-0002)
Note: Excludes removal of material.

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0004	LF 10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	1.27	
	<i>For >250 To 500, Deduct</i>	-0.06	
	<i>For >500 To 1,000, Deduct</i>	-0.13	
	<i>For >1,000 To 2,000, Deduct</i>	-0.19	
	<i>For >2,000 To 5,000, Deduct</i>	-0.25	
	<i>For >5,000, Deduct</i>	-0.32	
33 01 30 41-0005	LF >12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	2.57	
	<i>For >250 To 500, Deduct</i>	-0.13	
	<i>For >500 To 1,000, Deduct</i>	-0.26	
	<i>For >1,000 To 2,000, Deduct</i>	-0.39	
	<i>For >2,000 To 5,000, Deduct</i>	-0.51	
	<i>For >5,000, Deduct</i>	-0.64	
33 01 30 41-0006	LF >24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	5.10	
	<i>For >250 To 500, Deduct</i>	-0.26	
	<i>For >500 To 1,000, Deduct</i>	-0.51	
	<i>For >1,000 To 2,000, Deduct</i>	-0.77	
	<i>For >2,000 To 5,000, Deduct</i>	-1.02	
	<i>For >5,000, Deduct</i>	-1.28	
33 01 30 41-0007	LF >48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	7.14	
	<i>For >250 To 500, Deduct</i>	-0.36	
	<i>For >500 To 1,000, Deduct</i>	-0.71	
	<i>For >1,000 To 2,000, Deduct</i>	-1.07	
	<i>For >2,000 To 5,000, Deduct</i>	-1.43	
	<i>For >5,000, Deduct</i>	-1.79	
33 01 30 41-0008	LF >72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	9.21	
	<i>For >250 To 500, Deduct</i>	-0.46	
	<i>For >500 To 1,000, Deduct</i>	-0.92	
	<i>For >1,000 To 2,000, Deduct</i>	-1.38	
	<i>For >2,000 To 5,000, Deduct</i>	-1.84	
	<i>For >5,000, Deduct</i>	-2.30	
33 01 30 42	Cleaning of Manholes <small>(33 01 30)</small>		
33 01 30 42-0001	Structure Cleaning And Flushing <small>(33 01 30 42)</small> Note: Includes flushing. Owner provided water.		
33 01 30 42-0002	Cleaning Manholes And Drainage Structures With Jet/Vacuum <small>(33 01 30 42-0001)</small> Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.		
33 01 30 42-0003	EA Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	237.36	
33 01 30 42-0004	EA Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	220.44	
33 01 30 42-0005	EA Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	203.52	
33 01 30 42-0006	EA Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	186.60	
33 01 30 42-0007	EA Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	169.68	
33 01 30 42-0008	EA Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	152.76	
33 01 30 43	Removal of Protruding Service Connection <small>(33 01 30)</small>		
33 01 30 43-0001	Trim Protruding Service Taps <small>(33 01 30 43)</small>		
33 01 30 43-0002	EA Trim Protruding Service Tap, 4", Robotic.....	537.20	
33 01 30 43-0003	EA Trim Protruding Service Tap, 6", Robotic.....	590.92	
33 01 30 43-0004	EA Trim Protruding Service Tap, 8", Robotic.....	644.64	
33 01 30 51	Maintenance of Utilities <small>(33 01 30)</small>		
33 01 30 51-0001	Pipe Repair <small>(33 01 30 51)</small>		
33 01 30 51-0002	Pipe Repair Clamp, Full Circle, Single Band <small>(33 01 30 51-0001)</small> Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	112.05	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	19.70	
33 01 30 51-0004	EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	161.08	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	29.69	
33 01 30 51-0005	EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	186.82	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	34.96	
33 01 30 51-0006	EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	213.27	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	40.22	
33 01 30 51-0007	EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	121.01	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	21.39	
33 01 30 51-0008	EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	171.34	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	31.68	
33 01 30 51-0009	EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	196.95	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	36.83	
33 01 30 51-0010	EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	228.18	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	43.10	
33 01 30 51-0011	EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	130.57	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	23.40	
33 01 30 51-0012	EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	178.41	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	33.12	
33 01 30 51-0013	EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	206.85	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	38.83	
33 01 30 51-0014	EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	242.05	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	46.10	
33 01 30 51-0015	EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	147.39	
	<i>For Stainless Steel Nuts And Bolts, Add</i>	26.61	

33 Utilities

33 01 Operation and Maintenance of Utilities

33 01 30 Operation and Maintenance of Sewer Utilities

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	195.40 35.82	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	237.15 43.61	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	285.77 52.60	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	375.66 70.65	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	468.22 88.70	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	571.87 108.81	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	173.39 31.40	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	231.28 42.60	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	273.69 50.23	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	320.13 58.37	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	447.36 84.58	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	544.27 103.14	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	650.13 123.25	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	222.31 37.57	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	289.85 49.71	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	350.03 60.16	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	417.82 71.68	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	559.31 99.31	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	668.93 118.75	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	791.26 139.77	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	262.21 45.73	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	354.23 63.25	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	416.61 73.95	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	511.94 91.46	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	676.51 124.06	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	767.26 138.66	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	992.19 182.93	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	297.96 51.58	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	390.38 68.59	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	471.46 83.00	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	581.13 103.14	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	751.54 136.23	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	882.62 159.09	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,126.12 206.28	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	683.89 198.43	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	973.25 286.46	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,312.52 388.48	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,942.91 585.52	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	717.77 208.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 51-0056	EA	15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,018.71	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	299.74	
33 01	30 51-0057	EA	15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,370.30	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	405.25	
33 01	30 51-0058	EA	15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,036.50	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	613.46	
33 01	30 51-0059	EA	15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	735.29	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	212.40	
33 01	30 51-0060	EA	15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,041.81	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	305.34	
33 01	30 51-0061	EA	15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,405.14	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	414.33	
33 01	30 51-0062	EA	15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,086.58	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	626.73	
33 01	30 51-0063	EA	16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	753.51	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	216.59	
33 01	30 51-0064	EA	16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,068.05	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	311.63	
33 01	30 51-0065	EA	16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,438.06	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	422.01	
33 01	30 51-0066	EA	16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,136.13	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	639.31	
33 01	30 51-0067	EA	17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	769.71	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	220.09	
33 01	30 51-0068	EA	17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,090.15	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	316.51	
33 01	30 51-0069	EA	17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,470.97	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	429.70	
33 01	30 51-0070	EA	17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,180.23	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	649.79	
33 01	30 51-0071	EA	17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	785.15	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	223.59	
33 01	30 51-0072	EA	17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,113.23	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	322.10	
33 01	30 51-0073	EA	17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,500.38	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	436.69	
33 01	30 51-0074	EA	17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,207.41	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	655.03	
33 01	30 51-0075	EA	18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	803.11	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	227.94	
33 01	30 51-0076	EA	18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,140.77	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	329.09	
33 01	30 51-0077	EA	18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,531.81	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	444.37	
33 01	30 51-0078	EA	18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,272.96	
			<i>For Stainless Steel Nuts And Bolts, Add</i>	673.55	
33 01	30 51-0079		Repair Couplings and Fittings (33 01 30 51-0001)		
33 01	30 51-0080		Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
33 01	30 51-0081		Copper Compression Repair Couplings (33 01 30 51-0080)		
	33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	90.04	
	33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	104.12	
	33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	122.59	
	33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	137.46	
	33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	220.46	
33 01	30 51-0087		Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
	33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	111.63	
	33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	125.67	
	33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	269.54	
	33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	96.77	

33 Utilities

33 01 Operation and Maintenance of Utilities

33 01 30 Operation and Maintenance of Sewer Utilities

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0092 to 33 01 30 51-0094.

33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0090)

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0096 to 33 01 30 51-0099.

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0101 to 33 01 30 51-0106.

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0108 and 33 01 30 51-0109.

33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)

Note: Includes gaskets. Dresser style 90.

33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)

Note: Includes gaskets.

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0112 to 33 01 30 51-0128.

33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)

Note: Includes armored gaskets.

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0130 to 33 01 30 51-0140.

33 01 30 51-0141 Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)

Note: Includes armored gaskets.

Table with 4 columns: Item Code, UOM, Description, and Unit Cost. Rows include 33 01 30 51-0142 to 33 01 30 51-0159.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	131.53	
33 01	30 51-0161		Steel Compression Repair Fittings, Tees (33 01 30 51-0110) Note: Includes armored gaskets.		
	33 01 30 51-0162	EA	3/4" Street Tee (Compression)	66.48	
	33 01 30 51-0163	EA	1" Street Tee (Compression)	78.33	
	33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	77.96	
	33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	89.02	
	33 01 30 51-0166	EA	2" Street Tee (Compression)	138.76	
	33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	77.15	
	33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	81.21	
	33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	101.73	
	33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	120.07	
	33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	120.88	
	33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	100.01	
	33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	134.80	
	33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	155.17	
	33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	127.60	
	33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	126.72	
	33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	135.29	
	33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	162.36	
	33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	220.58	
	33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	92.05	
	33 01 30 51-0181	EA	1" Regular Tee (Compression)	165.51	
	33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	174.01	
	33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	185.07	
	33 01 30 51-0184	EA	2" Regular Tee (Compression)	204.07	
	33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	200.81	
33 01	30 51-0186		Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110) Note: Includes armored gaskets.		
	33 01 30 51-0187	EA	3/4" Male Adapter (Compression)	62.15	
	33 01 30 51-0188	EA	1" Male Adapter (Compression)	68.99	
	33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression)	90.93	
	33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression)	101.86	
	33 01 30 51-0191	EA	2" Male Adapter (Compression)	114.31	
	33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	90.40	
33 01	30 51-0193		Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110) Note: Includes armored gaskets.		
	33 01 30 51-0194	EA	3/4" Line Caps (Compression)	33.58	
	33 01 30 51-0195	EA	1" Line Caps (Compression)	39.09	
	33 01 30 51-0196	EA	1-1/4" Line Caps (Compression)	44.70	
	33 01 30 51-0197	EA	1-1/2" Line Caps (Compression)	52.35	
	33 01 30 51-0198	EA	2" Line Caps (Compression)	64.79	
33 01	30 51-0199		Grind Offset Joint (33 01 30 51-0001)		
	33 01 30 51-0200	EA	6" To 10", Grind Drop Offset Joint	322.32	
	33 01 30 51-0201	EA	>10" To 15", Grind Drop Offset Joint	429.77	
	33 01 30 51-0202	EA	>15" To 24", Grind Drop Offset Joint	537.20	
	33 01 30 51-0203	EA	>24" To 30", Grind Drop Offset Joint	644.64	
33 01	30 51-0204		Temporary Pipe Plugging (33 01 30 51-0001)		
33 01	30 51-0205		Gravity Bladder Pipe Plugging (33 01 30 51-0204) Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
	33 01 30 51-0206	EA	3/4" Bladder Type Pipe Plug	61.78	
	33 01 30 51-0207	EA	1" Bladder Type Pipe Plug	66.26	
	33 01 30 51-0208	EA	1-1/4" Bladder Type Pipe Plug	72.40	
	33 01 30 51-0209	EA	1-1/2" Bladder Type Pipe Plug	77.89	
	33 01 30 51-0210	EA	2" Bladder Type Pipe Plug	83.04	
	33 01 30 51-0211	EA	2-1/2" Bladder Type Pipe Plug	89.15	
	33 01 30 51-0212	EA	3" Bladder Type Pipe Plug	97.75	
	33 01 30 51-0213	EA	4" Bladder Type Pipe Plug	107.88	
	33 01 30 51-0214	EA	5" Bladder Type Pipe Plug	116.65	
	33 01 30 51-0215	EA	6" Bladder Type Pipe Plug	129.78	
	33 01 30 51-0216	EA	8" Bladder Type Pipe Plug	144.34	
	33 01 30 51-0217	EA	10" Bladder Type Pipe Plug	167.07	
	33 01 30 51-0218	EA	12" Bladder Type Pipe Plug	202.28	
	33 01 30 51-0219	EA	14" Bladder Type Pipe Plug	239.48	
	33 01 30 51-0220	EA	16" Bladder Type Pipe Plug	287.95	
	33 01 30 51-0221	EA	18" Bladder Type Pipe Plug	346.22	
	33 01 30 51-0222	EA	20" Bladder Type Pipe Plug	416.97	
	33 01 30 51-0223	EA	24" Bladder Type Pipe Plug	483.56	
33 01	30 51-0224		Polyseal Pipe Coupler (33 01 30 51-0001)		
	33 01 30 51-0225	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	232.70	
	33 01 30 51-0226	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	262.65	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 01 30 63 Sewer and Pipe Joint Sealing (33 01 30)****33 01 30 63-0001 Joint Air Test (33 01 30 63)**

33 01 30 63-0002	EA	4" To 8", Joint Air Test	73.36
33 01 30 63-0003	EA	10" To 15", Joint Air Test	85.58
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	97.80
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	122.26
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	146.71
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	171.16

33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)

Note: Includes grout.

33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest	220.51
		Note: Includes up to 1 gallon of grout.	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest	244.97
		Note: Includes 1 gallon of grout.	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest	294.30
		Note: Includes 2 gallons of grout.	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest	331.21
		Note: Includes 2.5 gallons of grout.	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest	368.11
		Note: Includes 3 gallons of grout.	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest	435.69
		Note: Includes 3.75 gallons of grout.	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest	503.26
		Note: Includes 4.5 gallons of grout.	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest	570.83
		Note: Includes 5.25 gallons of grout.	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest	662.86
		Note: Includes 6 gallons of grout.	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest	754.88
		Note: Includes 6.75 gallons of grout.	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest	871.36
		Note: Includes 7.5 gallons of grout.	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest	1,006.52
		Note: Includes 9 gallons of grout.	
33 01 30 63-0021	GAL	Extra Grout Per Joint	122.70
		Note: For extra grout per joint required over listed amount.	

33 01 30 71 Relining Sewer Utilities Pipelines (33 01 30)**33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups. 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 71-0002 Other Liner Pipe (33 01 30 71-0001)**33 01 30 71-0003 Polyvinyl Chloride (PVC) Liner Pipe (33 01 30 71-0002)**

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 71-0004	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	22.41
33 01 30 71-0005	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	33.49
33 01 30 71-0006	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	45.10
33 01 30 71-0007	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	55.93
33 01 30 71-0008	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	73.11
33 01 30 71-0009	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	87.67
33 01 30 71-0010	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	100.32
33 01 30 71-0011	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	142.90

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)**

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,179.63
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,966.06
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	2,949.08
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	3,932.10
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	589.81
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	983.02
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,228.78
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	1,572.84
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	983.02
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	2,359.26
		Note: Need to mix wet material in bag prior to installation.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0013	EA		Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,932.10	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014	EA		Mixing Truck And Refrigeration For Relining >48" To 72" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,898.16	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0015			Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) <small>(33 01 30 72-0001)</small> Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.		
33 01 30 72-0016			4.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017	LF		4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	15.96	
			For Up To >10, Add	33.78	
			For >10 To 25, Add	27.21	
			For >25 To 50, Add	16.61	
			For >50 To 100, Add	8.30	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000 To 2,000, Deduct	-1.71	
			For >2,000 To 5,000, Deduct	-3.26	
			For >5,000, Deduct	-5.26	
			For Vinylster Resin, Add	3.95	
			For Epoxy Resin, Add	0.47	
33 01 30 72-0018	LF		4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	19.05	
			For Up To >10, Add	35.33	
			For >10 To 25, Add	27.98	
			For >25 To 50, Add	17.23	
			For >50 To 100, Add	8.61	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000 To 2,000, Deduct	-1.94	
			For >2,000 To 5,000, Deduct	-3.63	
			For >5,000, Deduct	-5.87	
			For Vinylster Resin, Add	6.11	
			For Epoxy Resin, Add	0.72	
33 01 30 72-0019	LF		4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	22.15	
			For Up To >10, Add	36.88	
			For >10 To 25, Add	28.76	
			For >25 To 50, Add	17.85	
			For >50 To 100, Add	8.92	
			For >500 To 1,000, Deduct	-1.37	
			For >1,000 To 2,000, Deduct	-2.18	
			For >2,000 To 5,000, Deduct	-4.00	
			For >5,000, Deduct	-6.49	
			For Vinylster Resin, Add	8.28	
			For Epoxy Resin, Add	0.98	
33 01 30 72-0020	LF		4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	29.32	
			For Up To >10, Add	42.94	
			For >10 To 25, Add	32.78	
			For >25 To 50, Add	20.57	
			For >50 To 100, Add	10.28	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000 To 2,000, Deduct	-2.76	
			For >2,000 To 5,000, Deduct	-4.99	
			For >5,000, Deduct	-8.13	
			For Vinylster Resin, Add	12.61	
			For Epoxy Resin, Add	1.49	
33 01 30 72-0021	LF		4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	36.49	
			For Up To >10, Add	48.97	
			For >10 To 25, Add	36.78	
			For >25 To 50, Add	23.28	
			For >50 To 100, Add	11.64	
			For >500 To 1,000, Deduct	-2.13	
			For >1,000 To 2,000, Deduct	-3.35	
			For >2,000 To 5,000, Deduct	-5.98	
			For >5,000, Deduct	-9.76	
			For Vinylster Resin, Add	16.94	
			For Epoxy Resin, Add	2.00	
33 01 30 72-0022			6mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023	LF		6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	21.72	
			For Up To >10, Add	36.66	
			For >10 To 25, Add	28.65	
			For >25 To 50, Add	17.76	
			For >50 To 100, Add	8.88	
			For >500 To 1,000, Deduct	-1.34	
			For >1,000 To 2,000, Deduct	-2.15	
			For >2,000 To 5,000, Deduct	-3.95	
			For >5,000, Deduct	-6.41	
			For Vinylster Resin, Add	7.98	
			For Epoxy Resin, Add	0.94	
33 01 30 72-0024	LF		6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	25.84	
			For Up To >10, Add	38.72	
			For >10 To 25, Add	29.68	
			For >25 To 50, Add	18.58	
			For >50 To 100, Add	9.29	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000 To 2,000, Deduct	-2.45	
			For >2,000 To 5,000, Deduct	-4.44	
			For >5,000, Deduct	-7.23	
			For Vinylster Resin, Add	10.86	
			For Epoxy Resin, Add	1.28	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	35.08	
		<i>For Up To >10, Add</i>	45.82	
		<i>For >10 To 25, Add</i>	34.22	
		<i>For >25 To 50, Add</i>	21.72	
		<i>For >50 To 100, Add</i>	10.86	
		<i>For >500 To 1,000, Deduct</i>	-2.04	
		<i>For >1,000 To 2,000, Deduct</i>	-3.20	
		<i>For >2,000 To 5,000, Deduct</i>	-5.68	
		<i>For >5,000, Deduct</i>	-9.28	
		<i>For Vinylster Resin, Add</i>	16.64	
		<i>For Epoxy Resin, Add</i>	1.96	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	44.31	
		<i>For Up To >10, Add</i>	52.88	
		<i>For >10 To 25, Add</i>	38.73	
		<i>For >25 To 50, Add</i>	24.84	
		<i>For >50 To 100, Add</i>	12.42	
		<i>For >500 To 1,000, Deduct</i>	-2.52	
		<i>For >1,000 To 2,000, Deduct</i>	-3.94	
		<i>For >2,000 To 5,000, Deduct</i>	-6.91	
		<i>For >5,000, Deduct</i>	-11.32	
		<i>For Vinylster Resin, Add</i>	22.41	
		<i>For Epoxy Resin, Add</i>	2.64	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	53.64	
		<i>For Up To >10, Add</i>	60.25	
		<i>For >10 To 25, Add</i>	43.49	
		<i>For >25 To 50, Add</i>	28.11	
		<i>For >50 To 100, Add</i>	14.05	
		<i>For >500 To 1,000, Deduct</i>	-3.02	
		<i>For >1,000 To 2,000, Deduct</i>	-4.69	
		<i>For >2,000 To 5,000, Deduct</i>	-8.17	
		<i>For >5,000, Deduct</i>	-13.40	
		<i>For Vinylster Resin, Add</i>	28.19	
		<i>For Epoxy Resin, Add</i>	3.32	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	63.26	
		<i>For Up To >10, Add</i>	68.48	
		<i>For >10 To 25, Add</i>	48.98	
		<i>For >25 To 50, Add</i>	31.81	
		<i>For >50 To 100, Add</i>	15.91	
		<i>For >500 To 1,000, Deduct</i>	-3.53	
		<i>For >1,000 To 2,000, Deduct</i>	-5.48	
		<i>For >2,000 To 5,000, Deduct</i>	-9.51	
		<i>For >5,000, Deduct</i>	-15.60	
33 01 30 72-0029		7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	29.42	
		<i>For Up To >10, Add</i>	40.51	
		<i>For >10 To 25, Add</i>	30.58	
		<i>For >25 To 50, Add</i>	19.30	
		<i>For >50 To 100, Add</i>	9.65	
		<i>For >500 To 1,000, Deduct</i>	-1.73	
		<i>For >1,000 To 2,000, Deduct</i>	-2.72	
		<i>For >2,000 To 5,000, Deduct</i>	-4.87	
		<i>For >5,000, Deduct</i>	-7.95	
		<i>For Vinylster Resin, Add</i>	13.37	
		<i>For Epoxy Resin, Add</i>	1.58	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	40.72	
		<i>For Up To >10, Add</i>	48.64	
		<i>For >10 To 25, Add</i>	35.63	
		<i>For >25 To 50, Add</i>	22.85	
		<i>For >50 To 100, Add</i>	11.42	
		<i>For >500 To 1,000, Deduct</i>	-2.32	
		<i>For >1,000 To 2,000, Deduct</i>	-3.62	
		<i>For >2,000 To 5,000, Deduct</i>	-6.36	
		<i>For >5,000, Deduct</i>	-10.41	
		<i>For Vinylster Resin, Add</i>	20.59	
		<i>For Epoxy Resin, Add</i>	2.43	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	52.02	
		<i>For Up To >10, Add</i>	56.74	
		<i>For >10 To 25, Add</i>	40.66	
		<i>For >25 To 50, Add</i>	26.38	
		<i>For >50 To 100, Add</i>	13.19	
		<i>For >500 To 1,000, Deduct</i>	-2.91	
		<i>For >1,000 To 2,000, Deduct</i>	-4.52	
		<i>For >2,000 To 5,000, Deduct</i>	-7.84	
		<i>For >5,000, Deduct</i>	-12.86	
		<i>For Vinylster Resin, Add</i>	27.81	
		<i>For Epoxy Resin, Add</i>	3.28	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	63.41	
		<i>For Up To >10, Add</i>	65.13	
		<i>For >10 To 25, Add</i>	45.94	
		<i>For >25 To 50, Add</i>	30.06	
		<i>For >50 To 100, Add</i>	15.03	
		<i>For >500 To 1,000, Deduct</i>	-3.50	
		<i>For >1,000 To 2,000, Deduct</i>	-5.42	
		<i>For >2,000 To 5,000, Deduct</i>	-9.35	
		<i>For >5,000, Deduct</i>	-15.36	
		<i>For Vinylster Resin, Add</i>	35.03	
		<i>For Epoxy Resin, Add</i>	4.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0034	LF		7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	75.09	
			For Up To >10, Add	74.40	
			For >10 To 25, Add	51.94	
			For >25 To 50, Add	34.18	
			For >50 To 100, Add	17.09	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000 To 2,000, Deduct	-6.37	
			For >2,000 To 5,000, Deduct	-10.93	
			For >5,000, Deduct	-17.97	
33 01 30 72-0035	LF		7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	92.53	
			For Up To >10, Add	88.04	
			For >10 To 25, Add	60.73	
			For >25 To 50, Add	40.23	
			For >50 To 100, Add	20.11	
			For >500 To 1,000, Deduct	-5.04	
			For >1,000 To 2,000, Deduct	-7.78	
			For >2,000 To 5,000, Deduct	-13.28	
			For >5,000, Deduct	-21.85	
33 01 30 72-0036	LF		7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	110.16	
			For Up To >10, Add	102.28	
			For >10 To 25, Add	70.02	
			For >25 To 50, Add	46.58	
			For >50 To 100, Add	23.29	
			For >500 To 1,000, Deduct	-5.98	
			For >1,000 To 2,000, Deduct	-9.21	
			For >2,000 To 5,000, Deduct	-15.67	
			For >5,000, Deduct	-25.81	
33 01 30 72-0037			9mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0038	LF		9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	46.24	
			For Up To >10, Add	51.40	
			For >10 To 25, Add	37.01	
			For >25 To 50, Add	23.95	
			For >50 To 100, Add	11.98	
			For >500 To 1,000, Deduct	-2.59	
			For >1,000 To 2,000, Deduct	-4.03	
			For >2,000 To 5,000, Deduct	-7.02	
			For >5,000, Deduct	-11.51	
			For Vinylster Resin, Add	24.45	
			For Epoxy Resin, Add	2.88	
33 01 30 72-0039	LF		9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	59.59	
			For Up To >10, Add	60.52	
			For >10 To 25, Add	42.55	
			For >25 To 50, Add	27.90	
			For >50 To 100, Add	13.95	
			For >500 To 1,000, Deduct	-3.29	
			For >1,000 To 2,000, Deduct	-5.08	
			For >2,000 To 5,000, Deduct	-8.75	
			For >5,000, Deduct	-14.38	
			For Vinylster Resin, Add	33.11	
			For Epoxy Resin, Add	3.90	
33 01 30 72-0040	LF		9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	73.05	
			For Up To >10, Add	69.95	
			For >10 To 25, Add	48.35	
			For >25 To 50, Add	31.99	
			For >50 To 100, Add	16.00	
			For >500 To 1,000, Deduct	-3.99	
			For >1,000 To 2,000, Deduct	-6.15	
			For >2,000 To 5,000, Deduct	-10.50	
			For >5,000, Deduct	-17.28	
			For Vinylster Resin, Add	41.78	
			For Epoxy Resin, Add	4.92	
33 01 30 72-0041	LF		9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	86.79	
			For Up To >10, Add	80.25	
			For >10 To 25, Add	54.86	
			For >25 To 50, Add	36.52	
			For >50 To 100, Add	18.26	
			For >500 To 1,000, Deduct	-4.71	
			For >1,000 To 2,000, Deduct	-7.25	
			For >2,000 To 5,000, Deduct	-12.33	
			For >5,000, Deduct	-20.31	
33 01 30 72-0042	LF		9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	107.32	
			For Up To >10, Add	95.44	
			For >10 To 25, Add	64.43	
			For >25 To 50, Add	43.19	
			For >50 To 100, Add	21.59	
			For >500 To 1,000, Deduct	-5.78	
			For >1,000 To 2,000, Deduct	-8.88	
			For >2,000 To 5,000, Deduct	-15.05	
			For >5,000, Deduct	-24.81	
33 01 30 72-0043	LF		9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	128.05	
			For Up To >10, Add	111.23	
			For >10 To 25, Add	74.49	
			For >25 To 50, Add	50.15	
			For >50 To 100, Add	25.08	
			For >500 To 1,000, Deduct	-6.87	
			For >1,000 To 2,000, Deduct	-10.55	
			For >2,000 To 5,000, Deduct	-17.82	
			For >5,000, Deduct	-29.39	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0044	LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	148.18	
	For Up To >10, Add	125.22	
	For >10 To 25, Add	83.06	
	For >25 To 50, Add	56.22	
	For >50 To 100, Add	28.11	
	For >500 To 1,000, Deduct	-7.92	
	For >1,000 To 2,000, Deduct	-12.14	
	For >2,000 To 5,000, Deduct	-20.44	
	For >5,000, Deduct	-33.73	
33 01 30 72-0045	LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	168.61	
	For Up To >10, Add	140.08	
	For >10 To 25, Add	92.35	
	For >25 To 50, Add	62.73	
	For >50 To 100, Add	31.36	
	For >500 To 1,000, Deduct	-8.99	
	For >1,000 To 2,000, Deduct	-13.76	
	For >2,000 To 5,000, Deduct	-23.13	
	For >5,000, Deduct	-38.18	
33 01 30 72-0046	10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	122.00	
	For Up To >10, Add	102.78	
	For >10 To 25, Add	68.10	
	For >25 To 50, Add	46.12	
	For >50 To 100, Add	23.06	
	For >500 To 1,000, Deduct	-6.52	
	For >1,000 To 2,000, Deduct	-9.99	
	For >2,000 To 5,000, Deduct	-16.81	
	For >5,000, Deduct	-27.74	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	145.82	
	For Up To >10, Add	120.11	
	For >10 To 25, Add	78.94	
	For >25 To 50, Add	53.71	
	For >50 To 100, Add	26.85	
	For >500 To 1,000, Deduct	-7.76	
	For >1,000 To 2,000, Deduct	-11.88	
	For >2,000 To 5,000, Deduct	-19.95	
	For >5,000, Deduct	-32.94	
33 01 30 72-0049	LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	169.05	
	For Up To >10, Add	135.65	
	For >10 To 25, Add	88.28	
	For >25 To 50, Add	60.40	
	For >50 To 100, Add	30.20	
	For >500 To 1,000, Deduct	-8.96	
	For >1,000 To 2,000, Deduct	-13.70	
	For >2,000 To 5,000, Deduct	-22.94	
	For >5,000, Deduct	-37.90	
33 01 30 72-0050	LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	192.56	
	For Up To >10, Add	152.06	
	For >10 To 25, Add	98.34	
	For >25 To 50, Add	67.52	
	For >50 To 100, Add	33.76	
	For >500 To 1,000, Deduct	-10.19	
	For >1,000 To 2,000, Deduct	-15.56	
	For >2,000 To 5,000, Deduct	-26.01	
	For >5,000, Deduct	-42.97	
33 01 30 72-0051	LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	216.48	
	For Up To >10, Add	169.69	
	For >10 To 25, Add	109.43	
	For >25 To 50, Add	75.25	
	For >50 To 100, Add	37.63	
	For >500 To 1,000, Deduct	-11.44	
	For >1,000 To 2,000, Deduct	-17.47	
	For >2,000 To 5,000, Deduct	-29.17	
	For >5,000, Deduct	-48.21	
33 01 30 72-0052	LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	240.88	
	For Up To >10, Add	188.74	
	For >10 To 25, Add	121.69	
	For >25 To 50, Add	83.69	
	For >50 To 100, Add	41.85	
	For >500 To 1,000, Deduct	-12.73	
	For >1,000 To 2,000, Deduct	-19.43	
	For >2,000 To 5,000, Deduct	-32.46	
	For >5,000, Deduct	-53.64	
33 01 30 72-0053	LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	287.64	
	For Up To >10, Add	220.75	
	For >10 To 25, Add	141.14	
	For >25 To 50, Add	97.53	
	For >50 To 100, Add	48.76	
	For >500 To 1,000, Deduct	-15.15	
	For >1,000 To 2,000, Deduct	-23.11	
	For >2,000 To 5,000, Deduct	-38.52	
	For >5,000, Deduct	-63.68	
33 01 30 72-0054	12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	136.55	
For Up To >10, Add	110.05	
For >10 To 25, Add	71.74	
For >25 To 50, Add	49.03	
For >50 To 100, Add	24.52	
For >500 To 1,000, Deduct	-7.25	
For >1,000 To 2,000, Deduct	-11.08	
For >2,000 To 5,000, Deduct	-18.56	
For >5,000, Deduct	-30.65	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	163.47	
For Up To >10, Add	128.94	
For >10 To 25, Add	83.35	
For >25 To 50, Add	57.24	
For >50 To 100, Add	28.62	
For >500 To 1,000, Deduct	-8.65	
For >1,000 To 2,000, Deduct	-13.20	
For >2,000 To 5,000, Deduct	-22.07	
For >5,000, Deduct	-36.47	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	189.79	
For Up To >10, Add	146.02	
For >10 To 25, Add	93.46	
For >25 To 50, Add	64.54	
For >50 To 100, Add	32.27	
For >500 To 1,000, Deduct	-10.00	
For >1,000 To 2,000, Deduct	-15.26	
For >2,000 To 5,000, Deduct	-25.43	
For >5,000, Deduct	-42.05	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	216.40	
For Up To >10, Add	163.98	
For >10 To 25, Add	104.30	
For >25 To 50, Add	72.28	
For >50 To 100, Add	36.14	
For >500 To 1,000, Deduct	-11.38	
For >1,000 To 2,000, Deduct	-17.35	
For >2,000 To 5,000, Deduct	-28.87	
For >5,000, Deduct	-47.74	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	243.41	
For Up To >10, Add	183.16	
For >10 To 25, Add	116.16	
For >25 To 50, Add	80.64	
For >50 To 100, Add	40.32	
For >500 To 1,000, Deduct	-12.79	
For >1,000 To 2,000, Deduct	-19.48	
For >2,000 To 5,000, Deduct	-32.40	
For >5,000, Deduct	-53.60	
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	270.90	
For Up To >10, Add	203.75	
For >10 To 25, Add	129.20	
For >25 To 50, Add	89.70	
For >50 To 100, Add	44.85	
For >500 To 1,000, Deduct	-14.23	
For >1,000 To 2,000, Deduct	-21.68	
For >2,000 To 5,000, Deduct	-36.06	
For >5,000, Deduct	-59.64	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	323.85	
For Up To >10, Add	238.85	
For >10 To 25, Add	150.20	
For >25 To 50, Add	104.77	
For >50 To 100, Add	52.39	
For >500 To 1,000, Deduct	-16.96	
For >1,000 To 2,000, Deduct	-25.83	
For >2,000 To 5,000, Deduct	-42.86	
For >5,000, Deduct	-70.92	
33 01 30 72-0062 LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	377.66	
For Up To >10, Add	276.56	
For >10 To 25, Add	173.37	
For >25 To 50, Add	121.15	
For >50 To 100, Add	60.57	
For >500 To 1,000, Deduct	-19.76	
For >1,000 To 2,000, Deduct	-30.08	
For >2,000 To 5,000, Deduct	-49.88	
For >5,000, Deduct	-82.55	
33 01 30 72-0063 LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	433.06	
For Up To >10, Add	319.01	
For >10 To 25, Add	200.49	
For >25 To 50, Add	139.90	
For >50 To 100, Add	69.95	
For >500 To 1,000, Deduct	-22.68	
For >1,000 To 2,000, Deduct	-34.53	
For >2,000 To 5,000, Deduct	-57.30	
For >5,000, Deduct	-94.81	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0065	LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	150.98	
	<i>For Up To >10, Add</i>	117.27	
	<i>For >10 To 25, Add</i>	75.34	
	<i>For >25 To 50, Add</i>	51.92	
	<i>For >50 To 100, Add</i>	25.96	
	<i>For >500 To 1,000, Deduct</i>	-7.97	
	<i>For >1,000 To 2,000, Deduct</i>	-12.16	
	<i>For >2,000 To 5,000, Deduct</i>	-20.29	
	<i>For >5,000, Deduct</i>	-33.54	
33 01 30 72-0066	LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	181.00	
	<i>For Up To >10, Add</i>	137.70	
	<i>For >10 To 25, Add</i>	87.73	
	<i>For >25 To 50, Add</i>	60.74	
	<i>For >50 To 100, Add</i>	30.37	
	<i>For >500 To 1,000, Deduct</i>	-9.52	
	<i>For >1,000 To 2,000, Deduct</i>	-14.52	
	<i>For >2,000 To 5,000, Deduct</i>	-24.17	
	<i>For >5,000, Deduct</i>	-39.98	
33 01 30 72-0067	LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.41	
	<i>For Up To >10, Add</i>	156.33	
	<i>For >10 To 25, Add</i>	98.62	
	<i>For >25 To 50, Add</i>	68.67	
	<i>For >50 To 100, Add</i>	34.33	
	<i>For >500 To 1,000, Deduct</i>	-11.03	
	<i>For >1,000 To 2,000, Deduct</i>	-16.80	
	<i>For >2,000 To 5,000, Deduct</i>	-27.91	
	<i>For >5,000, Deduct</i>	-46.17	
33 01 30 72-0068	LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	240.11	
	<i>For Up To >10, Add</i>	175.83	
	<i>For >10 To 25, Add</i>	110.23	
	<i>For >25 To 50, Add</i>	77.03	
	<i>For >50 To 100, Add</i>	38.51	
	<i>For >500 To 1,000, Deduct</i>	-12.56	
	<i>For >1,000 To 2,000, Deduct</i>	-19.12	
	<i>For >2,000 To 5,000, Deduct</i>	-31.71	
	<i>For >5,000, Deduct</i>	-52.48	
33 01 30 72-0069	LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	270.22	
	<i>For Up To >10, Add</i>	196.56	
	<i>For >10 To 25, Add</i>	122.86	
	<i>For >25 To 50, Add</i>	86.00	
	<i>For >50 To 100, Add</i>	43.00	
	<i>For >500 To 1,000, Deduct</i>	-14.13	
	<i>For >1,000 To 2,000, Deduct</i>	-21.50	
	<i>For >2,000 To 5,000, Deduct</i>	-35.62	
	<i>For >5,000, Deduct</i>	-58.96	
33 01 30 72-0070	LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	300.80	
	<i>For Up To >10, Add</i>	218.70	
	<i>For >10 To 25, Add</i>	136.67	
	<i>For >25 To 50, Add</i>	95.68	
	<i>For >50 To 100, Add</i>	47.84	
	<i>For >500 To 1,000, Deduct</i>	-15.72	
	<i>For >1,000 To 2,000, Deduct</i>	-23.93	
	<i>For >2,000 To 5,000, Deduct</i>	-39.65	
	<i>For >5,000, Deduct</i>	-65.62	
33 01 30 72-0071	LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.94	
	<i>For Up To >10, Add</i>	256.90	
	<i>For >10 To 25, Add</i>	159.22	
	<i>For >25 To 50, Add</i>	111.99	
	<i>For >50 To 100, Add</i>	55.99	
	<i>For >500 To 1,000, Deduct</i>	-18.77	
	<i>For >1,000 To 2,000, Deduct</i>	-28.53	
	<i>For >2,000 To 5,000, Deduct</i>	-47.19	
	<i>For >5,000, Deduct</i>	-78.14	
33 01 30 72-0072	LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	419.94	
	<i>For Up To >10, Add</i>	297.70	
	<i>For >10 To 25, Add</i>	183.94	
	<i>For >25 To 50, Add</i>	129.61	
	<i>For >50 To 100, Add</i>	64.80	
	<i>For >500 To 1,000, Deduct</i>	-21.87	
	<i>For >1,000 To 2,000, Deduct</i>	-33.25	
	<i>For >2,000 To 5,000, Deduct</i>	-54.95	
	<i>For >5,000, Deduct</i>	-91.01	
33 01 30 72-0073	LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	481.52	
	<i>For Up To >10, Add</i>	343.24	
	<i>For >10 To 25, Add</i>	212.61	
	<i>For >25 To 50, Add</i>	149.59	
	<i>For >50 To 100, Add</i>	74.80	
	<i>For >500 To 1,000, Deduct</i>	-25.10	
	<i>For >1,000 To 2,000, Deduct</i>	-38.16	
	<i>For >2,000 To 5,000, Deduct</i>	-63.11	
	<i>For >5,000, Deduct</i>	-104.50	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0075)

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
33 01 30 72-0075	LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		165.29		
	<i>For Up To >10, Add</i>		124.42		
	<i>For >10 To 25, Add</i>		78.92		
	<i>For >25 To 50, Add</i>		54.78		
	<i>For >50 To 100, Add</i>		27.39		
	<i>For >500 To 1,000, Deduct</i>		-8.68		
	<i>For >1,000 To 2,000, Deduct</i>		-13.23		
	<i>For >2,000 To 5,000, Deduct</i>		-22.01		
	<i>For >5,000, Deduct</i>		-36.40		
33 01 30 72-0076	LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		198.40		
	<i>For Up To >10, Add</i>		146.40		
	<i>For >10 To 25, Add</i>		92.08		
	<i>For >25 To 50, Add</i>		64.22		
	<i>For >50 To 100, Add</i>		32.11		
	<i>For >500 To 1,000, Deduct</i>		-10.39		
	<i>For >1,000 To 2,000, Deduct</i>		-15.82		
	<i>For >2,000 To 5,000, Deduct</i>		-26.26		
	<i>For >5,000, Deduct</i>		-43.46		
33 01 30 72-0077	LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		230.90		
	<i>For Up To >10, Add</i>		166.58		
	<i>For >10 To 25, Add</i>		103.74		
	<i>For >25 To 50, Add</i>		72.77		
	<i>For >50 To 100, Add</i>		36.38		
	<i>For >500 To 1,000, Deduct</i>		-12.06		
	<i>For >1,000 To 2,000, Deduct</i>		-18.34		
	<i>For >2,000 To 5,000, Deduct</i>		-30.37		
	<i>For >5,000, Deduct</i>		-50.27		
33 01 30 72-0078	LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		263.70		
	<i>For Up To >10, Add</i>		187.63		
	<i>For >10 To 25, Add</i>		116.12		
	<i>For >25 To 50, Add</i>		81.74		
	<i>For >50 To 100, Add</i>		40.87		
	<i>For >500 To 1,000, Deduct</i>		-13.74		
	<i>For >1,000 To 2,000, Deduct</i>		-20.89		
	<i>For >2,000 To 5,000, Deduct</i>		-34.54		
	<i>For >5,000, Deduct</i>		-57.20		
33 01 30 72-0079	LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		296.90		
	<i>For Up To >10, Add</i>		209.90		
	<i>For >10 To 25, Add</i>		129.53		
	<i>For >25 To 50, Add</i>		91.33		
	<i>For >50 To 100, Add</i>		45.67		
	<i>For >500 To 1,000, Deduct</i>		-15.46		
	<i>For >1,000 To 2,000, Deduct</i>		-23.50		
	<i>For >2,000 To 5,000, Deduct</i>		-38.82		
	<i>For >5,000, Deduct</i>		-64.30		
33 01 30 72-0080	LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		330.58		
	<i>For Up To >10, Add</i>		233.59		
	<i>For >10 To 25, Add</i>		144.12		
	<i>For >25 To 50, Add</i>		101.63		
	<i>For >50 To 100, Add</i>		50.82		
	<i>For >500 To 1,000, Deduct</i>		-17.21		
	<i>For >1,000 To 2,000, Deduct</i>		-26.16		
	<i>For >2,000 To 5,000, Deduct</i>		-43.22		
	<i>For >5,000, Deduct</i>		-71.58		
33 01 30 72-0081	LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		395.90		
	<i>For Up To >10, Add</i>		274.88		
	<i>For >10 To 25, Add</i>		168.21		
	<i>For >25 To 50, Add</i>		119.18		
	<i>For >50 To 100, Add</i>		59.59		
	<i>For >500 To 1,000, Deduct</i>		-20.56		
	<i>For >1,000 To 2,000, Deduct</i>		-31.23		
	<i>For >2,000 To 5,000, Deduct</i>		-51.51		
	<i>For >5,000, Deduct</i>		-85.33		
33 01 30 72-0082	LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		462.09		
	<i>For Up To >10, Add</i>		318.77		
	<i>For >10 To 25, Add</i>		194.48		
	<i>For >25 To 50, Add</i>		138.04		
	<i>For >50 To 100, Add</i>		69.02		
	<i>For >500 To 1,000, Deduct</i>		-23.98		
	<i>For >1,000 To 2,000, Deduct</i>		-36.41		
	<i>For >2,000 To 5,000, Deduct</i>		-60.01		
	<i>For >5,000, Deduct</i>		-99.44		
33 01 30 72-0083	LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		529.86		
	<i>For Up To >10, Add</i>		367.41		
	<i>For >10 To 25, Add</i>		224.69		
	<i>For >25 To 50, Add</i>		159.26		
	<i>For >50 To 100, Add</i>		79.63		
	<i>For >500 To 1,000, Deduct</i>		-27.52		
	<i>For >1,000 To 2,000, Deduct</i>		-41.79		
	<i>For >2,000 To 5,000, Deduct</i>		-68.91		
	<i>For >5,000, Deduct</i>		-114.17		

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	215.68	
		<i>For Up To >10, Add</i>	155.04	
		<i>For >10 To 25, Add</i>	96.40	
		<i>For >25 To 50, Add</i>	67.68	
		<i>For >50 To 100, Add</i>	33.84	
		<i>For >500 To 1,000, Deduct</i>	-11.26	
		<i>For >1,000 To 2,000, Deduct</i>	-17.12	
		<i>For >2,000 To 5,000, Deduct</i>	-28.34	
		<i>For >5,000, Deduct</i>	-46.91	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	251.28	
		<i>For Up To >10, Add</i>	176.77	
		<i>For >10 To 25, Add</i>	108.83	
		<i>For >25 To 50, Add</i>	76.84	
		<i>For >50 To 100, Add</i>	38.42	
		<i>For >500 To 1,000, Deduct</i>	-13.08	
		<i>For >1,000 To 2,000, Deduct</i>	-19.87	
		<i>For >2,000 To 5,000, Deduct</i>	-32.81	
		<i>For >5,000, Deduct</i>	-54.35	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	287.17	
		<i>For Up To >10, Add</i>	199.36	
		<i>For >10 To 25, Add</i>	121.99	
		<i>For >25 To 50, Add</i>	86.44	
		<i>For >50 To 100, Add</i>	43.22	
		<i>For >500 To 1,000, Deduct</i>	-14.92	
		<i>For >1,000 To 2,000, Deduct</i>	-22.65	
		<i>For >2,000 To 5,000, Deduct</i>	-37.36	
		<i>For >5,000, Deduct</i>	-61.90	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	323.47	
		<i>For Up To >10, Add</i>	223.19	
		<i>For >10 To 25, Add</i>	136.17	
		<i>For >25 To 50, Add</i>	96.65	
		<i>For >50 To 100, Add</i>	48.32	
		<i>For >500 To 1,000, Deduct</i>	-16.79	
		<i>For >1,000 To 2,000, Deduct</i>	-25.49	
		<i>For >2,000 To 5,000, Deduct</i>	-42.01	
		<i>For >5,000, Deduct</i>	-69.61	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	360.24	
		<i>For Up To >10, Add</i>	248.42	
		<i>For >10 To 25, Add</i>	151.53	
		<i>For >25 To 50, Add</i>	107.56	
		<i>For >50 To 100, Add</i>	53.78	
		<i>For >500 To 1,000, Deduct</i>	-18.70	
		<i>For >1,000 To 2,000, Deduct</i>	-28.38	
		<i>For >2,000 To 5,000, Deduct</i>	-46.78	
		<i>For >5,000, Deduct</i>	-77.51	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	431.74	
		<i>For Up To >10, Add</i>	292.80	
		<i>For >10 To 25, Add</i>	177.17	
		<i>For >25 To 50, Add</i>	126.35	
		<i>For >50 To 100, Add</i>	63.17	
		<i>For >500 To 1,000, Deduct</i>	-22.36	
		<i>For >1,000 To 2,000, Deduct</i>	-33.92	
		<i>For >2,000 To 5,000, Deduct</i>	-55.81	
		<i>For >5,000, Deduct</i>	-92.50	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	504.12	
		<i>For Up To >10, Add</i>	339.79	
		<i>For >10 To 25, Add</i>	204.98	
		<i>For >25 To 50, Add</i>	146.44	
		<i>For >50 To 100, Add</i>	73.22	
		<i>For >500 To 1,000, Deduct</i>	-26.08	
		<i>For >1,000 To 2,000, Deduct</i>	-39.56	
		<i>For >2,000 To 5,000, Deduct</i>	-65.06	
		<i>For >5,000, Deduct</i>	-107.84	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	578.08	
		<i>For Up To >10, Add</i>	391.52	
		<i>For >10 To 25, Add</i>	236.75	
		<i>For >25 To 50, Add</i>	168.90	
		<i>For >50 To 100, Add</i>	84.45	
		<i>For >500 To 1,000, Deduct</i>	-29.93	
		<i>For >1,000 To 2,000, Deduct</i>	-45.41	
		<i>For >2,000 To 5,000, Deduct</i>	-74.70	
		<i>For >5,000, Deduct</i>	-123.81	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	654.29	
		<i>For Up To >10, Add</i>	450.02	
		<i>For >10 To 25, Add</i>	274.16	
		<i>For >25 To 50, Add</i>	194.75	
		<i>For >50 To 100, Add</i>	97.38	
		<i>For >500 To 1,000, Deduct</i>	-33.94	
		<i>For >1,000 To 2,000, Deduct</i>	-51.53	
		<i>For >2,000 To 5,000, Deduct</i>	-84.90	
		<i>For >5,000, Deduct</i>	-140.69	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0095	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	233.82	
			For Up To >10, Add	166.56	
			For >10 To 25, Add	103.14	
			For >25 To 50, Add	72.58	
			For >50 To 100, Add	36.29	
			For >500 To 1,000, Deduct	-12.19	
			For >1,000 To 2,000, Deduct	-18.53	
			For >2,000 To 5,000, Deduct	-30.64	
			For >5,000, Deduct	-50.74	
33 01 30 72-0096	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	272.61	
			For Up To >10, Add	190.13	
			For >10 To 25, Add	116.60	
			For >25 To 50, Add	82.51	
			For >50 To 100, Add	41.26	
			For >500 To 1,000, Deduct	-14.17	
			For >1,000 To 2,000, Deduct	-21.52	
			For >2,000 To 5,000, Deduct	-35.51	
			For >5,000, Deduct	-58.83	
33 01 30 72-0097	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	311.70	
			For Up To >10, Add	214.58	
			For >10 To 25, Add	130.78	
			For >25 To 50, Add	92.88	
			For >50 To 100, Add	46.44	
			For >500 To 1,000, Deduct	-16.17	
			For >1,000 To 2,000, Deduct	-24.55	
			For >2,000 To 5,000, Deduct	-40.46	
			For >5,000, Deduct	-67.04	
33 01 30 72-0098	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	351.18	
			For Up To >10, Add	240.22	
			For >10 To 25, Add	145.96	
			For >25 To 50, Add	103.84	
			For >50 To 100, Add	51.92	
			For >500 To 1,000, Deduct	-18.21	
			For >1,000 To 2,000, Deduct	-27.63	
			For >2,000 To 5,000, Deduct	-45.50	
			For >5,000, Deduct	-75.41	
33 01 30 72-0099	LF		18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	391.15	
			For Up To >10, Add	267.33	
			For >10 To 25, Add	162.36	
			For >25 To 50, Add	115.54	
			For >50 To 100, Add	57.77	
			For >500 To 1,000, Deduct	-20.28	
			For >1,000 To 2,000, Deduct	-30.77	
			For >2,000 To 5,000, Deduct	-50.67	
			For >5,000, Deduct	-83.97	
33 01 30 72-0100	LF		18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	468.93	
			For Up To >10, Add	315.07	
			For >10 To 25, Add	189.77	
			For >25 To 50, Add	135.70	
			For >50 To 100, Add	67.85	
			For >500 To 1,000, Deduct	-24.25	
			For >1,000 To 2,000, Deduct	-36.78	
			For >2,000 To 5,000, Deduct	-60.46	
			For >5,000, Deduct	-100.23	
33 01 30 72-0101	LF		18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	547.80	
			For Up To >10, Add	366.05	
			For >10 To 25, Add	219.89	
			For >25 To 50, Add	157.48	
			For >50 To 100, Add	78.74	
			For >500 To 1,000, Deduct	-28.31	
			For >1,000 To 2,000, Deduct	-42.93	
			For >2,000 To 5,000, Deduct	-70.53	
			For >5,000, Deduct	-116.93	
33 01 30 72-0102	LF		18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	628.23	
			For Up To >10, Add	421.74	
			For >10 To 25, Add	253.92	
			For >25 To 50, Add	181.61	
			For >50 To 100, Add	90.81	
			For >500 To 1,000, Deduct	-32.49	
			For >1,000 To 2,000, Deduct	-49.27	
			For >2,000 To 5,000, Deduct	-80.98	
			For >5,000, Deduct	-134.26	
33 01 30 72-0103	LF		18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	711.04	
			For Up To >10, Add	484.55	
			For >10 To 25, Add	293.88	
			For >25 To 50, Add	209.30	
			For >50 To 100, Add	104.65	
			For >500 To 1,000, Deduct	-36.84	
			For >1,000 To 2,000, Deduct	-55.91	
			For >2,000 To 5,000, Deduct	-92.03	
			For >5,000, Deduct	-152.53	
33 01 30 72-0104	LF		18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	800.71	
			For Up To >10, Add	567.96	
			For >10 To 25, Add	351.02	
			For >25 To 50, Add	247.29	
			For >50 To 100, Add	123.65	
			For >500 To 1,000, Deduct	-41.71	
			For >1,000 To 2,000, Deduct	-63.41	
			For >2,000 To 5,000, Deduct	-104.80	
			For >5,000, Deduct	-173.55	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0105	LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	899.34	
	For Up To >10, Add	678.22	
	For >10 To 25, Add	430.53	
	For >25 To 50, Add	298.71	
	For >50 To 100, Add	149.36	
	For >500 To 1,000, Deduct	-47.25	
	For >1,000 To 2,000, Deduct	-72.02	
	For >2,000 To 5,000, Deduct	-119.81	
	For >5,000, Deduct	-198.15	
33 01 30 72-0106	LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,005.04	
	For Up To >10, Add	809.72	
	For >10 To 25, Add	527.74	
	For >25 To 50, Add	360.75	
	For >50 To 100, Add	180.38	
	For >500 To 1,000, Deduct	-53.32	
	For >1,000 To 2,000, Deduct	-81.52	
	For >2,000 To 5,000, Deduct	-136.58	
	For >5,000, Deduct	-225.58	
33 01 30 72-0107	19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0108	LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	250.86	
	For Up To >10, Add	175.08	
	For >10 To 25, Add	107.40	
	For >25 To 50, Add	75.99	
	For >50 To 100, Add	38.00	
	For >500 To 1,000, Deduct	-13.04	
	For >1,000 To 2,000, Deduct	-19.81	
	For >2,000 To 5,000, Deduct	-32.69	
	For >5,000, Deduct	-54.14	
33 01 30 72-0109	LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	292.75	
	For Up To >10, Add	200.20	
	For >10 To 25, Add	121.63	
	For >25 To 50, Add	86.54	
	For >50 To 100, Add	43.27	
	For >500 To 1,000, Deduct	-15.18	
	For >1,000 To 2,000, Deduct	-23.03	
	For >2,000 To 5,000, Deduct	-37.93	
	For >5,000, Deduct	-62.86	
33 01 30 72-0110	LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	334.92	
	For Up To >10, Add	226.19	
	For >10 To 25, Add	136.58	
	For >25 To 50, Add	97.52	
	For >50 To 100, Add	48.76	
	For >500 To 1,000, Deduct	-17.33	
	For >1,000 To 2,000, Deduct	-26.29	
	For >2,000 To 5,000, Deduct	-43.24	
	For >5,000, Deduct	-71.68	
33 01 30 72-0111	LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	377.50	
	For Up To >10, Add	253.38	
	For >10 To 25, Add	152.54	
	For >25 To 50, Add	109.11	
	For >50 To 100, Add	54.55	
	For >500 To 1,000, Deduct	-19.52	
	For >1,000 To 2,000, Deduct	-29.61	
	For >2,000 To 5,000, Deduct	-48.66	
	For >5,000, Deduct	-80.67	
33 01 30 72-0112	LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	420.56	
	For Up To >10, Add	282.03	
	For >10 To 25, Add	169.72	
	For >25 To 50, Add	121.42	
	For >50 To 100, Add	60.71	
	For >500 To 1,000, Deduct	-21.75	
	For >1,000 To 2,000, Deduct	-32.98	
	For >2,000 To 5,000, Deduct	-54.20	
	For >5,000, Deduct	-89.85	
33 01 30 72-0113	LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	504.53	
	For Up To >10, Add	332.87	
	For >10 To 25, Add	198.67	
	For >25 To 50, Add	142.82	
	For >50 To 100, Add	71.41	
	For >500 To 1,000, Deduct	-26.03	
	For >1,000 To 2,000, Deduct	-39.45	
	For >2,000 To 5,000, Deduct	-64.73	
	For >5,000, Deduct	-107.35	
33 01 30 72-0114	LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	589.58	
	For Up To >10, Add	386.94	
	For >10 To 25, Add	230.33	
	For >25 To 50, Add	165.83	
	For >50 To 100, Add	82.92	
	For >500 To 1,000, Deduct	-30.40	
	For >1,000 To 2,000, Deduct	-46.06	
	For >2,000 To 5,000, Deduct	-75.54	
	For >5,000, Deduct	-125.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		676.21	
		<i>For Up To >10, Add</i>		445.73	
		<i>For >10 To 25, Add</i>		265.92	
		<i>For >25 To 50, Add</i>		191.21	
		<i>For >50 To 100, Add</i>		95.60	
		<i>For >500 To 1,000, Deduct</i>		-34.89	
		<i>For >1,000 To 2,000, Deduct</i>		-52.87	
		<i>For >2,000 To 5,000, Deduct</i>		-86.74	
		<i>For >5,000, Deduct</i>		-143.85	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		765.20	
		<i>For Up To >10, Add</i>		511.63	
		<i>For >10 To 25, Add</i>		307.42	
		<i>For >25 To 50, Add</i>		220.13	
		<i>For >50 To 100, Add</i>		110.07	
		<i>For >500 To 1,000, Deduct</i>		-39.55	
		<i>For >1,000 To 2,000, Deduct</i>		-59.97	
		<i>For >2,000 To 5,000, Deduct</i>		-98.53	
		<i>For >5,000, Deduct</i>		-163.36	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		861.06	
		<i>For Up To >10, Add</i>		598.13	
		<i>For >10 To 25, Add</i>		366.11	
		<i>For >25 To 50, Add</i>		259.36	
		<i>For >50 To 100, Add</i>		129.68	
		<i>For >500 To 1,000, Deduct</i>		-44.73	
		<i>For >1,000 To 2,000, Deduct</i>		-67.93	
		<i>For >2,000 To 5,000, Deduct</i>		-112.04	
		<i>For >5,000, Deduct</i>		-185.62	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		965.87	
		<i>For Up To >10, Add</i>		711.49	
		<i>For >10 To 25, Add</i>		447.16	
		<i>For >25 To 50, Add</i>		312.02	
		<i>For >50 To 100, Add</i>		156.01	
		<i>For >500 To 1,000, Deduct</i>		-50.58	
		<i>For >1,000 To 2,000, Deduct</i>		-77.01	
		<i>For >2,000 To 5,000, Deduct</i>		-127.79	
		<i>For >5,000, Deduct</i>		-211.46	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		1,077.75	
		<i>For Up To >10, Add</i>		846.08	
		<i>For >10 To 25, Add</i>		545.92	
		<i>For >25 To 50, Add</i>		375.29	
		<i>For >50 To 100, Add</i>		187.65	
		<i>For >500 To 1,000, Deduct</i>		-56.96	
		<i>For >1,000 To 2,000, Deduct</i>		-86.98	
		<i>For >2,000 To 5,000, Deduct</i>		-145.30	
		<i>For >5,000, Deduct</i>		-240.13	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		268.76	
		<i>For Up To >10, Add</i>		186.48	
		<i>For >10 To 25, Add</i>		114.08	
		<i>For >25 To 50, Add</i>		80.84	
		<i>For >50 To 100, Add</i>		40.42	
		<i>For >500 To 1,000, Deduct</i>		-13.96	
		<i>For >1,000 To 2,000, Deduct</i>		-21.20	
		<i>For >2,000 To 5,000, Deduct</i>		-34.96	
		<i>For >5,000, Deduct</i>		-57.92	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		313.84	
		<i>For Up To >10, Add</i>		213.45	
		<i>For >10 To 25, Add</i>		129.33	
		<i>For >25 To 50, Add</i>		92.16	
		<i>For >50 To 100, Add</i>		46.08	
		<i>For >500 To 1,000, Deduct</i>		-16.26	
		<i>For >1,000 To 2,000, Deduct</i>		-24.67	
		<i>For >2,000 To 5,000, Deduct</i>		-40.60	
		<i>For >5,000, Deduct</i>		-67.29	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		359.21	
		<i>For Up To >10, Add</i>		241.28	
		<i>For >10 To 25, Add</i>		145.31	
		<i>For >25 To 50, Add</i>		103.91	
		<i>For >50 To 100, Add</i>		51.96	
		<i>For >500 To 1,000, Deduct</i>		-18.58	
		<i>For >1,000 To 2,000, Deduct</i>		-28.17	
		<i>For >2,000 To 5,000, Deduct</i>		-46.31	
		<i>For >5,000, Deduct</i>		-76.78	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)		404.97	
		<i>For Up To >10, Add</i>		270.31	
		<i>For >10 To 25, Add</i>		162.29	
		<i>For >25 To 50, Add</i>		116.26	
		<i>For >50 To 100, Add</i>		58.13	
		<i>For >500 To 1,000, Deduct</i>		-20.93	
		<i>For >1,000 To 2,000, Deduct</i>		-31.73	
		<i>For >2,000 To 5,000, Deduct</i>		-52.12	
		<i>For >5,000, Deduct</i>		-86.42	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	451.24	
		<i>For Up To >10, Add</i>	300.82	
		<i>For >10 To 25, Add</i>	180.49	
		<i>For >25 To 50, Add</i>	129.35	
		<i>For >50 To 100, Add</i>	64.68	
		<i>For >500 To 1,000, Deduct</i>	-23.31	
		<i>For >1,000 To 2,000, Deduct</i>	-35.35	
		<i>For >2,000 To 5,000, Deduct</i>	-58.06	
		<i>For >5,000, Deduct</i>	-96.26	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	541.68	
		<i>For Up To >10, Add</i>	355.62	
		<i>For >10 To 25, Add</i>	211.72	
		<i>For >25 To 50, Add</i>	152.42	
		<i>For >50 To 100, Add</i>	76.21	
		<i>For >500 To 1,000, Deduct</i>	-27.93	
		<i>For >1,000 To 2,000, Deduct</i>	-42.32	
		<i>For >2,000 To 5,000, Deduct</i>	-69.41	
		<i>For >5,000, Deduct</i>	-115.12	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	633.12	
		<i>For Up To >10, Add</i>	413.39	
		<i>For >10 To 25, Add</i>	245.42	
		<i>For >25 To 50, Add</i>	176.97	
		<i>For >50 To 100, Add</i>	88.49	
		<i>For >500 To 1,000, Deduct</i>	-32.62	
		<i>For >1,000 To 2,000, Deduct</i>	-49.42	
		<i>For >2,000 To 5,000, Deduct</i>	-81.01	
		<i>For >5,000, Deduct</i>	-134.37	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	726.13	
		<i>For Up To >10, Add</i>	475.87	
		<i>For >10 To 25, Add</i>	283.05	
		<i>For >25 To 50, Add</i>	203.88	
		<i>For >50 To 100, Add</i>	101.94	
		<i>For >500 To 1,000, Deduct</i>	-37.43	
		<i>For >1,000 To 2,000, Deduct</i>	-56.72	
		<i>For >2,000 To 5,000, Deduct</i>	-93.00	
		<i>For >5,000, Deduct</i>	-154.25	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	821.78	
		<i>For Up To >10, Add</i>	546.29	
		<i>For >10 To 25, Add</i>	327.31	
		<i>For >25 To 50, Add</i>	234.76	
		<i>For >50 To 100, Add</i>	117.38	
		<i>For >500 To 1,000, Deduct</i>	-42.44	
		<i>For >1,000 To 2,000, Deduct</i>	-64.34	
		<i>For >2,000 To 5,000, Deduct</i>	-105.65	
		<i>For >5,000, Deduct</i>	-175.19	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	924.63	
		<i>For Up To >10, Add</i>	638.29	
		<i>For >10 To 25, Add</i>	389.54	
		<i>For >25 To 50, Add</i>	276.43	
		<i>For >50 To 100, Add</i>	138.22	
		<i>For >500 To 1,000, Deduct</i>	-47.99	
		<i>For >1,000 To 2,000, Deduct</i>	-72.87	
		<i>For >2,000 To 5,000, Deduct</i>	-120.11	
		<i>For >5,000, Deduct</i>	-199.00	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,036.80	
		<i>For Up To >10, Add</i>	758.25	
		<i>For >10 To 25, Add</i>	475.07	
		<i>For >25 To 50, Add</i>	332.08	
		<i>For >50 To 100, Add</i>	166.04	
		<i>For >500 To 1,000, Deduct</i>	-54.24	
		<i>For >1,000 To 2,000, Deduct</i>	-82.56	
		<i>For >2,000 To 5,000, Deduct</i>	-136.89	
		<i>For >5,000, Deduct</i>	-226.55	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,156.55	
		<i>For Up To >10, Add</i>	900.95	
		<i>For >10 To 25, Add</i>	579.55	
		<i>For >25 To 50, Add</i>	399.10	
		<i>For >50 To 100, Add</i>	199.55	
		<i>For >500 To 1,000, Deduct</i>	-61.05	
		<i>For >1,000 To 2,000, Deduct</i>	-93.19	
		<i>For >2,000 To 5,000, Deduct</i>	-155.57	
		<i>For >5,000, Deduct</i>	-257.12	
33 01 30 72-0133		22.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	285.56	
		<i>For Up To >10, Add</i>	194.88	
		<i>For >10 To 25, Add</i>	118.28	
		<i>For >25 To 50, Add</i>	84.20	
		<i>For >50 To 100, Add</i>	42.10	
		<i>For >500 To 1,000, Deduct</i>	-14.80	
		<i>For >1,000 To 2,000, Deduct</i>	-22.46	
		<i>For >2,000 To 5,000, Deduct</i>	-36.98	
		<i>For >5,000, Deduct</i>	-61.28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	333.73	
For Up To >10, Add	223.39	
For >10 To 25, Add	134.31	
For >25 To 50, Add	96.14	
For >50 To 100, Add	48.07	
For >500 To 1,000, Deduct	-17.25	
For >1,000 To 2,000, Deduct	-26.16	
For >2,000 To 5,000, Deduct	-42.99	
For >5,000, Deduct	-71.27	
33 01 30 72-0136 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	382.19	
For Up To >10, Add	252.77	
For >10 To 25, Add	151.06	
For >25 To 50, Add	108.51	
For >50 To 100, Add	54.25	
For >500 To 1,000, Deduct	-19.73	
For >1,000 To 2,000, Deduct	-29.90	
For >2,000 To 5,000, Deduct	-49.07	
For >5,000, Deduct	-81.37	
33 01 30 72-0137 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	431.05	
For Up To >10, Add	283.35	
For >10 To 25, Add	168.81	
For >25 To 50, Add	121.48	
For >50 To 100, Add	60.74	
For >500 To 1,000, Deduct	-22.23	
For >1,000 To 2,000, Deduct	-33.69	
For >2,000 To 5,000, Deduct	-55.25	
For >5,000, Deduct	-91.64	
33 01 30 72-0138 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	480.40	
For Up To >10, Add	315.40	
For >10 To 25, Add	187.78	
For >25 To 50, Add	135.18	
For >50 To 100, Add	67.59	
For >500 To 1,000, Deduct	-24.77	
For >1,000 To 2,000, Deduct	-37.53	
For >2,000 To 5,000, Deduct	-61.56	
For >5,000, Deduct	-102.10	
33 01 30 72-0139 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	577.04	
For Up To >10, Add	373.30	
For >10 To 25, Add	220.56	
For >25 To 50, Add	159.49	
For >50 To 100, Add	79.75	
For >500 To 1,000, Deduct	-29.70	
For >1,000 To 2,000, Deduct	-44.97	
For >2,000 To 5,000, Deduct	-73.65	
For >5,000, Deduct	-122.19	
33 01 30 72-0140 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	674.66	
For Up To >10, Add	434.16	
For >10 To 25, Add	255.81	
For >25 To 50, Add	185.28	
For >50 To 100, Add	92.64	
For >500 To 1,000, Deduct	-34.70	
For >1,000 To 2,000, Deduct	-52.54	
For >2,000 To 5,000, Deduct	-85.99	
For >5,000, Deduct	-142.68	
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	773.86	
For Up To >10, Add	499.73	
For >10 To 25, Add	294.99	
For >25 To 50, Add	213.43	
For >50 To 100, Add	106.71	
For >500 To 1,000, Deduct	-39.82	
For >1,000 To 2,000, Deduct	-60.30	
For >2,000 To 5,000, Deduct	-98.73	
For >5,000, Deduct	-163.80	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	875.70	
For Up To >10, Add	573.25	
For >10 To 25, Add	340.79	
For >25 To 50, Add	245.55	
For >50 To 100, Add	122.77	
For >500 To 1,000, Deduct	-45.14	
For >1,000 To 2,000, Deduct	-68.39	
For >2,000 To 5,000, Deduct	-112.12	
For >5,000, Deduct	-185.97	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	984.74	
For Up To >10, Add	668.35	
For >10 To 25, Add	404.56	
For >25 To 50, Add	288.46	
For >50 To 100, Add	144.23	
For >500 To 1,000, Deduct	-51.00	
For >1,000 To 2,000, Deduct	-77.38	
For >2,000 To 5,000, Deduct	-127.32	
For >5,000, Deduct	-211.03	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,103.09	
For Up To >10, Add	791.40	
For >10 To 25, Add	491.64	
For >25 To 50, Add	345.34	
For >50 To 100, Add	172.67	
For >500 To 1,000, Deduct	-57.55	
For >1,000 To 2,000, Deduct	-87.53	
For >2,000 To 5,000, Deduct	-144.84	
For >5,000, Deduct	-239.81	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,229.03	
			<i>For Up To >10, Add</i>	937.19	
			<i>For >10 To 25, Add</i>	597.67	
			<i>For >25 To 50, Add</i>	413.60	
			<i>For >50 To 100, Add</i>	206.80	
			<i>For >500 To 1,000, Deduct</i>	-64.68	
			<i>For >1,000 To 2,000, Deduct</i>	-98.63	
			<i>For >2,000 To 5,000, Deduct</i>	-164.26	
			<i>For >5,000, Deduct</i>	-271.62	
33 01	30 72-0146		24mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01	30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	303.30	
			<i>For Up To >10, Add</i>	206.45	
			<i>For >10 To 25, Add</i>	125.15	
			<i>For >25 To 50, Add</i>	89.16	
			<i>For >50 To 100, Add</i>	44.58	
			<i>For >500 To 1,000, Deduct</i>	-15.71	
			<i>For >1,000 To 2,000, Deduct</i>	-23.84	
			<i>For >2,000 To 5,000, Deduct</i>	-39.25	
			<i>For >5,000, Deduct</i>	-65.04	
33 01	30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	354.57	
			<i>For Up To >10, Add</i>	236.51	
			<i>For >10 To 25, Add</i>	141.95	
			<i>For >25 To 50, Add</i>	101.71	
			<i>For >50 To 100, Add</i>	50.86	
			<i>For >500 To 1,000, Deduct</i>	-18.32	
			<i>For >1,000 To 2,000, Deduct</i>	-27.78	
			<i>For >2,000 To 5,000, Deduct</i>	-45.63	
			<i>For >5,000, Deduct</i>	-75.65	
33 01	30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	406.23	
			<i>For Up To >10, Add</i>	267.74	
			<i>For >10 To 25, Add</i>	159.72	
			<i>For >25 To 50, Add</i>	114.85	
			<i>For >50 To 100, Add</i>	57.43	
			<i>For >500 To 1,000, Deduct</i>	-20.96	
			<i>For >1,000 To 2,000, Deduct</i>	-31.76	
			<i>For >2,000 To 5,000, Deduct</i>	-52.11	
			<i>For >5,000, Deduct</i>	-86.42	
33 01	30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	458.28	
			<i>For Up To >10, Add</i>	300.17	
			<i>For >10 To 25, Add</i>	178.49	
			<i>For >25 To 50, Add</i>	128.59	
			<i>For >50 To 100, Add</i>	64.29	
			<i>For >500 To 1,000, Deduct</i>	-23.62	
			<i>For >1,000 To 2,000, Deduct</i>	-35.79	
			<i>For >2,000 To 5,000, Deduct</i>	-58.69	
			<i>For >5,000, Deduct</i>	-97.34	
33 01	30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	511.02	
			<i>For Up To >10, Add</i>	334.64	
			<i>For >10 To 25, Add</i>	198.97	
			<i>For >25 To 50, Add</i>	143.35	
			<i>For >50 To 100, Add</i>	71.67	
			<i>For >500 To 1,000, Deduct</i>	-26.34	
			<i>For >1,000 To 2,000, Deduct</i>	-39.91	
			<i>For >2,000 To 5,000, Deduct</i>	-65.44	
			<i>For >5,000, Deduct</i>	-108.53	
33 01	30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	613.95	
			<i>For Up To >10, Add</i>	395.95	
			<i>For >10 To 25, Add</i>	233.57	
			<i>For >25 To 50, Add</i>	169.06	
			<i>For >50 To 100, Add</i>	84.53	
			<i>For >500 To 1,000, Deduct</i>	-31.59	
			<i>For >1,000 To 2,000, Deduct</i>	-47.83	
			<i>For >2,000 To 5,000, Deduct</i>	-78.30	
			<i>For >5,000, Deduct</i>	-129.91	
33 01	30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	745.44	
			<i>For Up To >10, Add</i>	474.22	
			<i>For >10 To 25, Add</i>	277.71	
			<i>For >25 To 50, Add</i>	201.87	
			<i>For >50 To 100, Add</i>	100.93	
			<i>For >500 To 1,000, Deduct</i>	-38.29	
			<i>For >1,000 To 2,000, Deduct</i>	-57.94	
			<i>For >2,000 To 5,000, Deduct</i>	-94.73	
			<i>For >5,000, Deduct</i>	-157.21	
33 01	30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	823.73	
			<i>For Up To >10, Add</i>	530.32	
			<i>For >10 To 25, Add</i>	312.54	
			<i>For >25 To 50, Add</i>	226.34	
			<i>For >50 To 100, Add</i>	113.17	
			<i>For >500 To 1,000, Deduct</i>	-42.37	
			<i>For >1,000 To 2,000, Deduct</i>	-64.15	
			<i>For >2,000 To 5,000, Deduct</i>	-105.01	
			<i>For >5,000, Deduct</i>	-174.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	932.26	
For Up To >10, Add	608.43	
For >10 To 25, Add	361.14	
For >25 To 50, Add	260.45	
For >50 To 100, Add	130.22	
For >500 To 1,000, Deduct	-48.04	
For >1,000 To 2,000, Deduct	-72.77	
For >2,000 To 5,000, Deduct	-119.27	
For >5,000, Deduct	-197.84	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,048.26	
For Up To >10, Add	708.96	
For >10 To 25, Add	428.41	
For >25 To 50, Add	305.76	
For >50 To 100, Add	152.88	
For >500 To 1,000, Deduct	-54.26	
For >1,000 To 2,000, Deduct	-82.32	
For >2,000 To 5,000, Deduct	-135.40	
For >5,000, Deduct	-224.44	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,174.08	
For Up To >10, Add	838.94	
For >10 To 25, Add	520.23	
For >25 To 50, Add	365.80	
For >50 To 100, Add	182.90	
For >500 To 1,000, Deduct	-61.22	
For >1,000 To 2,000, Deduct	-93.09	
For >2,000 To 5,000, Deduct	-153.99	
For >5,000, Deduct	-254.97	
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,307.77	
For Up To >10, Add	992.54	
For >10 To 25, Add	631.73	
For >25 To 50, Add	437.65	
For >50 To 100, Add	218.83	
For >500 To 1,000, Deduct	-68.78	
For >1,000 To 2,000, Deduct	-104.86	
For >2,000 To 5,000, Deduct	-174.54	
For >5,000, Deduct	-288.65	
33 01 30 72-0159 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0160 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	374.22	
For Up To >10, Add	246.34	
For >10 To 25, Add	146.86	
For >25 To 50, Add	105.64	
For >50 To 100, Add	52.82	
For >500 To 1,000, Deduct	-19.30	
For >1,000 To 2,000, Deduct	-29.25	
For >2,000 To 5,000, Deduct	-47.99	
For >5,000, Deduct	-79.58	
33 01 30 72-0161 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	428.96	
For Up To >10, Add	279.11	
For >10 To 25, Add	165.40	
For >25 To 50, Add	119.40	
For >50 To 100, Add	59.70	
For >500 To 1,000, Deduct	-22.09	
For >1,000 To 2,000, Deduct	-33.46	
For >2,000 To 5,000, Deduct	-54.84	
For >5,000, Deduct	-90.96	
33 01 30 72-0162 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	484.12	
For Up To >10, Add	313.09	
For >10 To 25, Add	184.95	
For >25 To 50, Add	133.76	
For >50 To 100, Add	66.88	
For >500 To 1,000, Deduct	-24.92	
For >1,000 To 2,000, Deduct	-37.73	
For >2,000 To 5,000, Deduct	-61.79	
For >5,000, Deduct	-102.51	
33 01 30 72-0163 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	539.95	
For Up To >10, Add	349.10	
For >10 To 25, Add	206.20	
For >25 To 50, Add	149.14	
For >50 To 100, Add	74.57	
For >500 To 1,000, Deduct	-27.79	
For >1,000 To 2,000, Deduct	-42.08	
For >2,000 To 5,000, Deduct	-68.91	
For >5,000, Deduct	-114.32	
33 01 30 72-0164 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	649.06	
For Up To >10, Add	413.51	
For >10 To 25, Add	242.34	
For >25 To 50, Add	176.08	
For >50 To 100, Add	88.04	
For >500 To 1,000, Deduct	-33.34	
For >1,000 To 2,000, Deduct	-50.46	
For >2,000 To 5,000, Deduct	-82.51	
For >5,000, Deduct	-136.93	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0165	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	759.25	
		<i>For Up To >10, Add</i>	481.13	
		<i>For >10 To 25, Add</i>	281.16	
		<i>For >25 To 50, Add</i>	204.63	
		<i>For >50 To 100, Add</i>	102.32	
		<i>For >500 To 1,000, Deduct</i>	-38.98	
		<i>For >1,000 To 2,000, Deduct</i>	-58.97	
		<i>For >2,000 To 5,000, Deduct</i>	-96.39	
		<i>For >5,000, Deduct</i>	-159.97	
33 01 30 72-0166	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	871.21	
		<i>For Up To >10, Add</i>	554.06	
		<i>For >10 To 25, Add</i>	324.41	
		<i>For >25 To 50, Add</i>	235.84	
		<i>For >50 To 100, Add</i>	117.92	
		<i>For >500 To 1,000, Deduct</i>	-44.75	
		<i>For >1,000 To 2,000, Deduct</i>	-67.71	
		<i>For >2,000 To 5,000, Deduct</i>	-110.70	
		<i>For >5,000, Deduct</i>	-183.72	
33 01 30 72-0167	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	985.93	
		<i>For Up To >10, Add</i>	635.27	
		<i>For >10 To 25, Add</i>	374.55	
		<i>For >25 To 50, Add</i>	271.18	
		<i>For >50 To 100, Add</i>	135.59	
		<i>For >500 To 1,000, Deduct</i>	-50.72	
		<i>For >1,000 To 2,000, Deduct</i>	-76.79	
		<i>For >2,000 To 5,000, Deduct</i>	-125.71	
		<i>For >5,000, Deduct</i>	-208.57	
33 01 30 72-0168	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,108.12	
		<i>For Up To >10, Add</i>	738.89	
		<i>For >10 To 25, Add</i>	443.37	
		<i>For >25 To 50, Add</i>	317.73	
		<i>For >50 To 100, Add</i>	158.87	
		<i>For >500 To 1,000, Deduct</i>	-57.25	
		<i>For >1,000 To 2,000, Deduct</i>	-86.81	
		<i>For >2,000 To 5,000, Deduct</i>	-142.59	
		<i>For >5,000, Deduct</i>	-236.41	
33 01 30 72-0169	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,240.13	
		<i>For Up To >10, Add</i>	871.97	
		<i>For >10 To 25, Add</i>	536.74	
		<i>For >25 To 50, Add</i>	379.01	
		<i>For >50 To 100, Add</i>	189.51	
		<i>For >500 To 1,000, Deduct</i>	-64.53	
		<i>For >1,000 To 2,000, Deduct</i>	-98.05	
		<i>For >2,000 To 5,000, Deduct</i>	-161.91	
		<i>For >5,000, Deduct</i>	-268.18	
33 01 30 72-0170	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,380.01	
		<i>For Up To >10, Add</i>	1,028.66	
		<i>For >10 To 25, Add</i>	649.79	
		<i>For >25 To 50, Add</i>	452.10	
		<i>For >50 To 100, Add</i>	226.05	
		<i>For >500 To 1,000, Deduct</i>	-72.39	
		<i>For >1,000 To 2,000, Deduct</i>	-110.27	
		<i>For >2,000 To 5,000, Deduct</i>	-183.21	
		<i>For >5,000, Deduct</i>	-303.09	
33 01 30 72-0171		27mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0172	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	394.92	
		<i>For Up To >10, Add</i>	259.64	
		<i>For >10 To 25, Add</i>	154.69	
		<i>For >25 To 50, Add</i>	111.32	
		<i>For >50 To 100, Add</i>	55.66	
		<i>For >500 To 1,000, Deduct</i>	-20.37	
		<i>For >1,000 To 2,000, Deduct</i>	-30.86	
		<i>For >2,000 To 5,000, Deduct</i>	-50.62	
		<i>For >5,000, Deduct</i>	-83.96	
33 01 30 72-0173	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.86	
		<i>For Up To >10, Add</i>	294.26	
		<i>For >10 To 25, Add</i>	174.26	
		<i>For >25 To 50, Add</i>	125.84	
		<i>For >50 To 100, Add</i>	62.92	
		<i>For >500 To 1,000, Deduct</i>	-23.32	
		<i>For >1,000 To 2,000, Deduct</i>	-35.32	
		<i>For >2,000 To 5,000, Deduct</i>	-57.87	
		<i>For >5,000, Deduct</i>	-96.00	
33 01 30 72-0174	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	511.30	
		<i>For Up To >10, Add</i>	330.35	
		<i>For >10 To 25, Add</i>	195.06	
		<i>For >25 To 50, Add</i>	141.10	
		<i>For >50 To 100, Add</i>	70.55	
		<i>For >500 To 1,000, Deduct</i>	-26.31	
		<i>For >1,000 To 2,000, Deduct</i>	-39.84	
		<i>For >2,000 To 5,000, Deduct</i>	-65.24	
		<i>For >5,000, Deduct</i>	-108.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0175	LF		27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	570.33	
			For Up To >10, Add	368.24	
			For >10 To 25, Add	217.35	
			For >25 To 50, Add	157.27	
			For >50 To 100, Add	78.63	
			For >500 To 1,000, Deduct	-29.35	
			For >1,000 To 2,000, Deduct	-44.44	
			For >2,000 To 5,000, Deduct	-72.76	
			For >5,000, Deduct	-120.71	
33 01 30 72-0176	LF		27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	685.82	
			For Up To >10, Add	436.31	
			For >10 To 25, Add	255.52	
			For >25 To 50, Add	185.73	
			For >50 To 100, Add	92.87	
			For >500 To 1,000, Deduct	-35.23	
			For >1,000 To 2,000, Deduct	-53.30	
			For >2,000 To 5,000, Deduct	-87.16	
			For >5,000, Deduct	-144.64	
33 01 30 72-0177	LF		27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	802.49	
			For Up To >10, Add	507.90	
			For >10 To 25, Add	296.61	
			For >25 To 50, Add	215.96	
			For >50 To 100, Add	107.98	
			For >500 To 1,000, Deduct	-41.19	
			For >1,000 To 2,000, Deduct	-62.32	
			For >2,000 To 5,000, Deduct	-101.84	
			For >5,000, Deduct	-169.03	
33 01 30 72-0178	LF		27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	920.94	
			For Up To >10, Add	584.82	
			For >10 To 25, Add	342.15	
			For >25 To 50, Add	248.85	
			For >50 To 100, Add	124.43	
			For >500 To 1,000, Deduct	-47.29	
			For >1,000 To 2,000, Deduct	-71.56	
			For >2,000 To 5,000, Deduct	-116.98	
			For >5,000, Deduct	-194.14	
33 01 30 72-0179	LF		27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,042.13	
			For Up To >10, Add	669.99	
			For >10 To 25, Add	394.57	
			For >25 To 50, Add	285.87	
			For >50 To 100, Add	142.93	
			For >500 To 1,000, Deduct	-53.60	
			For >1,000 To 2,000, Deduct	-81.14	
			For >2,000 To 5,000, Deduct	-132.80	
			For >5,000, Deduct	-220.34	
33 01 30 72-0180	LF		27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,171.49	
			For Up To >10, Add	779.65	
			For >10 To 25, Add	467.38	
			For >25 To 50, Add	335.13	
			For >50 To 100, Add	167.56	
			For >500 To 1,000, Deduct	-60.51	
			For >1,000 To 2,000, Deduct	-91.74	
			For >2,000 To 5,000, Deduct	-150.66	
			For >5,000, Deduct	-249.81	
33 01 30 72-0181	LF		27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,311.08	
			For Up To >10, Add	919.99	
			For >10 To 25, Add	565.78	
			For >25 To 50, Add	399.73	
			For >50 To 100, Add	199.87	
			For >500 To 1,000, Deduct	-68.20	
			For >1,000 To 2,000, Deduct	-103.62	
			For >2,000 To 5,000, Deduct	-171.08	
			For >5,000, Deduct	-283.37	
33 01 30 72-0182	LF		27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,458.91	
			For Up To >10, Add	1,085.08	
			For >10 To 25, Add	684.79	
			For >25 To 50, Add	476.71	
			For >50 To 100, Add	238.35	
			For >500 To 1,000, Deduct	-76.50	
			For >1,000 To 2,000, Deduct	-116.53	
			For >2,000 To 5,000, Deduct	-193.56	
			For >5,000, Deduct	-320.23	
33 01 30 72-0183			28.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0184	LF		28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	475.36	
			For Up To >10, Add	305.51	
			For >10 To 25, Add	179.88	
			For >25 To 50, Add	130.34	
			For >50 To 100, Add	65.17	
			For >500 To 1,000, Deduct	-24.45	
			For >1,000 To 2,000, Deduct	-37.01	
			For >2,000 To 5,000, Deduct	-60.57	
			For >5,000, Deduct	-100.50	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0185	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	536.88	
		<i>For Up To >10, Add</i>	343.14	
		<i>For >10 To 25, Add</i>	201.45	
		<i>For >25 To 50, Add</i>	146.22	
		<i>For >50 To 100, Add</i>	73.11	
		<i>For >500 To 1,000, Deduct</i>	-27.59	
		<i>For >1,000 To 2,000, Deduct</i>	-41.76	
		<i>For >2,000 To 5,000, Deduct</i>	-68.31	
		<i>For >5,000, Deduct</i>	-113.35	
33 01 30 72-0186	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	599.01	
		<i>For Up To >10, Add</i>	382.58	
		<i>For >10 To 25, Add</i>	224.52	
		<i>For >25 To 50, Add</i>	163.00	
		<i>For >50 To 100, Add</i>	81.50	
		<i>For >500 To 1,000, Deduct</i>	-30.78	
		<i>For >1,000 To 2,000, Deduct</i>	-46.59	
		<i>For >2,000 To 5,000, Deduct</i>	-76.20	
		<i>For >5,000, Deduct</i>	-126.45	
33 01 30 72-0187	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	757.30	
		<i>For Up To >10, Add</i>	476.70	
		<i>For >10 To 25, Add</i>	277.57	
		<i>For >25 To 50, Add</i>	202.45	
		<i>For >50 To 100, Add</i>	101.22	
		<i>For >500 To 1,000, Deduct</i>	-38.85	
		<i>For >1,000 To 2,000, Deduct</i>	-58.76	
		<i>For >2,000 To 5,000, Deduct</i>	-95.97	
		<i>For >5,000, Deduct</i>	-159.30	
33 01 30 72-0188	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	843.54	
		<i>For Up To >10, Add</i>	528.42	
		<i>For >10 To 25, Add</i>	306.87	
		<i>For >25 To 50, Add</i>	224.17	
		<i>For >50 To 100, Add</i>	112.08	
		<i>For >500 To 1,000, Deduct</i>	-43.24	
		<i>For >1,000 To 2,000, Deduct</i>	-65.40	
		<i>For >2,000 To 5,000, Deduct</i>	-106.77	
		<i>For >5,000, Deduct</i>	-177.24	
33 01 30 72-0189	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	968.18	
		<i>For Up To >10, Add</i>	608.44	
		<i>For >10 To 25, Add</i>	353.96	
		<i>For >25 To 50, Add</i>	258.30	
		<i>For >50 To 100, Add</i>	129.15	
		<i>For >500 To 1,000, Deduct</i>	-49.65	
		<i>For >1,000 To 2,000, Deduct</i>	-75.10	
		<i>For >2,000 To 5,000, Deduct</i>	-122.65	
		<i>For >5,000, Deduct</i>	-203.58	
33 01 30 72-0190	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,095.75	
		<i>For Up To >10, Add</i>	697.28	
		<i>For >10 To 25, Add</i>	408.40	
		<i>For >25 To 50, Add</i>	296.84	
		<i>For >50 To 100, Add</i>	148.42	
		<i>For >500 To 1,000, Deduct</i>	-56.28	
		<i>For >1,000 To 2,000, Deduct</i>	-85.17	
		<i>For >2,000 To 5,000, Deduct</i>	-139.26	
		<i>For >5,000, Deduct</i>	-231.10	
33 01 30 72-0191	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,231.11	
		<i>For Up To >10, Add</i>	809.46	
		<i>For >10 To 25, Add</i>	482.29	
		<i>For >25 To 50, Add</i>	347.05	
		<i>For >50 To 100, Add</i>	173.53	
		<i>For >500 To 1,000, Deduct</i>	-63.49	
		<i>For >1,000 To 2,000, Deduct</i>	-96.21	
		<i>For >2,000 To 5,000, Deduct</i>	-157.82	
		<i>For >5,000, Deduct</i>	-261.73	
33 01 30 72-0192	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,376.88	
		<i>For Up To >10, Add</i>	952.89	
		<i>For >10 To 25, Add</i>	582.23	
		<i>For >25 To 50, Add</i>	412.89	
		<i>For >50 To 100, Add</i>	206.45	
		<i>For >500 To 1,000, Deduct</i>	-71.49	
		<i>For >1,000 To 2,000, Deduct</i>	-108.56	
		<i>For >2,000 To 5,000, Deduct</i>	-178.98	
		<i>For >5,000, Deduct</i>	-296.53	
33 01 30 72-0193	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,530.90	
		<i>For Up To >10, Add</i>	1,121.08	
		<i>For >10 To 25, Add</i>	702.79	
		<i>For >25 To 50, Add</i>	491.11	
		<i>For >50 To 100, Add</i>	245.55	
		<i>For >500 To 1,000, Deduct</i>	-80.10	
		<i>For >1,000 To 2,000, Deduct</i>	-121.93	
		<i>For >2,000 To 5,000, Deduct</i>	-202.20	
		<i>For >5,000, Deduct</i>	-334.63	

33 01 30 72-0194 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0195	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	499.11	
			For Up To >10, Add	320.83	
			For >10 To 25, Add	188.93	
			For >25 To 50, Add	136.89	
			For >50 To 100, Add	68.44	
			For >500 To 1,000, Deduct	-25.67	
			For >1,000 To 2,000, Deduct	-38.86	
			For >2,000 To 5,000, Deduct	-63.60	
			For >5,000, Deduct	-105.52	
33 01 30 72-0196	LF		30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	563.83	
			For Up To >10, Add	360.32	
			For >10 To 25, Add	211.52	
			For >25 To 50, Add	153.53	
			For >50 To 100, Add	76.77	
			For >500 To 1,000, Deduct	-28.98	
			For >1,000 To 2,000, Deduct	-43.86	
			For >2,000 To 5,000, Deduct	-71.74	
			For >5,000, Deduct	-119.04	
33 01 30 72-0197	LF		30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	629.23	
			For Up To >10, Add	401.84	
			For >10 To 25, Add	235.81	
			For >25 To 50, Add	171.20	
			For >50 To 100, Add	85.60	
			For >500 To 1,000, Deduct	-32.33	
			For >1,000 To 2,000, Deduct	-48.94	
			For >2,000 To 5,000, Deduct	-80.04	
			For >5,000, Deduct	-132.82	
33 01 30 72-0198	LF		30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	757.30	
			For Up To >10, Add	476.70	
			For >10 To 25, Add	277.57	
			For >25 To 50, Add	202.45	
			For >50 To 100, Add	101.22	
			For >500 To 1,000, Deduct	-38.85	
			For >1,000 To 2,000, Deduct	-58.76	
			For >2,000 To 5,000, Deduct	-95.97	
			For >5,000, Deduct	-159.30	
33 01 30 72-0199	LF		30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	886.64	
			For Up To >10, Add	555.37	
			For >10 To 25, Add	322.51	
			For >25 To 50, Add	235.59	
			For >50 To 100, Add	117.80	
			For >500 To 1,000, Deduct	-45.45	
			For >1,000 To 2,000, Deduct	-68.74	
			For >2,000 To 5,000, Deduct	-112.22	
			For >5,000, Deduct	-186.29	
33 01 30 72-0200	LF		30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,017.86	
			For Up To >10, Add	639.68	
			For >10 To 25, Add	372.14	
			For >25 To 50, Add	271.56	
			For >50 To 100, Add	135.78	
			For >500 To 1,000, Deduct	-52.20	
			For >1,000 To 2,000, Deduct	-78.95	
			For >2,000 To 5,000, Deduct	-128.94	
			For >5,000, Deduct	-214.03	
33 01 30 72-0201	LF		30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,152.02	
			For Up To >10, Add	732.81	
			For >10 To 25, Add	429.13	
			For >25 To 50, Add	311.94	
			For >50 To 100, Add	155.97	
			For >500 To 1,000, Deduct	-59.17	
			For >1,000 To 2,000, Deduct	-89.54	
			For >2,000 To 5,000, Deduct	-146.40	
			For >5,000, Deduct	-242.95	
33 01 30 72-0202	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,294.54	
			For Up To >10, Add	851.02	
			For >10 To 25, Add	507.01	
			For >25 To 50, Add	364.86	
			For >50 To 100, Add	182.43	
			For >500 To 1,000, Deduct	-66.76	
			For >1,000 To 2,000, Deduct	-101.17	
			For >2,000 To 5,000, Deduct	-165.94	
			For >5,000, Deduct	-275.21	
33 01 30 72-0203	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,447.86	
			For Up To >10, Add	1,001.63	
			For >10 To 25, Add	611.90	
			For >25 To 50, Add	433.98	
			For >50 To 100, Add	216.99	
			For >500 To 1,000, Deduct	-75.17	
			For >1,000 To 2,000, Deduct	-114.14	
			For >2,000 To 5,000, Deduct	-188.18	
			For >5,000, Deduct	-311.79	
33 01 30 72-0204	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,609.84	
			For Up To >10, Add	1,178.22	
			For >10 To 25, Add	738.43	
			For >25 To 50, Add	516.08	
			For >50 To 100, Add	258.04	
			For >500 To 1,000, Deduct	-84.23	
			For >1,000 To 2,000, Deduct	-128.20	
			For >2,000 To 5,000, Deduct	-212.59	
			For >5,000, Deduct	-351.83	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0205		31.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
	33 01 30 72-0206	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	521.36	
			For Up To >10, Add	331.96	
			For >10 To 25, Add	194.49	
			For >25 To 50, Add	141.34	
			For >50 To 100, Add	70.67	
			For >500 To 1,000, Deduct	-26.78	
			For >1,000 To 2,000, Deduct	-40.53	
			For >2,000 To 5,000, Deduct	-66.27	
			For >5,000, Deduct	-109.97	
	33 01 30 72-0207	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	589.18	
			For Up To >10, Add	372.99	
			For >10 To 25, Add	217.86	
			For >25 To 50, Add	158.60	
			For >50 To 100, Add	79.30	
			For >500 To 1,000, Deduct	-30.24	
			For >1,000 To 2,000, Deduct	-45.76	
			For >2,000 To 5,000, Deduct	-74.78	
			For >5,000, Deduct	-124.11	
	33 01 30 72-0208	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	657.67	
			For Up To >10, Add	416.06	
			For >10 To 25, Add	242.92	
			For >25 To 50, Add	176.89	
			For >50 To 100, Add	88.45	
			For >500 To 1,000, Deduct	-33.76	
			For >1,000 To 2,000, Deduct	-51.07	
			For >2,000 To 5,000, Deduct	-83.46	
			For >5,000, Deduct	-138.51	
	33 01 30 72-0209	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	791.93	
			For Up To >10, Add	494.02	
			For >10 To 25, Add	286.23	
			For >25 To 50, Add	209.37	
			For >50 To 100, Add	104.69	
			For >500 To 1,000, Deduct	-40.58	
			For >1,000 To 2,000, Deduct	-61.36	
			For >2,000 To 5,000, Deduct	-100.13	
			For >5,000, Deduct	-166.23	
	33 01 30 72-0210	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	927.45	
			For Up To >10, Add	575.78	
			For >10 To 25, Add	332.71	
			For >25 To 50, Add	243.76	
			For >50 To 100, Add	121.88	
			For >500 To 1,000, Deduct	-47.49	
			For >1,000 To 2,000, Deduct	-71.80	
			For >2,000 To 5,000, Deduct	-117.12	
			For >5,000, Deduct	-194.45	
	33 01 30 72-0211	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,064.86	
			For Up To >10, Add	663.18	
			For >10 To 25, Add	383.89	
			For >25 To 50, Add	280.96	
			For >50 To 100, Add	140.48	
			For >500 To 1,000, Deduct	-54.55	
			For >1,000 To 2,000, Deduct	-82.48	
			For >2,000 To 5,000, Deduct	-134.58	
			For >5,000, Deduct	-223.43	
	33 01 30 72-0212	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,205.21	
			For Up To >10, Add	759.41	
			For >10 To 25, Add	442.42	
			For >25 To 50, Add	322.58	
			For >50 To 100, Add	161.29	
			For >500 To 1,000, Deduct	-61.83	
			For >1,000 To 2,000, Deduct	-93.53	
			For >2,000 To 5,000, Deduct	-152.78	
			For >5,000, Deduct	-253.59	
	33 01 30 72-0213	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,353.91	
			For Up To >10, Add	880.71	
			For >10 To 25, Add	521.85	
			For >25 To 50, Add	376.73	
			For >50 To 100, Add	188.37	
			For >500 To 1,000, Deduct	-69.73	
			For >1,000 To 2,000, Deduct	-105.62	
			For >2,000 To 5,000, Deduct	-173.06	
			For >5,000, Deduct	-287.08	
	33 01 30 72-0214	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,513.42	
			For Up To >10, Add	1,034.41	
			For >10 To 25, Add	628.29	
			For >25 To 50, Add	447.09	
			For >50 To 100, Add	223.54	
			For >500 To 1,000, Deduct	-78.45	
			For >1,000 To 2,000, Deduct	-119.06	
			For >2,000 To 5,000, Deduct	-196.05	
			For >5,000, Deduct	-324.90	
	33 01 30 72-0215	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,692.05	
			For Up To >10, Add	1,219.33	
			For >10 To 25, Add	758.98	
			For >25 To 50, Add	532.53	
			For >50 To 100, Add	266.26	
			For >500 To 1,000, Deduct	-88.34	
			For >1,000 To 2,000, Deduct	-134.37	
			For >2,000 To 5,000, Deduct	-222.46	
			For >5,000, Deduct	-368.27	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0216	33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0217	LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	544.97	
	For Up To >10, Add	347.46	
	For >10 To 25, Add	203.72	
	For >25 To 50, Add	147.98	
	For >50 To 100, Add	73.99	
	For >500 To 1,000, Deduct	-28.00	
	For >1,000 To 2,000, Deduct	-42.37	
	For >2,000 To 5,000, Deduct	-69.30	
	For >5,000, Deduct	-114.99	
33 01 30 72-0218	LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	615.97	
	For Up To >10, Add	390.31	
	For >10 To 25, Add	228.09	
	For >25 To 50, Add	166.00	
	For >50 To 100, Add	83.00	
	For >500 To 1,000, Deduct	-31.62	
	For >1,000 To 2,000, Deduct	-47.84	
	For >2,000 To 5,000, Deduct	-78.20	
	For >5,000, Deduct	-129.78	
33 01 30 72-0219	LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	687.67	
	For Up To >10, Add	435.26	
	For >10 To 25, Add	254.20	
	For >25 To 50, Add	185.08	
	For >50 To 100, Add	92.54	
	For >500 To 1,000, Deduct	-35.30	
	For >1,000 To 2,000, Deduct	-53.40	
	For >2,000 To 5,000, Deduct	-87.27	
	For >5,000, Deduct	-144.85	
33 01 30 72-0220	LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	828.40	
	For Up To >10, Add	517.18	
	For >10 To 25, Add	299.78	
	For >25 To 50, Add	219.23	
	For >50 To 100, Add	109.61	
	For >500 To 1,000, Deduct	-42.45	
	For >1,000 To 2,000, Deduct	-64.19	
	For >2,000 To 5,000, Deduct	-104.76	
	For >5,000, Deduct	-173.92	
33 01 30 72-0221	LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	970.41	
	For Up To >10, Add	602.93	
	For >10 To 25, Add	348.56	
	For >25 To 50, Add	255.30	
	For >50 To 100, Add	127.65	
	For >500 To 1,000, Deduct	-49.70	
	For >1,000 To 2,000, Deduct	-75.14	
	For >2,000 To 5,000, Deduct	-122.57	
	For >5,000, Deduct	-203.50	
33 01 30 72-0222	LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,114.30	
	For Up To >10, Add	694.30	
	For >10 To 25, Add	402.01	
	For >25 To 50, Add	294.18	
	For >50 To 100, Add	147.09	
	For >500 To 1,000, Deduct	-57.09	
	For >1,000 To 2,000, Deduct	-86.32	
	For >2,000 To 5,000, Deduct	-140.85	
	For >5,000, Deduct	-233.83	
33 01 30 72-0223	LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,261.41	
	For Up To >10, Add	795.36	
	For >10 To 25, Add	463.54	
	For >25 To 50, Add	337.90	
	For >50 To 100, Add	168.95	
	For >500 To 1,000, Deduct	-64.72	
	For >1,000 To 2,000, Deduct	-97.90	
	For >2,000 To 5,000, Deduct	-159.93	
	For >5,000, Deduct	-265.45	
33 01 30 72-0224	LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,417.20	
	For Up To >10, Add	922.43	
	For >10 To 25, Add	546.74	
	For >25 To 50, Add	394.63	
	For >50 To 100, Add	197.31	
	For >500 To 1,000, Deduct	-73.00	
	For >1,000 To 2,000, Deduct	-110.57	
	For >2,000 To 5,000, Deduct	-181.18	
	For >5,000, Deduct	-300.55	
33 01 30 72-0225	LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,584.37	
	For Up To >10, Add	1,083.66	
	For >10 To 25, Add	658.42	
	For >25 To 50, Add	468.44	
	For >50 To 100, Add	234.22	
	For >500 To 1,000, Deduct	-82.13	
	For >1,000 To 2,000, Deduct	-124.66	
	For >2,000 To 5,000, Deduct	-205.28	
	For >5,000, Deduct	-340.19	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0226	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,760.68	
			<i>For Up To >10, Add</i>	1,272.32	
			<i>For >10 To 25, Add</i>	792.95	
			<i>For >25 To 50, Add</i>	555.96	
			<i>For >50 To 100, Add</i>	277.98	
			<i>For >500 To 1,000, Deduct</i>	-91.95	
			<i>For >1,000 To 2,000, Deduct</i>	-139.89	
			<i>For >2,000 To 5,000, Deduct</i>	-231.66	
			<i>For >5,000, Deduct</i>	-383.49	
33 01	30 72-0227		34.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01	30 72-0228	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	641.07	
			<i>For Up To >10, Add</i>	402.86	
			<i>For >10 To 25, Add</i>	234.36	
			<i>For >25 To 50, Add</i>	171.02	
			<i>For >50 To 100, Add</i>	85.51	
			<i>For >500 To 1,000, Deduct</i>	-32.88	
			<i>For >1,000 To 2,000, Deduct</i>	-49.73	
			<i>For >2,000 To 5,000, Deduct</i>	-81.21	
			<i>For >5,000, Deduct</i>	-134.80	
33 01	30 72-0229	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	715.86	
			<i>For Up To >10, Add</i>	449.36	
			<i>For >10 To 25, Add</i>	261.25	
			<i>For >25 To 50, Add</i>	190.71	
			<i>For >50 To 100, Add</i>	95.36	
			<i>For >500 To 1,000, Deduct</i>	-36.71	
			<i>For >1,000 To 2,000, Deduct</i>	-55.52	
			<i>For >2,000 To 5,000, Deduct</i>	-90.66	
			<i>For >5,000, Deduct</i>	-150.49	
33 01	30 72-0230	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	862.78	
			<i>For Up To >10, Add</i>	534.37	
			<i>For >10 To 25, Add</i>	308.37	
			<i>For >25 To 50, Add</i>	226.10	
			<i>For >50 To 100, Add</i>	113.05	
			<i>For >500 To 1,000, Deduct</i>	-44.17	
			<i>For >1,000 To 2,000, Deduct</i>	-66.77	
			<i>For >2,000 To 5,000, Deduct</i>	-108.89	
			<i>For >5,000, Deduct</i>	-180.79	
33 01	30 72-0231	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,010.98	
			<i>For Up To >10, Add</i>	623.22	
			<i>For >10 To 25, Add</i>	358.70	
			<i>For >25 To 50, Add</i>	263.41	
			<i>For >50 To 100, Add</i>	131.71	
			<i>For >500 To 1,000, Deduct</i>	-51.73	
			<i>For >1,000 To 2,000, Deduct</i>	-78.18	
			<i>For >2,000 To 5,000, Deduct</i>	-127.44	
			<i>For >5,000, Deduct</i>	-211.61	
33 01	30 72-0232	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,161.05	
			<i>For Up To >10, Add</i>	717.68	
			<i>For >10 To 25, Add</i>	413.70	
			<i>For >25 To 50, Add</i>	303.53	
			<i>For >50 To 100, Add</i>	151.76	
			<i>For >500 To 1,000, Deduct</i>	-59.42	
			<i>For >1,000 To 2,000, Deduct</i>	-89.82	
			<i>For >2,000 To 5,000, Deduct</i>	-146.46	
			<i>For >5,000, Deduct</i>	-243.18	
33 01	30 72-0233	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,314.36	
			<i>For Up To >10, Add</i>	821.83	
			<i>For >10 To 25, Add</i>	476.78	
			<i>For >25 To 50, Add</i>	348.49	
			<i>For >50 To 100, Add</i>	174.25	
			<i>For >500 To 1,000, Deduct</i>	-67.36	
			<i>For >1,000 To 2,000, Deduct</i>	-101.87	
			<i>For >2,000 To 5,000, Deduct</i>	-166.29	
			<i>For >5,000, Deduct</i>	-276.04	
33 01	30 72-0234	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,476.33	
			<i>For Up To >10, Add</i>	951.99	
			<i>For >10 To 25, Add</i>	561.53	
			<i>For >25 To 50, Add</i>	406.46	
			<i>For >50 To 100, Add</i>	203.23	
			<i>For >500 To 1,000, Deduct</i>	-75.95	
			<i>For >1,000 To 2,000, Deduct</i>	-115.00	
			<i>For >2,000 To 5,000, Deduct</i>	-188.28	
			<i>For >5,000, Deduct</i>	-312.37	
33 01	30 72-0235	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,649.68	
			<i>For Up To >10, Add</i>	1,116.32	
			<i>For >10 To 25, Add</i>	674.75	
			<i>For >25 To 50, Add</i>	481.50	
			<i>For >50 To 100, Add</i>	240.75	
			<i>For >500 To 1,000, Deduct</i>	-85.40	
			<i>For >1,000 To 2,000, Deduct</i>	-129.56	
			<i>For >2,000 To 5,000, Deduct</i>	-213.12	
			<i>For >5,000, Deduct</i>	-353.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0236	LF		34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,832.18	
			<i>For Up To >10, Add</i>	1,308.07	
			<i>For >10 To 25, Add</i>	810.82	
			<i>For >25 To 50, Add</i>	570.26	
			<i>For >50 To 100, Add</i>	285.13	
			<i>For >500 To 1,000, Deduct</i>	-95.53	
			<i>For >1,000 To 2,000, Deduct</i>	-145.25	
			<i>For >2,000 To 5,000, Deduct</i>	-240.24	
			<i>For >5,000, Deduct</i>	-397.79	
33 01 30 72-0237			36mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0238	LF		36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	667.72	
			<i>For Up To >10, Add</i>	420.36	
			<i>For >10 To 25, Add</i>	244.78	
			<i>For >25 To 50, Add</i>	178.52	
			<i>For >50 To 100, Add</i>	89.26	
			<i>For >500 To 1,000, Deduct</i>	-34.25	
			<i>For >1,000 To 2,000, Deduct</i>	-51.81	
			<i>For >2,000 To 5,000, Deduct</i>	-84.62	
			<i>For >5,000, Deduct</i>	-140.46	
33 01 30 72-0239	LF		36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	745.79	
			<i>For Up To >10, Add</i>	468.97	
			<i>For >10 To 25, Add</i>	272.92	
			<i>For >25 To 50, Add</i>	199.12	
			<i>For >50 To 100, Add</i>	99.56	
			<i>For >500 To 1,000, Deduct</i>	-38.25	
			<i>For >1,000 To 2,000, Deduct</i>	-57.86	
			<i>For >2,000 To 5,000, Deduct</i>	-94.49	
			<i>For >5,000, Deduct</i>	-156.84	
33 01 30 72-0240	LF		36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	899.10	
			<i>For Up To >10, Add</i>	557.68	
			<i>For >10 To 25, Add</i>	322.09	
			<i>For >25 To 50, Add</i>	236.05	
			<i>For >50 To 100, Add</i>	118.02	
			<i>For >500 To 1,000, Deduct</i>	-46.04	
			<i>For >1,000 To 2,000, Deduct</i>	-69.60	
			<i>For >2,000 To 5,000, Deduct</i>	-113.51	
			<i>For >5,000, Deduct</i>	-188.47	
33 01 30 72-0241	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,053.79	
			<i>For Up To >10, Add</i>	650.52	
			<i>For >10 To 25, Add</i>	374.71	
			<i>For >25 To 50, Add</i>	275.04	
			<i>For >50 To 100, Add</i>	137.52	
			<i>For >500 To 1,000, Deduct</i>	-53.93	
			<i>For >1,000 To 2,000, Deduct</i>	-81.51	
			<i>For >2,000 To 5,000, Deduct</i>	-132.88	
			<i>For >5,000, Deduct</i>	-220.65	
33 01 30 72-0242	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,210.44	
			<i>For Up To >10, Add</i>	749.25	
			<i>For >10 To 25, Add</i>	432.23	
			<i>For >25 To 50, Add</i>	316.98	
			<i>For >50 To 100, Add</i>	158.49	
			<i>For >500 To 1,000, Deduct</i>	-61.96	
			<i>For >1,000 To 2,000, Deduct</i>	-93.66	
			<i>For >2,000 To 5,000, Deduct</i>	-152.74	
			<i>For >5,000, Deduct</i>	-253.61	
33 01 30 72-0243	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,370.53	
			<i>For Up To >10, Add</i>	858.29	
			<i>For >10 To 25, Add</i>	498.36	
			<i>For >25 To 50, Add</i>	364.08	
			<i>For >50 To 100, Add</i>	182.04	
			<i>For >500 To 1,000, Deduct</i>	-70.26	
			<i>For >1,000 To 2,000, Deduct</i>	-106.25	
			<i>For >2,000 To 5,000, Deduct</i>	-173.46	
			<i>For >5,000, Deduct</i>	-287.95	
33 01 30 72-0244	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,539.65	
			<i>For Up To >10, Add</i>	994.45	
			<i>For >10 To 25, Add</i>	587.08	
			<i>For >25 To 50, Add</i>	424.74	
			<i>For >50 To 100, Add</i>	212.37	
			<i>For >500 To 1,000, Deduct</i>	-79.23	
			<i>For >1,000 To 2,000, Deduct</i>	-119.97	
			<i>For >2,000 To 5,000, Deduct</i>	-196.44	
			<i>For >5,000, Deduct</i>	-325.90	
33 01 30 72-0245	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,720.78	
			<i>For Up To >10, Add</i>	1,166.62	
			<i>For >10 To 25, Add</i>	705.80	
			<i>For >25 To 50, Add</i>	503.39	
			<i>For >50 To 100, Add</i>	251.70	
			<i>For >500 To 1,000, Deduct</i>	-89.10	
			<i>For >1,000 To 2,000, Deduct</i>	-135.18	
			<i>For >2,000 To 5,000, Deduct</i>	-222.42	
			<i>For >5,000, Deduct</i>	-368.65	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0246	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,911.43	
			<i>For Up To >10, Add</i>	1,367.34	
			<i>For >10 To 25, Add</i>	848.32	
			<i>For >25 To 50, Add</i>	596.33	
			<i>For >50 To 100, Add</i>	298.17	
			<i>For >500 To 1,000, Deduct</i>	-99.69	
			<i>For >1,000 To 2,000, Deduct</i>	-151.59	
			<i>For >2,000 To 5,000, Deduct</i>	-250.78	
			<i>For >5,000, Deduct</i>	-415.22	
33 01 30 72-0247			37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0248	LF		37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	773.74	
			<i>For Up To >10, Add</i>	482.95	
			<i>For >10 To 25, Add</i>	279.90	
			<i>For >25 To 50, Add</i>	204.71	
			<i>For >50 To 100, Add</i>	102.35	
			<i>For >500 To 1,000, Deduct</i>	-39.65	
			<i>For >1,000 To 2,000, Deduct</i>	-59.95	
			<i>For >2,000 To 5,000, Deduct</i>	-97.84	
			<i>For >5,000, Deduct</i>	-162.43	
33 01 30 72-0249	LF		37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	933.24	
			<i>For Up To >10, Add</i>	574.75	
			<i>For >10 To 25, Add</i>	330.62	
			<i>For >25 To 50, Add</i>	242.87	
			<i>For >50 To 100, Add</i>	121.44	
			<i>For >500 To 1,000, Deduct</i>	-47.74	
			<i>For >1,000 To 2,000, Deduct</i>	-72.16	
			<i>For >2,000 To 5,000, Deduct</i>	-117.61	
			<i>For >5,000, Deduct</i>	-195.30	
33 01 30 72-0250	LF		37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,094.11	
			<i>For Up To >10, Add</i>	670.68	
			<i>For >10 To 25, Add</i>	384.79	
			<i>For >25 To 50, Add</i>	283.11	
			<i>For >50 To 100, Add</i>	141.55	
			<i>For >500 To 1,000, Deduct</i>	-55.94	
			<i>For >1,000 To 2,000, Deduct</i>	-84.53	
			<i>For >2,000 To 5,000, Deduct</i>	-137.72	
			<i>For >5,000, Deduct</i>	-228.71	
33 01 30 72-0251	LF		37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,256.95	
			<i>For Up To >10, Add</i>	772.50	
			<i>For >10 To 25, Add</i>	443.86	
			<i>For >25 To 50, Add</i>	326.28	
			<i>For >50 To 100, Add</i>	163.14	
			<i>For >500 To 1,000, Deduct</i>	-64.29	
			<i>For >1,000 To 2,000, Deduct</i>	-97.15	
			<i>For >2,000 To 5,000, Deduct</i>	-158.32	
			<i>For >5,000, Deduct</i>	-262.91	
33 01 30 72-0252	LF		37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,423.23	
			<i>For Up To >10, Add</i>	884.64	
			<i>For >10 To 25, Add</i>	511.53	
			<i>For >25 To 50, Add</i>	374.62	
			<i>For >50 To 100, Add</i>	187.31	
			<i>For >500 To 1,000, Deduct</i>	-72.89	
			<i>For >1,000 To 2,000, Deduct</i>	-110.20	
			<i>For >2,000 To 5,000, Deduct</i>	-179.78	
			<i>For >5,000, Deduct</i>	-298.49	
33 01 30 72-0253	LF		37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,598.54	
			<i>For Up To >10, Add</i>	1,023.90	
			<i>For >10 To 25, Add</i>	601.80	
			<i>For >25 To 50, Add</i>	436.51	
			<i>For >50 To 100, Add</i>	218.26	
			<i>For >500 To 1,000, Deduct</i>	-82.17	
			<i>For >1,000 To 2,000, Deduct</i>	-124.38	
			<i>For >2,000 To 5,000, Deduct</i>	-203.51	
			<i>For >5,000, Deduct</i>	-337.68	
33 01 30 72-0254	LF		37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,785.85	
			<i>For Up To >10, Add</i>	1,199.15	
			<i>For >10 To 25, Add</i>	722.07	
			<i>For >25 To 50, Add</i>	516.41	
			<i>For >50 To 100, Add</i>	258.20	
			<i>For >500 To 1,000, Deduct</i>	-92.35	
			<i>For >1,000 To 2,000, Deduct</i>	-140.06	
			<i>For >2,000 To 5,000, Deduct</i>	-230.23	
			<i>For >5,000, Deduct</i>	-381.67	
33 01 30 72-0255	LF		37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,982.69	
			<i>For Up To >10, Add</i>	1,402.97	
			<i>For >10 To 25, Add</i>	866.14	
			<i>For >25 To 50, Add</i>	610.58	
			<i>For >50 To 100, Add</i>	305.29	
			<i>For >500 To 1,000, Deduct</i>	-103.25	
			<i>For >1,000 To 2,000, Deduct</i>	-156.93	
			<i>For >2,000 To 5,000, Deduct</i>	-259.33	
			<i>For >5,000, Deduct</i>	-429.47	
33 01 30 72-0256			39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 01 30 72-0257	LF	39mm	Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	969.41	
			For Up To >10, Add	598.23	
			For >10 To 25, Add	344.53	
			For >25 To 50, Add	252.92	
			For >50 To 100, Add	126.46	
			For >500 To 1,000, Deduct	-49.61	
			For >1,000 To 2,000, Deduct	-74.98	
			For >2,000 To 5,000, Deduct	-122.23	
			For >5,000, Deduct	-202.96	
33 01 30 72-0258	LF	39mm	Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,136.78	
			For Up To >10, Add	698.17	
			For >10 To 25, Add	400.99	
			For >25 To 50, Add	294.84	
			For >50 To 100, Add	147.42	
			For >500 To 1,000, Deduct	-58.14	
			For >1,000 To 2,000, Deduct	-87.85	
			For >2,000 To 5,000, Deduct	-143.16	
			For >5,000, Deduct	-237.74	
33 01 30 72-0259	LF	39mm	Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,306.28	
			For Up To >10, Add	804.52	
			For >10 To 25, Add	462.81	
			For >25 To 50, Add	339.97	
			For >50 To 100, Add	169.99	
			For >500 To 1,000, Deduct	-66.83	
			For >1,000 To 2,000, Deduct	-101.00	
			For >2,000 To 5,000, Deduct	-164.63	
			For >5,000, Deduct	-273.37	
33 01 30 72-0260	LF	39mm	Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,479.23	
			For Up To >10, Add	921.22	
			For >10 To 25, Add	533.25	
			For >25 To 50, Add	390.28	
			For >50 To 100, Add	195.14	
			For >500 To 1,000, Deduct	-75.78	
			For >1,000 To 2,000, Deduct	-114.57	
			For >2,000 To 5,000, Deduct	-186.95	
			For >5,000, Deduct	-310.37	
33 01 30 72-0261	LF	39mm	Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,661.72	
			For Up To >10, Add	1,066.54	
			For >10 To 25, Add	627.54	
			For >25 To 50, Add	454.90	
			For >50 To 100, Add	227.45	
			For >500 To 1,000, Deduct	-85.44	
			For >1,000 To 2,000, Deduct	-129.34	
			For >2,000 To 5,000, Deduct	-211.66	
			For >5,000, Deduct	-351.20	
33 01 30 72-0262	LF	39mm	Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,856.90	
			For Up To >10, Add	1,249.90	
			For >10 To 25, Add	753.53	
			For >25 To 50, Add	538.53	
			For >50 To 100, Add	269.27	
			For >500 To 1,000, Deduct	-96.06	
			For >1,000 To 2,000, Deduct	-145.70	
			For >2,000 To 5,000, Deduct	-239.54	
			For >5,000, Deduct	-397.10	
33 01 30 72-0263	LF	39mm	Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,062.18	
			For Up To >10, Add	1,463.62	
			For >10 To 25, Add	904.82	
			For >25 To 50, Add	637.35	
			For >50 To 100, Add	318.67	
			For >500 To 1,000, Deduct	-107.43	
			For >1,000 To 2,000, Deduct	-163.31	
			For >2,000 To 5,000, Deduct	-269.95	
			For >5,000, Deduct	-447.04	
33 01 30 72-0264			40.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0265	LF	40.5mm	Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,176.86	
			For Up To >10, Add	718.21	
			For >10 To 25, Add	411.01	
			For >25 To 50, Add	302.86	
			For >50 To 100, Add	151.43	
			For >500 To 1,000, Deduct	-60.14	
			For >1,000 To 2,000, Deduct	-90.86	
			For >2,000 To 5,000, Deduct	-147.97	
			For >5,000, Deduct	-245.75	
33 01 30 72-0266	LF	40.5mm	Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,352.51	
			For Up To >10, Add	827.53	
			For >10 To 25, Add	474.28	
			For >25 To 50, Add	349.17	
			For >50 To 100, Add	174.58	
			For >500 To 1,000, Deduct	-69.14	
			For >1,000 To 2,000, Deduct	-104.46	
			For >2,000 To 5,000, Deduct	-170.17	
			For >5,000, Deduct	-282.60	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 72-0267	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,531.69	
			For Up To >10, Add	947.45	
			For >10 To 25, Add	546.36	
			For >25 To 50, Add	400.77	
			For >50 To 100, Add	200.39	
			For >500 To 1,000, Deduct	-78.40	
			For >1,000 To 2,000, Deduct	-118.51	
			For >2,000 To 5,000, Deduct	-193.25	
			For >5,000, Deduct	-320.87	
33 01	30 72-0268	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,720.36	
			For Up To >10, Add	1,095.86	
			For >10 To 25, Add	642.20	
			For >25 To 50, Add	466.62	
			For >50 To 100, Add	233.31	
			For >500 To 1,000, Deduct	-88.37	
			For >1,000 To 2,000, Deduct	-133.74	
			For >2,000 To 5,000, Deduct	-218.70	
			For >5,000, Deduct	-362.93	
33 01	30 72-0269	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,921.73	
			For Up To >10, Add	1,282.32	
			For >10 To 25, Add	769.74	
			For >25 To 50, Add	551.50	
			For >50 To 100, Add	275.75	
			For >500 To 1,000, Deduct	-99.30	
			For >1,000 To 2,000, Deduct	-150.56	
			For >2,000 To 5,000, Deduct	-247.32	
			For >5,000, Deduct	-410.06	
33 01	30 72-0270	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,133.10	
			For Up To >10, Add	1,498.83	
			For >10 To 25, Add	922.32	
			For >25 To 50, Add	651.40	
			For >50 To 100, Add	325.70	
			For >500 To 1,000, Deduct	-110.98	
			For >1,000 To 2,000, Deduct	-168.63	
			For >2,000 To 5,000, Deduct	-278.45	
			For >5,000, Deduct	-461.20	
33 01 30 72-0271			42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01	30 72-0272	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,401.64	
			For Up To >10, Add	859.57	
			For >10 To 25, Add	493.29	
			For >25 To 50, Add	362.88	
			For >50 To 100, Add	181.44	
			For >500 To 1,000, Deduct	-71.67	
			For >1,000 To 2,000, Deduct	-108.30	
			For >2,000 To 5,000, Deduct	-176.45	
			For >5,000, Deduct	-293.03	
33 01	30 72-0273	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,587.66	
			For Up To >10, Add	984.53	
			For >10 To 25, Add	568.55	
			For >25 To 50, Add	416.70	
			For >50 To 100, Add	208.35	
			For >500 To 1,000, Deduct	-81.29	
			For >1,000 To 2,000, Deduct	-122.89	
			For >2,000 To 5,000, Deduct	-200.44	
			For >5,000, Deduct	-332.79	
33 01	30 72-0274	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,783.61	
			For Up To >10, Add	1,139.28	
			For >10 To 25, Add	668.63	
			For >25 To 50, Add	485.41	
			For >50 To 100, Add	242.70	
			For >500 To 1,000, Deduct	-91.66	
			For >1,000 To 2,000, Deduct	-138.72	
			For >2,000 To 5,000, Deduct	-226.90	
			For >5,000, Deduct	-376.52	
33 01	30 72-0275	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,979.55	
			For Up To >10, Add	1,294.03	
			For >10 To 25, Add	768.71	
			For >25 To 50, Add	554.12	
			For >50 To 100, Add	277.06	
			For >500 To 1,000, Deduct	-102.02	
			For >1,000 To 2,000, Deduct	-154.55	
			For >2,000 To 5,000, Deduct	-253.37	
			For >5,000, Deduct	-420.25	
33 01	30 72-0276	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,212.45	
			For Up To >10, Add	1,559.63	
			For >10 To 25, Add	961.17	
			For >25 To 50, Add	678.26	
			For >50 To 100, Add	339.13	
			For >500 To 1,000, Deduct	-115.16	
			For >1,000 To 2,000, Deduct	-175.00	
			For >2,000 To 5,000, Deduct	-289.07	
			For >5,000, Deduct	-478.76	

33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)

33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	397.53	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic)	429.77	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic)	456.62	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic)	483.48	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic)	510.34	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder	416.13	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder	477.47	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder	538.82	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	453.02	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	489.92	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner	560.55	
33 01 30 74-0018 EA 6" Lateral T-Liner	627.85	
33 01 30 74-0019 EA 8" Lateral T-Liner	729.43	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	26.88	
For 7.5mm, Add		2.70
For 9 mm, Add		5.35
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	31.74	
For 7.5mm, Add		3.68
For 9 mm, Add		7.28
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	40.73	
For 7.5mm, Add		5.64
For 9 mm, Add		11.15
33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)		
33 01 30 79-0001 Form and Fold Relining Underground Pipelines (33 01 30 79)		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	3,932.10	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	1,572.84	
33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	29.22	
For DR 26 Pipe Liner, Add		5.20
For Up To 75, Add		16.79
For >75 To 150, Add		8.40
For >500 To 1,000, Deduct		-0.63
For >1,000 To 2,000, Deduct		-1.26
For >2,000, Deduct		-2.53
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.34	
For DR 26 Pipe Liner, Add		7.07
For DR 35 Pipe Liner, Deduct		-3.53
For Up To 75, Add		19.27
For >75 To 150, Add		9.64
For >500 To 1,000, Deduct		-0.68
For >1,000 To 2,000, Deduct		-1.36
For >2,000, Deduct		-2.72
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.61	
For DR 26 Pipe Liner, Add		7.20
For DR 35 Pipe Liner, Deduct		-3.60
For Up To 75, Add		20.50
For >75 To 150, Add		10.25
For >500 To 1,000, Deduct		-0.74
For >1,000 To 2,000, Deduct		-1.47
For >2,000, Deduct		-2.95
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	53.90	
For DR 26 Pipe Liner, Add		10.79
For DR 35 Pipe Liner, Deduct		-5.40
For DR 41 Pipe Liner, Deduct		-10.79
For Up To 75, Add		24.73
For >75 To 150, Add		12.36
For >500 To 1,000, Deduct		-0.80
For >1,000 To 2,000, Deduct		-1.61
For >2,000, Deduct		-3.22

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	74.98	
		<i>For DR 26 Pipe Liner, Add</i>	15.80	
		<i>For DR 35 Pipe Liner, Deduct</i>	-7.90	
		<i>For DR 41 Pipe Liner, Deduct</i>	-15.80	
		<i>For Up To 75, Add</i>	30.32	
		<i>For >75 To 150, Add</i>	15.16	
		<i>For >500 To 1,000, Deduct</i>	-0.88	
		<i>For >1,000 To 2,000, Deduct</i>	-1.77	
		<i>For >2,000, Deduct</i>	-3.54	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	102.37	
		<i>For DR 35 Pipe Liner, Deduct</i>	-11.12	
		<i>For DR 41 Pipe Liner, Deduct</i>	-22.24	
		<i>For Up To 75, Add</i>	37.91	
		<i>For >75 To 150, Add</i>	18.95	
		<i>For >500 To 1,000, Deduct</i>	-1.01	
		<i>For >1,000 To 2,000, Deduct</i>	-2.01	
		<i>For >2,000, Deduct</i>	-4.02	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	144.11	
		<i>For DR 41 Pipe Liner, Deduct</i>	-12.90	
		<i>For DR 50 Pipe Liner, Deduct</i>	-25.80	
		<i>For Up To 75, Add</i>	48.48	
		<i>For >75 To 150, Add</i>	24.24	
		<i>For >500 To 1,000, Deduct</i>	-1.13	
		<i>For >1,000 To 2,000, Deduct</i>	-2.27	
		<i>For >2,000, Deduct</i>	-4.54	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	162.90	
		<i>For DR 50 Pipe Liner, Deduct</i>	-21.98	
		<i>For DR 55 Pipe Liner, Deduct</i>	-36.63	
		<i>For Up To 75, Add</i>	53.87	
		<i>For >75 To 150, Add</i>	26.94	
		<i>For >500 To 1,000, Deduct</i>	-1.23	
		<i>For >1,000 To 2,000, Deduct</i>	-2.46	
		<i>For >2,000, Deduct</i>	-4.91	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	198.42	
		<i>For DR 60 Pipe Liner, Deduct</i>	-27.08	
		<i>For Up To 75, Add</i>	62.93	
		<i>For >75 To 150, Add</i>	31.46	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000 To 2,000, Deduct</i>	-2.68	
		<i>For >2,000, Deduct</i>	-5.36	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	31.18	
		<i>For Up To 75, Add</i>	17.18	
		<i>For >75 To 150, Add</i>	8.59	
		<i>For >500 To 1,000, Deduct</i>	-0.63	
		<i>For >1,000 To 2,000, Deduct</i>	-1.26	
		<i>For >2,000, Deduct</i>	-2.53	
		<i>For DR 26 Pipe Liner, Add</i>	5.69	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	37.34	
		<i>For Up To 75, Add</i>	19.27	
		<i>For >75 To 150, Add</i>	9.64	
		<i>For >500 To 1,000, Deduct</i>	-0.68	
		<i>For >1,000 To 2,000, Deduct</i>	-1.36	
		<i>For >2,000, Deduct</i>	-2.72	
		<i>For DR 26 Pipe Liner, Add</i>	7.07	
		<i>For DR 35 Pipe Liner, Deduct</i>	-3.53	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	41.23	
		<i>For Up To 75, Add</i>	21.03	
		<i>For >75 To 150, Add</i>	10.51	
		<i>For >500 To 1,000, Deduct</i>	-0.74	
		<i>For >1,000 To 2,000, Deduct</i>	-1.47	
		<i>For >2,000, Deduct</i>	-2.95	
		<i>For DR 26 Pipe Liner, Add</i>	7.85	
		<i>For DR 35 Pipe Liner, Deduct</i>	-3.93	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	57.83	
		<i>For Up To 75, Add</i>	25.52	
		<i>For >75 To 150, Add</i>	12.76	
		<i>For >500 To 1,000, Deduct</i>	-0.80	
		<i>For >1,000 To 2,000, Deduct</i>	-1.61	
		<i>For >2,000, Deduct</i>	-3.22	
		<i>For DR 26 Pipe Liner, Add</i>	11.78	
		<i>For DR 35 Pipe Liner, Deduct</i>	-5.89	
		<i>For DR 41 Pipe Liner, Deduct</i>	-11.78	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	80.86	
		<i>For Up To 75, Add</i>	31.50	
		<i>For >75 To 150, Add</i>	15.75	
		<i>For >500 To 1,000, Deduct</i>	-0.88	
		<i>For >1,000 To 2,000, Deduct</i>	-1.77	
		<i>For >2,000, Deduct</i>	-3.54	
		<i>For DR 26 Pipe Liner, Add</i>	17.27	
		<i>For DR 35 Pipe Liner, Deduct</i>	-8.63	
		<i>For DR 41 Pipe Liner, Deduct</i>	-17.27	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	110.74	
		<i>For Up To 75, Add</i>	39.58	
		<i>For >75 To 150, Add</i>	19.79	
		<i>For >500 To 1,000, Deduct</i>	-1.01	
		<i>For >1,000 To 2,000, Deduct</i>	-2.01	
		<i>For >2,000, Deduct</i>	-4.02	
		<i>For DR 35 Pipe Liner, Deduct</i>	-12.17	
		<i>For DR 41 Pipe Liner, Deduct</i>	-24.33	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	156.41	
		<i>For Up To 75, Add</i>	50.94	
		<i>For >75 To 150, Add</i>	25.47	
		<i>For >500 To 1,000, Deduct</i>	-1.13	
		<i>For >1,000 To 2,000, Deduct</i>	-2.27	
		<i>For >2,000, Deduct</i>	-4.54	
		<i>For DR 41 Pipe Liner, Deduct</i>	-14.13	
		<i>For DR 50 Pipe Liner, Deduct</i>	-28.26	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	176.51	
		<i>For Up To 75, Add</i>	56.60	
		<i>For >75 To 150, Add</i>	28.30	
		<i>For >500 To 1,000, Deduct</i>	-1.23	
		<i>For >1,000 To 2,000, Deduct</i>	-2.46	
		<i>For >2,000, Deduct</i>	-4.91	
		<i>For DR 50 Pipe Liner, Deduct</i>	-24.02	
		<i>For DR 55 Pipe Liner, Deduct</i>	-40.03	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	215.68	
		<i>For Up To 75, Add</i>	66.38	
		<i>For >75 To 150, Add</i>	33.19	
		<i>For >500 To 1,000, Deduct</i>	-1.34	
		<i>For >1,000 To 2,000, Deduct</i>	-2.68	
		<i>For >2,000, Deduct</i>	-5.36	
		<i>For DR 60 Pipe Liner, Deduct</i>	-29.67	

33 01 30 81 Manhole Rehabilitation (33 01 30)

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)
 Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals (33 01 30 81-0001)

33 01 30 81-0003 Internal Manhole Chimney Seals (33 01 30 81-0002)
 Note: Cretex.

33 01 30 81-0004	EA	20" Internal Manhole Chimney Seal.....	402.50
33 01 30 81-0005	EA	22" Internal Manhole Chimney Seal.....	424.26
33 01 30 81-0006	EA	24" Internal Manhole Chimney Seal.....	435.13
33 01 30 81-0007	EA	26" Internal Manhole Chimney Seal.....	500.41
33 01 30 81-0008	EA	28" Internal Manhole Chimney Seal.....	565.68
33 01 30 81-0009	EA	30" Internal Manhole Chimney Seal.....	630.95
33 01 30 81-0010	EA	36" Internal Manhole Chimney Seal.....	761.49

33 01 30 81-0011 External Manhole Encapsulation (33 01 30 81-0002)
 Note: Wrapidseal.

33 01 30 81-0012	EA	24" External Manhole Encapsulation.....	587.44
33 01 30 81-0013	EA	30" External Manhole Encapsulation.....	620.07
33 01 30 81-0014	EA	36" External Manhole Encapsulation.....	663.58
33 01 30 81-0015	EA	42" External Manhole Encapsulation.....	717.97
33 01 30 81-0016	EA	48" External Manhole Encapsulation.....	794.12
33 01 30 81-0017	EA	54" External Manhole Encapsulation.....	881.15
33 01 30 81-0018	EA	60" External Manhole Encapsulation.....	989.93

33 01 30 81-0019 Manhole Crack Repair (33 01 30 81-0001)
 Note: Includes removing loose materials and cleaning.

33 01 30 81-0020	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	43.70
33 01 30 81-0021	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	58.75
33 01 30 81-0022	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	41.39
33 01 30 81-0023	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	56.07

33 01 30 81-0024 Manhole Patching (33 01 30 81-0001)
 Note: Includes removing loose materials and cleaning.

33 01 30 81-0025	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	14.80
33 01 30 81-0026	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	28.74

33 01 30 81-0027 Manhole Joint Restoration (33 01 30 81-0001)
 Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0028	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,677.46
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	188.47
33 01 30 81-0029	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,958.22
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	207.38
33 01 30 81-0030	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,236.61
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
		<i>For Grouting Each Additional Manhole Joint Section, Add</i>	226.29

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 81-0031	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	2,655.12 235.75	
33 01	30 81-0032	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	3,072.44 245.20	
33 01 30 81-0033			Step Installation In Existing Manholes (33 01 30 81-0001) Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01	30 81-0034	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	111.26	18.30
33 01	30 81-0035	EA	Drill And Grout Galvanized Steel Manhole Step.....	89.98	18.30
33 01	30 81-0036	EA	Bolt On Galvanized Steel Manhole Step.....	103.20	18.30
33 01	30 81-0037	EA	Drill And Grout Aluminum Manhole Step.....	102.72	18.30
33 01	30 81-0038	EA	Drill And Insert Polypropylene Manhole Step.....	53.98	14.64
33 01 30 81-0039			Manhole Penetration Sealing (33 01 30 81-0001) Note: At new pipe connection to manhole.		
33 01	30 81-0040	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	337.07	
33 01	30 81-0041	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	521.18	
33 01	30 81-0042	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	715.65	
33 01 30 81-0043			Invert Restoration (33 01 30 81-0001) Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0044			Concrete Invert Restoration (33 01 30 81-0043)		
33 01	30 81-0045	EA	2' Diameter, Concrete Invert Restoration.....	333.96	
33 01	30 81-0046	EA	3' Diameter, Concrete Invert Restoration.....	374.50	
33 01	30 81-0047	EA	4' Diameter, Concrete Invert Restoration.....	415.04	
33 01	30 81-0048	EA	5' Diameter, Concrete Invert Restoration.....	455.58	
33 01	30 81-0049	EA	6' Diameter, Concrete Invert Restoration.....	577.20	
33 01	30 81-0050	SF	Square Or Rectangular, Concrete Invert Restoration.....	33.00	
33 01 30 81-0051			Brick Invert Restoration (33 01 30 81-0043)		
33 01	30 81-0052	EA	2' Diameter, Brick Invert Restoration.....	522.27	
33 01	30 81-0053	EA	3' Diameter, Brick Invert Restoration.....	562.81	
33 01	30 81-0054	EA	4' Diameter, Brick Invert Restoration.....	603.35	
33 01	30 81-0055	EA	5' Diameter, Brick Invert Restoration.....	643.89	
33 01	30 81-0056	EA	6' Diameter, Brick Invert Restoration.....	684.43	
33 01	30 81-0057	SF	Square Or Rectangular, Brick Invert Restoration.....	45.93	
33 01 30 81-0058			Repair In-Kind Of Drainage Structures (33 01 30 81) Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01	30 81-0059	VLF	2' Diameter, Repair In-Kind Drainage Structure.....	571.64	
33 01	30 81-0060	VLF	3' Diameter, Repair In-Kind Drainage Structure.....	857.46	
33 01	30 81-0061	VLF	4' Diameter, Repair In-Kind Drainage Structure.....	1,143.36	
33 01	30 81-0062	VLF	5' Diameter, Repair In-Kind Drainage Structure.....	1,429.10	
33 01	30 81-0063	VLF	6' Diameter, Repair In-Kind Drainage Structure.....	1,714.93	
33 01	30 81-0064	VLF	2' x 2', Repair In-Kind Drainage Structure.....	728.21	
33 01	30 81-0065	VLF	2' x 3', Repair In-Kind Drainage Structure.....	910.26	
33 01	30 81-0066	VLF	2' x 4', Repair In-Kind Drainage Structure.....	1,092.31	
33 01	30 81-0067	VLF	3' x 4', Repair In-Kind Drainage Structure.....	1,274.36	
33 01	30 81-0068	VLF	4' x 4', Repair In-Kind Drainage Structure.....	1,456.41	
33 01	30 81-0069	VLF	4' x 5', Repair In-Kind Drainage Structure.....	1,638.46	
33 01	30 81-0070	VLF	4' x 6', Repair In-Kind Drainage Structure.....	1,820.52	
33 01	30 81-0071	VLF	4' x 8', Repair In-Kind Drainage Structure.....	2,184.62	
33 01	30 81-0072	VLF	>32 GSF, Repair In-Kind Drainage Structure.....	2,548.72	
33 01 30 82			Epoxy Lining for Concrete Manholes (33 01 30)		
33 01 30 82-0001			Epoxy Manhole Restoration, Interior (33 01 30 82)		
33 01	30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior.....	255.09	
			<i>For 80 Mil Material, Add</i>	30.07	
			<i>For 100 Mil Material, Add</i>	60.14	
			<i>For 125 Mil Material, Add</i>	93.74	
			<i>For 150 Mil Material, Add</i>	127.34	
			<i>For 200 Mil Material, Add</i>	183.89	
			<i>For 2 To 5 Manholes, Deduct</i>	-18.07	
			<i>For 6 To 10 Manholes, Deduct</i>	-29.77	
			<i>For >10 Manholes, Deduct</i>	-59.54	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
33 01 30 82-0003	VLF			60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	309.47	
				<i>For 80 Mil Material, Add</i>	35.98	
				<i>For 100 Mil Material, Add</i>	71.96	
				<i>For 125 Mil Material, Add</i>	112.07	
				<i>For 150 Mil Material, Add</i>	152.17	
				<i>For 200 Mil Material, Add</i>	219.37	
				<i>For 2 To 5 Manholes, Deduct</i>	-21.97	
				<i>For 6 To 10 Manholes, Deduct</i>	-36.21	
				<i>For >10 Manholes, Deduct</i>	-72.42	
33 01 30 82-0004	VLF			60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	340.12	
				<i>For 80 Mil Material, Add</i>	40.09	
				<i>For 100 Mil Material, Add</i>	80.18	
				<i>For 125 Mil Material, Add</i>	124.98	
				<i>For 150 Mil Material, Add</i>	169.78	
				<i>For 200 Mil Material, Add</i>	245.18	
				<i>For 2 To 5 Manholes, Deduct</i>	-24.10	
				<i>For 6 To 10 Manholes, Deduct</i>	-39.69	
				<i>For >10 Manholes, Deduct</i>	-79.39	
33 01 30 82-0005	VLF			60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	425.19	
				<i>For 80 Mil Material, Add</i>	50.13	
				<i>For 100 Mil Material, Add</i>	100.26	
				<i>For 125 Mil Material, Add</i>	156.27	
				<i>For 150 Mil Material, Add</i>	212.29	
				<i>For 200 Mil Material, Add</i>	306.59	
				<i>For 2 To 5 Manholes, Deduct</i>	-30.12	
				<i>For 6 To 10 Manholes, Deduct</i>	-49.62	
				<i>For >10 Manholes, Deduct</i>	-99.24	
33 01 30 82-0006	VLF			60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	510.23	
				<i>For 80 Mil Material, Add</i>	60.15	
				<i>For 100 Mil Material, Add</i>	120.31	
				<i>For 125 Mil Material, Add</i>	187.52	
				<i>For 150 Mil Material, Add</i>	254.73	
				<i>For 200 Mil Material, Add</i>	367.88	
				<i>For 2 To 5 Manholes, Deduct</i>	-36.15	
				<i>For 6 To 10 Manholes, Deduct</i>	-59.54	
				<i>For >10 Manholes, Deduct</i>	-119.09	
33 01 30 83	Lining for Concrete Manholes <small>(33 01 30)</small>					
33 01 30 83-0001				Manhole Lining <small>(33 01 30 83)</small>		
				Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002				Cementitious Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0003	VLF			1/2" Cementitious Restoration On 3' Diameter Manhole Interior	117.42	
				<i>For Each Additional 1/2" Thick Material, Add</i>	33.82	
				<i>For 2 To 5 Manholes, Deduct</i>	-8.12	
				<i>For 6 To 10 Manholes, Deduct</i>	-13.30	
				<i>For >10 Manholes, Deduct</i>	-26.60	
33 01 30 83-0004	VLF			1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	136.21	
				<i>For Each Additional 1/2" Thick Material, Add</i>	39.38	
				<i>For 2 To 5 Manholes, Deduct</i>	-9.41	
				<i>For 6 To 10 Manholes, Deduct</i>	-15.42	
				<i>For >10 Manholes, Deduct</i>	-30.83	
33 01 30 83-0005	VLF			1/2" Cementitious Restoration On 4' Diameter Manhole Interior	155.00	
				<i>For Each Additional 1/2" Thick Material, Add</i>	44.94	
				<i>For 2 To 5 Manholes, Deduct</i>	-10.71	
				<i>For 6 To 10 Manholes, Deduct</i>	-17.54	
				<i>For >10 Manholes, Deduct</i>	-35.07	
33 01 30 83-0006	VLF			1/2" Cementitious Restoration On 5' Diameter Manhole Interior	183.33	
				<i>For Each Additional 1/2" Thick Material, Add</i>	55.31	
				<i>For 2 To 5 Manholes, Deduct</i>	-12.59	
				<i>For 6 To 10 Manholes, Deduct</i>	-20.61	
				<i>For >10 Manholes, Deduct</i>	-41.21	
33 01 30 83-0007	VLF			1/2" Cementitious Restoration On 6' Diameter Manhole Interior	201.76	
				<i>For Each Additional 1/2" Thick Material, Add</i>	64.34	
				<i>For 2 To 5 Manholes, Deduct</i>	-13.75	
				<i>For 6 To 10 Manholes, Deduct</i>	-22.46	
				<i>For >10 Manholes, Deduct</i>	-44.92	
33 01 30 83-0008				Polyurethane Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01 30 83-0009	VLF			60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	227.55	
				<i>For 80 Mil Material, Add</i>	20.89	
				<i>For 100 Mil Material, Add</i>	41.78	
				<i>For 125 Mil Material, Add</i>	63.90	
				<i>For 150 Mil Material, Add</i>	86.03	
				<i>For 200 Mil Material, Add</i>	119.63	
				<i>For 2 To 5 Manholes, Deduct</i>	-16.70	
				<i>For 6 To 10 Manholes, Deduct</i>	-27.70	
				<i>For >10 Manholes, Deduct</i>	-55.41	
33 01 30 83-0010	VLF			60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	277.29	
				<i>For 80 Mil Material, Add</i>	25.26	
				<i>For 100 Mil Material, Add</i>	50.51	
				<i>For 125 Mil Material, Add</i>	77.21	
				<i>For 150 Mil Material, Add</i>	103.90	
				<i>For 200 Mil Material, Add</i>	144.29	
				<i>For 2 To 5 Manholes, Deduct</i>	-20.37	
				<i>For 6 To 10 Manholes, Deduct</i>	-33.80	
				<i>For >10 Manholes, Deduct</i>	-67.60	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	303.40	
			<i>For 80 Mil Material, Add</i>	27.85	
			<i>For 100 Mil Material, Add</i>	55.70	
			<i>For 125 Mil Material, Add</i>	85.20	
			<i>For 150 Mil Material, Add</i>	114.70	
			<i>For 200 Mil Material, Add</i>	159.50	
			<i>For 2 To 5 Manholes, Deduct</i>	-22.26	
			<i>For 6 To 10 Manholes, Deduct</i>	-36.94	
			<i>For >10 Manholes, Deduct</i>	-73.88	
33 01	30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	379.24	
			<i>For 80 Mil Material, Add</i>	34.81	
			<i>For 100 Mil Material, Add</i>	69.63	
			<i>For 125 Mil Material, Add</i>	106.50	
			<i>For 150 Mil Material, Add</i>	143.36	
			<i>For 200 Mil Material, Add</i>	199.37	
			<i>For 2 To 5 Manholes, Deduct</i>	-27.83	
			<i>For 6 To 10 Manholes, Deduct</i>	-46.17	
			<i>For >10 Manholes, Deduct</i>	-92.34	
33 01	30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	455.10	
			<i>For 80 Mil Material, Add</i>	41.78	
			<i>For 100 Mil Material, Add</i>	83.55	
			<i>For 125 Mil Material, Add</i>	127.80	
			<i>For 150 Mil Material, Add</i>	172.04	
			<i>For 200 Mil Material, Add</i>	239.25	
			<i>For 2 To 5 Manholes, Deduct</i>	-33.39	
			<i>For 6 To 10 Manholes, Deduct</i>	-55.41	
			<i>For >10 Manholes, Deduct</i>	-110.82	
33 01	30 83-0014		Multiplexx™ PVC Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01	30 83-0015	VLF	3' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	398.13	
			<i>For 2 To 5 Manholes, Deduct</i>	-23.22	
			<i>For 6 To 10 Manholes, Deduct</i>	-36.50	
			<i>For >10 Manholes, Deduct</i>	-72.99	
33 01	30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	487.56	
			<i>For 2 To 5 Manholes, Deduct</i>	-28.43	
			<i>For 6 To 10 Manholes, Deduct</i>	-44.68	
			<i>For >10 Manholes, Deduct</i>	-89.35	
33 01	30 83-0017	VLF	4' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	573.98	
			<i>For 2 To 5 Manholes, Deduct</i>	-33.12	
			<i>For 6 To 10 Manholes, Deduct</i>	-51.90	
			<i>For >10 Manholes, Deduct</i>	-103.79	
33 01	30 83-0018	VLF	5' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	719.80	
			<i>For 2 To 5 Manholes, Deduct</i>	-41.52	
			<i>For 6 To 10 Manholes, Deduct</i>	-65.04	
			<i>For >10 Manholes, Deduct</i>	-130.09	
33 01	30 83-0019	VLF	6' Diameter, Multiplexx™ PVC Cured-In-Place (CIP) Manhole Liner For Existing Manhole	865.60	
			<i>For 2 To 5 Manholes, Deduct</i>	-49.92	
			<i>For 6 To 10 Manholes, Deduct</i>	-78.19	
			<i>For >10 Manholes, Deduct</i>	-156.38	
33 01 30 86			Manhole Rim Adjustment <small>(33 01 30)</small>		
33 01	30 86-0001		Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01	30 86-0002		Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01	30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	309.72	
33 01	30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	348.97	
33 01	30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	384.55	
33 01	30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	424.90	
33 01	30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	457.54	
33 01	30 86-0008		Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01	30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	365.74	
33 01	30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	398.90	
33 01	30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	440.74	
33 01	30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	481.09	
33 01	30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	519.95	
33 01	30 86-0014		>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01	30 86-0015	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	510.34	
33 01	30 86-0016	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	555.37	
33 01	30 86-0017	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	601.11	
33 01	30 86-0018	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	637.29	
33 01	30 86-0019	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	692.93	
33 01	30 86-0020	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	743.34	
33 01	30 86-0021	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	792.62	
33 01	30 86-0022	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	842.92	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)

33 01 34 13-0002	GAL Pump Out Septic Tank And Dispose	0.55	
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33 05 Common Work Results for Utilities (33)

33 05 07 Trenchless Installation of Utility Piping (33 05)

33 05 07 13 Utility Directional Drilling (33 05 07)

33 05 07 13-0001 Horizontal Augering (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	21.23
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	25.62
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	35.12
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	45.37
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	79.26
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	115.63
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	138.93
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	165.97
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	287.19
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	360.94
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	445.19
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	508.65
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	659.98
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	711.14
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	773.40
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	810.82
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge	3,356.75
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge	4,576.78
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge	6,737.45
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	10.97
		<i>For Horizontal Boring Through Rock, Add</i>	7.68
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	16.44
		<i>For Horizontal Boring Through Rock, Add</i>	11.51
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	22.84
		<i>For Horizontal Boring Through Rock, Add</i>	15.99
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	28.33
		<i>For Horizontal Boring Through Rock, Add</i>	19.83
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	33.80
		<i>For Horizontal Boring Through Rock, Add</i>	23.66
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	39.29
		<i>For Horizontal Boring Through Rock, Add</i>	27.50
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	45.69
		<i>For Horizontal Boring Through Rock, Add</i>	31.98
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	55.95
		<i>For Horizontal Boring Through Rock, Add</i>	39.17
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	60.61
		<i>For Horizontal Boring Through Rock, Add</i>	42.43
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	65.27
		<i>For Horizontal Boring Through Rock, Add</i>	45.69
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	135.20
		<i>For Horizontal Boring Through Rock, Add</i>	94.64
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	213.24
		<i>For Horizontal Boring Through Rock, Add</i>	149.27
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	325.06
		<i>For Horizontal Boring Through Rock, Add</i>	227.54
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	520.09
		<i>For Horizontal Boring Through Rock, Add</i>	364.06
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge	2,923.72
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge	3,356.75
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge	4,576.78
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 23 Utility Boring and Jacking (33 05 07)

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0001			Horizontal Jacking <small>(33 05 07 23)</small> Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002	LF		Up To 2" Diameter Horizontal Jacking.....	48.13	
			For Horizontal Jacking Through Rock, Add.....	25.33	
33 05 07 23-0003	LF		3" Diameter Horizontal Jacking.....	57.78	
			For Horizontal Jacking Through Rock, Add.....	30.57	
33 05 07 23-0004	LF		4" Diameter Horizontal Jacking.....	78.33	
			For Horizontal Jacking Through Rock, Add.....	41.92	
33 05 07 23-0005	LF		6" Diameter Horizontal Jacking.....	101.23	
			For Horizontal Jacking Through Rock, Add.....	54.15	
33 05 07 23-0006	LF		8" Diameter Horizontal Jacking.....	137.51	
			For Horizontal Jacking Through Rock, Add.....	74.23	
33 05 07 23-0007	LF		10" Diameter Horizontal Jacking.....	201.37	
			For Horizontal Jacking Through Rock, Add.....	108.30	
33 05 07 23-0008	LF		12" Diameter Horizontal Jacking.....	242.32	
			For Horizontal Jacking Through Rock, Add.....	130.13	
33 05 07 23-0009	LF		16" Diameter Horizontal Jacking.....	289.36	
			For Horizontal Jacking Through Rock, Add.....	155.46	
33 05 07 23-0010	LF		20" Diameter Horizontal Jacking.....	462.57	
			For Horizontal Jacking Through Rock, Add.....	269.87	
33 05 07 23-0011	LF		24" Diameter Horizontal Jacking.....	703.94	
			For Horizontal Jacking Through Rock, Add.....	302.87	
33 05 07 23-0012	LF		30" Diameter Horizontal Jacking.....	827.22	
			For Horizontal Jacking Through Rock, Add.....	373.98	
33 05 07 23-0013	LF		36" Diameter Horizontal Jacking.....	936.39	
			For Horizontal Jacking Through Rock, Add.....	427.61	
33 05 07 23-0014	LF		42" Diameter Horizontal Jacking.....	1,006.88	
			For Horizontal Jacking Through Rock, Add.....	461.76	
33 05 07 23-0015	LF		48" Diameter Horizontal Jacking.....	1,090.55	
			For Horizontal Jacking Through Rock, Add.....	497.54	
33 05 07 23-0016	LF		54" Diameter Horizontal Jacking.....	1,169.50	
			For Horizontal Jacking Through Rock, Add.....	541.49	
33 05 07 23-0017	EA		Up To 6" Horizontal Jacking Minimum Set-up Charge.....	2,923.72	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018	EA		>6" To 20" Horizontal Jacking Minimum Set-up Charge.....	3,356.75	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019	EA		>20" To 36" Horizontal Jacking Minimum Set-up Charge.....	4,576.78	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020	EA		>36" Horizontal Jacking Minimum Set-up Charge.....	6,737.45	
			Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 24			Casing Piping for Utility Jacking <small>(33 05 07)</small>		
33 05 07 24-0001			Casing Pipe <small>(33 05 07 24)</small> Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002			Steel Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0003	LF		1-1/2" Steel Pipe Pull In Place By Boring Machine.....	12.06	
			Note: Includes pipe welding.		
33 05 07 24-0004	LF		2" Steel Pipe Pull In Place By Boring Machine.....	12.80	
			Note: Includes pipe welding.		
33 05 07 24-0005	LF		2-1/2" Steel Pipe Pull In Place By Boring Machine.....	13.80	
			Note: Includes pipe welding.		
33 05 07 24-0006	LF		3" Steel Pipe Pull In Place By Boring Machine.....	14.82	
			Note: Includes pipe welding.		
33 05 07 24-0007	LF		4" Steel Pipe Pull In Place By Boring Machine.....	18.60	
			Note: Includes pipe welding.		
33 05 07 24-0008	LF		5" Steel Pipe Pull In Place By Boring Machine.....	20.97	
			Note: Includes pipe welding.		
33 05 07 24-0009	LF		6" Steel Pipe Pull In Place By Boring Machine.....	23.34	
			Note: Includes pipe welding.		
33 05 07 24-0010			Polyethylene Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0011	LF		3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	4.65	
			Note: Includes pipe welding.		
33 05 07 24-0012	LF		1" Polyethylene Pipe Pull In Place By Boring Machine.....	5.09	
			Note: Includes pipe welding.		
33 05 07 24-0013	LF		1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	5.54	
			Note: Includes pipe welding.		
33 05 07 24-0014	LF		1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	5.91	
			Note: Includes pipe welding.		
33 05 07 24-0015	LF		2" Polyethylene Pipe Pull In Place By Boring Machine.....	6.33	
			Note: Includes pipe welding.		
33 05 07 24-0016	LF		2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	6.77	
			Note: Includes pipe welding.		
33 05 07 24-0017	LF		3" Polyethylene Pipe Pull In Place By Boring Machine.....	7.21	
			Note: Includes pipe welding.		
33 05 07 24-0018	LF		4" Polyethylene Pipe Pull In Place By Boring Machine.....	8.74	
			Note: Includes pipe welding.		
33 05 07 24-0019	LF		5" Polyethylene Pipe Pull In Place By Boring Machine.....	9.67	
			Note: Includes pipe welding.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 07 24-0020	LF			6" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.61	
33 05 07 24-0021	LF			8" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.80	
33 05 07 24-0022	LF			10" Polyethylene Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	18.78	

33 05 09 Piping Specials for Utilities (33 05)

33 05 09 23 Adapters for Utility Piping (33 05 09)

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping (33 05 09)

See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1147 for slip-on restraints, 33 14 13 13-1163 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe (33 05)

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing (33 05)

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe (33 05)

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe (33 05)

33 05 24 23 Steel Pipe for Water Service (33 05 24)

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe (33 05)

33 05 27 13 Corrugated Metal Culvert Pipe (33 05 27)

See CSI section 33 42 11 00-0365 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe (33 05 27)

See CSI section 33 41 16 13-0084 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe (33 05 27)

See CSI section 33 42 11 00-0707 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe (33 05)

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe (33 05 31)

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe (33 05 31)

See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) (33 05 31)

See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe (33 05)

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe (33 05 33)

See CSI section 33 42 11 00-0137 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) (33 05 33)

See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe (33 05 33)

See CSI section 33 42 11 00-0159 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe (33 05 33)

See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe (33 05 33)

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe (33 05 33)

See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct (33 05 33)

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine (33 05 33 63)

Note: Excludes boring.

33 05 33 63-0002	LF			1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine..... <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	2.88	0.08 0.06
33 05 33 63-0003	LF			1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine..... <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	3.23	0.10 0.07
33 05 33 63-0004	LF			1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine..... <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	3.48	0.12 0.08

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.83	
		For Up To 250, Add	0.14	
		For >250 To 500, Add	0.09	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.08	
		For Up To 250, Add	0.29	
		For >250 To 500, Add	0.20	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.37	
		For Up To 250, Add	0.45	
		For >250 To 500, Add	0.30	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	2.94	
		For Up To 250, Add	0.09	
		For >250 To 500, Add	0.06	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.34	
		For Up To 250, Add	0.12	
		For >250 To 500, Add	0.08	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.57	
		For Up To 250, Add	0.13	
		For >250 To 500, Add	0.09	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.06	
		For Up To 250, Add	0.17	
		For >250 To 500, Add	0.12	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.58	
		For Up To 250, Add	0.37	
		For >250 To 500, Add	0.25	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.00	
		For Up To 250, Add	0.54	
		For >250 To 500, Add	0.36	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0052 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0015 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-0263 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s) and openings.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,230.48	232.78
		For Bitumastic Coating, Add	54.89	
		For Epoxy Coating, Add	104.90	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole.....	1,679.70	334.36
		For Bitumastic Coating, Add	82.34	
		For Epoxy Coating, Add	157.35	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole.....	2,272.83	507.90
		For Bitumastic Coating, Add	109.79	
		For Epoxy Coating, Add	209.80	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole.....	241.54	59.26
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	13.72	
		For Epoxy Coating, Add	26.22	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole.....	259.59	59.26
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole.....	409.79	59.26
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	329.13	59.26
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole.....	466.51	59.26

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole.....	1,650.67	266.64
		For Bitumastic Coating, Add	54.89	
		For Epoxy Coating, Add	104.90	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole.....	2,205.82	363.99
		For Bitumastic Coating, Add	82.34	
		For Epoxy Coating, Add	157.35	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole.....	2,930.97	550.22
		For Bitumastic Coating, Add	109.79	
		For Epoxy Coating, Add	209.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0016	VLF		Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	316.72 13.72 26.22	69.83
33 05 61 00-0017	VLF		Drop Collar For 4' Diameter, Precast Concrete Manhole.....	343.00	69.83
33 05 61 00-0018	EA		Drop Base For 4' Diameter, Precast Concrete Manhole.....	561.71	69.83
33 05 61 00-0019	EA		Extended Base Slab For 4' Diameter, Precast Concrete Manhole	444.26	69.83
33 05 61 00-0020	EA		Precast Channel For 4' Diameter, Precast Concrete Manhole	644.32	69.83
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0022	EA		4' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	3,040.12 70.73 169.11	296.27
33 05 61 00-0023	EA		6' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,051.75 106.09 253.66	406.32
33 05 61 00-0024	EA		8' Deep, 5' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	5,251.81 141.46 338.21	609.48
33 05 61 00-0025	VLF		Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	549.47 17.68 42.28	76.18
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0027	EA		4' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	4,059.16 80.97 197.98	330.13
33 05 61 00-0028	EA		6' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	5,293.14 121.46 296.97	448.64
33 05 61 00-0029	EA		8' Deep, 6' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,738.06 161.95 395.96	677.20
33 05 61 00-0030	VLF		Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	665.15 20.24 49.49	84.65
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0032	EA		4' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	6,354.18 172.19 345.95	363.99
33 05 61 00-0033	EA		6' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	8,224.35 258.29 518.93	496.47
33 05 61 00-0034	EA		8' Deep, 7' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	10,326.47 344.38 691.91	744.92
33 05 61 00-0035	VLF		Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	988.84 43.05 86.49	93.12
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0037	EA		4' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	9,164.58 203.57 421.69	419.02
33 05 61 00-0038	EA		6' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	11,891.31 305.35 632.53	571.39
33 05 61 00-0039	EA		8' Deep, 8' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	14,884.69 407.13 843.38	857.08
33 05 61 00-0040	VLF		Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,422.63 50.89 105.42	105.81
33 05 61 00-0041 10' Diameter, Precast Concrete Manholes (33 05 61 00-0002)					
33 05 61 00-0042	EA		4' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	14,134.92 359.92 713.33	481.66
33 05 61 00-0043	EA		6' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	17,881.91 539.89 1,069.99	656.88
33 05 61 00-0044	EA		8' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	21,934.47 719.85 1,426.66	985.32
33 05 61 00-0045	VLF		Riser For 10' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	1,941.00 89.98 178.33	121.89

33 Utilities**33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 61 00-0046	12' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0047	EA 4' Deep, 12' Diameter, Precast Concrete Manhole.....	20,048.76	553.61
	For Bitumastic Coating, Add	431.58	
	For Epoxy Coating, Add	863.23	
33 05 61 00-0048	EA 6' Deep, 12' Diameter, Precast Concrete Manhole.....	25,326.30	755.93
	For Bitumastic Coating, Add	647.38	
	For Epoxy Coating, Add	1,294.84	
33 05 61 00-0049	EA 8' Deep, 12' Diameter, Precast Concrete Manhole.....	30,955.99	1,133.46
	For Bitumastic Coating, Add	863.17	
	For Epoxy Coating, Add	1,726.45	
33 05 61 00-0050	VLF Riser For 12' Diameter, Precast Concrete Manhole.....	2,717.07	139.67
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	107.90	
	For Epoxy Coating, Add	215.81	

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0004	EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,301.20	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005	EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,303.08	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006	EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	7,098.93	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007	EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	8,197.01	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008	EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	5,499.05	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009	EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,694.14	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010	EA 6' x 10' x 6' Precast Concrete Underground Utility Vault.....	7,890.12	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011	EA 6' x 12' x 6' Precast Concrete Underground Utility Vault.....	11,399.64	
	Note: 8" thick walls and top.		
33 05 63 00-0012	EA 6' x 14' x 6' Precast Concrete Underground Utility Vault.....	11,399.64	
	Note: 8" thick walls and top.		
33 05 63 00-0013	EA 6' x 16' x 6' Precast Concrete Underground Utility Vault.....	14,353.99	
	Note: 8" thick walls and top.		
33 05 63 00-0014	EA 8' x 8' x 6' Precast Concrete Underground Utility Vault.....	8,084.21	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0015	EA 8' x 10' x 6' Precast Concrete Underground Utility Vault.....	9,473.42	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0016	EA 8' x 12' x 6' Precast Concrete Underground Utility Vault.....	13,541.39	
	Note: 8" thick walls and top.		
33 05 63 00-0017	EA 8' x 14' x 6' Precast Concrete Underground Utility Vault.....	15,240.68	
	Note: 8" thick walls and top.		

33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0019	EA 4' x 4' x 7' Precast Concrete Underground Utility Vault.....	3,634.14	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0020	EA 4' x 6' x 7' Precast Concrete Underground Utility Vault.....	4,718.84	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0021	EA 4' x 8' x 7' Precast Concrete Underground Utility Vault.....	5,803.53	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0022	EA 5' x 10' x 7' Precast Concrete Underground Utility Vault.....	7,722.15	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0023	EA 5' x 12' x 7' Precast Concrete Underground Utility Vault.....	8,903.88	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0024	EA 6' x 6' x 7' Precast Concrete Underground Utility Vault.....	5,997.62	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0025	EA 6' x 8' x 7' Precast Concrete Underground Utility Vault.....	7,276.42	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0026	EA 6' x 10' x 7' Precast Concrete Underground Utility Vault.....	8,555.17	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0027	EA 6' x 12' x 7' Precast Concrete Underground Utility Vault.....	12,396.77	
	Note: 8" thick walls and top.		
33 05 63 00-0028	EA 6' x 16' x 7' Precast Concrete Underground Utility Vault.....	15,572.79	
	Note: 8" thick walls and top.		
33 05 63 00-0029	EA 8' x 8' x 7' Precast Concrete Underground Utility Vault.....	8,749.25	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0030	EA 8' x 10' x 7' Precast Concrete Underground Utility Vault.....	10,221.28	
	Note: 6" thick walls and 8" thick top.		
33 05 63 00-0031	EA 8' x 12' x 7' Precast Concrete Underground Utility Vault.....	14,649.86	
	Note: 8" thick walls and top.		
33 05 63 00-0032	EA 8' x 14' x 7' Precast Concrete Underground Utility Vault.....	16,458.63	
	Note: 8" thick walls and top.		
33 05 63 00-0033	EA 10' x 10' x 7' Precast Concrete Underground Utility Vault.....	14,870.97	
	Note: 8" thick walls and top.		

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0034	8' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>			
33 05 63 00-0035	EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		3,966.23	
33 05 63 00-0036	EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		5,134.60	
33 05 63 00-0037	EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		8,345.37	
33 05 63 00-0038	EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		9,609.91	
33 05 63 00-0039	EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		6,496.19	
33 05 63 00-0040	EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		7,857.79	
33 05 63 00-0041	EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		9,219.40	
33 05 63 00-0042	EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		13,393.89	
33 05 63 00-0043	EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		16,791.66	
33 05 63 00-0044	EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		9,413.45	
33 05 63 00-0045	EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		10,969.12	
33 05 63 00-0046	EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		15,757.42	
33 05 63 00-0047	EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		17,677.49	
33 05 63 00-0048	EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		15,979.09	
33 05 63 00-0049	10' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>			
33 05 63 00-0050	EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		6,994.78	
33 05 63 00-0051	EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		8,439.16	
33 05 63 00-0052	EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.		17,086.59	
33 05 63 00-0053	12' High Precast Concrete Underground Utility Vault <small>(33 05 63 00-0002)</small>			
33 05 63 00-0054	EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		7,493.35	
33 05 63 00-0055	EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.		9,021.42	
33 05 63 00-0056	Meter Pit <small>(33 05 63 00-0001)</small>			
33 05 63 00-0057	Precast Concrete Meter Pit <small>(33 05 63 00-0056)</small>			
33 05 63 00-0058	EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....		2,266.01	
33 05 63 00-0059	EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....		3,047.79	
33 05 63 00-0060	EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....		3,790.72	
33 05 63 00-0061	EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....		4,675.90	
33 05 63 00-0062	EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....		6,391.46	
33 05 63 00-0063	EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....		3,412.99	
33 05 63 00-0064	EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....		4,675.90	
33 05 63 00-0065	EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....		5,990.05	
33 05 63 00-0066	EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....		7,474.17	
33 05 63 00-0067	EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....		10,479.78	
33 05 63 00-0068	Handhole Or Pull Box Enclosures <small>(33 05 63 00-0001)</small>			
33 05 63 00-0069	Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0069)</small>			
33 05 63 00-0070	Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0069)</small>			
33 05 63 00-0071	Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>			
33 05 63 00-0072	Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>			
33 05 63 00-0073	EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		240.17	19.25
33 05 63 00-0074	EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		211.48	42.71
33 05 63 00-0075	EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		322.69	64.06
33 05 63 00-0076	EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		373.45	64.06
33 05 63 00-0077	EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		356.68	64.06
33 05 63 00-0078	EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		429.88	64.06
33 05 63 00-0079	EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		418.83	64.06

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	567.05	64.06
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	804.52	85.41
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,123.51	85.41
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	736.71	117.45
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	836.61	117.45
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,356.27	117.45
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	787.14	128.12
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,114.35	128.12
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,381.93	128.12
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,014.82	128.12
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,133.91	194.01
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,626.38	194.01

33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0071)

33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	306.48	19.25
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	401.66	64.06
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	483.36	64.06
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	446.79	64.06
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	509.35	64.06
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	525.76	64.06
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	674.90	64.06
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	904.64	117.45
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,004.53	117.45
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,524.21	117.45
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,330.14	194.01
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,826.36	194.01

33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0070)

33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures

(33 05 63 00-0105)

33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	391.80	19.25
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	331.79	19.25
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	278.40	64.06
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	313.82	64.06
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	94.74	19.25
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	144.92	19.25
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.02	19.25
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	242.57	19.25
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	207.80	42.71
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	223.97	42.71
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	142.77	19.25
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	162.52	19.25
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	222.29	42.71
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.47	42.71
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	231.88	42.71
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	280.05	64.06
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.71	64.06
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	326.54	64.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	356.41	64.06
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	415.96	64.06
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	452.08	64.06
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	491.62	64.06
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	516.47	64.06
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	617.14	85.41
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	628.50	117.45
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	801.62	117.45
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	961.48	117.45
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,062.44	117.45
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,162.85	117.45
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,326.04	194.01
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	972.13	194.01
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,100.35	194.01
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,345.53	194.01
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,343.01	194.01
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,434.54	194.01
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,610.55	194.01
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,485.11	207.86
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,609.38	207.86
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,768.04	207.86
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,831.52	207.86
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,853.58	207.86
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,095.33	207.86
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,625.85	207.86
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,135.23	207.86
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,401.81	221.72
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,956.03	221.72
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,781.98	221.72
33 05 63 00-0154			Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	370.34	64.06
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	422.87	64.06
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	157.70	19.25
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.29	19.25
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	302.10	19.25
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	312.66	19.25
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	276.83	42.71
33 05 63 00-0162	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	288.09	42.71
33 05 63 00-0163	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	303.13	42.71
33 05 63 00-0164	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	211.42	19.25
33 05 63 00-0165	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	249.18	19.25
33 05 63 00-0166	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	302.76	42.71
33 05 63 00-0167	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	329.95	42.71

33 Utilities

33 05 Common Work Results for Utilities

33 05 63 Concrete Vaults and Chambers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.21	42.71
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	369.83	64.06
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.83	64.06
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	433.68	64.06
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	463.35	64.06
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	522.73	64.06
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	559.01	64.06
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	598.37	64.06
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	623.40	64.06
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	764.86	85.41
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	796.44	117.45
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	969.36	117.45
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,129.04	117.45
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,229.84	117.45
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,330.59	117.45
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,166.51	194.01
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,294.92	194.01
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,539.91	194.01

33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0186)

33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	340.98	64.06
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	394.97	64.06
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	117.56	19.25
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	191.05	19.25
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.78	19.25
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	283.52	19.25
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	257.52	42.71
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.81	42.71
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	167.65	19.25
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.90	42.71
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.88	42.71
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	283.03	42.71
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	365.70	64.06
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	418.99	64.06
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.71	64.06
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	478.90	64.06
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	517.72	64.06
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	554.37	64.06
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	619.99	64.06
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	629.14	64.06
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	776.30	85.41
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	811.28	117.45
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,002.25	117.45
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,191.11	117.45
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,316.56	117.45
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,442.00	117.45
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,559.76	194.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0214	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,205.87	194.01
33 05 63 00-0215	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,344.09	194.01
33 05 63 00-0216	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,589.10	194.01
33 05 63 00-0217	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,697.17	194.01
33 05 63 00-0218	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,731.01	194.01
33 05 63 00-0219	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,059.32	194.01
33 05 63 00-0220	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,914.74	207.86
33 05 63 00-0221	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,978.95	207.86
33 05 63 00-0222	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,161.09	207.86
33 05 63 00-0223	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,298.95	207.86
33 05 63 00-0224	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,114.68	207.86
33 05 63 00-0225	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,607.71	207.86
33 05 63 00-0226	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,268.18	207.86
33 05 63 00-0227	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,489.40	207.86
33 05 63 00-0228	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,010.30	221.72
33 05 63 00-0229	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,564.74	221.72
33 05 63 00-0230	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,795.12	221.72
33 05 63 00-0231			Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures		
			<small>(33 05 63 00-0105)</small>		
33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	432.90	64.06
33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	504.23	64.06
33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	180.02	19.25
33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	272.25	19.25
33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	342.71	19.25
33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	353.60	19.25
33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	338.00	42.71
33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	369.10	42.71
33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	256.89	19.25
33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	353.01	42.71
33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	391.99	42.71
33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	341.39	42.71
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	455.84	64.06
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	509.13	64.06
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	543.64	64.06
33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	585.85	64.06
33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	624.65	64.06
33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	661.32	64.06
33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	726.96	64.06
33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	736.07	64.06
33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	923.83	85.41
33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	979.20	117.45
33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,170.00	117.45
33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,358.66	117.45
33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,484.20	117.45

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,609.74	117.45
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,400.43	194.01
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,538.84	194.01
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,783.67	194.01

33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)

33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	363.40	64.06
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	245.35	42.71
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	275.40	42.71
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	324.39	64.06
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	255.19	42.71
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	283.98	42.71

33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)

33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	268.43	64.06
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	299.76	64.06
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	346.06	85.41
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	376.81	85.41
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	449.18	117.45
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	789.72	194.01
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	756.10	194.01
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	763.44	194.01
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,020.61	207.86
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,601.45	221.72
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,089.82	221.72
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	432.78	64.06
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	451.91	64.06
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	486.25	85.41
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	517.33	85.41
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	602.93	117.45
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	973.38	194.01
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	339.24	64.06
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	376.98	64.06
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	503.32	117.45
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	984.62	207.86

33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)**33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	93.26	8.56
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	94.47	8.56
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	87.57	8.56
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	94.70	8.56
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	95.60	8.54
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	109.65	8.54
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	127.02	8.54
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	832.23	24.95
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	728.65	24.95
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,089.45	24.95
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,101.75	24.95
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,247.74	24.95
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,359.25	24.95
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,182.55	24.95
33 05 63 00-0306	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	79.89	8.54
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	114.37	8.54
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	115.97	8.54
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	145.85	8.54
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	110.09	8.54
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	172.50	8.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	135.48	8.54
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	277.79	8.54
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	243.55	12.81
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	305.15	12.81
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	393.27	14.95
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	552.18	19.40
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	573.97	36.95
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	147.64	8.54
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	210.41	8.54
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	239.39	8.54
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	397.90	8.54
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	328.23	12.81
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	554.55	14.95
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	726.89	19.40
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	980.74	24.95
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	872.21	24.95
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,217.33	24.95
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,584.38	24.95
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,517.42	24.95
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,302.08	24.95
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,554.47	24.95
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	194.15	8.54
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	212.28	8.54
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	279.44	8.54
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	318.42	8.54
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	550.21	8.54
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	400.00	12.81
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	546.75	12.81
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	847.59	14.95
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	970.09	19.40
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,009.41	36.95
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,167.59	24.95
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,629.03	24.95
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,278.07	24.95
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,033.12	24.95
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,367.63	24.95
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	5,196.60	24.95

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	107.07	8.56
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	113.14	8.56
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.10	8.54
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	115.84	8.54
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	133.65	8.54
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	85.49	8.54
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	120.11	8.54
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	121.22	8.54
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	151.76	8.54
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	116.53	8.54
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	142.28	8.54
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	178.76	8.54
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	247.75	12.81
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	311.60	12.81
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	580.59	36.95
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	71.28	8.56
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	111.24	8.56
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	123.70	8.56
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	118.16	8.56
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	97.39	8.54
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	153.36	8.54
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	166.30	8.54
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	216.50	8.54
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	246.00	8.54
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	334.14	12.81
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	417.09	12.81
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	763.88	36.95

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	57.53	8.56
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	68.28	8.56
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	82.75	8.56
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	89.19	8.56
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	88.99	8.54
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	105.48	8.54
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	121.68	8.54
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	294.59	12.81
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	549.84	36.95
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	823.18	24.95
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	718.42	24.95
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,072.63	24.95
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,035.17	24.95

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,237.97	24.95
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,323.17	24.95
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,113.22	24.95
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	76.84	8.54
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	75.04	8.54
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.50	8.54
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	121.36	8.54
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	137.28	8.54
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	104.54	8.54
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	116.53	8.54
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	164.98	8.54
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	238.68	12.81
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	297.93	12.81
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	294.42	12.81
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	530.18	19.40
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	549.84	22.17

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	856.93	24.95
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,239.22	24.95
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	719.16	36.95
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	952.54	36.95
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,017.45	24.95
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,385.39	24.95

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	334.25	12.81
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	621.04	19.40
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	649.62	36.95
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	54.54	8.56
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	89.76	8.56
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	98.67	8.56
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	104.56	8.56
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	91.85	8.54
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	161.05	8.54
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	447.39	12.81
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	825.09	19.40
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	864.93	36.95

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	703.67	186.25
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,190.39	279.37
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	90.20	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,435.48	372.49
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	153.80	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,494.41	372.49
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	191.93	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,750.73	465.61
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	229.03	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,848.59	465.61
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	257.41	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,130.99	558.75
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	298.88	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,444.57	651.87
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	433.77	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,421.56	558.75
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	488.20	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,446.55	558.75
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	318.00	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	543.67	186.25
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	642.88	209.53
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	794.68	232.81
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 81 Metallic Castings for Utility Structures (33 05)

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

33 05 81 00-0001	Manhole Accessories <small>(33 05 81)</small>		
33 05 81 00-0002	Steps For Cast-In-Place Manholes <small>(33 05 81 00-0001)</small> See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 81 00-0003	EA Cast Iron Manhole Step For New Manholes.....	68.57	
33 05 81 00-0004	EA Galvanized Steel Manhole Step For New Manholes.....	47.30	
33 05 81 00-0005	EA Aluminum Manhole Step For New Manholes.....	60.03	
33 05 81 00-0006	Manhole Covers And Frames <small>(33 05 81)</small> Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007	Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company <small>(33 05 81 00-0006)</small>		
33 05 81 00-0008	EA 32" Solid Pattern Lid With Frame, Neenah # R-1557A.....	1,035.37	108.35
33 05 81 00-0009	EA 24-1/2" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1032).....	670.06	84.65
33 05 81 00-0010	EA 27-1/8" Round Manhole Frame And Parabolic Cover, Straight Side, heavy Duty (Syracuse Casting #1009-8).....	735.96	93.97
33 05 81 00-0011	EA 33" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1016A).....	976.71	105.81
33 05 81 00-0012	Watertight Type Manhole Covers And Frames <small>(33 05 81 00-0006)</small>		
33 05 81 00-0013	EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,127.60 621.86	60.10
33 05 81 00-0014	EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,150.21 623.90	60.10
33 05 81 00-0015	EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,179.32 628.01	70.26
33 05 81 00-0016	EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,393.89 761.56	78.72
33 05 81 00-0017	EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,601.77 899.04	80.42
33 05 81 00-0018	EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,681.51 951.95	82.11
33 05 81 00-0019	EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame..... <i>For Ductile Iron Castings, Add</i>	1,753.17 999.09	84.65
33 05 81 00-0020	Removal And Reinstallation Of Manhole Cover And Frame <small>(33 05 81 00-0006)</small> Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0021	EA Removal And Reinstallation Of Manhole Cover And Frame.....	339.40	
33 05 83	Non-Metallic Accessories for Utility Structures <small>(33 05)</small>		
33 05 83 00-0001	Manhole Accessories <small>(33 05 83)</small>		
33 05 83 00-0002	Steps For Cast-In-Place Manholes <small>(33 05 83 00-0001)</small> See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 83 00-0003	EA Polypropylene Manhole Step For New Manholes.....	36.16	
33 05 83 00-0004	Rainguard Inflow Protectors <small>(33 05 83)</small>		
33 05 83 00-0005	EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	106.25	18.30
33 05 83 00-0006	EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	122.45	18.30
33 05 83 00-0007	EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	146.42	21.96
33 05 83 00-0008	EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	156.66	21.96
33 05 83 00-0009	EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	194.11	25.62
33 05 83 00-0010	EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	206.68	25.62
33 05 84	Accessories for Utility Structures <small>(33 05)</small> See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001	Manhole Accessories <small>(33 05 84)</small>		
33 05 84 00-0002	Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004	EA 4' Diameter, Precast Concrete Manhole Slab Top.....	560.39	68.57
33 05 84 00-0005	EA 5' Diameter, Precast Concrete Manhole Slab Top.....	768.73	73.65
33 05 84 00-0006	EA 6' Diameter, Precast Concrete Manhole Slab Top.....	1,100.92	78.72
33 05 84 00-0007	EA 7' Diameter, Precast Concrete Manhole Slab Top.....	1,660.57	78.72
33 05 84 00-0008	EA 8' Diameter, Precast Concrete Manhole Slab Top.....	2,261.34	78.72
33 05 84 00-0009	EA 10' Diameter, Precast Concrete Manhole Slab Top.....	3,781.41	78.72
33 05 84 00-0010	EA 12' Diameter, Precast Concrete Manhole Slab Top.....	5,376.41	78.72
33 05 84 00-0011	Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0012	EA 4' Diameter, Precast Concrete Manhole Cone Top.....	628.10	85.71
33 05 84 00-0013	EA 5' Diameter, Precast Concrete Manhole Cone Top.....	1,188.17	92.06
33 05 84 00-0014	EA 6' Diameter, Precast Concrete Manhole Cone Top.....	1,763.15	101.58
33 05 84 00-0015	Precast Concrete Manhole Reducer Slabs <small>(33 05 84 00-0002)</small>		
33 05 84 00-0016	EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,010.12	73.65

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 84 00-0017	EA	6" Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab		1,304.41	78.72
33 05 84 00-0018	EA	7" Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab		1,727.88	78.72
33 05 84 00-0019	EA	8" Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab		2,745.36	78.72
33 05 84 00-0020	EA	10" Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab		3,536.93	78.72
33 05 84 00-0021	EA	12" Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab		5,130.93	78.72
33 05 84 00-0022		Pipe To Manhole Connector (33 05 84 00-0001)			
33 05 84 00-0023		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0022)			
33 05 84 00-0024	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		64.75	
33 05 84 00-0025	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		97.53	
33 05 84 00-0026	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		109.84	
33 05 84 00-0027	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		169.55	
33 05 84 00-0028	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		238.35	
33 05 84 00-0029	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		314.18	
33 05 84 00-0030	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		573.88	
33 05 84 00-0031	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		798.90	
33 05 84 00-0032	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		1,269.65	
33 05 84 00-0033	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....		1,492.09	
33 05 84 00-0034		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0022)			
		Note: Fernco CMA.			
33 05 84 00-0035	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....		86.76	
33 05 84 00-0036	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....		120.17	
33 05 84 00-0037	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....		151.74	
33 05 84 00-0038	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....		183.17	
33 05 84 00-0039	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....		212.56	
33 05 84 00-0040		Brick And Grout Pipe To Manhole Connector (33 05 84 00-0022)			
33 05 84 00-0041	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....		212.11	
33 05 84 00-0042		Inverts For Manholes (33 05 84 00-0001)			
33 05 84 00-0043	EA	Single Channel Concrete Invert For Manholes		374.58	
33 05 84 00-0044	EA	Double Channel Concrete Invert For Manholes		537.36	
33 05 84 00-0045	EA	Triple Channel Concrete Invert For Manholes		724.72	
33 05 84 00-0046	EA	Quad Channel Concrete Invert For Manholes		912.03	
33 05 84 00-0047	EA	Single Channel Brick Invert For Manholes.....		534.77	
33 05 84 00-0048	EA	Double Channel Brick Invert For Manholes		800.53	
33 05 84 00-0049	EA	Triple Channel Brick Invert For Manholes.....		1,070.82	
33 05 84 00-0050	EA	Quad Channel Brick Invert For Manholes.....		1,338.14	
33 05 84 00-0051		Protective Coating For New Manholes (33 05 84 00-0001)			
33 05 84 00-0052		Polyurethane Protective Coating For New Manholes (33 05 84 00-0051)			
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior		148.72	
		For 80 Mil Material, Add		22.09	
		For 100 Mil Material, Add		44.18	
		For 125 Mil Material, Add		69.80	
		For 150 Mil Material, Add		95.42	
		For 200 Mil Material, Add		141.35	
		For 2 To 5 Manholes, Deduct		-10.10	
		For 6 To 10 Manholes, Deduct		-16.47	
		For >10 Manholes, Deduct		-32.95	
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior		179.46	
		For 80 Mil Material, Add		26.23	
		For 100 Mil Material, Add		52.46	
		For 125 Mil Material, Add		82.81	
		For 150 Mil Material, Add		113.17	
		For 200 Mil Material, Add		167.37	
		For 2 To 5 Manholes, Deduct		-12.22	
		For 6 To 10 Manholes, Deduct		-19.96	
		For >10 Manholes, Deduct		-39.92	
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior		198.29	
		For 80 Mil Material, Add		29.45	
		For 100 Mil Material, Add		58.91	
		For 125 Mil Material, Add		93.07	
		For 150 Mil Material, Add		127.23	
		For 200 Mil Material, Add		188.45	
		For 2 To 5 Manholes, Deduct		-13.46	
		For 6 To 10 Manholes, Deduct		-21.96	
		For >10 Manholes, Deduct		-43.93	
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior		247.90	
		For 80 Mil Material, Add		36.83	
		For 100 Mil Material, Add		73.67	
		For 125 Mil Material, Add		116.38	
		For 150 Mil Material, Add		159.10	
		For 200 Mil Material, Add		235.67	
		For 2 To 5 Manholes, Deduct		-16.83	
		For 6 To 10 Manholes, Deduct		-27.46	
		For >10 Manholes, Deduct		-54.91	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 84 00-0057		VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	288.02	
		<i>For 80 Mil Material, Add</i>	43.49	
		<i>For 100 Mil Material, Add</i>	86.97	
		<i>For 125 Mil Material, Add</i>	137.52	
		<i>For 150 Mil Material, Add</i>	188.07	
		<i>For 200 Mil Material, Add</i>	279.00	
		<i>For 2 To 5 Manholes, Deduct</i>	-19.48	
		<i>For 6 To 10 Manholes, Deduct</i>	-31.77	
		<i>For >10 Manholes, Deduct</i>	-63.53	

33 05 84 00-0058 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0051)
 Note: For new manholes and shop applied.

33 05 84 00-0059		VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	199.07	
33 05 84 00-0060		VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	244.02	
33 05 84 00-0061		VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.78	
33 05 84 00-0062		VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	373.96	
33 05 84 00-0063		VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	450.13	
33 05 84 00-0064		SF Polyvinyl Chloride (PVC) Liner At Structures	35.21	

33 05 84 00-0065 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)

33 05 84 00-0066 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)

33 05 84 00-0067	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	71.00	
33 05 84 00-0068	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	77.58	
33 05 84 00-0069	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	84.16	
33 05 84 00-0070	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	90.75	

33 05 84 00-0071 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)

33 05 84 00-0072	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	79.72	
33 05 84 00-0073	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	87.20	
33 05 84 00-0074	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	94.68	
33 05 84 00-0075	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	102.16	

33 05 84 00-0076 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)

33 05 84 00-0077	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	88.25	
33 05 84 00-0078	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	96.59	
33 05 84 00-0079	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	104.93	
33 05 84 00-0080	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	113.27	

33 05 84 00-0081 Bentonite Collar (33 05 84 00-0001)

33 05 84 00-0082 Bentonite Collar At Manhole Connections (33 05 84 00-0081)

33 05 84 00-0083	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	102.96	
33 05 84 00-0084	EA	>12" To 21", Bentonite Collar At Manhole Connection	163.05	
33 05 84 00-0085	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	257.83	
33 05 84 00-0086	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	602.02	
33 05 84 00-0087	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	943.46	
33 05 84 00-0088	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,714.61	

33 05 84 00-0089 Waste Water Collection System Taps (33 05 84)

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0090 Precast Concrete Manhole Tap (33 05 84 00-0089)

33 05 84 00-0091	EA	4" Tap In Existing Precast Concrete Manhole	605.59	
33 05 84 00-0092	EA	6" Tap In Existing Precast Concrete Manhole	678.44	
33 05 84 00-0093	EA	8" Tap In Existing Precast Concrete Manhole	758.60	
33 05 84 00-0094	EA	10" Tap In Existing Precast Concrete Manhole	830.01	
33 05 84 00-0095	EA	12" Tap In Existing Precast Concrete Manhole	901.27	
33 05 84 00-0096	EA	15" Tap In Existing Precast Concrete Manhole	974.26	

33 05 97 Identification and Signage for Utilities (33 05)

33 05 97 23 Utility Identification Warning Tape (33 05 97)

33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	6.08	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	8.43	

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	6.13	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	8.26	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	13.02	

33 10 Water Utilities (33)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 14 Water Utility Transmission and Distribution** (33 10)**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe.....	31.69	9.97
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	11.62	
	For Cement Mortar Lining (CML), Add	1.66	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	8.96	
	For Fusion Bonded Epoxy Lining (206N), Add	2.99	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.25	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.58	
	For Class 52, Add	3.62	
	For Class 53, Add	9.46	
	For Class 54, Add	13.48	
	For Class 55, Add	15.53	
	For Class 56, Add	17.54	
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe.....	34.33	10.62
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.77	
	For Cement Mortar Lining (CML), Add	1.82	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	9.85	
	For Fusion Bonded Epoxy Lining (206N), Add	3.28	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.37	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.72	
	For Class 51, Add	1.78	
	For Class 52, Add	3.96	
	For Class 53, Add	10.38	
	For Class 54, Add	14.78	
	For Class 55, Add	17.03	
	For Class 56, Add	19.24	
33 14 13 13-0006	LF 6", Class 50, Mechanical Joint Ductile Iron Pipe.....	36.65	11.14
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.86	
	For Cement Mortar Lining (CML), Add	1.98	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	10.69	
	For Fusion Bonded Epoxy Lining (206N), Add	3.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.83	
	For Class 51, Add	1.92	
	For Class 52, Add	4.28	
	For Class 53, Add	11.24	
	For Class 54, Add	16.02	
	For Class 55, Add	18.45	
	For Class 56, Add	20.84	
33 14 13 13-0007	LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	42.88	11.59
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.73	
	For Cement Mortar Lining (CML), Add	2.53	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.68	
	For Fusion Bonded Epoxy Lining (206N), Add	4.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.90	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.14	
	For Class 51, Add	2.41	
	For Class 52, Add	5.38	
	For Class 53, Add	14.23	
	For Class 54, Add	20.29	
	For Class 55, Add	23.35	
	For Class 56, Add	26.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008	LF	10"	Class 50, Mechanical Joint Ductile Iron Pipe.....	57.70	16.33
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.77	
			For Cement Mortar Lining (CML), Add	3.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.48	
			For Fusion Bonded Epoxy Lining (206N), Add	5.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.47	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-2.89	
			For Class 51, Add	3.15	
			For Class 52, Add	7.05	
			For Class 53, Add	18.59	
			For Class 54, Add	26.49	
			For Class 55, Add	30.49	
			For Class 56, Add	34.43	
33 14 13 13-0009	LF	12"	Class 50, Mechanical Joint Ductile Iron Pipe.....	69.59	18.15
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.05	
			For Cement Mortar Lining (CML), Add	4.21	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.84	
			For Fusion Bonded Epoxy Lining (206N), Add	7.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.16	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.48	
			For Class 51, Add	3.98	
			For Class 52, Add	8.90	
			For Class 53, Add	23.59	
			For Class 54, Add	33.63	
			For Class 55, Add	38.69	
			For Class 56, Add	43.67	
33 14 13 13-0010	LF	14"	Class 50, Mechanical Joint Ductile Iron Pipe.....	83.13	20.38
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.96	
			For Cement Mortar Lining (CML), Add	5.22	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	17.74	
			For Fusion Bonded Epoxy Lining (206N), Add	9.39	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.91	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.16	
			For Class 51, Add	4.89	
			For Class 52, Add	10.96	
			For Class 53, Add	29.13	
			For Class 54, Add	41.55	
			For Class 55, Add	47.78	
			For Class 56, Add	53.91	
33 14 13 13-0011	LF	16"	Class 50, Mechanical Joint Ductile Iron Pipe.....	93.87	23.34
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.99	
			For Cement Mortar Lining (CML), Add	5.85	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.14	
			For Fusion Bonded Epoxy Lining (206N), Add	10.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.39	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.69	
			For Class 51, Add	5.49	
			For Class 52, Add	12.30	
			For Class 53, Add	32.68	
			For Class 54, Add	46.61	
			For Class 55, Add	53.61	
			For Class 56, Add	60.49	
33 14 13 13-0012	LF	18"	Class 50, Mechanical Joint Ductile Iron Pipe.....	116.28	27.22
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.77	
			For Cement Mortar Lining (CML), Add	7.50	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.26	
			For Fusion Bonded Epoxy Lining (206N), Add	13.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.63	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.81	
			For Class 51, Add	6.99	
			For Class 52, Add	15.67	
			For Class 53, Add	41.76	
			For Class 54, Add	59.57	
			For Class 55, Add	68.50	
			For Class 56, Add	77.27	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe.....	132.14	32.67
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.40	
		For Cement Mortar Lining (CML), Add	8.26	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	23.14	
		For Fusion Bonded Epoxy Lining (206N), Add	14.88	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.20	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-6.61	
		For Class 51, Add	7.75	
		For Class 52, Add	17.36	
		For Class 53, Add	46.14	
		For Class 54, Add	65.81	
		For Class 55, Add	75.69	
		For Class 56, Add	85.40	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe.....	172.78	40.84
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.38	
		For Cement Mortar Lining (CML), Add	11.09	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	23.29	
		For Fusion Bonded Epoxy Lining (206N), Add	19.96	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.32	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-8.64	
		For Class 51, Add	10.34	
		For Class 52, Add	23.19	
		For Class 53, Add	61.76	
		For Class 54, Add	88.09	
		For Class 55, Add	101.30	
		For Class 56, Add	114.27	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe.....	222.40	43.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.48	
		For Cement Mortar Lining (CML), Add	15.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	28.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.73	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-11.12	
		For Class 51, Add	14.32	
		For Class 52, Add	32.16	
		For Class 53, Add	86.29	
		For Class 54, Add	123.16	
		For Class 55, Add	141.52	
		For Class 56, Add	159.55	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe.....	265.69	46.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.63	
		For Cement Mortar Lining (CML), Add	19.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	35.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.67	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-13.28	
		For Class 51, Add	17.75	
		For Class 52, Add	39.91	
		For Class 53, Add	107.44	
		For Class 54, Add	153.39	
		For Class 55, Add	176.19	
		For Class 56, Add	198.58	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe.....	326.19	49.42
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.10	
		For Cement Mortar Lining (CML), Add	25.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	45.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.90	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-16.31	
		For Class 51, Add	22.67	
		For Class 52, Add	51.01	
		For Class 53, Add	137.80	
		For Class 54, Add	196.80	
		For Class 55, Add	225.97	
		For Class 56, Add	254.61	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe.....	399.49	52.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.55	
		For Cement Mortar Lining (CML), Add	32.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	57.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.08	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-19.97	
		For Class 51, Add	28.69	
		For Class 52, Add	64.61	
		For Class 53, Add	175.03	
		For Class 54, Add	250.02	
		For Class 55, Add	287.00	
		For Class 56, Add	323.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>					
33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow	126.41	31.50
			For Cement Mortar Lining (CML), Add	7.87	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	14.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA		4" Mechanical Joint Ductile Iron 90 Degree Elbow	142.65	37.64
			For Cement Mortar Lining (CML), Add	8.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	15.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.42	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA		6" Mechanical Joint Ductile Iron 90 Degree Elbow	224.23	55.63
			For Cement Mortar Lining (CML), Add	14.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	25.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.50	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA		8" Mechanical Joint Ductile Iron 90 Degree Elbow	303.64	65.99
			For Cement Mortar Lining (CML), Add	20.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	36.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.27	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA		10" Mechanical Joint Ductile Iron 90 Degree Elbow	433.67	72.43
			For Cement Mortar Lining (CML), Add	32.40	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	58.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.30	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA		12" Mechanical Joint Ductile Iron 90 Degree Elbow	564.85	84.97
			For Cement Mortar Lining (CML), Add	43.62	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	78.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.71	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA		14" Mechanical Joint Ductile Iron 90 Degree Elbow	874.40	95.28
			For Cement Mortar Lining (CML), Add	73.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	131.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.75	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA		16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,156.50	108.90
			For Cement Mortar Lining (CML), Add	99.15	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	178.47	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.36	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA		18" Mechanical Joint Ductile Iron 90 Degree Elbow	1,424.93	152.45
			For Cement Mortar Lining (CML), Add	119.40	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	214.92	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.55	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA		20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,953.59	190.56
			For Cement Mortar Lining (CML), Add	166.49	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	299.68	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.87	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA		24" Mechanical Joint Ductile Iron 90 Degree Elbow	2,869.69	253.76
			For Cement Mortar Lining (CML), Add	248.52	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	447.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.39	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA		30" Mechanical Joint Ductile Iron 90 Degree Elbow	4,400.53	272.24
			For Cement Mortar Lining (CML), Add	398.80	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	717.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	299.10	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0032	EA		36" Mechanical Joint Ductile Iron 90 Degree Elbow	6,663.05	282.63
			For Cement Mortar Lining (CML), Add	623.49	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,122.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	467.61	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA		42" Mechanical Joint Ductile Iron 90 Degree Elbow	11,186.45	326.69
			For Cement Mortar Lining (CML), Add	1,069.15	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,924.46	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	801.86	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA		48" Mechanical Joint Ductile Iron 90 Degree Elbow	14,782.63	347.56
			For Cement Mortar Lining (CML), Add	1,425.61	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,566.09	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,069.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035			Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036	EA		3" Mechanical Joint Ductile Iron 45 Degree Elbow	118.31	31.50
			For Cement Mortar Lining (CML), Add	7.06	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.29	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA		4" Mechanical Joint Ductile Iron 45 Degree Elbow	127.60	37.64
			For Cement Mortar Lining (CML), Add	7.06	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.29	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA		6" Mechanical Joint Ductile Iron 45 Degree Elbow	197.62	55.63
			For Cement Mortar Lining (CML), Add	11.34	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	20.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.50	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA		8" Mechanical Joint Ductile Iron 45 Degree Elbow	265.47	65.99
			For Cement Mortar Lining (CML), Add	16.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	29.78	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.41	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA		10" Mechanical Joint Ductile Iron 45 Degree Elbow	351.52	72.43
			For Cement Mortar Lining (CML), Add	24.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	43.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA		12" Mechanical Joint Ductile Iron 45 Degree Elbow	489.65	84.97
			For Cement Mortar Lining (CML), Add	36.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	64.97	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.07	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA		14" Mechanical Joint Ductile Iron 45 Degree Elbow	712.43	95.28
			For Cement Mortar Lining (CML), Add	56.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	102.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.61	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA		16" Mechanical Joint Ductile Iron 45 Degree Elbow	873.05	108.90
			For Cement Mortar Lining (CML), Add	70.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	127.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA		18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,246.76	152.45
			For Cement Mortar Lining (CML), Add	101.58	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	182.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.19	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0045	EA		20" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,373.95 108.52 195.34 81.39	190.56
33 14 13 13-0046	EA		24" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,033.21 164.87 296.76 123.65	253.76
33 14 13 13-0047	EA		30" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,761.89 334.94 602.89 251.21	272.24
33 14 13 13-0048	EA		36" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,325.60 489.74 881.53 367.31	282.63
33 14 13 13-0049	EA		42" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,019.85 752.49 1,354.48 564.37	326.69
33 14 13 13-0050	EA		48" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,387.34 986.08 1,774.94 739.56	347.56
33 14 13 13-0051			Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0052	EA		3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	103.27 5.55 10.00 4.16	31.50
33 14 13 13-0053	EA		4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	124.13 6.71 12.08 5.03	37.64
33 14 13 13-0054	EA		6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	188.37 10.41 18.74 7.81	55.63
33 14 13 13-0055	EA		8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	261.99 16.20 29.15 12.15	65.99
33 14 13 13-0056	EA		10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	350.37 24.07 43.32 18.05	72.43
33 14 13 13-0057	EA		12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	444.53 31.59 56.85 23.69	84.97

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	719.37	95.28
For Cement Mortar Lining (CML), Add	57.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	103.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	844.13	108.90
For Cement Mortar Lining (CML), Add	67.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	122.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,065.12	152.45
For Cement Mortar Lining (CML), Add	83.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	150.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,422.54	190.56
For Cement Mortar Lining (CML), Add	113.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	204.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,905.94	253.76
For Cement Mortar Lining (CML), Add	152.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	273.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,219.27	272.24
For Cement Mortar Lining (CML), Add	280.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	505.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,542.34	282.63
For Cement Mortar Lining (CML), Add	411.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	740.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	308.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,706.70	326.69
For Cement Mortar Lining (CML), Add	621.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,118.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	465.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,614.88	347.56
For Cement Mortar Lining (CML), Add	808.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,455.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	606.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	103.27	31.50
For Cement Mortar Lining (CML), Add	5.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	120.66	37.64
For Cement Mortar Lining (CML), Add	6.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	191.84	55.63
For Cement Mortar Lining (CML), Add	10.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.07	
Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0071	EA		8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	246.95 14.69 26.45 11.02	65.99
33 14 13 13-0072	EA		10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	348.05 23.83 42.90 17.87	72.43
33 14 13 13-0073	EA		12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	424.86 29.62 53.31 22.21	84.97
33 14 13 13-0074	EA		14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	800.36 65.60 118.08 49.20	95.28
33 14 13 13-0075	EA		16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	883.46 71.85 129.32 53.89	108.90
33 14 13 13-0076	EA		18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,284.94 105.40 189.72 79.05	152.45
33 14 13 13-0077	EA		20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,356.59 106.79 192.22 80.09	190.56
33 14 13 13-0078	EA		24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,808.76 142.42 256.36 106.82	253.76
33 14 13 13-0079	EA		30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,270.18 285.77 514.38 214.33	272.24
33 14 13 13-0080	EA		36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,334.09 390.59 703.06 292.94	282.63
33 14 13 13-0081	EA		42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,423.24 592.83 1,067.09 444.62	326.69
33 14 13 13-0082	EA		48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,559.34 803.28 1,445.90 602.46	347.56
33 14 13 13-0083			Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	129.88	31.50
		For Cement Mortar Lining (CML), Add	8.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	14.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	158.84	37.64
		For Cement Mortar Lining (CML), Add	10.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	18.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	253.16	55.63
		For Cement Mortar Lining (CML), Add	16.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	341.82	65.99
		For Cement Mortar Lining (CML), Add	24.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	43.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	489.20	72.43
		For Cement Mortar Lining (CML), Add	37.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	68.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	625.02	84.97
		For Cement Mortar Lining (CML), Add	49.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	89.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,067.61	95.28
		For Cement Mortar Lining (CML), Add	92.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	166.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,627.39	108.90
		For Cement Mortar Lining (CML), Add	146.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	263.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	1,892.34	152.45
		For Cement Mortar Lining (CML), Add	166.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	299.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	2,569.09	190.56
		For Cement Mortar Lining (CML), Add	228.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	410.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	171.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	3,124.22	253.76
		For Cement Mortar Lining (CML), Add	273.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	493.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.48	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	5,807.39	272.24
		For Cement Mortar Lining (CML), Add	539.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	971.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	404.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	10,369.95	282.63
		For Cement Mortar Lining (CML), Add	994.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,789.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	745.63	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0097			Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	119.47	31.50
			For Cement Mortar Lining (CML), Add	7.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	131.08	37.64
			For Cement Mortar Lining (CML), Add	7.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	13.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.55	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	210.35	55.63
			For Cement Mortar Lining (CML), Add	12.61	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	22.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	302.49	65.99
			For Cement Mortar Lining (CML), Add	20.25	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	36.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.19	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	410.53	72.43
			For Cement Mortar Lining (CML), Add	30.08	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	54.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.56	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	556.76	84.97
			For Cement Mortar Lining (CML), Add	42.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	77.05	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	946.13	95.28
			For Cement Mortar Lining (CML), Add	80.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	144.32	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.13	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,436.49	108.90
			For Cement Mortar Lining (CML), Add	127.15	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	228.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.36	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,699.13	152.45
			For Cement Mortar Lining (CML), Add	146.82	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	264.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,205.80	190.56
			For Cement Mortar Lining (CML), Add	191.71	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	345.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.78	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,773.66	253.76
			For Cement Mortar Lining (CML), Add	238.91	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	430.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	179.18	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	5,105.12	272.24
			For Cement Mortar Lining (CML), Add	469.26	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	844.67	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	351.95	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	9,077.62		282.63
		<i>For Cement Mortar Lining (CML), Add</i>	864.94		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,556.90		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	648.71		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)			
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee.....	205.81		47.26
		<i>For Cement Mortar Lining (CML), Add</i>	13.42		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	24.16		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	10.07		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee.....	214.23		52.81
		<i>For Cement Mortar Lining (CML), Add</i>	13.42		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	24.16		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	10.07		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee.....	196.47		55.63
		<i>For Cement Mortar Lining (CML), Add</i>	11.22		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	20.20		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	8.42		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee.....	261.20		70.08
		<i>For Cement Mortar Lining (CML), Add</i>	15.50		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	27.91		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	11.63		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee.....	299.13		72.97
		<i>For Cement Mortar Lining (CML), Add</i>	18.86		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	33.94		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	14.14		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee.....	326.18		81.69
		<i>For Cement Mortar Lining (CML), Add</i>	20.25		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	36.44		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	15.19		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee.....	346.78		84.56
		<i>For Cement Mortar Lining (CML), Add</i>	21.87		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	39.36		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	16.40		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee.....	393.50		93.25
		<i>For Cement Mortar Lining (CML), Add</i>	25.22		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	45.40		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	18.92		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee.....	454.34		99.06
		<i>For Cement Mortar Lining (CML), Add</i>	30.43		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	54.77		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	22.82		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee.....	471.91		90.02
		<i>For Cement Mortar Lining (CML), Add</i>	33.55		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	60.39		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	25.16		
		<i>Note: ANSI/AWWA C151/A21.51</i>			
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee.....	473.88		98.19
		<i>For Cement Mortar Lining (CML), Add</i>	32.51		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	58.52		
		<i>Note: ANSI/AWWA C104/A21.4</i>			
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	24.38		
		<i>Note: ANSI/AWWA C151/A21.51</i>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0123	EA		10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	537.66 38.06 68.52 28.55	103.63
33 14 13 13-0124	EA		10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	600.01 43.50 78.30 32.63	108.90
33 14 13 13-0125	EA		12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	563.61 41.07 73.93 30.80	100.91
33 14 13 13-0126	EA		12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	639.61 47.44 85.38 35.58	109.07
33 14 13 13-0127	EA		12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	783.24 60.97 109.75 45.73	114.52
33 14 13 13-0128	EA		12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	838.63 65.72 118.29 49.29	119.79
33 14 13 13-0129	EA		12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	797.13 60.74 109.33 45.56	125.23
33 14 13 13-0130	EA		14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	849.71 65.72 118.29 49.29	127.09
33 14 13 13-0131	EA		14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	944.75 74.39 133.91 55.79	132.55
33 14 13 13-0132	EA		14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,202.62 99.38 178.89 74.54	137.80
33 14 13 13-0133	EA		14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,284.91 106.79 192.22 80.09	143.24
33 14 13 13-0134	EA		14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,241.87 101.12 182.01 75.84	152.29
33 14 13 13-0135	EA		16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,078.96 84.81 152.65 63.60	152.44

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CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee.....	1,160.18	157.90
		For Cement Mortar Lining (CML), Add	92.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	165.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee.....	1,348.64	163.15
		For Cement Mortar Lining (CML), Add	110.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee.....	1,474.90	168.60
		For Cement Mortar Lining (CML), Add	121.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	219.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee.....	1,772.00	177.61
		For Cement Mortar Lining (CML), Add	150.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	270.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee.....	1,677.83	190.32
		For Cement Mortar Lining (CML), Add	138.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	250.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee.....	1,496.53	195.11
		For Cement Mortar Lining (CML), Add	120.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	216.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee.....	1,604.29	200.55
		For Cement Mortar Lining (CML), Add	130.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	234.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee.....	1,734.90	205.82
		For Cement Mortar Lining (CML), Add	142.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	256.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee.....	1,864.63	211.26
		For Cement Mortar Lining (CML), Add	154.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	278.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee.....	1,918.78	220.27
		For Cement Mortar Lining (CML), Add	158.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	285.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	118.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee.....	2,047.90	232.95
		For Cement Mortar Lining (CML), Add	169.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	305.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee.....	2,396.06	254.25
		For Cement Mortar Lining (CML), Add	201.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	361.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee.....	1,775.24	279.78
		For Cement Mortar Lining (CML), Add	135.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	243.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.35	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0149	EA		20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,813.58 138.14 248.65 103.61	285.24
33 14 13 13-0150	EA		20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,973.11 153.30 275.93 114.97	290.49
33 14 13 13-0151	EA		20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,131.77 168.34 303.01 126.25	295.93
33 14 13 13-0152	EA		20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,158.14 169.61 305.30 127.21	304.94
33 14 13 13-0153	EA		20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,191.24 171.00 307.80 128.25	317.62
33 14 13 13-0154	EA		20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,746.49 223.29 401.93 167.47	338.95
33 14 13 13-0155	EA		20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,431.16 185.35 333.62 139.01	381.30
33 14 13 13-0156	EA		24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,177.34 162.55 292.60 121.91	364.20
33 14 13 13-0157	EA		24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,206.42 164.64 296.34 123.48	370.16
33 14 13 13-0158	EA		24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,427.27 185.92 334.66 139.44	374.91
33 14 13 13-0159	EA		24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,487.58 191.13 344.03 143.35	380.35
33 14 13 13-0160	EA		24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,795.10 220.52 396.93 165.39	389.36
33 14 13 13-0161	EA		24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,016.78 240.76 433.37 180.57	402.03

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee.....	3,423.96	423.37
		For Cement Mortar Lining (CML), Add	278.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	500.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	208.69	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee.....	3,794.70	465.70
		For Cement Mortar Lining (CML), Add	308.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	556.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee.....	3,520.81	507.93
		For Cement Mortar Lining (CML), Add	275.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	495.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	206.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee.....	3,755.08	429.63
		For Cement Mortar Lining (CML), Add	310.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	558.74	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee.....	3,953.95	434.89
		For Cement Mortar Lining (CML), Add	329.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	593.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	247.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee.....	4,153.10	440.33
		For Cement Mortar Lining (CML), Add	348.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	627.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	261.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee.....	4,437.48	449.35
		For Cement Mortar Lining (CML), Add	375.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	676.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee.....	4,745.93	597.86
		For Cement Mortar Lining (CML), Add	404.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	728.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	303.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee.....	4,875.42	483.34
		For Cement Mortar Lining (CML), Add	414.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	745.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee.....	5,074.94	525.69
		For Cement Mortar Lining (CML), Add	427.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	770.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee.....	5,334.41	567.90
		For Cement Mortar Lining (CML), Add	447.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	805.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	335.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee.....	6,673.35	597.86
		For Cement Mortar Lining (CML), Add	576.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,038.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	432.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee.....	3,922.68	424.18
		For Cement Mortar Lining (CML), Add	328.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	590.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	246.00	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0175	EA		36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,584.06 386.19 695.15 289.64	476.60
33 14 13 13-0176	EA		36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,094.15 436.41 785.53 327.30	481.87
33 14 13 13-0177	EA		36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,370.82 463.25 833.84 347.44	487.31
33 14 13 13-0178	EA		36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,570.74 481.87 867.37 361.41	496.32
33 14 13 13-0179	EA		36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,773.91 500.27 900.49 375.20	509.00
33 14 13 13-0180	EA		36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,162.56 535.90 964.63 401.93	530.32
33 14 13 13-0181	EA		36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,584.21 571.65 1,028.98 428.74	572.66
33 14 13 13-0182	EA		36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,282.17 635.06 1,143.10 476.29	614.87
33 14 13 13-0183	EA		36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,046.10 706.90 1,272.43 530.18	668.39
33 14 13 13-0184	EA		36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,383.25 837.06 1,506.71 627.80	668.39
33 14 13 13-0185	EA		42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,515.11 973.70 1,752.66 730.27	513.56
33 14 13 13-0186	EA		42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,725.44 993.37 1,788.06 745.02	522.58
33 14 13 13-0187	EA		42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,914.34 1,110.34 1,998.60 832.75	535.25

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee.....	11,148.34	556.58
		For Cement Mortar Lining (CML), Add	1,030.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,854.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	772.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee.....	11,212.49	598.92
		For Cement Mortar Lining (CML), Add	1,030.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,854.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	772.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee.....	11,465.03	641.13
		For Cement Mortar Lining (CML), Add	1,049.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,888.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	787.02	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee.....	13,889.19	671.12
		For Cement Mortar Lining (CML), Add	1,287.23	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,317.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	965.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee.....	14,465.07	694.60
		For Cement Mortar Lining (CML), Add	1,341.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,414.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,005.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee.....	15,298.30	707.74
		For Cement Mortar Lining (CML), Add	1,422.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,560.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,066.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee.....	12,382.20	555.40
		For Cement Mortar Lining (CML), Add	1,154.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,077.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	865.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee.....	12,604.10	564.41
		For Cement Mortar Lining (CML), Add	1,174.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,114.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	881.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee.....	12,918.33	577.09
		For Cement Mortar Lining (CML), Add	1,204.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,167.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	903.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee.....	13,244.51	598.42
		For Cement Mortar Lining (CML), Add	1,233.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,220.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	925.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee.....	13,603.69	640.76
		For Cement Mortar Lining (CML), Add	1,263.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,273.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	947.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee.....	13,706.97	682.96
		For Cement Mortar Lining (CML), Add	1,267.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,280.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	950.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee.....	16,666.81	712.95
		For Cement Mortar Lining (CML), Add	1,558.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,805.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,168.99	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA		48" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,993.17 1,787.74 3,217.92 1,340.80	736.44
33 14 13 13-0202	EA		48" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19,920.11 1,878.44 3,381.19 1,408.83	749.57
33 14 13 13-0203	EA		48" x 48" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,253.78 1,908.64 3,435.55 1,431.48	770.52
33 14 13 13-0204			Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0205	EA		4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	178.36 9.83 17.70 7.38	52.81
33 14 13 13-0206	EA		4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	268.20 18.40 33.11 13.80	55.60
33 14 13 13-0207	EA		6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	261.20 15.50 27.91 11.63	70.08
33 14 13 13-0208	EA		6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	300.29 18.97 34.15 14.23	72.97
33 14 13 13-0209	EA		6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	401.38 27.77 49.98 20.83	81.65
33 14 13 13-0210	EA		8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	511.06 38.30 68.93 28.72	84.56
33 14 13 13-0211	EA		8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	461.76 32.05 57.69 24.04	93.25
33 14 13 13-0212	EA		8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	555.00 40.49 72.89 30.37	99.04
33 14 13 13-0213	EA		10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	780.82 64.44 116.00 48.33	90.02

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	826.75	98.19
		For Cement Mortar Lining (CML), Add	67.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	122.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	948.38	103.63
		For Cement Mortar Lining (CML), Add	79.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	142.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,066.26	108.90
		For Cement Mortar Lining (CML), Add	90.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	162.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	994.00	100.91
		For Cement Mortar Lining (CML), Add	84.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,123.22	109.07
		For Cement Mortar Lining (CML), Add	95.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	172.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,350.15	114.52
		For Cement Mortar Lining (CML), Add	117.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	211.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,389.35	119.79
		For Cement Mortar Lining (CML), Add	120.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	217.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,262.23	125.22
		For Cement Mortar Lining (CML), Add	107.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	193.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,483.73	127.09
		For Cement Mortar Lining (CML), Add	129.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	232.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,695.61	132.55
		For Cement Mortar Lining (CML), Add	149.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	269.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,206.86	137.80
		For Cement Mortar Lining (CML), Add	199.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	359.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,363.20	143.24
		For Cement Mortar Lining (CML), Add	214.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	386.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	2,312.06	152.25
		For Cement Mortar Lining (CML), Add	208.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	374.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.10	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0227	EA		16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,529.10 129.81 233.66 97.36	152.44
33 14 13 13-0228	EA		16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,680.81 144.16 259.48 108.12	157.90
33 14 13 13-0229	EA		16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,976.87 172.97 311.34 129.72	163.15
33 14 13 13-0230	EA		16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,208.41 195.30 351.53 146.47	168.60
33 14 13 13-0231	EA		16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,756.57 248.75 447.74 186.56	177.61
33 14 13 13-0232	EA		16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,662.40 237.41 427.33 178.06	190.28
33 14 13 13-0233	EA		18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,397.81 210.22 378.40 157.67	195.11
33 14 13 13-0234	EA		18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,579.61 227.57 409.63 170.68	200.55
33 14 13 13-0235	EA		18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,755.34 244.35 439.83 183.26	205.82
33 14 13 13-0236	EA		18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,946.39 262.63 472.73 196.97	211.26
33 14 13 13-0237	EA		18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,980.86 264.71 476.48 198.53	220.27
33 14 13 13-0238	EA		18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,013.96 266.10 478.98 199.58	232.95
33 14 13 13-0239	EA		18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,766.29 238.10 428.58 178.58	254.27

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,855.84	279.78
		For Cement Mortar Lining (CML), Add	243.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	437.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	182.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,918.48	285.24
		For Cement Mortar Lining (CML), Add	248.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	447.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.47	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,199.49	290.49
		For Cement Mortar Lining (CML), Add	275.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	496.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	206.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,478.47	295.93
		For Cement Mortar Lining (CML), Add	303.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	545.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	227.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,515.26	304.94
		For Cement Mortar Lining (CML), Add	305.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	549.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	228.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	3,558.76	317.62
		For Cement Mortar Lining (CML), Add	307.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	553.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	230.81	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,116.33	338.95
		For Cement Mortar Lining (CML), Add	360.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	648.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	270.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	3,914.38	381.29
		For Cement Mortar Lining (CML), Add	333.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	600.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	250.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,477.76	364.20
		For Cement Mortar Lining (CML), Add	292.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	526.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	219.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	3,523.04	369.64
		For Cement Mortar Lining (CML), Add	296.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	533.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	222.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,913.97	374.91
		For Cement Mortar Lining (CML), Add	334.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	602.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	250.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,093.44	380.35
		For Cement Mortar Lining (CML), Add	351.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	633.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.79	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,713.34	389.36
		For Cement Mortar Lining (CML), Add	412.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	742.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	309.26	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0253	EA		24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,228.89 461.97 831.55 346.48	402.03
33 14 13 13-0254	EA		24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,844.32 520.29 936.51 390.21	423.37
33 14 13 13-0255	EA		24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,421.00 571.54 1,028.77 428.65	465.70
33 14 13 13-0256	EA		24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,721.35 495.18 891.32 371.38	507.91
33 14 13 13-0257	EA		30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,097.38 645.47 1,161.84 484.10	424.18
33 14 13 13-0258	EA		30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,945.59 729.46 1,313.03 547.10	429.63
33 14 13 13-0259	EA		30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,402.46 774.35 1,393.84 580.76	434.89
33 14 13 13-0260	EA		30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,859.61 819.24 1,474.64 614.43	440.33
33 14 13 13-0261	EA		30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,508.43 882.76 1,588.97 662.07	449.35
33 14 13 13-0262	EA		30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,207.94 950.79 1,711.42 713.09	462.03
33 14 13 13-0263	EA		30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,468.17 973.58 1,752.45 730.19	483.34
33 14 13 13-0264	EA		30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,850.48 1,005.40 1,809.72 754.05	525.69
33 14 13 13-0265	EA		30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,373.75 1,051.33 1,892.39 788.50	567.90

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266	EA		30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,322.78 1,141.69 2,055.04 856.27	597.90
33 14 13 13-0267	EA		36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,477.64 1,273.93 2,293.07 955.45	487.31
33 14 13 13-0268	EA		36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,003.82 1,325.18 2,385.33 993.89	496.32
33 14 13 13-0269	EA		36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,528.62 1,375.74 2,476.33 1,031.81	509.00
33 14 13 13-0270	EA		36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,540.88 1,473.74 2,652.72 1,105.30	530.32
33 14 13 13-0271	EA		36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,588.44 1,572.08 2,829.74 1,179.06	572.66
33 14 13 13-0272	EA		36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,395.93 1,746.43 3,143.58 1,309.82	614.87
33 14 13 13-0273	EA		36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,596.80 1,961.97 3,531.55 1,471.48	644.86
33 14 13 13-0274	EA		36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,555.63 2,354.30 4,237.74 1,765.72	668.35
33 14 13 13-0275	EA		42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	21,610.09 2,070.26 3,726.48 1,552.70	598.92
33 14 13 13-0276	EA		42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,156.49 2,118.51 3,813.32 1,588.88	641.13
33 14 13 13-0277	EA		42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,664.34 2,264.75 4,076.55 1,698.56	671.12
33 14 13 13-0278	EA		42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	27,043.54 2,599.11 4,678.40 1,949.33	694.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0279	EA		42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,869.44 3,079.71 5,543.48 2,309.78	707.73
33 14 13 13-0280	EA		48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,331.02 2,036.02 3,664.83 1,527.01	640.76
33 14 13 13-0281	EA		48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,148.54 2,311.38 4,160.48 1,733.53	682.96
33 14 13 13-0282	EA		48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,733.90 2,465.37 4,437.66 1,849.02	712.95
33 14 13 13-0283	EA		48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,315.56 2,819.97 5,075.95 2,114.98	736.44
33 14 13 13-0284	EA		48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,278.75 3,714.30 6,685.75 2,785.73	749.57
33 14 13 13-0285	EA		48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	42,012.73 4,084.53 7,352.16 3,063.40	770.49

33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)

33 14 13 13-0287	EA		3" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	244.72 14.93 26.87 11.19	63.01
33 14 13 13-0288	EA		4" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	294.79 19.09 34.36 14.32	68.57
33 14 13 13-0289	EA		4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	347.10 24.18 43.52 18.14	69.49
33 14 13 13-0290	EA		6" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	414.82 28.46 51.23 21.35	85.90
33 14 13 13-0291	EA		6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	404.18 26.38 47.48 19.78	92.66

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33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	471.67 29.62 53.31 22.21	115.82
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	416.20 26.26 47.27 19.70	101.35
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	495.25 30.66 55.19 22.99	124.51
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	524.62 32.28 58.10 24.21	133.20
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	501.98 34.25 61.64 25.68	105.28
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	576.62 38.41 69.14 28.81	127.06
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	681.57 47.67 85.80 35.75	135.24
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	737.19 51.72 93.09 38.79	145.19
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	605.94 43.27 77.89 32.45	114.34
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	704.89 49.87 89.76 37.40	136.12
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,005.35 78.67 141.61 59.00	144.29
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,020.49 78.67 141.61 59.00	154.29
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,155.70 90.82 163.48 68.12	163.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0305	EA		14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,180.20 95.33 171.60 71.50	149.73
33 14 13 13-0306	EA		14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,384.63 114.54 206.17 85.90	157.90
33 14 13 13-0307	EA		14" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,422.91 116.85 210.34 87.64	167.89
33 14 13 13-0308	EA		14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,501.42 123.33 222.00 92.50	176.95
33 14 13 13-0309	EA		14" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,659.72 137.10 246.78 102.83	190.56
33 14 13 13-0310	EA		16" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,349.05 109.33 196.80 82.00	168.78
33 14 13 13-0311	EA		16" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,531.49 126.34 227.41 94.76	176.95
33 14 13 13-0312	EA		16" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,827.29 154.41 277.93 115.80	186.93
33 14 13 13-0313	EA		16" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,033.56 173.66 312.59 130.25	196.00
33 14 13 13-0314	EA		16" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,449.86 213.23 383.81 159.92	209.60
33 14 13 13-0315	EA		16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,863.97 251.75 453.16 188.82	228.69
33 14 13 13-0316	EA		18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,212.51 191.01 343.83 143.26	199.57
33 14 13 13-0317	EA		18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,338.28 202.35 364.23 151.76	207.74

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33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross.....	2,448.28	217.73
		For Cement Mortar Lining (CML), Add	211.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	381.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross.....	2,651.76	226.79
		For Cement Mortar Lining (CML), Add	230.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	415.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	173.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross.....	3,087.71	240.40
		For Cement Mortar Lining (CML), Add	272.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	490.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	204.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross.....	3,287.80	259.44
		For Cement Mortar Lining (CML), Add	289.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	521.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	217.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross.....	3,447.84	290.22
		For Cement Mortar Lining (CML), Add	300.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	541.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	225.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross.....	2,781.24	250.40
		For Cement Mortar Lining (CML), Add	240.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	432.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	180.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross.....	2,908.17	258.57
		For Cement Mortar Lining (CML), Add	251.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	452.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	188.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross.....	2,998.50	268.56
		For Cement Mortar Lining (CML), Add	259.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	466.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross.....	3,200.82	277.62
		For Cement Mortar Lining (CML), Add	278.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	500.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	208.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross.....	3,259.60	291.23
		For Cement Mortar Lining (CML), Add	281.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	507.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross.....	3,931.73	310.27
		For Cement Mortar Lining (CML), Add	346.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	623.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	259.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross.....	4,091.78	341.07
		For Cement Mortar Lining (CML), Add	357.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	643.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	268.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross.....	4,433.74	391.86
		For Cement Mortar Lining (CML), Add	384.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	691.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	288.00	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0331	EA		24" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,784.66 331.01 595.81 248.25	313.24
33 14 13 13-0332	EA		24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,873.64 338.64 609.56 253.98	321.41
33 14 13 13-0333	EA		24" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,020.43 351.83 633.30 263.87	331.39
33 14 13 13-0334	EA		24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,147.54 363.17 653.71 272.38	340.46
33 14 13 13-0335	EA		24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,224.85 368.84 663.91 276.63	354.06
33 14 13 13-0336	EA		24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,386.75 382.14 687.86 286.61	373.10
33 14 13 13-0337	EA		24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,776.64 516.47 929.64 387.35	403.90
33 14 13 13-0338	EA		24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,098.93 540.99 973.79 405.75	454.73
33 14 13 13-0339	EA		24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,724.02 593.98 1,069.17 445.49	517.59
33 14 13 13-0340	EA		30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,192.16 656.11 1,181.00 492.08	416.49
33 14 13 13-0341	EA		30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,335.71 668.95 1,204.12 501.72	426.48
33 14 13 13-0342	EA		30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,476.72 681.68 1,227.03 511.26	435.54
33 14 13 13-0343	EA		30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,644.25 696.37 1,253.47 522.28	449.14

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross.....	7,837.40	468.18
		For Cement Mortar Lining (CML), Add	712.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,283.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	534.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross.....	8,066.87	498.98
		For Cement Mortar Lining (CML), Add	731.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,315.95	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	548.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross.....	8,362.56	549.81
		For Cement Mortar Lining (CML), Add	752.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,355.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	564.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross.....	10,726.54	612.64
		For Cement Mortar Lining (CML), Add	979.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,763.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	734.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross.....	12,335.33	707.74
		For Cement Mortar Lining (CML), Add	1,126.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,027.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	844.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross.....	10,005.77	451.53
		For Cement Mortar Lining (CML), Add	932.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,677.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	699.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross.....	10,148.17	461.52
		For Cement Mortar Lining (CML), Add	944.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,700.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	708.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross.....	10,270.66	470.58
		For Cement Mortar Lining (CML), Add	955.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,720.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	716.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross.....	10,418.53	484.19
		For Cement Mortar Lining (CML), Add	968.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,743.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	726.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross.....	10,593.16	503.24
		For Cement Mortar Lining (CML), Add	983.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,769.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	737.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross.....	10,802.96	534.02
		For Cement Mortar Lining (CML), Add	999.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,798.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	749.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross.....	11,080.13	584.86
		For Cement Mortar Lining (CML), Add	1,019.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,834.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	764.55	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross.....	11,557.13	647.70
		For Cement Mortar Lining (CML), Add	1,057.58	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,903.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	793.18	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357	EA		36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,535.36 1,440.99 2,593.79 1,080.75	742.78
33 14 13 13-0358	EA		36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,060.11 1,588.16 2,858.69 1,191.12	777.86
33 14 13 13-0359	EA		42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,402.02 1,265.83 2,278.49 949.37	490.85
33 14 13 13-0360	EA		42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,141.57 1,437.73 2,587.91 1,078.29	504.46
33 14 13 13-0361	EA		42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,711.80 1,291.86 2,325.35 968.90	523.50
33 14 13 13-0362	EA		42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,898.45 1,305.86 2,350.55 979.40	554.30
33 14 13 13-0363	EA		42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,166.37 1,324.95 2,384.91 993.71	605.13
33 14 13 13-0364	EA		42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,609.82 1,359.78 2,447.60 1,019.83	667.96
33 14 13 13-0365	EA		42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,682.91 1,752.68 3,154.82 1,314.51	763.05
33 14 13 13-0366	EA		42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,353.06 2,314.38 4,165.89 1,735.79	798.09
33 14 13 13-0367	EA		42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,086.80 2,484.69 4,472.44 1,863.52	818.37
33 14 13 13-0368	EA		48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,097.38 1,723.18 3,101.72 1,292.38	571.31
33 14 13 13-0369	EA		48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,222.13 1,733.59 3,120.46 1,300.19	584.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0370	EA		48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,389.81 1,747.47 3,145.45 1,310.60	603.95
33 14 13 13-0371	EA		48" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,575.31 1,761.36 3,170.44 1,321.02	634.76
33 14 13 13-0372	EA		48" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,827.03 1,778.83 3,201.89 1,334.12	685.59
33 14 13 13-0373	EA		48" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,251.96 1,811.80 3,261.24 1,358.85	748.42
33 14 13 13-0374	EA		48" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,387.55 1,910.95 3,439.71 1,433.21	843.51
33 14 13 13-0375	EA		48" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,943.54 2,361.24 4,250.23 1,770.93	878.55
33 14 13 13-0376	EA		48" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,016.66 3,065.48 5,517.87 2,299.11	898.82
33 14 13 13-0377	EA		48" x 48" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,103.09 3,261.93 5,871.48 2,446.45	979.23
33 14 13 13-0378			Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0379	EA		4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	119.04 6.71 12.08 5.03	34.28
33 14 13 13-0380	EA		6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	139.16 7.41 13.33 5.55	42.97
33 14 13 13-0381	EA		6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	150.31 8.10 14.58 6.07	45.75
33 14 13 13-0382	EA		8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	189.25 11.11 19.99 8.33	51.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0383	EA		8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	209.26 11.80 21.24 8.85	60.23
33 14 13 13-0384	EA		10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	226.02 14.46 26.03 10.85	53.72
33 14 13 13-0385	EA		10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	246.48 15.27 27.49 11.45	61.89
33 14 13 13-0386	EA		10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	269.78 16.78 30.20 12.58	67.34
33 14 13 13-0387	EA		12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	272.45 18.28 32.90 13.71	59.17
33 14 13 13-0388	EA		12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	303.32 20.13 36.24 15.10	67.34
33 14 13 13-0389	EA		12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	317.37 20.71 37.28 15.53	72.78
33 14 13 13-0390	EA		12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	347.32 22.91 41.23 17.18	78.05
33 14 13 13-0391	EA		14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	562.26 44.66 80.39 33.49	76.35
33 14 13 13-0392	EA		14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	547.37 42.35 76.22 31.76	81.80
33 14 13 13-0393	EA		14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	492.86 36.10 64.97 27.07	87.05
33 14 13 13-0394	EA		14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	518.47 37.83 68.10 28.37	92.50
33 14 13 13-0395	EA		16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	660.13 52.53 94.55 39.39	89.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	648.72	94.47
		For Cement Mortar Lining (CML), Add	50.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	91.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	638.18	99.73
		For Cement Mortar Lining (CML), Add	48.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	87.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	691.55	105.18
		For Cement Mortar Lining (CML), Add	53.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	95.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	768.83	114.19
		For Cement Mortar Lining (CML), Add	59.58	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	107.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.69	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	824.50	115.80
		For Cement Mortar Lining (CML), Add	64.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	922.72	121.06
		For Cement Mortar Lining (CML), Add	73.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	133.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	891.63	126.51
		For Cement Mortar Lining (CML), Add	70.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	125.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	945.77	135.51
		For Cement Mortar Lining (CML), Add	74.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	133.28	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	997.38	148.19
		For Cement Mortar Lining (CML), Add	77.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	139.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,162.85	158.14
		For Cement Mortar Lining (CML), Add	92.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	166.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,117.60	163.39
		For Cement Mortar Lining (CML), Add	87.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	156.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,034.45	168.84
		For Cement Mortar Lining (CML), Add	77.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	140.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,042.32	177.85
		For Cement Mortar Lining (CML), Add	77.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	139.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.96	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,077.73 78.91 142.03 59.18	190.53
33 14 13 13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,289.36 96.84 174.31 72.63	211.86
33 14 13 13-0411	EA		24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,512.59 119.28 214.71 89.46	211.05
33 14 13 13-0412	EA		24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,556.32 122.29 220.12 91.72	220.06
33 14 13 13-0413	EA		24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,591.72 123.91 223.04 92.93	232.73
33 14 13 13-0414	EA		24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,569.67 118.47 213.25 88.85	254.06
33 14 13 13-0415	EA		24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,916.12 146.70 264.07 110.03	296.41
33 14 13 13-0416	EA		30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,088.00 268.99 484.19 201.74	262.73
33 14 13 13-0417	EA		30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,226.76 279.64 503.35 209.73	284.05
33 14 13 13-0418	EA		30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,135.88 264.13 475.44 198.10	326.39
33 14 13 13-0419	EA		30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,073.71 251.52 452.74 188.64	368.61
33 14 13 13-0420	EA		36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,622.28 409.22 736.59 306.91	349.88
33 14 13 13-0421	EA		36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,842.81 324.87 584.77 243.66	392.08

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,172.88	422.08
		For Cement Mortar Lining (CML), Add	353.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	636.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	265.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,979.18	299.34
		For Cement Mortar Lining (CML), Add	552.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	994.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	414.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,960.59	320.67
		For Cement Mortar Lining (CML), Add	547.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	985.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	410.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,006.23	363.00
		For Cement Mortar Lining (CML), Add	545.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	982.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	409.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,703.04	405.22
		For Cement Mortar Lining (CML), Add	608.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,096.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	456.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,547.56	435.20
		For Cement Mortar Lining (CML), Add	488.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	879.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	366.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,807.60	458.69
		For Cement Mortar Lining (CML), Add	511.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	920.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	383.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,040.19	320.26
		For Cement Mortar Lining (CML), Add	755.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,359.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	566.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,801.77	341.59
		For Cement Mortar Lining (CML), Add	728.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,311.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	546.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,449.41	383.92
		For Cement Mortar Lining (CML), Add	686.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,236.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	515.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,688.07	426.13
		For Cement Mortar Lining (CML), Add	704.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,267.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	528.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,176.24	456.12
		For Cement Mortar Lining (CML), Add	848.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,527.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	636.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,053.71	479.61
		For Cement Mortar Lining (CML), Add	732.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,318.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	549.53	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0435	EA		48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,834.88 808.83 1,455.90 606.62	492.73
33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)					
33 14 13 13-0437	EA		3" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	139.76 3.01 5.41 2.26	72.39
33 14 13 13-0438	EA		4" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	159.93 3.12 5.62 2.34	84.94
33 14 13 13-0439	EA		6" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	216.39 5.55 10.00 4.16	106.17
33 14 13 13-0440	EA		8" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.41 9.26 16.66 6.94	121.35
33 14 13 13-0441	EA		10" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	391.84 11.69 21.03 8.76	181.49
33 14 13 13-0442	EA		12" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	474.69 17.47 31.45 13.10	197.99
33 14 13 13-0443	EA		14" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.93 26.49 47.69 19.87	217.79
33 14 13 13-0444	EA		16" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	721.85 35.52 63.93 26.64	241.96
33 14 13 13-0445	EA		18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	846.35 43.39 78.09 32.54	272.24
33 14 13 13-0446	EA		20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,032.54 56.11 101.00 42.08	311.10
33 14 13 13-0447	EA		24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,320.52 77.05 138.70 57.79	362.98

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0448	EA		30" Mechanical Joint Ductile Iron Caps.....	2,422.03	435.58
			For Cement Mortar Lining (CML), Add	176.21	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	317.17	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	132.15	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA		36" Mechanical Joint Ductile Iron Caps.....	4,029.74	544.48
			For Cement Mortar Lining (CML), Add	320.48	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	576.86	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.36	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA		42" Mechanical Joint Ductile Iron Caps.....	5,850.35	653.37
			For Cement Mortar Lining (CML), Add	486.04	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	874.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	364.53	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA		48" Mechanical Joint Ductile Iron Caps.....	6,956.49	725.97
			For Cement Mortar Lining (CML), Add	585.65	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,054.18	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	439.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452			Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0453	EA		3" Mechanical Joint Ductile Iron Plug.....	144.39	72.39
			For Cement Mortar Lining (CML), Add	3.47	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	6.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.60	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA		4" Mechanical Joint Ductile Iron Plug.....	166.87	84.94
			For Cement Mortar Lining (CML), Add	3.82	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	6.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.86	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA		6" Mechanical Joint Ductile Iron Plug.....	234.91	106.17
			For Cement Mortar Lining (CML), Add	7.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	13.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.55	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA		8" Mechanical Joint Ductile Iron Plug.....	294.92	121.35
			For Cement Mortar Lining (CML), Add	11.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	19.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.33	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA		10" Mechanical Joint Ductile Iron Plug.....	467.05	181.49
			For Cement Mortar Lining (CML), Add	19.21	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	34.57	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.40	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA		12" Mechanical Joint Ductile Iron Plug.....	495.52	197.99
			For Cement Mortar Lining (CML), Add	19.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	35.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.66	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA		14" Mechanical Joint Ductile Iron Plug.....	727.98	217.79
			For Cement Mortar Lining (CML), Add	39.80	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	71.64	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.85	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA		16" Mechanical Joint Ductile Iron Plug.....	417.57	241.96
			For Cement Mortar Lining (CML), Add	5.09	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	9.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.82	
			Note: ANSI/AWWA C151/A21.51		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 13-0461	EA		18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,044.19 63.17 113.71 47.38	272.24
	33 14 13 13-0462	EA		20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,302.11 83.07 149.53 62.30	311.10
	33 14 13 13-0463	EA		24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,702.31 115.23 207.42 86.42	362.98
	33 14 13 13-0464	EA		30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,947.29 228.73 411.72 171.55	435.58
	33 14 13 13-0465	EA		36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,358.32 353.34 636.00 265.00	544.48
	33 14 13 13-0466	EA		42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,892.00 490.20 882.37 367.65	653.37
	33 14 13 13-0467	EA		48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,634.47 653.45 1,176.21 490.09	725.97
	33 14 13 13-0468			Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0002)</small>		
	33 14 13 13-0469	EA		3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	241.91 7.52 13.54 5.64	110.04
	33 14 13 13-0470	EA		4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	274.02 8.10 14.58 6.07	127.40
	33 14 13 13-0471	EA		6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	353.52 11.22 20.20 8.42	159.26
	33 14 13 13-0472	EA		8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	445.84 17.01 30.61 12.76	181.98
	33 14 13 13-0473	EA		10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	708.67 29.62 53.31 22.21	272.24

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0474	EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	829.46 37.95 68.31 28.46	296.98
33 14 13 13-0475	EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,097.76 60.28 108.50 45.21	326.69
33 14 13 13-0476	EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,238.37 68.84 123.91 51.63	362.98
33 14 13 13-0477	EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,671.56 105.28 189.51 78.96	408.36
33 14 13 13-0478	EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,961.26 125.41 225.75 94.06	466.68
33 14 13 13-0479	EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,369.50 154.45 278.02 115.84	544.48
33 14 13 13-0480	EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,832.61 284.27 511.68 213.20	653.37
33 14 13 13-0481	EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,311.11 407.37 733.26 305.52	816.72
33 14 13 13-0482	EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,093.75 567.95 1,022.31 425.96	933.37
33 14 13 13-0483	EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,762.93 711.30 1,280.34 533.47	1,088.95
33 14 13 13-0484	Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485	EA 3" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	230.34 6.36 11.45 4.77	110.04
33 14 13 13-0486	EA 4" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	268.23 7.52 13.54 5.64	127.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0487	EA		6" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	367.40 12.61 22.70 9.46	159.26
33 14 13 13-0488	EA		8" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	482.87 20.71 37.28 15.53	181.98
33 14 13 13-0489	EA		10" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	658.92 24.64 44.36 18.48	272.24
33 14 13 13-0490	EA		12" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	783.18 33.32 59.98 24.99	296.98
33 14 13 13-0491	EA		14" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	998.26 50.33 90.59 37.75	326.69
33 14 13 13-0492	EA		16" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,187.46 63.75 114.75 47.81	362.98
33 14 13 13-0493	EA		18" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,434.39 81.57 146.82 61.17	408.36
33 14 13 13-0494	EA		20" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,691.69 98.46 177.22 73.84	466.68
33 14 13 13-0495	EA		24" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,121.91 129.70 233.45 97.27	544.48
33 14 13 13-0496	EA		30" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,706.50 271.65 488.98 203.74	653.37
33 14 13 13-0497	EA		36" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,051.95 381.45 686.61 286.09	816.72
33 14 13 13-0498	EA		42" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,514.81 510.22 918.39 382.66	932.30
33 14 13 13-0499	EA		48" Mechanical Joint Ductile Iron Long Sleeves..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,817.31 716.74 1,290.13 537.55	1,088.95

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0500		Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0500)</small>	
		Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.	
33 14 13 13-0501		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	23.14
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	38.45
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	46.46
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	54.47
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	75.30
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	80.11
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	131.38
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	139.39
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	185.85
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	240.32
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	334.85
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	799.48
		Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,723.92
		Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,516.99
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,088.96
		Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	
33 14 13 13-0517		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0518	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	39.34
33 14 13 13-0519	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	54.47
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0520	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	68.89
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0521	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	75.30
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0522	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	104.14
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0523	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	108.95
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0524	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	165.02
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0525	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	181.04
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0526	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	240.32
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0527	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	310.82
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0528	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	434.19
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0529		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0530	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	25.45
33 14 13 13-0531	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	41.66
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0532	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	49.67
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0533	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	59.28
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0534	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	81.71
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0535	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	86.52
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0536	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	142.59
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0537	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	150.60
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0538	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	203.47
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0539	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	261.15
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0540	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	365.29
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0541	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	874.78	
33 14 13 13-0542	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,938.61	
33 14 13 13-0543	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,806.98	
33 14 13 13-0544	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,454.26	
33 14 13 13-0545		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	157.65	55.19
33 14 13 13-0547	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	179.45	65.37
33 14 13 13-0548	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	222.65	80.90
33 14 13 13-0549	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	278.83	94.41
33 14 13 13-0550	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	400.33	136.12
33 14 13 13-0551	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	495.90	155.59
33 14 13 13-0552	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	580.06	167.47
33 14 13 13-0553	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	719.59	181.49
33 14 13 13-0554	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	926.23	217.79
33 14 13 13-0555	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,096.12	241.89
33 14 13 13-0556	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,430.14	279.08
33 14 13 13-0557	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	2,815.99	334.69
33 14 13 13-0558	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	3,476.41	418.83
33 14 13 13-0559	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	5,156.39	483.26
33 14 13 13-0560	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	6,602.82	621.53
33 14 13 13-0561		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0562	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,556.21	45.17
33 14 13 13-0563	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	3,701.22	56.47
33 14 13 13-0564	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	5,370.61	83.45
33 14 13 13-0565	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,300.94	98.97
33 14 13 13-0566	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,204.03	108.65
33 14 13 13-0567	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,279.73	127.45
33 14 13 13-0568	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	15,129.98	142.93
33 14 13 13-0569	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	17,900.64	163.34
33 14 13 13-0570	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	20,172.41	228.69
33 14 13 13-0571	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	27,142.58	285.85
33 14 13 13-0572	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	37,612.26	381.14
33 14 13 13-0573		Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) <small>(33 14 13 13-0002)</small> Note: Includes machined bolts and gasket.		
33 14 13 13-0574	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	156.45	55.19
33 14 13 13-0575	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	201.61	65.37
33 14 13 13-0576	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	261.08	80.90
33 14 13 13-0577	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	297.67	94.41
33 14 13 13-0578	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	525.85	144.78
33 14 13 13-0579	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	594.91	165.48
33 14 13 13-0580		Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) <small>(33 14 13 13-0002)</small> Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	231.74	55.19
33 14 13 13-0582	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	288.73	65.37
33 14 13 13-0583	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	401.13	80.90
33 14 13 13-0584	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	583.26	94.41
33 14 13 13-0585	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	843.82	144.78
33 14 13 13-0586	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,051.29	165.48
33 14 13 13-0587	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	1,631.03	178.13
33 14 13 13-0588	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,294.10	193.03
33 14 13 13-0589	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	2,592.84	231.65
33 14 13 13-0590	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	2,863.93	257.27
33 14 13 13-0591	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	3,466.76	296.83
33 14 13 13-0592	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	4,463.98	355.98
33 14 13 13-0593	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	6,680.10	445.48
33 14 13 13-0594	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	17,518.90	514.00
33 14 13 13-0595	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	22,438.81	661.06
33 14 13 13-0596		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small> Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0597		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0598	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	294.17	31.50

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0599	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	352.06	37.73
33 14 13 13-0600	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	545.87	55.28
33 14 13 13-0601	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	744.45	65.80
33 14 13 13-0602	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,016.78	72.59
33 14 13 13-0603	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,287.95	84.97
33 14 13 13-0604	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,826.58	95.70
33 14 13 13-0605	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,215.12	108.90
33 14 13 13-0606	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,680.24	152.62
33 14 13 13-0607	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,340.78	190.56
33 14 13 13-0608	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,720.83	254.09
33 14 13 13-0609	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,535.89	272.24
33 14 13 13-0610	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	11,079.15	282.96
33 14 13 13-0611	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,230.02	326.69
33 14 13 13-0612	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	23,833.54	347.31

33 14 13 13-0613 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0596)

33 14 13 13-0614	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	281.45	31.50
33 14 13 13-0615	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	330.08	37.73
33 14 13 13-0616	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	507.69	55.28
33 14 13 13-0617	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	685.44	65.80
33 14 13 13-0618	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	891.82	72.59
33 14 13 13-0619	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,175.73	84.97
33 14 13 13-0620	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,585.93	95.70
33 14 13 13-0621	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,898.12	108.90
33 14 13 13-0622	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,248.70	152.62
33 14 13 13-0623	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,731.06	190.56
33 14 13 13-0624	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,599.73	254.09
33 14 13 13-0625	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,590.66	272.24
33 14 13 13-0626	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	9,097.28	282.96
33 14 13 13-0627	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	13,502.68	326.69
33 14 13 13-0628	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	17,273.58	347.31

33 14 13 13-0629 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0596)

33 14 13 13-0630	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	220.13	31.50
33 14 13 13-0631	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	326.61	37.73
33 14 13 13-0632	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	493.80	55.28
33 14 13 13-0633	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	680.81	65.80
33 14 13 13-0634	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	890.67	72.59
33 14 13 13-0635	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,108.63	84.97
33 14 13 13-0636	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,595.19	95.70
33 14 13 13-0637	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,856.47	108.90
33 14 13 13-0638	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,238.29	152.62
33 14 13 13-0639	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,827.09	190.56
33 14 13 13-0640	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,523.37	254.09
33 14 13 13-0641	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,869.87	272.24
33 14 13 13-0642	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,998.17	282.96
33 14 13 13-0643	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	11,432.88	326.69
33 14 13 13-0644	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,627.61	347.31

33 14 13 13-0645 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0596)

33 14 13 13-0646	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	220.13	31.50
33 14 13 13-0647	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	390.24	37.73
33 14 13 13-0648	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	498.43	55.28
33 14 13 13-0649	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	659.99	65.80
33 14 13 13-0650	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	888.35	72.59
33 14 13 13-0651	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,077.39	84.97
33 14 13 13-0652	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,716.67	95.70
33 14 13 13-0653	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,913.16	108.90
33 14 13 13-0654	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,566.86	152.62
33 14 13 13-0655	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,727.59	190.56
33 14 13 13-0656	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,524.53	254.09
33 14 13 13-0657	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,946.23	272.24
33 14 13 13-0658	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,779.50	282.96
33 14 13 13-0659	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	11,120.50	326.69
33 14 13 13-0660	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,544.31	347.31

33 14 13 13-0661 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0596)

33 14 13 13-0662	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	258.31	31.50
33 14 13 13-0663	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	378.67	37.73
33 14 13 13-0664	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	589.83	55.28
33 14 13 13-0665	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	799.98	65.80

Water Utility Transmission and Distribution 33 14

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0666	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,097.76	72.59
33 14 13 13-0667	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,377.04	84.97
33 14 13 13-0668	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,466.38	95.70
33 14 13 13-0669	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,842.97	108.90
33 14 13 13-0670	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,396.02	152.62
33 14 13 13-0671	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,069.28	190.56
33 14 13 13-0672	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,489.05	254.09
33 14 13 13-0673 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0596)				
33 14 13 13-0674	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	258.31	31.50
33 14 13 13-0675	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	334.70	37.73
33 14 13 13-0676	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	526.20	55.28
33 14 13 13-0677	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	742.13	65.80
33 14 13 13-0678	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	980.91	72.59
33 14 13 13-0679	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,275.23	84.97
33 14 13 13-0680	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,697.00	95.70
33 14 13 13-0681	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,038.11	108.90
33 14 13 13-0682	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,805.96	152.62
33 14 13 13-0683	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,997.93	190.56
33 14 13 13-0684	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,172.43	254.09
33 14 13 13-0685 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee (33 14 13 13-0596)				
33 14 13 13-0686	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	364.31	47.26
33 14 13 13-0687	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	397.73	53.28
33 14 13 13-0688	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	419.76	55.28
33 14 13 13-0689	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	596.72	70.08
33 14 13 13-0690	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	646.22	72.83
33 14 13 13-0691	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	682.52	81.60
33 14 13 13-0692	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	792.21	84.24
33 14 13 13-0693	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	857.44	93.01
33 14 13 13-0694	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	942.58	99.15
33 14 13 13-0695	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,058.49	89.92
33 14 13 13-0696	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,058.14	98.17
33 14 13 13-0697	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,146.22	103.95
33 14 13 13-0698	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,236.33	108.90
33 14 13 13-0699	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,272.83	100.65
33 14 13 13-0700	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,285.20	108.90
33 14 13 13-0701	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,389.48	114.67
33 14 13 13-0702	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,599.91	119.62
33 14 13 13-0703	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,604.69	125.39
33 14 13 13-0704	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,815.77	127.05
33 14 13 13-0705	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,964.03	132.82
33 14 13 13-0706	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,380.40	137.77
33 14 13 13-0707	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,512.45	143.55
33 14 13 13-0708	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,330.57	152.62
33 14 13 13-0709	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,172.29	152.62
33 14 13 13-0710	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,289.37	157.57
33 14 13 13-0711	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,742.77	163.34
33 14 13 13-0712	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,575.16	168.29
33 14 13 13-0713	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,353.57	177.37
33 14 13 13-0714	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,038.41	190.56
33 14 13 13-0715	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,851.33	195.51
33 14 13 13-0716	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,006.53	200.47
33 14 13 13-0717	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,203.08	205.42
33 14 13 13-0718	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,384.88	211.19
33 14 13 13-0719	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,478.36	220.27
33 14 13 13-0720	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,716.23	232.64
33 14 13 13-0721	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,147.69	254.09
33 14 13 13-0722	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,286.23	279.67
33 14 13 13-0723	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,341.92	285.44
33 14 13 13-0724	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,669.22	290.39
33 14 13 13-0725	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,848.70	296.16
33 14 13 13-0726	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,887.80	305.23
33 14 13 13-0727	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,841.06	317.61

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	33 14 13 13-0964	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers <small>(33 14 13 13-0596)</small>		
	33 14 13 13-0965	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	289.12	34.28
	33 14 13 13-0966	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	404.10	42.97
	33 14 13 13-0967	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	444.18	45.63
	33 14 13 13-0968	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	582.61	51.77
	33 14 13 13-0969	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	606.10	60.54
	33 14 13 13-0970	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	711.94	53.62
	33 14 13 13-0971	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	745.13	61.87
	33 14 13 13-0972	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	775.37	67.64
	33 14 13 13-0973	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	823.16	59.39
	33 14 13 13-0974	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	910.73	67.64
	33 14 13 13-0975	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	925.93	72.59
	33 14 13 13-0976	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	967.45	78.37
	33 14 13 13-0977	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,424.19	76.72
	33 14 13 13-0978	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,432.44	81.68
	33 14 13 13-0979	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,247.20	87.45
	33 14 13 13-0980	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,272.80	92.40
	33 14 13 13-0981	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,707.18	89.09
	33 14 13 13-0982	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,656.43	94.88
	33 14 13 13-0983	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,555.65	99.82
	33 14 13 13-0984	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,537.29	104.77
	33 14 13 13-0985	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,738.37	113.85
	33 14 13 13-0986	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,856.51	115.49
	33 14 13 13-0987	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,093.56	121.27
	33 14 13 13-0988	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,000.00	126.22
	33 14 13 13-0989	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,390.82	135.30
	33 14 13 13-0990	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,094.18	148.50
	33 14 13 13-0991	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,472.53	158.39
	33 14 13 13-0992	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,492.07	163.34
	33 14 13 13-0993	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,264.30	169.11
	33 14 13 13-0994	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,262.91	178.19
	33 14 13 13-0995	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,208.08	190.56
	33 14 13 13-0996	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,611.76	212.02
	33 14 13 13-0997	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,114.98	211.19
	33 14 13 13-0998	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,161.02	220.27
	33 14 13 13-0999	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,217.25	232.64
	33 14 13 13-1000	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,168.59	254.09
	33 14 13 13-1001	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,655.03	296.16
	33 14 13 13-1002	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,680.75	262.34
	33 14 13 13-1003	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,922.48	283.78
	33 14 13 13-1004	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,706.64	326.69
	33 14 13 13-1005	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,838.08	368.76
	33 14 13 13-1006	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,492.70	349.78

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-1007	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,965.45	391.86
33 14 13 13-1008	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,436.66	422.38
33 14 13 13-1009	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,082.53	299.46
33 14 13 13-1010	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,017.67	320.91
33 14 13 13-1011	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,045.95	362.98
33 14 13 13-1012	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,478.97	405.06
33 14 13 13-1013	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,381.72	435.58
33 14 13 13-1014	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,817.62	458.68
33 14 13 13-1015	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,966.14	320.09
33 14 13 13-1016	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,514.84	341.54
33 14 13 13-1017	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,836.22	383.61
33 14 13 13-1018	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,211.39	426.51
33 14 13 13-1019	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,831.08	456.21
33 14 13 13-1020	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,691.57	479.31
33 14 13 13-1021	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,058.17	492.51
33 14 13 13-1022 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0596)</small>				
33 14 13 13-1023	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	268.18	72.39
33 14 13 13-1024	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	323.06	85.11
33 14 13 13-1025	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	470.93	106.17
33 14 13 13-1026	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	629.28	121.09
33 14 13 13-1027	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	836.12	181.49
33 14 13 13-1028	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,052.01	197.99
33 14 13 13-1029	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,195.40	217.79
33 14 13 13-1030	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,453.05	241.72
33 14 13 13-1031	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,701.34	272.24
33 14 13 13-1032	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,050.66	311.02
33 14 13 13-1033	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,626.72	362.98
33 14 13 13-1034	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	4,749.83	435.58
33 14 13 13-1035	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	7,773.66	544.48
33 14 13 13-1036	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	11,194.35	653.37
33 14 13 13-1037	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	13,325.56	725.97
33 14 13 13-1038 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0596)</small>				
33 14 13 13-1039	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	269.34	72.39
33 14 13 13-1040	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	334.63	85.11
33 14 13 13-1041	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	501.01	106.17
33 14 13 13-1042	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	659.36	121.09
33 14 13 13-1043	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,008.50	181.49
33 14 13 13-1044	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,091.35	197.99
33 14 13 13-1045	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,446.46	217.79
33 14 13 13-1046	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,743.44	241.72
33 14 13 13-1047	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,072.73	272.24
33 14 13 13-1048	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,552.78	311.02
33 14 13 13-1049	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,341.72	362.98
33 14 13 13-1050	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,737.88	435.58
33 14 13 13-1051	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,388.01	544.48
33 14 13 13-1052	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	11,271.86	653.37
33 14 13 13-1053	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	14,969.60	725.97
33 14 13 13-1054 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0596)</small>				
33 14 13 13-1055	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	366.86	110.04
33 14 13 13-1056	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	483.43	127.23
33 14 13 13-1057	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	663.58	159.69
33 14 13 13-1058	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	869.29	181.63
33 14 13 13-1059	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,277.90	272.24
33 14 13 13-1060	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,523.64	296.98
33 14 13 13-1061	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,987.46	326.69

Water Utility Transmission and Distribution 33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1062 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,255.34	362.98
33 14 13 13-1063 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,953.48	408.36
33 14 13 13-1064 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,424.82	466.93
33 14 13 13-1065 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,144.28	544.48
33 14 13 13-1066 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,502.87	653.37
33 14 13 13-1067 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,839.83	816.72
33 14 13 13-1068 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	12,013.14	933.04
33 14 13 13-1069 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,924.90	1,088.95
33 14 13 13-1070 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0596)		
33 14 13 13-1071 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	380.75	110.04
33 14 13 13-1072 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	466.07	127.23
33 14 13 13-1073 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	683.25	159.69
33 14 13 13-1074 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	922.51	181.63
33 14 13 13-1075 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,203.85	272.24
33 14 13 13-1076 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,454.22	296.98
33 14 13 13-1077 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,839.37	326.69
33 14 13 13-1078 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,176.67	362.98
33 14 13 13-1079 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,597.13	408.36
33 14 13 13-1080 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,023.35	466.93
33 14 13 13-1081 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,776.36	544.48
33 14 13 13-1082 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,311.98	653.37
33 14 13 13-1083 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,202.35	816.72
33 14 13 13-1084 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,667.14	932.22
33 14 13 13-1085 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	15,821.54	1,088.95
33 14 13 13-1086 Push-On Joint Ductile Iron Piping (33 14 13 13-0001)		
33 14 13 13-1087 Push-On Joint Ductile Iron Pipe (33 14 13 13-1086)		
33 14 13 13-1088 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	23.62	7.24
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	8.86	
For Cement Mortar Lining (CML), Add	1.27	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	6.83	
For Fusion Bonded Epoxy Lining (206N), Add	2.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.18	
For Class 51, Add	1.23	
For Class 52, Add	2.74	
For Class 53, Add	7.19	
For Class 54, Add	10.24	
For Class 55, Add	11.80	
For Class 56, Add	13.33	
33 14 13 13-1089 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	25.91	7.99
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.72	
For Cement Mortar Lining (CML), Add	1.39	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	7.50	
For Fusion Bonded Epoxy Lining (206N), Add	2.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.30	
For Class 51, Add	1.35	
For Class 52, Add	3.01	
For Class 53, Add	7.89	
For Class 54, Add	11.25	
For Class 55, Add	12.95	
For Class 56, Add	14.63	
33 14 13 13-1090 LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	32.14	8.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.29	
For Cement Mortar Lining (CML), Add	1.90	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	10.25	
For Fusion Bonded Epoxy Lining (206N), Add	3.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.42	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.61	
For Class 51, Add	1.80	
For Class 52, Add	4.03	
For Class 53, Add	10.66	
For Class 54, Add	15.20	
For Class 55, Add	17.50	
For Class 56, Add	19.75	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1091	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	45.34	12.29
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.07	
		For Cement Mortar Lining (CML), Add	2.68	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
		For Fusion Bonded Epoxy Lining (206N), Add	4.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.27	
		For Class 51, Add	2.54	
		For Class 52, Add	5.69	
		For Class 53, Add	15.05	
		For Class 54, Add	21.45	
		For Class 55, Add	24.69	
		For Class 56, Add	27.86	
33 14 13 13-1092	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	52.55	13.62
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
		For Cement Mortar Lining (CML), Add	3.19	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	12.77	
		For Fusion Bonded Epoxy Lining (206N), Add	5.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.63	
		For Class 51, Add	3.01	
		For Class 52, Add	6.74	
		For Class 53, Add	17.88	
		For Class 54, Add	25.49	
		For Class 55, Add	29.33	
		For Class 56, Add	33.10	
33 14 13 13-1093	LF	14", Class 50, Push-On Joint Ductile Iron Pipe.....	63.88	15.34
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
		For Cement Mortar Lining (CML), Add	4.07	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
		For Fusion Bonded Epoxy Lining (206N), Add	7.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.19	
		For Class 51, Add	3.80	
		For Class 52, Add	8.52	
		For Class 53, Add	22.68	
		For Class 54, Add	32.34	
		For Class 55, Add	37.20	
		For Class 56, Add	41.96	
33 14 13 13-1094	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	75.61	17.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
		For Cement Mortar Lining (CML), Add	4.91	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
		For Fusion Bonded Epoxy Lining (206N), Add	8.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.78	
		For Class 51, Add	4.57	
		For Class 52, Add	10.25	
		For Class 53, Add	27.32	
		For Class 54, Add	38.98	
		For Class 55, Add	44.82	
		For Class 56, Add	50.55	
33 14 13 13-1095	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	88.00	20.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
		For Cement Mortar Lining (CML), Add	5.71	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	17.69	
		For Fusion Bonded Epoxy Lining (206N), Add	10.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.40	
		For Class 51, Add	5.31	
		For Class 52, Add	11.91	
		For Class 53, Add	31.74	
		For Class 54, Add	45.28	
		For Class 55, Add	52.06	
		For Class 56, Add	58.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1096	LF	20"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	101.66 24.53 6.45 18.07 11.62 4.84 -5.08 6.03 13.52 35.98 51.32 59.02 66.58	24.50
33 14 13 13-1097	LF	24"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	128.56 25.46 8.21 17.25 14.78 6.16 -6.43 7.67 17.18 45.75 65.26 75.04 84.66	30.60
33 14 13 13-1098 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1096)					
33 14 13 13-1099	EA	4"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	178.61 13.58 24.44 10.18	28.26
33 14 13 13-1100	EA	6"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	258.93 19.58 35.24 14.68	41.68
33 14 13 13-1101	EA	8"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	346.54 27.15 48.87 20.36	49.49
33 14 13 13-1102	EA	10"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	522.75 41.05 73.89 30.79	54.29
33 14 13 13-1103	EA	12"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	674.69 54.31 97.75 40.73	63.69
33 14 13 13-1104	EA	14"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,338.74 119.10 214.39 89.33	71.44
33 14 13 13-1105	EA	16"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,513.35 134.46 242.03 100.85	81.68
33 14 13 13-1106	EA	18"	90 Degree Elbow, Push-On Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,358.15 212.19 381.94 159.14	114.34

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1107	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	2,651.80	144.12
		For Cement Mortar Lining (CML), Add		236.36	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		425.45	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		177.27	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1108	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	3,311.16	180.17
		For Cement Mortar Lining (CML), Add		295.09	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		531.16	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		221.32	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1109		Push-On Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-1086)</small>			
33 14 13 13-1110	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	147.73	28.26
		For Cement Mortar Lining (CML), Add		10.49	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		18.88	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		7.87	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1111	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	217.41	41.68
		For Cement Mortar Lining (CML), Add		15.42	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		27.76	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		11.57	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1112	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	301.87	49.49
		For Cement Mortar Lining (CML), Add		22.69	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		40.83	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		17.01	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1113	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	461.07	54.29
		For Cement Mortar Lining (CML), Add		34.88	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		62.78	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		26.16	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1114	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	596.10	63.69
		For Cement Mortar Lining (CML), Add		46.45	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		83.61	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		34.84	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1115	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	848.01	71.44
		For Cement Mortar Lining (CML), Add		70.03	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		126.05	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		52.52	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1116	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	1,256.39	81.68
		For Cement Mortar Lining (CML), Add		108.77	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		195.78	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		81.57	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1117	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	1,444.03	114.34
		For Cement Mortar Lining (CML), Add		120.78	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		217.40	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		90.58	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1118	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	2,025.94	144.12
		For Cement Mortar Lining (CML), Add		173.77	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		312.79	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		130.33	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1119	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	2,514.03	180.17
		For Cement Mortar Lining (CML), Add		215.38	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		387.68	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		161.53	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1120		Push-On Joint Ductile Iron Tee <small>(33 14 13 13-1086)</small>			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 13-1121	EA		4" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	273.15 21.00 37.79 15.75	41.68
	33 14 13 13-1122	EA		6" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	380.14 28.73 51.72 21.55	61.24
	33 14 13 13-1123	EA		8" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	519.89 40.73 73.32 30.55	74.23
	33 14 13 13-1124	EA		10" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	764.67 64.09 115.37 48.07	82.50
	33 14 13 13-1125	EA		12" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	952.64 80.83 145.49 60.62	95.12
	33 14 13 13-1126	EA		14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,536.65 136.34 245.41 102.26	114.34
	33 14 13 13-1127	EA		16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,222.50 200.59 361.07 150.45	142.96
	33 14 13 13-1128	EA		18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,792.77 250.38 450.68 187.78	190.73
	33 14 13 13-1129	EA		20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,290.54 293.80 528.83 220.35	232.72
	33 14 13 13-1130	EA		24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,310.67 387.00 696.59 290.25	290.89
33 14 13 13-1131				Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)		
	33 14 13 13-1132	EA		4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	296.63 14.81 26.67 11.11	98.01
	33 14 13 13-1133	EA		6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	363.42 17.96 32.32 13.47	121.35

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1134	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	472.62	141.53
		<i>For Cement Mortar Lining (CML), Add</i>	25.81	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	46.46	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	19.36	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1135	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	646.05	204.18
		<i>For Cement Mortar Lining (CML), Add</i>	33.67	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	60.60	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	25.25	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1136	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	780.03	233.39
		<i>For Cement Mortar Lining (CML), Add</i>	42.65	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	76.76	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	31.99	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1137	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	897.02	251.29
		<i>For Cement Mortar Lining (CML), Add</i>	51.63	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	92.93	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	38.72	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1138	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,063.42	272.24
		<i>For Cement Mortar Lining (CML), Add</i>	65.09	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	117.17	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	48.82	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1139	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,258.14	326.69
		<i>For Cement Mortar Lining (CML), Add</i>	76.32	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	137.37	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	57.24	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1140	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	1,459.04	362.98
		<i>For Cement Mortar Lining (CML), Add</i>	90.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	163.63	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	68.18	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1141	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	1,824.23	418.83
		<i>For Cement Mortar Lining (CML), Add</i>	118.96	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	214.14	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	89.22	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1142	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	2,896.57	502.57
		<i>For Cement Mortar Lining (CML), Add</i>	213.51	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	384.31	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	160.13	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1143	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	3,998.26	628.21
		<i>For Cement Mortar Lining (CML), Add</i>	304.64	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	548.35	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	228.48	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1144	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	5,044.62	725.97
		<i>For Cement Mortar Lining (CML), Add</i>	394.47	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	710.04	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	295.85	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1145	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	6,439.44	933.37
		<i>For Cement Mortar Lining (CML), Add</i>	502.52	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	904.54	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	376.89	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-1146	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	7,817.64	1,089.20
		<i>For Cement Mortar Lining (CML), Add</i>	616.73	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,110.11	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	462.54	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1147 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1086)
 Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1148	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	36.64	15.26
33 14 13 13-1149	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	48.15	19.91
33 14 13 13-1150	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	62.50	20.19
33 14 13 13-1151	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	73.70	21.44
33 14 13 13-1152	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	87.49	23.82
33 14 13 13-1153	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	110.14	26.79
33 14 13 13-1154	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	129.85	30.63
33 14 13 13-1155	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	146.21	33.18
33 14 13 13-1156	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	170.61	39.81
33 14 13 13-1157	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	204.45	41.35
33 14 13 13-1158	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	261.65	45.94
33 14 13 13-1159	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	340.63	49.77
33 14 13 13-1160	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	420.07	54.44
33 14 13 13-1161	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	495.42	61.25
33 14 13 13-1162	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	683.25	66.43

33 14 13 13-1163 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1086)

33 14 13 13-1164	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	185.10	55.68
33 14 13 13-1165	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	245.09	67.98
33 14 13 13-1166	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	316.23	82.91
33 14 13 13-1167	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	479.94	101.14
33 14 13 13-1168	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	595.57	123.34
33 14 13 13-1169	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,035.61	150.47
33 14 13 13-1170	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,180.62	183.64
33 14 13 13-1171	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,337.99	223.98
33 14 13 13-1172	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,823.32	273.31
33 14 13 13-1173	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,327.68	333.37
33 14 13 13-1174	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	4,041.77	406.79
33 14 13 13-1175	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	5,746.31	496.22
33 14 13 13-1176	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	10,480.82	605.44
33 14 13 13-1177	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	13,565.37	738.60

33 14 13 13-1178 Ductile Iron Pipe Repair (33 14 13 13-0001)
 See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1179 WEKO Seals (33 14 13 13-1178)
 Note: Internal joint seal.

33 14 13 13-1180	EA	16" WEKO Internal Joint Seal	1,535.96	147.03
		<i>For Extra Wide Seals, Add</i>	<i>81.14</i>	
33 14 13 13-1181	EA	18" WEKO Internal Joint Seal	1,636.66	155.25
		<i>For Extra Wide Seals, Add</i>	<i>81.77</i>	
33 14 13 13-1182	EA	20" WEKO Internal Joint Seal	1,737.21	163.48
		<i>For Extra Wide Seals, Add</i>	<i>82.38</i>	
33 14 13 13-1183	EA	24" WEKO Internal Joint Seal	1,839.78	176.55
		<i>For Extra Wide Seals, Add</i>	<i>83.38</i>	
33 14 13 13-1184	EA	30" WEKO Internal Joint Seal	1,897.62	189.64
		<i>For Extra Wide Seals, Add</i>	<i>84.37</i>	
33 14 13 13-1185	EA	36" WEKO Internal Joint Seal	1,989.48	205.98
		<i>For Extra Wide Seals, Add</i>	<i>85.60</i>	
33 14 13 13-1186	EA	42" WEKO Internal Joint Seal	2,119.84	225.59
		<i>For Extra Wide Seals, Add</i>	<i>87.09</i>	
33 14 13 13-1187	EA	48" WEKO Internal Joint Seal	2,289.99	241.94
		<i>For Extra Wide Seals, Add</i>	<i>88.33</i>	
33 14 13 13-1188	EA	54" WEKO Internal Joint Seal	2,374.67	255.02
		<i>For Extra Wide Seals, Add</i>	<i>89.32</i>	

33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)

33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)
 Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.

33 14 13 23-0002 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	8.21	3.05
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.68	3.69
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	15.71	4.16
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	20.41	4.62
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	26.14	5.17

33 14 13 23-0008 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	8.96	3.05
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	13.25	3.69
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	18.35	4.16
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	24.51	4.62
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	31.86	5.17

33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	9.71	3.05
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	14.80	3.69
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	20.99	4.16
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	28.52	4.62
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	37.58	5.17
33 14 13 23-0020 AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	41.50	7.76
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	50.52	9.24
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	67.43	11.09
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	96.61	12.93
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	132.53	14.78
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	167.14	15.71
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	210.88	16.91
33 14 13 23-0028 AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	30.64	5.82
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	38.23	6.47
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	47.36	7.76
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	58.12	9.24
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	79.15	11.09
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	113.43	12.93
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	155.06	14.78
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	204.59	15.71
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	259.47	16.91
33 14 13 23-0038 AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	35.15	5.82
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	44.48	6.47
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	55.12	7.76
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	68.20	9.24
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	93.63	11.09
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	135.17	12.93
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	186.79	14.78
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	242.18	15.71
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	308.53	16.91
33 14 13 23-0048 AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	42.85	5.82
33 14 13 23-0050 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	53.63	6.47
33 14 13 23-0051 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	66.90	7.76
33 14 13 23-0052 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	82.42	9.24
33 14 13 23-0053 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	114.13	11.09
33 14 13 23-0054 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	167.35	12.93
33 14 13 23-0055 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	236.27	14.78
33 14 13 23-0056 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	314.75	15.71
33 14 13 23-0057 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	405.92	16.91
33 14 13 23-0058 AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	48.64	5.82
33 14 13 23-0060 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	61.16	6.47
33 14 13 23-0061 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	76.40	7.76
33 14 13 23-0062 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	94.25	9.24
33 14 13 23-0063 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	131.15	11.09
33 14 13 23-0064 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	193.53	12.93
33 14 13 23-0065 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	274.51	14.78
33 14 13 23-0066 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	367.16	15.71
33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0068 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	54.28	5.82
33 14 13 23-0069 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	68.48	6.47
33 14 13 23-0070 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	85.63	7.76
33 14 13 23-0071 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.76	9.24
33 14 13 23-0072 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	147.70	11.09
33 14 13 23-0073 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	219.00	12.93
33 14 13 23-0074 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	311.72	14.78
33 14 13 23-0075 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)		
Note: Includes rubber gaskets.		
33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0077 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	119.65	9.17
For DR 25, Deduct	-6.08	
33 14 13 23-0078 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	241.78	10.32
For DR 25, Deduct	-13.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0079	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	361.67 -20.32	11.46
33 14 13 23-0080	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	552.47 -30.97	18.16
33 14 13 23-0081	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	721.42 -39.66	30.26
33 14 13 23-0082	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,080.59 -60.30	37.83
33 14 13 23-0083	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,289.65 -71.93	45.40
33 14 13 23-0084	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,206.55 -125.13	60.52
33 14 13 23-0085	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,716.76 -153.93	75.66
33 14 13 23-0086	EA		24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,501.10 -257.81	102.14
33 14 13 23-0087			45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0088	EA		4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	106.42 -5.29	9.17
33 14 13 23-0089	EA		6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	181.79 -9.67	10.32
33 14 13 23-0090	EA		8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	229.76 -12.41	11.46
33 14 13 23-0091	EA		10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	325.63 -17.36	18.16
33 14 13 23-0092	EA		12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	437.58 -22.62	30.26
33 14 13 23-0093	EA		14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	833.69 -45.48	37.83
33 14 13 23-0094	EA		16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,055.74 -57.90	45.40
33 14 13 23-0095	EA		18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,815.47 -101.66	60.52
33 14 13 23-0096	EA		20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,255.08 -126.23	75.66
33 14 13 23-0097	EA		24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,180.65 -178.58	102.14
33 14 13 23-0098			22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099	EA		4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	104.82 -5.19	9.17
33 14 13 23-0100	EA		6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	181.79 -9.67	10.32
33 14 13 23-0101	EA		8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	229.76 -12.41	11.46
33 14 13 23-0102	EA		10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	325.64 -17.36	18.16
33 14 13 23-0103	EA		12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	437.58 -22.62	30.26
33 14 13 23-0104	EA		14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	830.65 -45.48	36.32
33 14 13 23-0105	EA		16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,055.73 -57.90	45.40
33 14 13 23-0106	EA		18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,815.47 -101.66	60.52
33 14 13 23-0107	EA		20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,255.08 -126.23	75.66
33 14 13 23-0108	EA		24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,180.65 -178.58	102.14
33 14 13 23-0109			11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110	EA		4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	92.97 -4.48	9.17
33 14 13 23-0111	EA		6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	181.79 -9.67	10.32
33 14 13 23-0112	EA		8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	229.76 -12.41	11.46
33 14 13 23-0113	EA		10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	325.64 -17.36	18.16
33 14 13 23-0114	EA		12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	437.58 -22.62	30.26
33 14 13 23-0115	EA		14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	830.65 -45.48	36.32
33 14 13 23-0116	EA		16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,055.73 -57.90	45.40
33 14 13 23-0117	EA		18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,815.47 -101.66	60.52
33 14 13 23-0118	EA		20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,255.08 -126.23	75.66

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0119	EA		24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,180.65 -178.58	102.14
33 14 13 23-0120			Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121	EA		4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	141.98 -7.28	10.32
33 14 13 23-0122	EA		6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	271.01 -14.89	11.46
33 14 13 23-0123	EA		8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	377.05 -21.06	12.99
33 14 13 23-0124	EA		10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	775.77 -43.82	22.69
33 14 13 23-0125	EA		12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	953.49 -51.76	45.40
33 14 13 23-0126	EA		14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,712.59 -95.95	56.75
33 14 13 23-0127	EA		16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,120.39 -119.05	68.09
33 14 13 23-0128	EA		18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,677.25 -149.74	90.80
33 14 13 23-0129	EA		20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,216.72 -179.38	113.49
33 14 13 23-0130	EA		24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,383.82 -253.77	77.17
33 14 13 23-0131			Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132	EA		6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	271.18 -14.48	14.90
33 14 13 23-0133	EA		8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	367.26 -20.11	16.05
33 14 13 23-0134	EA		8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	376.52 -20.60	16.62
33 14 13 23-0135	EA		10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	488.93 -26.61	22.69
33 14 13 23-0136	EA		10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	659.38 -36.77	23.27
33 14 13 23-0137	EA		10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	704.98 -39.44	23.83
33 14 13 23-0138	EA		12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	750.98 -40.88	34.80
33 14 13 23-0139	EA		12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	860.33 -47.38	35.37
33 14 13 23-0140	EA		12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	912.13 -50.42	35.94
33 14 13 23-0141	EA		12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	930.34 -51.10	39.34
33 14 13 23-0142	EA		14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,405.81 -79.45	40.86
33 14 13 23-0143	EA		14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,461.96 -82.75	41.42
33 14 13 23-0144	EA		14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,518.23 -86.06	42.00
33 14 13 23-0145	EA		14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,579.88 -89.34	45.40
33 14 13 23-0146	EA		14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,647.02 -92.65	51.45
33 14 13 23-0147	EA		16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,754.01 -99.25	49.94
33 14 13 23-0148	EA		16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,809.00 -102.55	49.94
33 14 13 23-0149	EA		16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,865.16 -105.85	50.50
33 14 13 23-0150	EA		16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,921.30 -109.15	51.07
33 14 13 23-0151	EA		16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,995.21 -112.45	60.52
33 14 13 23-0152	EA		16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,056.27 -115.75	63.55
33 14 13 23-0153	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,168.93 -122.33	65.07
33 14 13 23-0154	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,225.46 -125.65	65.64
33 14 13 23-0155	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,281.60 -128.95	66.20
33 14 13 23-0156	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,343.41 -132.25	69.61
33 14 13 23-0157	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,410.50 -135.55	75.66
33 14 13 23-0158	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,471.19 -138.83	78.69
33 14 13 23-0159	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,548.58 -142.93	83.23
33 14 13 23-0160	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,750.00 -155.38	80.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,845.06 -161.01	80.77
33 14 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,882.61 -163.20	81.34
33 14 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,925.87 -165.38	84.74
33 14 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,974.41 -167.57	90.80
33 14 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,039.52 -171.11	93.81
33 14 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,107.67 -174.66	98.35
33 14 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,162.19 -177.02	105.92
33 14 13 23-0168	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,242.48 -181.75	106.68
33 14 13 23-0169	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,283.03 -184.11	107.25
33 14 13 23-0170	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,323.56 -186.48	107.81
33 14 13 23-0171	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,490.59 -196.09	111.23
33 14 13 23-0172	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,662.91 -205.70	117.27
33 14 13 23-0173	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,829.18 -215.31	120.30
33 14 13 23-0174	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,998.48 -224.93	124.84
33 14 13 23-0175	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,173.84 -234.54	132.41
33 14 13 23-0176	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,349.18 -244.15	139.97
33 14 13 23-0177 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>					
33 14 13 23-0178	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	198.49 -9.71	18.34
33 14 13 23-0179	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	351.80 -18.63	20.63
33 14 13 23-0180	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	484.90 -26.34	22.92
33 14 13 23-0181	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	985.21 -54.75	36.32
33 14 13 23-0182	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,169.40 -64.72	45.40
33 14 13 23-0183	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,120.05 -119.94	60.52
33 14 13 23-0184	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,631.14 -148.80	75.66
33 14 13 23-0185	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,362.18 -187.20	121.06
33 14 13 23-0186	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,039.87 -224.23	151.32
33 14 13 23-0187	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,695.08 -317.19	204.29
33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>					
33 14 13 23-0189	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	340.93 -18.12	19.48
33 14 13 23-0190	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	460.74 -25.17	20.63
33 14 13 23-0191	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	472.74 -25.75	21.78
33 14 13 23-0192	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	706.81 -39.14	27.23
33 14 13 23-0193	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	822.90 -45.97	28.37
33 14 13 23-0194	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	903.35 -50.66	29.51
33 14 13 23-0195	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	930.68 -51.12	39.34
33 14 13 23-0196	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,067.90 -59.22	40.48
33 14 13 23-0197	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,133.51 -63.02	41.61
33 14 13 23-0198	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,161.31 -63.87	48.43
33 14 13 23-0199	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,745.92 -99.31	45.40
33 14 13 23-0200	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,816.73 -103.42	46.54
33 14 13 23-0201	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,888.31 -107.58	47.66
33 14 13 23-0202	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,970.95 -111.72	54.48

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0203	EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,063.66 -115.83	66.58
33 14 13 23-0204	EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,176.29 -124.04	54.48
33 14 13 23-0205	EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,248.06 -128.21	55.61
33 14 13 23-0206	EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,319.03 -132.33	56.75
33 14 13 23-0207	EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,401.61 -136.47	63.55
33 14 13 23-0208	EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,445.35 -137.64	75.66
33 14 13 23-0209	EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,575.09 -144.70	81.71
33 14 13 23-0210	EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,688.04 -152.93	69.61
33 14 13 23-0211	EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,759.63 -157.09	70.74
33 14 13 23-0212	EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,830.72 -161.22	71.88
33 14 13 23-0213	EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,912.28 -165.29	78.69
33 14 13 23-0214	EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,005.80 -169.45	90.80
33 14 13 23-0215	EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,086.42 -173.56	96.84
33 14 13 23-0216	EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,189.82 -178.68	105.92
33 14 13 23-0217	EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,406.80 -194.24	84.74
33 14 13 23-0218	EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,526.29 -201.27	85.87
33 14 13 23-0219	EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,574.42 -204.02	87.01
33 14 13 23-0220	EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,633.40 -206.75	93.81
33 14 13 23-0221	EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,702.99 -209.47	105.92
33 14 13 23-0222	EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,788.40 -213.87	111.98
33 14 13 23-0223	EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,881.35 -218.35	121.06
33 14 13 23-0224	EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,960.71 -221.30	136.18
33 14 13 23-0225	EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,986.98 -225.87	111.23
33 14 13 23-0226	EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,060.61 -230.15	112.35
33 14 13 23-0227	EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,112.34 -233.12	113.49
33 14 13 23-0228	EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,326.00 -245.12	120.30
33 14 13 23-0229	EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,550.32 -257.13	132.41
33 14 13 23-0230	EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,762.51 -269.14	138.46
33 14 13 23-0231	EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,981.59 -281.19	147.54
33 14 13 23-0232	EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,211.50 -293.17	162.67
33 14 13 23-0233	EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,442.27 -305.20	177.80
33 14 13 23-0234	Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235	EA 4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	72.90 -3.27	9.17
33 14 13 23-0236	EA 6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	133.25 -6.76	10.32
33 14 13 23-0237	EA 8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	160.03 -8.23	11.46
33 14 13 23-0238	EA 10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	228.10 -11.51	18.16
33 14 13 23-0239	EA 12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	360.52 -18.91	22.69
33 14 13 23-0240	EA 14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	622.06 -33.69	30.26
33 14 13 23-0241	EA 16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	737.64 -39.72	37.83
33 14 13 23-0242	EA 18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,754.61 -98.01	60.52
33 14 13 23-0243	EA 20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,969.97 -109.12	75.66
33 14 13 23-0244	EA 24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,772.12 -154.07	102.14

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	66.50	18.64
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	92.25	22.88
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	132.58	29.07
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	215.38	38.17
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	244.92	51.07
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	321.85	68.73
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.89	11.00
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.22	13.83
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	44.19	17.27
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	62.69	19.11
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	71.46	21.24
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	83.34	24.23
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	103.06	27.88
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	135.87	34.36
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	227.84	43.69
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	343.07	57.26
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	395.94	77.70
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	492.96	104.56
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	12.46	4.89
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	16.84	6.58
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	22.53	8.63
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	32.13	9.55
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	35.40	10.63
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	40.26	12.07
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	47.39	13.94
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	65.43	17.14
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	94.10	21.84
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	161.62	28.62
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	187.29	38.89
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	237.85	52.29
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	1.96	0.61
For >1,000, Deduct	-0.10	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.32	0.66
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.00	0.79
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.15	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.61	0.89
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.72	1.01
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.33	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.76	1.16
For >1,000, Deduct	-0.29	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.43	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	7.68	1.43
For >1,000, Deduct	-0.38	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	11.72	1.82
For >1,000, Deduct	-0.59	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08	
33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	18.75	7.34
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	23.62	9.17
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	32.88	12.68
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	37.19	14.21
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	44.94	16.12
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	52.13	18.64
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	68.59	22.88
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	108.86	29.07
33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	18.72	7.34
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	23.59	9.17
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	32.89	12.68
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	37.06	14.21
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	44.59	16.12
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	51.72	18.64
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	67.75	22.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	106.19	29.07
33 14 13 23-0350			Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	28.03	11.00
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	35.33	13.83
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	49.16	19.11
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	55.33	21.24
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	67.61	24.23
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	79.91	27.88
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	99.46	34.36
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	165.85	43.69
33 14 13 23-0359			Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0360	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	12.53	4.89
33 14 13 23-0361	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	16.89	6.58
33 14 13 23-0362	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	24.49	9.55
33 14 13 23-0363	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	27.66	10.63
33 14 13 23-0364	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	32.57	12.07
33 14 13 23-0365	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	38.48	13.94
33 14 13 23-0366	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	47.69	17.14
33 14 13 23-0367	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	71.03	21.84
33 14 13 23-0368			Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	37.50	14.67
33 14 13 23-0370	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	47.05	18.41
33 14 13 23-0371	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	65.53	25.45
33 14 13 23-0372	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	73.77	28.35
33 14 13 23-0373	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	90.11	32.25
33 14 13 23-0374	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	106.49	37.20
33 14 13 23-0375	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	132.53	45.77
33 14 13 23-0376	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	220.80	58.22
33 14 13 23-0377			Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378			Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	2.53	0.66
			<i>For >1,000, Deduct</i>	-0.13	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.13	
33 14 13 23-0380	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	3.42	0.79
			<i>For >1,000, Deduct</i>	-0.17	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.22	
33 14 13 23-0381	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	4.31	0.89
			<i>For >1,000, Deduct</i>	-0.22	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.31	
33 14 13 23-0382	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	5.63	1.01
			<i>For >1,000, Deduct</i>	-0.28	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.47	
33 14 13 23-0383	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	7.04	1.16
			<i>For >1,000, Deduct</i>	-0.35	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.62	
33 14 13 23-0384	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	9.64	1.43
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.91	
33 14 13 23-0385	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	16.09	1.82
			<i>For >1,000, Deduct</i>	-0.80	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.73	
33 14 13 23-0386			90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	24.71	9.17
33 14 13 23-0388	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	32.88	12.68
33 14 13 23-0389	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	38.28	14.21
33 14 13 23-0390	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	47.25	16.12
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	54.28	18.64
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	69.10	22.88
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	106.41	29.07
33 14 13 23-0394			45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	29.17	9.17
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	37.17	12.68
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	42.40	14.21
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	54.99	16.12
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	64.36	18.64
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	89.37	22.88
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	105.06	29.07
33 14 13 23-0402			Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	37.61	13.83
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	56.08	19.11

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....		63.58	21.24
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....		71.98	24.23
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....		84.09	27.88
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....		102.48	34.36
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....		165.74	43.69
33 14 13 23-0410		Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)			
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling		18.52	6.58
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		27.29	9.55
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		30.29	10.63
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling		39.33	12.07
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling		45.29	13.94
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling		55.98	17.14
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling		82.60	21.84
33 14 13 23-0418		Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)			
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross		50.07	18.41
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross		74.72	25.45
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross		84.73	28.35
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross		95.92	32.25
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross		112.04	37.20
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross		136.53	45.77
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross		220.65	58.22
33 14 13 23-0426		AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)			
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.			
33 14 13 23-0427		High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)			
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		6.24	2.40
		For SDR 19, Add		0.12	
		For SDR 17, Add		0.31	
		For SDR 15.5, Add		0.45	
		For SDR 13.5, Add		0.70	
		For SDR 11, Add		1.13	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		8.95	3.05
		For SDR 26, Deduct		-0.52	
		For SDR 19, Add		0.26	
		For SDR 17, Add		0.63	
		For SDR 15.5, Add		0.93	
		For SDR 13.5, Add		1.45	
		For SDR 11, Add		2.33	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		13.55	3.69
		For SDR 26, Deduct		-1.13	
		For SDR 19, Add		0.55	
		For SDR 17, Add		1.37	
		For SDR 15.5, Add		2.00	
		For SDR 13.5, Add		3.13	
		For SDR 11, Add		5.04	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		18.77	4.16
		For SDR 26, Deduct		-1.92	
		For SDR 19, Add		0.94	
		For SDR 17, Add		2.32	
		For SDR 15.5, Add		3.40	
		For SDR 13.5, Add		5.31	
		For SDR 11, Add		8.55	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		25.50	4.62
		For SDR 26, Deduct		-2.98	
		For SDR 19, Add		1.46	
		For SDR 17, Add		3.61	
		For SDR 15.5, Add		5.29	
		For SDR 13.5, Add		8.26	
		For SDR 11, Add		13.29	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		33.69	51.73
		For SDR 26, Deduct		-4.30	
		For SDR 19, Add		2.11	
		For SDR 17, Add		5.21	
		For SDR 15.5, Add		7.63	
		For SDR 13.5, Add		11.91	
		For SDR 11, Add		19.16	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		39.10	5.82
		For SDR 26, Deduct		-5.05	
		For SDR 19, Add		2.48	
		For SDR 17, Add		6.12	
		For SDR 15.5, Add		8.96	
		For SDR 13.5, Add		13.99	
		For SDR 11, Add		22.52	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe		48.93	6.47
		For SDR 26, Deduct		-6.60	
		For SDR 19, Add		3.24	
		For SDR 17, Add		8.00	
		For SDR 15.5, Add		11.71	
		For SDR 13.5, Add		18.28	
		For SDR 11, Add		29.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0436	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	61.06	7.76
			<i>For SDR 26, Deduct</i>	-8.34	
			<i>For SDR 19, Add</i>	4.09	
			<i>For SDR 17, Add</i>	10.11	
			<i>For SDR 15.5, Add</i>	14.80	
			<i>For SDR 13.5, Add</i>	23.10	
			<i>For SDR 11, Add</i>	37.19	
33 14 13 23-0437	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	62.95	9.24
			<i>For SDR 26, Deduct</i>	-8.15	
			<i>For SDR 19, Add</i>	4.00	
			<i>For SDR 17, Add</i>	9.88	
			<i>For SDR 15.5, Add</i>	14.47	
			<i>For SDR 13.5, Add</i>	22.59	
			<i>For SDR 11, Add</i>	36.36	
33 14 13 23-0438	LF		24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	103.12	11.09
			<i>For SDR 26, Deduct</i>	-14.84	
			<i>For SDR 19, Add</i>	7.29	
			<i>For SDR 17, Add</i>	17.99	
			<i>For SDR 15.5, Add</i>	26.34	
			<i>For SDR 13.5, Add</i>	41.11	
			<i>For SDR 11, Add</i>	66.18	
33 14 13 23-0439			90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0440	EA		3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	49.95	11.46
			<i>For SDR 26, Deduct</i>	-2.85	
			<i>For SDR 19, Add</i>	1.40	
			<i>For SDR 17, Add</i>	3.46	
			<i>For SDR 15.5, Add</i>	5.07	
			<i>For SDR 13.5, Add</i>	7.91	
			<i>For SDR 11, Add</i>	12.73	
33 14 13 23-0441	EA		4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.76	12.74
			<i>For SDR 26, Deduct</i>	-3.40	
			<i>For SDR 19, Add</i>	1.67	
			<i>For SDR 17, Add</i>	4.12	
			<i>For SDR 15.5, Add</i>	6.04	
			<i>For SDR 13.5, Add</i>	9.42	
			<i>For SDR 11, Add</i>	15.16	
33 14 13 23-0442	EA		6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	92.99	14.56
			<i>For SDR 26, Deduct</i>	-9.05	
			<i>For SDR 19, Add</i>	4.44	
			<i>For SDR 17, Add</i>	10.97	
			<i>For SDR 15.5, Add</i>	16.06	
			<i>For SDR 13.5, Add</i>	25.06	
			<i>For SDR 11, Add</i>	40.34	
33 14 13 23-0443	EA		8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	154.12	17.00
			<i>For SDR 26, Deduct</i>	-18.91	
			<i>For SDR 19, Add</i>	9.28	
			<i>For SDR 17, Add</i>	22.92	
			<i>For SDR 15.5, Add</i>	33.57	
			<i>For SDR 13.5, Add</i>	52.39	
			<i>For SDR 11, Add</i>	84.33	
33 14 13 23-0444	EA		10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	240.09	22.70
			<i>For SDR 26, Deduct</i>	-31.56	
			<i>For SDR 19, Add</i>	15.49	
			<i>For SDR 17, Add</i>	38.25	
			<i>For SDR 15.5, Add</i>	56.02	
			<i>For SDR 13.5, Add</i>	87.44	
			<i>For SDR 11, Add</i>	140.74	
33 14 13 23-0445	EA		12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	353.97	33.97
			<i>For SDR 26, Deduct</i>	-46.21	
			<i>For SDR 19, Add</i>	22.69	
			<i>For SDR 17, Add</i>	56.02	
			<i>For SDR 15.5, Add</i>	82.04	
			<i>For SDR 13.5, Add</i>	128.05	
			<i>For SDR 11, Add</i>	206.10	
33 14 13 23-0446	EA		14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	436.47	45.33
			<i>For SDR 26, Deduct</i>	-55.09	
			<i>For SDR 19, Add</i>	27.05	
			<i>For SDR 17, Add</i>	66.78	
			<i>For SDR 15.5, Add</i>	97.80	
			<i>For SDR 13.5, Add</i>	152.65	
			<i>For SDR 11, Add</i>	245.70	
33 14 13 23-0447	EA		16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	563.63	67.93
			<i>For SDR 26, Deduct</i>	-65.97	
			<i>For SDR 19, Add</i>	32.39	
			<i>For SDR 17, Add</i>	79.97	
			<i>For SDR 15.5, Add</i>	117.11	
			<i>For SDR 13.5, Add</i>	182.80	
			<i>For SDR 11, Add</i>	294.23	
33 14 13 23-0448	EA		18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	719.04	76.41
			<i>For SDR 26, Deduct</i>	-89.78	
			<i>For SDR 19, Add</i>	44.08	
			<i>For SDR 17, Add</i>	108.83	
			<i>For SDR 15.5, Add</i>	159.37	
			<i>For SDR 13.5, Add</i>	248.76	
			<i>For SDR 11, Add</i>	400.40	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0449	EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	999.38	86.73
	For SDR 26, Deduct	-135.00	
	For SDR 19, Add	66.29	
	For SDR 17, Add	163.65	
	For SDR 15.5, Add	239.66	
	For SDR 13.5, Add	374.08	
	For SDR 11, Add	602.11	
33 14 13 23-0450	EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,288.94	101.94
	For SDR 26, Deduct	-180.23	
	For SDR 19, Add	88.49	
	For SDR 17, Add	218.48	
	For SDR 15.5, Add	319.96	
	For SDR 13.5, Add	499.40	
	For SDR 11, Add	803.82	
33 14 13 23-0451	Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0452	EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.27	12.00
	For SDR 26, Deduct	-3.73	
	For SDR 19, Add	1.83	
	For SDR 17, Add	4.52	
	For SDR 15.5, Add	6.63	
	For SDR 13.5, Add	10.34	
	For SDR 11, Add	16.64	
33 14 13 23-0453	EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	64.71	13.59
	For SDR 26, Deduct	-4.39	
	For SDR 19, Add	2.16	
	For SDR 17, Add	5.33	
	For SDR 15.5, Add	7.80	
	For SDR 13.5, Add	12.17	
	For SDR 11, Add	19.60	
33 14 13 23-0454	EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	109.67	15.69
	For SDR 26, Deduct	-11.49	
	For SDR 19, Add	5.64	
	For SDR 17, Add	13.92	
	For SDR 15.5, Add	20.39	
	For SDR 13.5, Add	31.83	
	For SDR 11, Add	51.22	
33 14 13 23-0455	EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	214.52	18.54
	For SDR 26, Deduct	-29.14	
	For SDR 19, Add	14.31	
	For SDR 17, Add	35.32	
	For SDR 15.5, Add	51.73	
	For SDR 13.5, Add	80.74	
	For SDR 11, Add	129.95	
33 14 13 23-0456	EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	290.94	27.21
	For SDR 26, Deduct	-38.39	
	For SDR 19, Add	18.85	
	For SDR 17, Add	46.53	
	For SDR 15.5, Add	68.15	
	For SDR 13.5, Add	106.36	
	For SDR 11, Add	171.20	
33 14 13 23-0457	EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	408.24	40.81
	For SDR 26, Deduct	-52.41	
	For SDR 19, Add	25.74	
	For SDR 17, Add	63.54	
	For SDR 15.5, Add	93.05	
	For SDR 13.5, Add	145.23	
	For SDR 11, Add	233.76	
33 14 13 23-0458	EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	489.24	50.97
	For SDR 26, Deduct	-61.66	
	For SDR 19, Add	30.28	
	For SDR 17, Add	74.75	
	For SDR 15.5, Add	109.47	
	For SDR 13.5, Add	170.86	
	For SDR 11, Add	275.02	
33 14 13 23-0459	EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	628.85	76.41
	For SDR 26, Deduct	-73.23	
	For SDR 19, Add	35.95	
	For SDR 17, Add	88.77	
	For SDR 15.5, Add	129.99	
	For SDR 13.5, Add	202.90	
	For SDR 11, Add	326.58	
33 14 13 23-0460	EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	822.11	89.02
	For SDR 26, Deduct	-101.75	
	For SDR 19, Add	49.96	
	For SDR 17, Add	123.34	
	For SDR 15.5, Add	180.62	
	For SDR 13.5, Add	281.93	
	For SDR 11, Add	453.78	
33 14 13 23-0461	EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,174.74	105.15
	For SDR 26, Deduct	-156.86	
	For SDR 19, Add	77.02	
	For SDR 17, Add	190.15	
	For SDR 15.5, Add	278.46	
	For SDR 13.5, Add	434.64	
	For SDR 11, Add	699.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,538.50	127.46
			<i>For SDR 26, Deduct</i>	-211.97	
			<i>For SDR 19, Add</i>	104.08	
			<i>For SDR 17, Add</i>	256.96	
			<i>For SDR 15.5, Add</i>	376.30	
			<i>For SDR 13.5, Add</i>	587.35	
			<i>For SDR 11, Add</i>	945.37	
33 14 13 26			Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36			Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001			Steel Piping (33 14 13 36)		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
			Note: ASTM A252 steel pipe.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	98.13	20.68
			<i>For <100, Add</i>	9.61	
			<i>For >1,000, Deduct</i>	-4.91	
33 14 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	119.40	20.68
			<i>For <100, Add</i>	10.67	
			<i>For >1,000, Deduct</i>	-5.97	
33 14 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	117.83	22.56
			<i>For <100, Add</i>	11.02	
			<i>For >1,000, Deduct</i>	-5.89	
33 14 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	144.72	22.56
			<i>For <100, Add</i>	12.36	
			<i>For >1,000, Deduct</i>	-7.24	
33 14 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	144.54	23.63
			<i>For <100, Add</i>	12.60	
			<i>For >1,000, Deduct</i>	-7.23	
33 14 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	165.46	23.63
			<i>For <100, Add</i>	13.64	
			<i>For >1,000, Deduct</i>	-8.27	
33 14 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	176.44	26.13
			<i>For <100, Add</i>	14.76	
			<i>For >1,000, Deduct</i>	-8.82	
33 14 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	193.15	26.13
			<i>For <100, Add</i>	15.60	
			<i>For >1,000, Deduct</i>	-9.66	
33 14 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	187.33	27.57
			<i>For <100, Add</i>	15.63	
			<i>For >1,000, Deduct</i>	-9.37	
33 14 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	200.24	27.57
			<i>For <100, Add</i>	16.28	
			<i>For >1,000, Deduct</i>	-10.01	
33 14 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	233.78	31.02
			<i>For <100, Add</i>	18.74	
			<i>For >1,000, Deduct</i>	-11.69	
33 14 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	254.93	31.02
			<i>For <100, Add</i>	19.80	
			<i>For >1,000, Deduct</i>	-12.75	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	200.68	39.63
			<i>For <100, Add</i>	16.26	
			<i>For >1,000, Deduct</i>	-10.03	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	239.48	43.59
			<i>For <100, Add</i>	18.86	
			<i>For >1,000, Deduct</i>	-11.97	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	267.00	45.57
			<i>For <100, Add</i>	20.62	
			<i>For >1,000, Deduct</i>	-13.35	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	301.27	51.52
			<i>For <100, Add</i>	23.24	
			<i>For >1,000, Deduct</i>	-15.06	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	315.61	51.52
			<i>For <100, Add</i>	23.96	
			<i>For >1,000, Deduct</i>	-15.78	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	328.87	51.52
			<i>For <100, Add</i>	24.62	
			<i>For >1,000, Deduct</i>	-16.44	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	344.17	51.52
			<i>For <100, Add</i>	25.38	
			<i>For >1,000, Deduct</i>	-17.21	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	399.27	59.45
			<i>For <100, Add</i>	29.31	
			<i>For >1,000, Deduct</i>	-19.96	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	446.59	59.45
			<i>For <100, Add</i>	31.67	
			<i>For >1,000, Deduct</i>	-22.33	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	562.74	59.45
			<i>For <100, Add</i>	37.48	
			<i>For >1,000, Deduct</i>	-28.14	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	498.08	69.35
		<i>For <100, Add</i>	35.80	
		<i>For >1,000, Deduct</i>	-24.90	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	517.44	69.35
		<i>For <100, Add</i>	36.77	
		<i>For >1,000, Deduct</i>	-25.87	

33 14 13 36-0029 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)

33 14 13 36-0030	EA	2" Dresser Coupling For Plain End Welded Steel Pipe.....	95.24	19.16
33 14 13 36-0031	EA	3" Dresser Coupling For Plain End Welded Steel Pipe.....	134.68	36.86
33 14 13 36-0032	EA	4" Dresser Coupling For Plain End Welded Steel Pipe.....	179.17	48.66
33 14 13 36-0033	EA	6" Dresser Coupling For Plain End Welded Steel Pipe.....	288.42	73.72
33 14 13 36-0034	EA	8" Dresser Coupling For Plain End Welded Steel Pipe.....	380.05	92.88
33 14 13 36-0035	EA	10" Dresser Coupling For Plain End Welded Steel Pipe.....	552.45	123.74
33 14 13 36-0036	EA	12" Dresser Coupling For Plain End Welded Steel Pipe.....	653.64	155.09
33 14 13 36-0037	EA	14" Dresser Coupling For Plain End Welded Steel Pipe.....	704.15	155.09
33 14 13 36-0038	EA	16" Dresser Coupling For Plain End Welded Steel Pipe.....	743.35	177.37
33 14 13 36-0039	EA	18" Dresser Coupling For Plain End Welded Steel Pipe.....	815.63	189.74
33 14 13 36-0040	EA	20" Dresser Coupling For Plain End Welded Steel Pipe.....	889.85	214.49
33 14 13 36-0041	EA	24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,131.99	226.87

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)**33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe.....	6.11	1.44
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe.....	7.94	1.62
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe.....	10.62	1.80
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe.....	13.44	2.15
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe.....	16.70	2.88
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe.....	24.92	3.59
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe.....	31.13	4.32
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe.....	39.55	4.75
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe.....	53.00	5.97
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe.....	70.24	7.54
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe.....	115.41	9.42
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe.....	149.70	11.36
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe.....	263.37	12.72

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe.....	6.58	1.44
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe.....	9.60	1.62
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe.....	12.27	1.80
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe.....	14.46	2.15
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe.....	18.22	2.88
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe.....	26.95	3.59
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe.....	36.77	4.32
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe.....	48.00	4.75
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe.....	62.93	5.97
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe.....	85.31	7.54
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe.....	146.59	9.42
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe.....	205.77	11.36
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe.....	366.85	12.72

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)**33 14 13 43-0001 Pipe Coatings (33 14 13 43)****33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)**

Note: Applied at fabrication shop.

33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.03	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.36	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.12	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.43	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.92	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.07	

33 14 13 43-0009 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0010	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.81	
33 14 13 43-0011	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.33	
33 14 13 43-0012	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.64	
33 14 13 43-0013	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.08	
33 14 13 43-0014	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.88	
33 14 13 43-0015	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.70	
33 14 13 43-0016	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.71	
33 14 13 43-0017	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.61	
33 14 13 43-0018	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.67	
33 14 13 43-0019	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.35	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 53-001 Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	213.85
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	311.56
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	320.64
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	260.29
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	331.64
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	271.20
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	346.82
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	307.82
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	365.27
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	320.36
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	376.10

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	171.15
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	171.30
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	182.15
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	174.74
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	187.07
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	208.54
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.99
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	201.77
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	223.45
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.59
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	212.74
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	235.18
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	246.25
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	224.18
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	245.89
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	256.80
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	395.82
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	404.90
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	244.06
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	270.79
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	280.74
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	473.26
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	276.40
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	308.90
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	532.52
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	302.59
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	337.11
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	348.77
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	598.61
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.19
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	385.73
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.24
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	746.83
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	368.26
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	424.51
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	442.27
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	804.96
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	384.96
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	443.36
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	461.64
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	837.97
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	429.85
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	501.62
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	495.76
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	550.78
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	518.21
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	588.62

33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	245.25
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	269.45
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	279.56
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	304.00
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	314.13
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	330.19
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	300.86
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	320.75

33 Utilities
33 10 Water Utilities
33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0070	EA		12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	392.01	
33 14 13 53-0071	EA		12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	425.69	
33 14 13 53-0072	EA		14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	612.13	
33 14 13 53-0073	EA		14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	695.90	
33 14 13 53-0074	EA		16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	715.77	
33 14 13 53-0075	EA		16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	803.17	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA		4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	259.63	
33 14 13 53-0078	EA		4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	287.60	
33 14 13 53-0079	EA		6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	296.54	
33 14 13 53-0080	EA		6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	323.41	
33 14 13 53-0081	EA		8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	335.13	
33 14 13 53-0082	EA		8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	352.32	
33 14 13 53-0083	EA		10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	380.91	
33 14 13 53-0084	EA		10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	408.70	
33 14 13 53-0085	EA		12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	411.26	
33 14 13 53-0086	EA		12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	447.41	
33 14 13 53-0087	EA		14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	659.82	
33 14 13 53-0088	EA		14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	763.34	
33 14 13 53-0089	EA		16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	772.35	
33 14 13 53-0090	EA		16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	844.24	
33 14 13 53-0091	EA		18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,293.89	
33 14 13 53-0092	EA		18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,293.89	
33 14 13 53-0093	EA		20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,342.69	
33 14 13 53-0094	EA		20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,342.69	
33 14 13 53-0095	EA		24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,441.30	
33 14 13 53-0096	EA		24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,441.30	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA		4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,213.31	
33 14 13 53-0099	EA		6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,462.23	
33 14 13 53-0100	EA		8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,754.17	
33 14 13 53-0101	EA		8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,861.61	
33 14 13 53-0102	EA		10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,903.57	
33 14 13 53-0103	EA		10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,055.68	
33 14 13 53-0104	EA		10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,118.40	
33 14 13 53-0105	EA		12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,039.69	
33 14 13 53-0106	EA		12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,191.19	
33 14 13 53-0107	EA		12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,566.73	
33 14 13 53-0108	EA		12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,658.73	
33 14 13 53-0109	EA		14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,266.70	
33 14 13 53-0110	EA		14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,438.47	
33 14 13 53-0111	EA		14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,513.25	
33 14 13 53-0112	EA		14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,542.87	
33 14 13 53-0113	EA		14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,783.86	
33 14 13 53-0114	EA		16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,766.01	
33 14 13 53-0115	EA		16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,784.17	
33 14 13 53-0116	EA		16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,976.63	
33 14 13 53-0117	EA		16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,018.60	
33 14 13 53-0118	EA		16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,065.26	
33 14 13 53-0119	EA		16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,995.01	
33 14 13 53-0120	EA		16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,407.34	
33 14 13 53-0121	EA		18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,485.77	
33 14 13 53-0122	EA		18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,925.95	
33 14 13 53-0123	EA		18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,037.89	
33 14 13 53-0124	EA		18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,390.18	
33 14 13 53-0125	EA		20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,808.19	
33 14 13 53-0126	EA		20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,465.96	
33 14 13 53-0127	EA		20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,631.10	
33 14 13 53-0128	EA		20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,692.87	
33 14 13 53-0129	EA		20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,018.33	
33 14 13 53-0130	EA		20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,332.00	
33 14 13 53-0131	EA		20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,561.90	
33 14 13 53-0132	EA		24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,673.56	
33 14 13 53-0133	EA		24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,818.03	
33 14 13 53-0134	EA		24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,857.53	
33 14 13 53-0135	EA		24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,206.34	
33 14 13 53-0136	EA		24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,399.14	
33 14 13 53-0137	EA		24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,435.44	
33 14 13 53-0138	EA		24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,862.95	
33 14 13 53-0139	EA		24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,061.37	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA		4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,002.16	
33 14 13 53-0142	EA		6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,052.41	
33 14 13 53-0143	EA		6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,157.24	
33 14 13 53-0144	EA		8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,180.99	
33 14 13 53-0145	EA		8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,230.89	
33 14 13 53-0146	EA		8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,430.75	
33 14 13 53-0147	EA		10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,283.48	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,331.94	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,507.05	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,141.54	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,435.21	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,508.49	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,680.73	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,248.63	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,465.79	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,918.06	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	1,977.88	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,352.87	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,818.90	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,120.32	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,290.54	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,352.44	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,599.09	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,267.68	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,422.11	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,406.20	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,522.16	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,685.08	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,472.65	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,626.89	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,925.32	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,987.08	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,358.55	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,989.93	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,255.13	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,145.10	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,286.04	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,478.01	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,376.13	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,537.15	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,174.97	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,270.67	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,347.43	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,363.56	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,452.69	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,728.28	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,566.13	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,665.47	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,912.00	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,629.35	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,782.20	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,919.33	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,246.52	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,674.23	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,000.12	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,032.39	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,201.67	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,570.69	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,998.81	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,223.05	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,498.22	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,731.36	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,907.90	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,368.59	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,679.60	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,741.42	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,092.19	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,276.64	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,680.90	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,217.27	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,945.12	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,294.98	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,443.96	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,200.29	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,619.19	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,510.68	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,556.42	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,736.00	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,639.73	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,119.87	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	286.03	43.14
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	358.15	54.39
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	468.53	75.02
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	613.45	88.15
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	990.16	99.41
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,105.14	112.54

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 14 13 53-0229		Steel Body, Flanged Coupling Adapter (33 14 13 53)			
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	430.99		43.14
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	507.30		54.39
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	675.71		75.02
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	829.07		88.15
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,017.82		99.41
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,188.32		112.54
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,418.63		123.79
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,688.09		135.04
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,001.09		148.55
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,373.08		163.40
33 14 13 53-0240		Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)			
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	367.84		54.39
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	492.46		75.02
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	541.84		88.15
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	811.13		99.41
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,042.73		112.54
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,171.19		123.79
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,383.87		135.04
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,555.07		148.55
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,879.22		163.40
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,275.46		179.75
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,859.88		197.69
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,592.45		217.49
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System (33 14 13 53)			
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	122.15		30.01
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	151.61		35.64
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	188.36		43.14
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	236.39		54.39
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	313.71		75.02
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	383.20		88.15
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	486.05		99.41
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	570.94		112.54
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	826.19		123.79
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,043.87		135.04
33 14 19		Valves and Hydrants for Water Utility Service (33 14)			
		See CSI section 23 21 13 23-0669 for bolt and gasket sets.			
33 14 19 00-0001		Water Utility Distribution Valves (33 14 19)			
33 14 19 00-0002		Angle Valves (33 14 19 00-0001)			
		Note: For connecting meters to water service.			
33 14 19 00-0003		Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)			
		Note: Nibco T-335Y			
33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	86.36		12.80
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	116.47		17.20
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	158.40		21.20
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	204.23		26.64
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	256.65		30.80
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	388.94		36.01
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	628.82		49.17
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	965.93		56.76
33 14 19 00-0012		Butterfly Valves (33 14 19 00-0001)			
33 14 19 00-0013		Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)			
		Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8)	1,964.78		136.01
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8)	2,196.07		136.01
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8)	2,079.64		210.63
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8)	2,310.92		210.63
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8)	2,399.47		263.09
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8)	2,630.75		263.09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	2,702.57	336.17
33 14 19 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	2,933.85	336.17
33 14 19 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,388.66	409.25
33 14 19 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	3,388.66	409.25
33 14 19 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8).....	3,864.07	496.05
33 14 19 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8).....	4,095.35	496.05
33 14 19 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12).....	5,311.45	726.90
33 14 19 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12).....	5,920.54	726.90
33 14 19 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16).....	6,183.35	799.59
33 14 19 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20).....	6,931.69	799.59
33 14 19 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	7,763.63	886.82
33 14 19 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	8,549.50	886.82
33 14 19 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24).....	8,788.42	999.49
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24).....	9,574.30	999.49
33 14 19 00-0034 Lug Type Flanged, Ductile Iron Disc, Butterfly Valves <small>(33 14 19 00-0012)</small> Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20).....	14,659.46	1,226.65
33 14 19 00-0036 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10).....	23,087.32	1,226.65
33 14 19 00-0037 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20).....	14,606.18	1,226.65
33 14 19 00-0038 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	31,296.45	1,931.25
33 14 19 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24).....	36,789.74	2,575.00
33 14 19 00-0040 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32).....	46,211.85	3,862.49
33 14 19 00-0041 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24).....	62,992.25	4,828.13
33 14 19 00-0042 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24).....	100,905.30	5,793.75
33 14 19 00-0043 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36).....	126,666.19	6,952.50
33 14 19 00-0044 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36).....	182,645.36	8,342.99
33 14 19 00-0045 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel.....	19.37	
33 14 19 00-0046 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel.....	8.48	
Note: One required per valve.		
33 14 19 00-0047 Check Valves <small>(33 14 19 00-0001)</small>		
33 14 19 00-0048 Flanged, Swing Type Gravity Operated Check Valves <small>(33 14 19 00-0047)</small> Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0049 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	746.74	106.89
33 14 19 00-0050 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	769.55	125.33
33 14 19 00-0051 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,070.92	158.50
33 14 19 00-0052 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,481.46	238.48

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 19 00-0053	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,540.38	266.34
33 14 19 00-0054	EA	6" Flanged, Swing Type Gravity Operated Check Valve.....	1,469.68	265.39
33 14 19 00-0055	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,916.58	301.67
33 14 19 00-0056	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,002.14	339.11
33 14 19 00-0057	EA	8" Flanged, Swing Type Gravity Operated Check Valve.....	2,085.12	339.11
33 14 19 00-0058	EA	10" Flanged, Swing Type Gravity Operated Check Valve.....	3,501.47	412.83
33 14 19 00-0059	EA	12" Flanged, Swing Type Gravity Operated Check Valve.....	5,292.51	309.63
33 14 19 00-0060	EA	14" Flanged, Swing Type Gravity Operated Check Valve.....	7,518.47	726.90
33 14 19 00-0061	EA	16" Flanged, Swing Type Gravity Operated Check Valve.....	9,957.96	799.59
33 14 19 00-0062	EA	18" Flanged, Swing Type Gravity Operated Check Valve.....	14,377.02	886.82
33 14 19 00-0063	EA	20" Flanged, Swing Type Gravity Operated Check Valve.....	16,730.26	999.49
33 14 19 00-0064		Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0047)		
Note: Class 125. Watts WCV-2, Nibco T-413.				
33 14 19 00-0065	EA	1/4" Threaded, Bronze, Swing Type Check Valve.....	39.69	12.88
33 14 19 00-0066	EA	3/8" Threaded, Bronze, Swing Type Check Valve.....	40.91	12.88
33 14 19 00-0067	EA	1/2" Threaded, Bronze, Swing Type Check Valve.....	37.78	12.88
33 14 19 00-0068	EA	3/4" Threaded, Bronze, Swing Type Check Valve.....	50.07	17.40
33 14 19 00-0069	EA	1" Threaded, Bronze, Swing Type Check Valve.....	53.73	21.04
33 14 19 00-0070	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve.....	83.55	26.64
33 14 19 00-0071	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve.....	102.80	30.80
33 14 19 00-0072	EA	2" Threaded, Bronze, Swing Type Check Valve.....	136.47	36.01
33 14 19 00-0073	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve.....	177.70	49.17
33 14 19 00-0074		Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0075	EA	1" Combination Air Release Valve.....	428.31	15.48
33 14 19 00-0076	EA	2" Combination Air Release Valve.....	691.16	26.54
33 14 19 00-0077		Corporation Stop And Curb Valve (33 14 19 00-0001)		
Note: AWWA C800				
33 14 19 00-0078		Ball Corporation Valves (33 14 19 00-0077)		
Note: Mueller B-25000.				
33 14 19 00-0079	EA	3/4" Ball Corporation Valve (Mueller B-25000).....	65.65	15.48
33 14 19 00-0080	EA	1" Ball Corporation Valve (Mueller B-25000).....	82.65	19.16
33 14 19 00-0081	EA	1-1/2" Ball Corporation Valve (Mueller B-25000).....	151.06	28.02
33 14 19 00-0082	EA	2" Ball Corporation Valve (Mueller B-25000).....	231.79	33.17
33 14 19 00-0083		Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0084		Gate Valve, Flanged (33 14 19 00-0083)		
Note: Mueller A-2380-6.				
33 14 19 00-0085	EA	2" Gate Valve, Flanged.....	468.55	98.27
33 14 19 00-0086	EA	2-1/2" Gate Valve, Flanged.....	546.80	106.89
33 14 19 00-0087	EA	3" Gate Valve, Flanged.....	646.69	125.33
33 14 19 00-0088	EA	4" Gate Valve, Flanged.....	861.42	157.02
33 14 19 00-0089	EA	6" Gate Valve, Flanged.....	1,064.66	265.39
33 14 19 00-0090	EA	8" Gate Valve, Flanged.....	1,564.72	339.11
33 14 19 00-0091	EA	10" Gate Valve, Flanged.....	2,333.12	412.83
33 14 19 00-0092	EA	12" Gate Valve, Flanged.....	2,813.12	309.63
33 14 19 00-0093	EA	14" Gate Valve, Flanged.....	6,148.15	726.90
33 14 19 00-0094	EA	16" Gate Valve, Flanged.....	8,001.04	799.59
33 14 19 00-0095	EA	18" Gate Valve, Flanged.....	12,568.85	886.82
33 14 19 00-0096	EA	20" Gate Valve, Flanged.....	15,013.44	999.49
33 14 19 00-0097		Resilient Wedge Gate Valve, Flanged (33 14 19 00-0083)		
Note: Mueller A-2360-6.				
33 14 19 00-0098	EA	2" Resilient Wedge Gate Valve, Flanged.....	449.00	98.27
33 14 19 00-0099	EA	2-1/2" Resilient Wedge Gate Valve, Flanged.....	523.44	106.89
33 14 19 00-0100	EA	3" Resilient Wedge Gate Valve, Flanged.....	618.96	125.33
33 14 19 00-0101	EA	4" Resilient Wedge Gate Valve, Flanged.....	830.43	157.02
33 14 19 00-0102	EA	6" Resilient Wedge Gate Valve, Flanged.....	1,023.23	265.39
33 14 19 00-0103	EA	8" Resilient Wedge Gate Valve, Flanged.....	1,500.00	339.11
33 14 19 00-0104	EA	10" Resilient Wedge Gate Valve, Flanged.....	2,230.28	412.83
33 14 19 00-0105	EA	12" Resilient Wedge Gate Valve, Flanged.....	2,688.95	309.63
33 14 19 00-0106		Gate Valve, Mechanical Joint (33 14 19 00-0083)		
Note: Mueller A-2380-20.				
33 14 19 00-0107	EA	2" Gate Valve, Mechanical Joint.....	551.40	78.51
33 14 19 00-0108	EA	2-1/2" Gate Valve, Mechanical Joint.....	601.63	98.41
33 14 19 00-0109	EA	3" Gate Valve, Mechanical Joint.....	754.49	119.06
33 14 19 00-0110	EA	4" Gate Valve, Mechanical Joint.....	904.69	157.02
33 14 19 00-0111	EA	6" Gate Valve, Mechanical Joint.....	1,133.16	184.30
33 14 19 00-0112	EA	8" Gate Valve, Mechanical Joint.....	1,631.77	221.16
33 14 19 00-0113	EA	10" Gate Valve, Mechanical Joint.....	2,364.51	258.02
33 14 19 00-0114	EA	12" Gate Valve, Mechanical Joint.....	2,955.64	309.63
33 14 19 00-0115	EA	14" Gate Valve, Mechanical Joint.....	6,518.67	445.23
33 14 19 00-0116	EA	16" Gate Valve, Mechanical Joint.....	8,399.24	499.74
33 14 19 00-0117	EA	18" Gate Valve, Mechanical Joint.....	13,281.79	554.27
33 14 19 00-0118	EA	20" Gate Valve, Mechanical Joint.....	15,783.01	624.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0119	Resilient Wedge Gate Valve, Mechanical Joint <small>(33 14 19 00-0083)</small> Note: Mueller A-2360-20.		
33 14 19 00-0120	EA 2" Resilient Wedge Gate Valve, Mechanical Joint	529.08	78.51
33 14 19 00-0121	EA 3" Resilient Wedge Gate Valve, Mechanical Joint	725.26	119.06
33 14 19 00-0122	EA 4" Resilient Wedge Gate Valve, Mechanical Joint	871.25	157.02
33 14 19 00-0123	EA 6" Resilient Wedge Gate Valve, Mechanical Joint	1,089.89	184.30
33 14 19 00-0124	EA 8" Resilient Wedge Gate Valve, Mechanical Joint	1,564.45	221.16
33 14 19 00-0125	EA 10" Resilient Wedge Gate Valve, Mechanical Joint	2,259.88	258.02
33 14 19 00-0126	EA 12" Resilient Wedge Gate Valve, Mechanical Joint	2,823.37	309.63
33 14 19 00-0127	Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint <small>(33 14 19 00-0083)</small> Note: Mueller A-2361.		
33 14 19 00-0128	EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,713.73	726.90
33 14 19 00-0129	EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	6,212.72	799.59
33 14 19 00-0130	EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	9,640.27	886.82
33 14 19 00-0131	EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,498.54	999.49
33 14 19 00-0132	EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	16,306.90	1,226.65
33 14 19 00-0133	Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 14 19 00-0083)</small> Note: NIBCO T-113.		
33 14 19 00-0134	EA 1/4" Gate Valve, Bronze, Threaded	47.72	12.88
33 14 19 00-0135	EA 3/8" Gate Valve, Bronze, Threaded	48.94	12.88
33 14 19 00-0136	EA 1/2" Gate Valve, Bronze, Threaded	47.92	12.88
33 14 19 00-0137	EA 3/4" Gate Valve, Bronze, Threaded	61.12	17.40
33 14 19 00-0138	EA 1" Gate Valve, Bronze, Threaded	75.66	21.04
33 14 19 00-0139	EA 1-1/4" Gate Valve, Bronze, Threaded	104.28	26.64
33 14 19 00-0140	EA 1-1/2" Gate Valve, Bronze, Threaded	121.13	30.80
33 14 19 00-0141	EA 2" Gate Valve, Bronze, Threaded	147.70	36.01
33 14 19 00-0142	EA 2-1/2" Gate Valve, Bronze, Threaded	300.12	49.17
33 14 19 00-0143	EA 3" Gate Valve, Bronze, Threaded	361.39	56.40
33 14 19 00-0144	Globe Valve, AWWA <small>(33 14 19 00-0001)</small>		
33 14 19 00-0145	Globe Valve, Threaded, WW-V-51 Class B, Type 1 <small>(33 14 19 00-0144)</small> Note: NIBCO T-235.		
33 14 19 00-0146	EA 1/8" Globe Valve, Threaded.....	70.17	12.88
33 14 19 00-0147	EA 1/4" Globe Valve, Threaded.....	67.70	12.88
33 14 19 00-0148	EA 3/8" Globe Valve, Threaded.....	68.92	12.88
33 14 19 00-0149	EA 1/2" Globe Valve, Threaded.....	70.17	12.88
33 14 19 00-0150	EA 3/4" Globe Valve, Threaded.....	95.35	17.40
33 14 19 00-0151	EA 1" Globe Valve, Threaded.....	136.28	21.04
33 14 19 00-0152	EA 1-1/4" Globe Valve, Threaded	202.26	26.64
33 14 19 00-0153	EA 1-1/2" Globe Valve, Threaded	242.21	30.80
33 14 19 00-0154	EA 2" Globe Valve, Threaded.....	343.03	36.01
33 14 19 00-0155	EA 2-1/2" Globe Valve, Threaded	642.26	49.17
33 14 19 00-0156	EA 3" Globe Valve, Threaded.....	887.08	56.69
33 14 19 00-0157	Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>		
33 14 19 00-0158	Tapping Valve, AWWA C500 And C509 <small>(33 14 19 00-0157)</small> Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0159	EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	654.92	98.27
33 14 19 00-0160	EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	843.61	125.33
33 14 19 00-0161	EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,051.64	157.02
33 14 19 00-0162	EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,355.34	265.39
33 14 19 00-0163	EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,937.52	339.11
33 14 19 00-0164	EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,786.16	412.83
33 14 19 00-0165	EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,088.79	309.63
33 14 19 00-0166	EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	7,460.30	726.90
33 14 19 00-0167	EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	9,390.50	799.59
33 14 19 00-0168	EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	15,032.59	886.82
33 14 19 00-0169	Accessories For Valves <small>(33 14 19)</small>		
33 14 19 00-0170	EA 1" Valve Extension Stem	80.55	
	<i>For Each Additional LF, Add</i>	<i>5.89</i>	
33 14 19 00-0171	EA Up to 80" Long Indicator Post Telescoping Barrel Assembly	1,135.05	73.72
	Note: Excludes valve.		
33 14 19 00-0172	EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly	1,287.71	81.09
	Note: Excludes valve.		
33 14 19 00-0173	Roadway Or Curb Valve Boxes <small>(33 14 19)</small> See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0174	Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 14 19 00-0173)</small>		
33 14 19 00-0175	EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	179.22	9.73
	Note: Includes cover, top section and bottom section.		
33 14 19 00-0176	EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	209.09	9.73
	Note: Includes cover, top section and bottom section.		

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box' and 'Plastic Roadway Grade Water Meter Box And Cover'.

Water Utility Transmission and Distribution 33 14

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
33 14 19 00-0246	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,058.75	274.05
33 14 19 00-0247	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,162.91	292.32
33 14 19 00-0248	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,285.87	328.86
33 14 19 00-0249 Three Way, Modern Model Fire Hydrant^(33 14 19 00-0198)				
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).				
33 14 19 00-0250	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,640.75	204.62
33 14 19 00-0251	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,726.74	204.62
33 14 19 00-0252	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,812.99	204.62
33 14 19 00-0253	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,913.76	219.24
33 14 19 00-0254	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,999.81	219.24
33 14 19 00-0255	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,104.18	237.51
33 14 19 00-0256	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,190.35	237.51
33 14 19 00-0257	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,294.74	255.78
33 14 19 00-0258	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,380.82	255.78
33 14 19 00-0259	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,485.19	255.78
33 14 19 00-0260	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,589.82	292.32
33 14 19 00-0261	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,711.41	292.32
33 14 19 00-0262 Two Way, Modern Model Fire Hydrant^(33 14 19 00-0198)				
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).				
33 14 19 00-0263	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,562.49	204.62
33 14 19 00-0264	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,627.93	204.62
33 14 19 00-0265	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,694.10	204.62
33 14 19 00-0266	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,773.39	219.24
33 14 19 00-0267	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,838.81	219.24
33 14 19 00-0268	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,922.50	237.51
33 14 19 00-0269	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,987.90	237.51
33 14 19 00-0270	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,071.67	255.78
33 14 19 00-0271	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,136.90	255.78
33 14 19 00-0272	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,220.61	274.05
33 14 19 00-0273	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,304.39	292.32
33 14 19 00-0274	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,405.54	328.86
33 14 19 00-0275 Fire Hydrant Extension Kits^(33 14 19 00-0198)				
33 14 19 00-0276	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	520.28	18.27
33 14 19 00-0277	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	616.10	22.83
33 14 19 00-0278	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	667.39	27.41
33 14 19 00-0279	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	753.69	33.80
33 14 19 00-0280	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,167.40	35.17
33 14 19 00-0281	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,248.74	36.54
33 14 19 00-0282	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,265.38	38.37
33 14 19 00-0283	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,335.44	41.10
33 14 19 00-0284	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,464.89	49.33
33 14 19 00-0285	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,532.37	59.37
33 14 19 00-0286	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	579.19	20.47
33 14 19 00-0287	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	683.25	24.85
33 14 19 00-0288	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	781.80	29.96
33 14 19 00-0289	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	867.39	37.27
33 14 19 00-0290	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,210.37	38.74
33 14 19 00-0291	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,292.61	40.19
33 14 19 00-0292	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,347.37	42.39
33 14 19 00-0293	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,583.45	45.31
33 14 19 00-0294	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,726.88	54.08
33 14 19 00-0295	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,799.05	65.04
33 14 19 00-0296 Removal And Reinstallation Of Standard Fire Hydrant^(33 14 19 00-0198)				
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.				
33 14 19 00-0297	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	584.64	
33 14 19 00-0298	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	852.59	
33 14 19 00-0299	EA	Reset Fire Hydrant Upper Barrel	787.77	
Note: Includes Safety Repair Kit				
33 14 19 00-0300 Yard Hydrants^(33 14 19)				
Note: With 3/4" hose thread outlet.				
33 14 19 00-0301	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	318.28	24.00
33 14 19 00-0302	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	344.44	24.00
33 14 19 00-0303	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	370.60	24.00
33 14 19 00-0304	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	231.40	30.40
33 14 19 00-0305	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	242.60	30.40
33 14 19 00-0306	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	253.81	30.40
33 14 19 00-0307 Sanitary Yard Hydrants^(33 14 19)				
Note: With 3/4" hose thread outlet.				
33 14 19 00-0308	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,542.48	50.01
33 14 19 00-0309	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,624.25	50.01
33 14 19 00-0310	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,706.01	50.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0311		Flushing Hydrants (33 14 19)		
33 14 19 00-0312	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	594.90	30.91
33 14 23		Enclosures for Water Utility Piping and Valves (33 14)		
		See CSI section 22 11 19 00-0352 for Enclosures.		
33 16		Water Utility Storage Tanks (33 10)		
33 16 23		Ground-Level Steel Water Storage Tanks (33 16)		
		See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19		Water Utility Metering Equipment (33 10)		
33 19 13		Positive Displacement Water Meters (33 19)		
33 19 13 23		Nutating Disc Water Meters (33 19 13)		
33 19 13 23-0001		Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	285.39	41.60
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	360.04	49.60
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	487.98	56.80
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	961.13	84.81
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,304.17	110.40
33 19 16		Velocity-Type Water Meters (33 19)		
33 19 16 23		Turbine Water Meters (33 19 16)		
33 19 16 23-0001		Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002		Vertical Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	542.79	77.41
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	758.31	98.27
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,281.09	125.33
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,959.02	237.38
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	3,656.77	265.39
33 19 16 23-0008		Horizontal Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	839.98	77.41
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,182.59	98.27
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,451.19	125.33
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,183.87	237.38
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	4,476.00	265.39
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	5,995.54	339.11
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	8,403.32	412.83
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	10,598.68	833.04
33 19 19		Compound Water Meters (33 19)		
33 19 19 00-0001		Flanged Compound Type Water Service Meter (33 19 19)		
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,201.25	98.27
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	2,567.61	125.33
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	4,303.30	237.38
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,950.22	265.39
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	12,347.98	339.11
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	21,241.16	412.83
33 19 23		Magnetic Water Meters (33 19)		
33 19 23 00-0001		Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)		
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	6,030.70	98.27
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	8,339.60	125.33
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,555.61	237.38
33 30		Sanitary Sewerage Utilities (33)		
33 31		Sanitary Sewerage Piping (33 30)		
33 31 11		Public Sanitary Sewerage Gravity Piping (33 31)		
		Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 11 00-0001		Plastic Sewer And Drain Piping (33 31 11)		
33 31 11 00-0002		Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)		
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.37	3.34
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.82	3.93
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.50	4.77
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.95	5.57
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	17.87	6.47
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.72	7.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0009	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	28.38	7.79
33 31 11 00-0010	LF		12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	34.96	8.06
33 31 11 00-0011			Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>		
			Note: D-2729 PVC pipe.		
33 31 11 00-0012	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.55	4.77
33 31 11 00-0013	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	12.39	5.57
33 31 11 00-0014	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	15.42	6.47
33 31 11 00-0015			Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 11 00-0001)</small>		
33 31 11 00-0016			1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0017	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	17.82	10.16
33 31 11 00-0018	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.95	13.14
33 31 11 00-0019	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	36.66	17.65
33 31 11 00-0020	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	52.09	20.40
33 31 11 00-0021	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	170.78	26.52
33 31 11 00-0022	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	277.84	35.69
33 31 11 00-0023	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	367.10	47.53
33 31 11 00-0024			1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0025	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	18.42	10.16
33 31 11 00-0026	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	22.90	13.14
33 31 11 00-0027	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.77	17.65
33 31 11 00-0028	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	47.74	20.40
33 31 11 00-0029	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	159.70	26.52
33 31 11 00-0030	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	252.08	35.69
33 31 11 00-0031	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	291.32	47.53
33 31 11 00-0032	EA		12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	428.10	63.30
33 31 11 00-0033			Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0034	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.86	10.01
33 31 11 00-0035	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.10	13.14
33 31 11 00-0036	EA		3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	47.94	18.04
33 31 11 00-0037	EA		4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	74.09	22.01
33 31 11 00-0038	EA		6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	131.24	25.45
33 31 11 00-0039	EA		8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	218.18	29.04
33 31 11 00-0040	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	345.71	33.85
33 31 11 00-0041	EA		12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	513.51	39.46
33 31 11 00-0042			1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0043	EA		1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.68	10.16
33 31 11 00-0044	EA		2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	24.18	13.14
33 31 11 00-0045	EA		3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	39.47	17.65
33 31 11 00-0046	EA		4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	54.61	20.40
33 31 11 00-0047	EA		6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	207.65	26.52
33 31 11 00-0048	EA		8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	331.51	35.69
33 31 11 00-0049	EA		10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	379.33	47.53
33 31 11 00-0050	EA		12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	398.77	63.30
33 31 11 00-0051			Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0052	EA		2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	22.58	11.60
33 31 11 00-0053	EA		3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	37.21	13.84
33 31 11 00-0054	EA		3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	36.68	15.27
33 31 11 00-0055	EA		4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	52.27	16.69
33 31 11 00-0056	EA		4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	56.88	18.93
33 31 11 00-0057	EA		6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	150.63	23.44
33 31 11 00-0058	EA		8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	307.26	31.08
33 31 11 00-0059	EA		10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	93.37	33.93
33 31 11 00-0060	EA		10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	121.76	37.01
33 31 11 00-0061	EA		10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	119.20	41.56
33 31 11 00-0062	EA		12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	328.12	44.93
33 31 11 00-0063	EA		12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	347.97	49.48
33 31 11 00-0064	EA		12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	370.57	55.41
33 31 11 00-0065			Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0066	EA		1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	27.61	15.36
33 31 11 00-0067	EA		2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	36.33	19.87
33 31 11 00-0068	EA		3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	56.87	26.21
33 31 11 00-0069	EA		4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	82.20	32.55
33 31 11 00-0070	EA		6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	247.76	35.69
33 31 11 00-0071	EA		8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	322.46	47.53
33 31 11 00-0072			Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0073	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	32.21	15.36
33 31 11 00-0074	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	39.00	19.87

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	60.28		26.21
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	87.79		32.55
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	226.78		35.69
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	282.61		47.53
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	372.34		63.42
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	577.18		84.64
33 31 11 00-0081		Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	39.44		15.36
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	46.03		19.87
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	55.53		26.21
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	80.12		32.55
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	85.37		32.55
33 31 11 00-0087		Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	49.34		19.87
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	64.54		26.21
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	118.11		35.38
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	196.11		42.79
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2 Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	62.36		26.21
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	101.48		35.38
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	168.65		42.79
33 31 11 00-0095		Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	37.95		15.36
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	47.96		19.87
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	87.20		26.21
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	148.15		32.55
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	67.45		19.87
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	104.85		26.21
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	80.29		26.21
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	139.88		32.55
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	147.45		32.55
33 31 11 00-0105		Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	53.80		19.87
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	65.03		26.21
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	97.67		35.38
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	299.33		42.79
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	924.71		47.38
33 31 11 00-0111		Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	271.57		84.02
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	585.45		108.39
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	755.69		152.74
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,066.92		245.71
33 31 11 00-0116		Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	17.52		10.16
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	22.08		13.07
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	32.74		17.50
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	41.17		20.40
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	98.30		26.52
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	222.47		35.69
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	333.17		47.53
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	541.11		63.30
33 31 11 00-0125		Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	84.77		51.75
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	61.41		39.37
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	62.46		39.37
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	65.24		39.37
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	85.53		51.75
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	83.31		51.75
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	79.66		51.75
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	42.59		26.61
33 31 11 00-0134		Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	22.78		10.93
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	34.81		13.60
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	60.86		17.58

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0138		Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0015)</small>		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.52	10.16
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.42	13.14
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.64	17.65
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.50	20.40
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	60.75	26.52
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	188.31	35.69
33 31 11 00-0145		Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0001)</small>		
		Note: ASTM 3034.		
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	14.11	5.57
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	18.64	6.47
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	24.72	7.52
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	30.09	7.79
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	36.56	8.06
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	47.37	8.35
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	59.71	8.65
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	77.26	9.40
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	93.51	10.14
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe.....	116.15	11.89
33 31 11 00-0156		Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0001)</small>		
		Note: ASTM 3034.		
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	13.48	5.57
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	17.66	6.47
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	23.29	7.52
33 31 11 00-0160		Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings <small>(33 31 11 00-0001)</small>		
		Note: ASTM 3034.		
33 31 11 00-0161		1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	60.81	19.24
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	90.14	22.37
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	188.72	25.34
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	541.56	29.82
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	699.82	38.02
33 31 11 00-0167		1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0168	EA	4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	54.90	19.24
33 31 11 00-0169	EA	6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	83.63	22.37
33 31 11 00-0170	EA	8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	172.25	25.34
33 31 11 00-0171	EA	10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	386.47	29.82
33 31 11 00-0172	EA	12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	552.35	38.02
33 31 11 00-0173	EA	15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,184.40	53.67
33 31 11 00-0174	EA	18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,879.26	76.04
33 31 11 00-0175	EA	21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,135.79	100.64
33 31 11 00-0176	EA	24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,275.73	134.18
33 31 11 00-0177		Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	92.04	28.85
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	148.44	31.98
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	166.86	33.54
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	184.23	35.11
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	211.04	36.67
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	404.86	38.24
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	518.73	39.13
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	588.00	41.01
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	868.62	42.56
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,132.36	44.73
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	638.29	47.64
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	677.63	49.20
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	967.32	50.77
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,395.69	52.93
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,572.91	57.03
33 31 11 00-0193		Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>		
33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	87.46	28.85
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	133.17	31.98
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	146.34	33.54
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	177.68	35.11
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	203.23	36.67
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	311.50	38.24
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	474.41	39.44
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	483.92	41.01
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	728.48	42.56
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	806.15	44.73
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	601.29	47.64
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	620.18	49.20

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	888.57	50.77
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,070.87	52.93
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,118.09	57.03
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,377.96	68.59
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,528.84	72.69
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,911.67	80.51

33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)

33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	60.29	19.24
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	93.63	22.37
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.21	25.49
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.15	29.82
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	372.03	38.02
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	728.08	53.67
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,369.90	76.04
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,286.39	100.64
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,310.06	134.18

33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)

33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	115.67	20.80
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	165.88	22.37
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	174.92	23.92
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	394.56	26.09
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	453.52	27.66
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	506.75	30.19
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	581.67	31.76
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	666.99	33.92
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,004.30	45.84

33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)

33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	95.61	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	126.35	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	129.18	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	214.04	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	225.89	
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	429.69	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	243.76	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	265.96	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	594.99	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	701.92	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	279.55	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	298.93	

33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)

33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	102.25	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	126.35	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	138.21	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	196.47	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	224.47	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	341.23	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	242.35	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	264.62	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	396.93	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	483.29	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	278.68	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	292.36	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	488.00	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	540.11	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	764.08	

33 31 11 00-0261 Couplings And Plug Fittings (33 31 11)**33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)****Flexible Pipe Couplings** (33 31 11 00-0261)

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	17.29	4.87
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	18.72	5.69
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	22.37	6.50
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	25.95	6.92
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	33.92	7.32
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	41.94	8.13
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	56.92	8.95
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	73.50	9.35
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	133.45	9.76
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	188.28	10.57
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	383.25	10.98
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	447.95	11.59
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	497.75	12.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0276	EA		27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	598.95	13.02
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33 31 11 00-0277 Cast Iron Service Saddles With U Bolt (33 31 11)

33 31 11 00-0278	EA		2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	90.79	
33 31 11 00-0279	EA		3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	91.34	
33 31 11 00-0280	EA		3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	100.41	
33 31 11 00-0281	EA		4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	97.39	
33 31 11 00-0282	EA		4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	110.17	
33 31 11 00-0283	EA		4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	124.32	
33 31 11 00-0284	EA		4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	147.42	
33 31 11 00-0285	EA		6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	125.30	
33 31 11 00-0286	EA		6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	136.99	
33 31 11 00-0287	EA		6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	157.83	
33 31 11 00-0288	EA		4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	100.45	
33 31 11 00-0289	EA		4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	109.52	
33 31 11 00-0290	EA		4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	131.47	
33 31 11 00-0291	EA		4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	156.21	
33 31 11 00-0292	EA		6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	168.78	

33 32 Sanitary Sewerage Equipment (33 30)

33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)

33 32 16 00-0002	EA		2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,965.53	240.24
33 32 16 00-0003	EA		2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	1,934.83	240.24
33 32 16 00-0004	EA		Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	957.23	80.05
33 32 16 00-0005	EA		Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,527.72	80.05

33 32 16 00-0006 Submersible Grinder Pumps (33 32 16)

Note: Includes 50' of cord with pumps unless otherwise noted.					
33 32 16 00-0007	EA		3 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	5,932.91	614.49
33 32 16 00-0008	EA		5 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	7,118.88	790.05
33 32 16 00-0009	EA		2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,463.76	526.70
33 32 16 00-0010	EA		3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,291.13	614.49
33 32 16 00-0011	EA		5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	6,454.60	790.05

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks (33 34)

33 34 13 13 Concrete Septic Tanks (33 34 13)

33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)

Note: Includes external coating.					
33 34 13 13-0002	EA		1,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	2,893.45	526.70
				-561.66	
33 34 13 13-0003	EA		1,250 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	3,479.67	581.40
				-691.47	
33 34 13 13-0004	EA		1,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	4,043.18	635.99
				-815.58	
33 34 13 13-0005	EA		2,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	5,195.51	691.30
				-1,087.30	
33 34 13 13-0006	EA		2,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	6,184.80	954.65
				-1,254.19	
33 34 13 13-0007	EA		4,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	16,501.28	1,316.76
				-3,721.51	
33 34 13 13-0008	EA		5,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	30,024.98	1,975.14
				-6,902.26	
33 34 13 13-0009	EA		7,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	33,641.28	2,765.20
				-7,569.06	
33 34 13 13-0010	EA		10,000 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	41,254.09	3,308.41
				-9,304.01	
33 34 13 13-0011	EA		12,500 Gallon Precast Septic Tank <i>For Non-Traffic Rated, Deduct</i>	48,740.27	4,098.46
				-10,923.17	

33 34 13 23 Fiberglass Septic Tank (33 34 13)

33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)

33 34 13 23-0002	EA		1,000 Gallon Fiberglass Septic Tank	1,532.20	395.03
33 34 13 23-0003	EA		1,250 Gallon Fiberglass Septic Tank	1,854.46	526.70
33 34 13 23-0004	EA		1,500 Gallon Fiberglass Septic Tank	2,028.36	477.37
33 34 13 23-0005	EA		2,000 Gallon Fiberglass Septic Tank	3,158.90	516.78
33 34 13 23-0006	EA		2,500 Gallon Fiberglass Septic Tank	4,021.34	716.31
33 34 13 23-0007	EA		4,000 Gallon Fiberglass Septic Tank	6,256.07	987.57
33 34 13 23-0008	EA		5,000 Gallon Fiberglass Septic Tank	9,300.82	1,481.36
33 34 13 23-0009	EA		7,500 Gallon Fiberglass Septic Tank	12,782.69	2,073.90

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank 15,647.27 2,478.76

33 34 13 33 Polyethylene Septic Tank (33 34 13)

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	888.91	147.44
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,381.37	165.87
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,926.46	202.73
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,975.58	221.16
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,292.81	239.59
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,757.23	258.02
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,943.92	184.30
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,115.77	221.16
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,492.57	239.59
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,932.46	258.02

33 34 51 Drainage Field System (33 34)

33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)
Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	869.09	77.25
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,241.38	109.73
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,653.31	131.67
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	2,680.94	219.46
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	3,939.77	307.25

33 34 53 Distribution Chambers (33 34)**33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)**

33 34 53 13-0001 Leaching Field Chambers - Precast Concrete (33 34 53 13)

33 34 53 13-0002	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,087.12	73.38
33 34 53 13-0003	EA	Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,316.95	100.07

33 34 56 Drainage Field Dosing Chambers (33 34)

33 34 56 00-0001 Dosing Siphon (33 34 56)

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve.....	4,114.61	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	2,829.81	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	2,719.09	

33 40 Stormwater Utilities (33)**33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)

33 41 16 13-0002 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0001)
Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 41 16 13-0002)

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	4.63	4.00
		For <100, Add	0.83	
		For >1,000, Deduct	-0.43	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	5.68	4.28
		For <100, Add	0.93	
		For >1,000, Deduct	-0.50	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	6.97	4.49
		For <100, Add	1.02	
		For >1,000, Deduct	-0.57	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	9.21	4.63
		For <100, Add	1.16	
		For >1,000, Deduct	-0.69	
		For >1,000, Deduct	-0.69	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.77	5.06
		For <100, Add	1.30	
		For >1,000, Deduct	-0.79	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	14.02	5.71
		For <100, Add	1.56	
		For >1,000, Deduct	-0.99	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.43	9.42
		For <100, Add	2.53	
		For >1,000, Deduct	-1.59	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	30.66	10.35
		For <100, Add	3.09	
		For >1,000, Deduct	-2.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0012			Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-002)</small>		
33 41 16 13-0013	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.54	4.00
			<i>For <100, Add</i>	0.83	
			<i>For >1,000, Deduct</i>	-0.43	
33 41 16 13-0014	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.64	4.28
			<i>For <100, Add</i>	0.92	
			<i>For >1,000, Deduct</i>	-0.50	
33 41 16 13-0015	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	8.67	4.49
			<i>For <100, Add</i>	1.11	
			<i>For >1,000, Deduct</i>	-0.66	
33 41 16 13-0016	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.10	4.63
			<i>For <100, Add</i>	1.20	
			<i>For >1,000, Deduct</i>	-0.74	
33 41 16 13-0017	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.75	5.06
			<i>For <100, Add</i>	1.35	
			<i>For >1,000, Deduct</i>	-0.84	
33 41 16 13-0018	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.92	5.71
			<i>For <100, Add</i>	1.55	
			<i>For >1,000, Deduct</i>	-0.98	
33 41 16 13-0019	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.78	9.42
			<i>For <100, Add</i>	2.50	
			<i>For >1,000, Deduct</i>	-1.56	
33 41 16 13-0020	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.64	10.35
			<i>For <100, Add</i>	3.03	
			<i>For >1,000, Deduct</i>	-2.00	

33 41 16 13-0021			Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 16 13-0021)</small>		
			Note: Excludes couplings and gaskets.		

33 41 16 13-0022			Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023	EA		4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.25	17.90
33 41 16 13-0024	EA		6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.55	20.88
33 41 16 13-0025	EA		8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	64.43	25.36
33 41 16 13-0026	EA		10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	82.75	31.33
33 41 16 13-0027	EA		12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	123.10	37.30
33 41 16 13-0028	EA		15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	268.21	48.73
33 41 16 13-0029	EA		18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	320.51	65.63
33 41 16 13-0030	EA		24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	607.80	74.58

33 41 16 13-0031			Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032	EA		4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	34.20	17.90
33 41 16 13-0033	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	42.67	20.88
33 41 16 13-0034	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	97.10	25.36

33 41 16 13-0035			45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	22.49	11.94

33 41 16 13-0037			90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	23.49	11.94
33 41 16 13-0039	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	30.41	13.92
33 41 16 13-0040	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	45.28	16.91
33 41 16 13-0041	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	59.71	20.88

33 41 16 13-0042			Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16 13)</small>		
			Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	5.40	3.10
			<i>For <100, Add</i>	0.74	
			<i>For >1,000, Deduct</i>	-0.43	
33 41 16 13-0044	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	7.67	3.72
			<i>For <100, Add</i>	0.94	
			<i>For >1,000, Deduct</i>	-0.57	
33 41 16 13-0045	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	12.02	4.64
			<i>For <100, Add</i>	1.30	
			<i>For >1,000, Deduct</i>	-0.83	
33 41 16 13-0046	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	19.60	4.84
			<i>For <100, Add</i>	1.71	
			<i>For >1,000, Deduct</i>	-1.22	
33 41 16 13-0047	LF		12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	25.04	5.28
			<i>For <100, Add</i>	2.04	
			<i>For >1,000, Deduct</i>	-1.52	
33 41 16 13-0048	LF		15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	36.62	5.95
			<i>For <100, Add</i>	2.72	
			<i>For >1,000, Deduct</i>	-2.13	

33 41 16 13-0049			Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16 13)</small>		
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33 Utilities
33 40 Stormwater Utilities
33 41 Subdrainage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0050	LF		6" Perforated Non Reinforced Concrete Drainage Pipe.....	27.06	9.91
			<i>For Extra Strength, Add</i>	1.52	
			<i>For >1,000, Deduct</i>	-1.35	
33 41 16 13-0051	LF		8" Perforated Non Reinforced Concrete Drainage Pipe.....	31.64	11.01
			<i>For Extra Strength, Add</i>	1.87	
			<i>For >1,000, Deduct</i>	-1.58	
33 41 16 13-0052	LF		10" Perforated Non Reinforced Concrete Drainage Pipe.....	35.81	12.11
			<i>For Extra Strength, Add</i>	2.17	
			<i>For >1,000, Deduct</i>	-1.79	
33 41 16 13-0053	LF		12" Perforated Non Reinforced Concrete Drainage Pipe.....	42.07	13.21
			<i>For Extra Strength, Add</i>	2.73	
			<i>For >1,000, Deduct</i>	-2.10	
33 41 16 13-0054			Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
			Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0055	LF		6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	22.36	9.91
			<i>For >1,000, Deduct</i>	-1.12	
33 41 16 13-0056	LF		8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	24.74	11.01
			<i>For >1,000, Deduct</i>	-1.24	
33 41 16 13-0057	LF		10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	27.29	12.11
			<i>For >1,000, Deduct</i>	-1.36	
33 41 16 13-0058	LF		12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	31.17	12.58
			<i>For >1,000, Deduct</i>	-1.56	
33 41 16 13-0059	LF		15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	36.25	14.16
			<i>For >1,000, Deduct</i>	-1.81	
33 41 16 13-0060	LF		18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	44.84	18.09
			<i>For >1,000, Deduct</i>	-2.24	
33 41 16 13-0061	LF		21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	56.02	23.20
			<i>For >1,000, Deduct</i>	-2.80	
33 41 16 13-0062	LF		24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe.....	68.30	28.31
			<i>For >1,000, Deduct</i>	-3.42	
33 41 16 13-0063			Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
33 41 16 13-0064	LF		6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	20.81	9.91
			<i>For >1,000, Deduct</i>	-1.04	
33 41 16 13-0065	LF		8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	26.46	11.01
			<i>For >1,000, Deduct</i>	-1.32	
33 41 16 13-0066	LF		10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	33.51	12.11
			<i>For >1,000, Deduct</i>	-1.68	
33 41 16 13-0067	LF		12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	40.69	13.21
			<i>For >1,000, Deduct</i>	-2.03	
33 41 16 13-0068	LF		15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	46.62	14.70
			<i>For >1,000, Deduct</i>	-2.33	
33 41 16 13-0069	LF		18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe.....	60.42	18.34
			<i>For >1,000, Deduct</i>	-3.02	
33 41 16 13-0070			Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small>		
33 41 16 13-0071	LF		4" Perforated Vitrified Clay Drainage Pipe.....	22.88	11.01
33 41 16 13-0072	LF		6" Perforated Vitrified Clay Drainage Pipe.....	27.83	12.39
33 41 16 13-0073	LF		8" Perforated Vitrified Clay Drainage Pipe.....	32.90	12.39
33 41 16 13-0074	LF		10" Perforated Vitrified Clay Drainage Pipe.....	45.07	15.14
33 41 16 13-0075	LF		12" Perforated Vitrified Clay Drainage Pipe.....	54.55	16.51
33 41 16 13-0076			Geotextile Filter Fabric Sock <small>(33 41 16 13)</small>		
33 41 16 13-0077	LF		3" Geotextile Filter Fabric Sock.....	0.62	
33 41 16 13-0078	LF		4" Geotextile Filter Fabric Sock.....	0.82	
33 41 16 13-0079	LF		6" Geotextile Filter Fabric Sock.....	1.25	
33 41 16 13-0080	LF		8" Geotextile Filter Fabric Sock.....	1.68	
33 41 16 13-0081	LF		10" Geotextile Filter Fabric Sock.....	2.49	
33 41 16 13-0082	LF		12" Geotextile Filter Fabric Sock.....	3.40	
33 41 16 13-0083	LF		15" Geotextile Filter Fabric Sock.....	4.06	
33 41 16 13-0084			Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16 13)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0085	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	18.33	4.72
			<i>For Full Perforated, Add</i>	0.89	
33 41 16 13-0086	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	23.16	5.72
			<i>For Full Perforated, Add</i>	1.17	
33 41 16 13-0087	LF		10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	29.20	7.26
			<i>For Full Perforated, Add</i>	1.47	
33 41 16 13-0088	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	32.52	8.58
			<i>For Full Perforated, Add</i>	1.54	
33 41 16 13-0089	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	37.08	8.88
			<i>For Full Perforated, Add</i>	1.93	
33 41 16 13-0090	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	41.73	9.21
			<i>For Full Perforated, Add</i>	2.33	
33 41 16 13-0091	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe.....	47.62	9.93
			<i>For Full Perforated, Add</i>	2.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0092 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)
 Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0093	LF	6"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	19.76	4.72
			<i>For Full Perforated, Add</i>	1.03	
33 41 16 13-0094	LF	8"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	25.10	5.72
			<i>For Full Perforated, Add</i>	1.37	
33 41 16 13-0095	LF	10"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	31.57	7.26
			<i>For Full Perforated, Add</i>	1.71	
33 41 16 13-0096	LF	12"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	34.82	8.58
			<i>For Full Perforated, Add</i>	1.77	
33 41 16 13-0097	LF	15"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	39.93	8.88
			<i>For Full Perforated, Add</i>	2.22	
33 41 16 13-0098	LF	18"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	45.11	9.21
			<i>For Full Perforated, Add</i>	2.67	
33 41 16 13-0099	LF	21"	Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	51.55	9.93
			<i>For Full Perforated, Add</i>	3.17	

33 41 16 13-0100 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)
 Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0101	LF	6"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	20.22	4.72
			<i>For Full Perforated, Add</i>	1.08	
33 41 16 13-0102	LF	8"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	25.69	5.72
			<i>For Full Perforated, Add</i>	1.43	
33 41 16 13-0103	LF	10"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	32.33	7.26
			<i>For Full Perforated, Add</i>	1.78	
33 41 16 13-0104	LF	12"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	40.49	8.58
			<i>For Full Perforated, Add</i>	2.33	
33 41 16 13-0105	LF	15"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	46.99	8.88
			<i>For Full Perforated, Add</i>	2.92	
33 41 16 13-0106	LF	18"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	53.67	9.21
			<i>For Full Perforated, Add</i>	3.53	
33 41 16 13-0107	LF	21"	Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	61.54	9.93
			<i>For Full Perforated, Add</i>	4.17	

33 41 16 13-0108 Prefabricated Composite Drains (33 41 16 13)

33 41 16 13-0109 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0108)
 Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0110	LF	12"	Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	8.32	1.85
			<i>For External Typar Geotextile Wrap, Add</i>	1.45	
33 41 16 13-0111	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	37.09	
33 41 16 13-0112	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	37.09	
33 41 16 13-0113	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	70.77	
33 41 16 13-0114	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	70.77	
33 41 16 13-0115	LF	18"	Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	13.17	2.31
			<i>For External Typar Geotextile Wrap, Add</i>	2.18	
33 41 16 13-0116	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.38	
33 41 16 13-0117	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.38	
33 41 16 13-0118	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	92.62	
33 41 16 13-0119	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	92.62	

33 42 Stormwater Conveyance (33 40)
 Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)

33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)

33 42 11 00-0003	LF	12"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	40.53	13.21
			<i>For >1,000, Deduct</i>	-2.03	
			<i>For Class 4, Add</i>	2.06	
			<i>For Class 5, Add</i>	4.33	
33 42 11 00-0004	LF	15"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	48.74	14.70
			<i>For >1,000, Deduct</i>	-2.44	
			<i>For Class 4, Add</i>	2.64	
			<i>For Class 5, Add</i>	5.55	
33 42 11 00-0005	LF	18"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.35	18.34
			<i>For >1,000, Deduct</i>	-2.77	
			<i>For Class 4, Add</i>	2.77	
			<i>For Class 5, Add</i>	5.83	
33 42 11 00-0006	LF	21"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	70.95	23.12
			<i>For >1,000, Deduct</i>	-3.55	
			<i>For Class 4, Add</i>	3.60	
			<i>For Class 5, Add</i>	7.58	
33 42 11 00-0007	LF	24"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	83.01	28.07
			<i>For >1,000, Deduct</i>	-4.15	
			<i>For Class 4, Add</i>	4.08	
			<i>For Class 5, Add</i>	8.58	
33 42 11 00-0008	LF	27"	Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	104.91	35.53
			<i>For >1,000, Deduct</i>	-5.25	
			<i>For Class 4, Add</i>	5.14	
			<i>For Class 5, Add</i>	10.83	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	111.60 -5.58 5.56 11.71	36.69
33 42 11 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	138.39 -6.92 7.55 15.89	41.70
33 42 11 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	179.81 -8.99 10.92 22.99	45.87
33 42 11 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	215.52 -10.78 13.54 28.51	51.07
33 42 11 00-0013	LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	268.49 -13.42 17.58 37.02	58.37
33 42 11 00-0014	LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets..... <i>For >1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	324.37 -16.22 21.63 45.53	67.71
33 42 11 00-0015	HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0016	LF 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	62.64 -3.13 3.30 7.26 15.85	20.73
33 42 11 00-0017	LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	97.95 -4.90 6.31 13.89 30.30	24.38
33 42 11 00-0018	LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	135.93 -6.80 8.26 18.17 39.64	37.34
33 42 11 00-0019	LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	159.83 -7.99 9.23 20.31 44.31	47.25
33 42 11 00-0020	LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	169.69 -8.48 9.92 21.82 47.60	49.37
33 42 11 00-0021	LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	195.06 -9.75 12.06 26.53 57.88	52.13
33 42 11 00-0022	LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	220.42 -11.02 14.20 31.24 68.16	54.88
33 42 11 00-0023	LF 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	268.97 -13.45 18.27 40.19 87.69	60.40
33 42 11 00-0024	LF 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	324.33 -16.22 22.73 50.00 109.09	67.93
33 42 11 00-0025	LF 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	369.19 -18.46 25.83 56.82 123.97	77.63
33 42 11 00-0026	LF 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)..... <i>For >1,000, Deduct</i> <i>For Horizontal Elliptical - II (HE- II), Add</i> <i>For Horizontal Elliptical - III (HE- III), Add</i> <i>For Horizontal Elliptical - IV (HE- IV), Add</i>	457.53 -22.88 32.89 72.35 157.86	90.06
33 42 11 00-0027	LF 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	522.39	99.24
33 42 11 00-0028	LF 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	634.13	108.41
33 42 11 00-0029	LF 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	757.91	122.58
33 42 11 00-0030	LF 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	820.29	135.92
33 42 11 00-0031	LF 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,052.23	142.59
33 42 11 00-0032	LF 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,220.34	149.26

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0033	Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0034	EA 12" Concrete Reducing Wye Without Gaskets	499.89	50.33
33 42 11 00-0035	EA 15" Concrete Reducing Wye Without Gaskets	599.40	61.34
33 42 11 00-0036	EA 18" Concrete Reducing Wye Without Gaskets	741.16	67.63
33 42 11 00-0037	EA 21" Concrete Reducing Wye Without Gaskets	850.25	83.36
33 42 11 00-0038	EA 24" Concrete Reducing Wye Without Gaskets	960.57	100.66

33 42 11 00-0039	Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0040	EA 12" Diameter Concrete Pipe Joint Gasket	4.80	
33 42 11 00-0041	EA 15" Diameter Concrete Pipe Joint Gasket	5.68	
33 42 11 00-0042	EA 18" Diameter Concrete Pipe Joint Gasket	6.58	
33 42 11 00-0043	EA 21" Diameter Concrete Pipe Joint Gasket	7.96	
33 42 11 00-0044	EA 24" Diameter Concrete Pipe Joint Gasket	9.32	
33 42 11 00-0045	EA 27" Diameter Concrete Pipe Joint Gasket	10.39	
33 42 11 00-0046	EA 30" Diameter Concrete Pipe Joint Gasket	11.41	
33 42 11 00-0047	EA 36" Diameter Concrete Pipe Joint Gasket	13.94	
33 42 11 00-0048	EA 42" Diameter Concrete Pipe Joint Gasket	16.17	
33 42 11 00-0049	EA 48" Diameter Concrete Pipe Joint Gasket	18.64	
33 42 11 00-0050	EA 54" Diameter Concrete Pipe Joint Gasket	22.85	
33 42 11 00-0051	EA 60" Diameter Concrete Pipe Joint Gasket	33.83	

33 42 11 00-0052 **Prestressed Concrete Cylinder Piping** (33 42 11)

33 42 11 00-0053 **150 PSI Prestressed Concrete Cylinder Pipe And Fittings** (33 42 11 00-0052)

33 42 11 00-0054 **150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** (33 42 11 00-0053)

Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".

33 42 11 00-0055	LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	112.19	13.21
	For >1,000, Deduct	-5.61	
	For 100 PSI, Deduct	-23.33	
33 42 11 00-0056	LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	119.72	14.70
	For >1,000, Deduct	-5.99	
	For 100 PSI, Deduct	-24.68	
33 42 11 00-0057	LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	130.30	18.34
	For >1,000, Deduct	-6.52	
	For 100 PSI, Deduct	-26.03	
33 42 11 00-0058	LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	142.55	23.12
	For >1,000, Deduct	-7.13	
	For 100 PSI, Deduct	-27.38	
33 42 11 00-0059	LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	155.04	28.07
	For >1,000, Deduct	-7.75	
	For 100 PSI, Deduct	-28.73	
33 42 11 00-0060	LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	181.71	36.69
	For >1,000, Deduct	-9.09	
	For 100 PSI, Deduct	-32.17	
33 42 11 00-0061	LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	201.39	41.70
	For >1,000, Deduct	-10.07	
	For 100 PSI, Deduct	-35.61	
33 42 11 00-0062	LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	233.83	45.87
	For >1,000, Deduct	-11.69	
	For 100 PSI, Deduct	-42.24	
33 42 11 00-0063	LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	268.44	51.07
	For >1,000, Deduct	-13.42	
	For 100 PSI, Deduct	-48.87	
33 42 11 00-0064	LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	356.43	66.59
	For >1,000, Deduct	-17.82	
	For 100 PSI, Deduct	-65.32	
33 42 11 00-0065	LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	429.61	77.25
	For >1,000, Deduct	-21.48	
	For 100 PSI, Deduct	-79.81	

33 42 11 00-0066 **150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets** (33 42 11 00-0053)

33 42 11 00-0067	EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	372.96	123.86
33 42 11 00-0068	EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	515.97	176.94
33 42 11 00-0069	EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	663.39	235.92
33 42 11 00-0070	EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	810.82	294.91
33 42 11 00-0071	EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	984.19	366.47
33 42 11 00-0072	EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,260.76	491.51
33 42 11 00-0073	EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,560.11	583.71
33 42 11 00-0074	EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,816.86	681.28
33 42 11 00-0075	EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,045.26	778.02
33 42 11 00-0076	EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,515.73	971.48
33 42 11 00-0077	EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,320.77	1,331.97

33 42 11 00-0078 **150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets** (33 42 11 00-0053)

33 42 11 00-0079	EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	347.91	123.86
33 42 11 00-0080	EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	483.55	176.94
33 42 11 00-0081	EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	625.09	235.92
33 42 11 00-0082	EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	766.62	294.91
33 42 11 00-0083	EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	934.10	366.47
33 42 11 00-0084	EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,192.00	458.48

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0085	EA		36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,481.53	583.71
33 42 11 00-0086	EA		42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,726.00	681.28
33 42 11 00-0087	EA		48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,947.53	778.02
33 42 11 00-0088	EA		54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,376.15	971.48
33 42 11 00-0089	EA		60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,188.48	1,331.97
33 42 11 00-0090			400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0092)		
33 42 11 00-0091			400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0090)		
			Note: AWWA C301		
33 42 11 00-0092	LF		30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	214.01	36.69
			For >1,000, Deduct	-10.70	
33 42 11 00-0093	LF		36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	261.04	41.70
			For >1,000, Deduct	-13.05	
33 42 11 00-0094	LF		42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	304.64	45.87
			For >1,000, Deduct	-15.23	
33 42 11 00-0095			400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0090)		
			Note: AWWA C301		
33 42 11 00-0096	LF		48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	410.67	51.04
			For >1,000, Deduct	-20.53	
33 42 11 00-0097	LF		54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	492.94	66.59
			For >1,000, Deduct	-24.65	
33 42 11 00-0098	LF		60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	568.27	77.25
			For >1,000, Deduct	-28.41	
33 42 11 00-0099			Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0090)		
			Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0100	EA		30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,501.43	
33 42 11 00-0101	EA		36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,612.65	
33 42 11 00-0102	EA		42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,668.26	
33 42 11 00-0103	EA		48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,890.69	
33 42 11 00-0104	EA		54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,946.30	
33 42 11 00-0105	EA		60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,057.52	
33 42 11 00-0106			Quick Test Joints (33 42 11 00-0090)		
33 42 11 00-0107	EA		30" Quick Test Joint.....	432.91	
33 42 11 00-0108	EA		36" Quick Test Joint.....	437.08	
33 42 11 00-0109	EA		42" Quick Test Joint.....	441.25	
33 42 11 00-0110	EA		48" Quick Test Joint.....	450.46	
33 42 11 00-0111	EA		54" Quick Test Joint.....	473.10	
33 42 11 00-0112	EA		60" Quick Test Joint.....	491.01	
33 42 11 00-0113			Harnessed Joints (33 42 11 00-0090)		
33 42 11 00-0114			Harness Clamp Restrained Joints (33 42 11 00-0113)		
33 42 11 00-0115	EA		30" Harness Clamp Restrained Joint.....	2,850.95	
33 42 11 00-0116	EA		36" Harness Clamp Restrained Joint.....	2,962.20	
33 42 11 00-0117	EA		42" Harness Clamp Restrained Joint.....	3,073.46	
33 42 11 00-0118	EA		48" Harness Clamp Restrained Joint.....	3,184.71	
33 42 11 00-0119	EA		54" Harness Clamp Restrained Joint.....	3,307.72	
33 42 11 00-0120	EA		60" Harness Clamp Restrained Joint.....	3,477.86	
33 42 11 00-0121			Snap Ring Restrained Joints (33 42 11 00-0113)		
33 42 11 00-0122	EA		30" Snap Ring Restrained Joint.....	495.05	
33 42 11 00-0123	EA		36" Snap Ring Restrained Joint.....	563.48	
33 42 11 00-0124	EA		42" Snap Ring Restrained Joint.....	749.69	
33 42 11 00-0125	EA		48" Snap Ring Restrained Joint.....	850.24	
33 42 11 00-0126	EA		54" Snap Ring Restrained Joint.....	962.54	
33 42 11 00-0127	EA		60" Snap Ring Restrained Joint.....	1,089.84	
33 42 11 00-0128			Pipe Repairs (33 42 11 00-0090)		
			Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0129			Lined Cylinder Pipe Repair (33 42 11 00-0128)		
33 42 11 00-0130	EA		30" Lined Cylinder Pipe Repair.....	5,697.78	
33 42 11 00-0131	EA		36" Lined Cylinder Pipe Repair.....	7,070.36	
33 42 11 00-0132	EA		42" Lined Cylinder Pipe Repair.....	8,179.68	
33 42 11 00-0133			Embedded Cylinder Pipe Repair (33 42 11 00-0128)		
			Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0134	EA		48" Embedded Cylinder Pipe Repair.....	12,253.90	
33 42 11 00-0135	EA		54" Embedded Cylinder Pipe Repair.....	14,240.62	
33 42 11 00-0136	EA		60" Embedded Cylinder Pipe Repair.....	16,241.22	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0137	High Density Polyethylene (HDPE) Drainage Piping <small>(33 42 11)</small>		
33 42 11 00-0138	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0137)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0139	Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0138)</small>		
33 42 11 00-0140	LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	12.15 2.23 -1.16	5.57
33 42 11 00-0141	LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	15.54 2.59 -1.42	6.47
33 42 11 00-0142	LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.93 3.01 -1.70	7.52
33 42 11 00-0143	LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	21.19 3.11 -1.84	7.79
33 42 11 00-0144	LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.22 3.22 -1.92	8.06
33 42 11 00-0145	LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	24.88 3.34 -2.08	8.35
33 42 11 00-0146	LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	29.51 3.46 -2.34	8.65
33 42 11 00-0147	LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	39.72 4.06 -3.00	10.14
33 42 11 00-0148	LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	56.00 5.46 -4.16	13.64
33 42 11 00-0149	LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	73.31 6.90 -5.39	17.25
33 42 11 00-0150	Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0138)</small>		
33 42 11 00-0151	LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.11 3.22 -1.91	8.06
33 42 11 00-0152	LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	25.31 3.34 -2.10	8.35
33 42 11 00-0153	LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	30.16 3.46 -2.37	8.65
33 42 11 00-0154	LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	40.74 4.06 -3.05	10.14
33 42 11 00-0155	LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	58.80 5.46 -4.30	13.64
33 42 11 00-0156	LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	75.39 6.90 -5.49	17.25
33 42 11 00-0157	LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	96.66 7.52 -6.71	18.81
33 42 11 00-0158	LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	105.72 8.49 -7.41	21.23
33 42 11 00-0159	Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0137)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0160	Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0159)</small>		
33 42 11 00-0161	LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	12.69 2.23 -1.19	5.57
33 42 11 00-0162	LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	15.56 2.59 -1.43	6.47
33 42 11 00-0163	LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.93 3.01 -1.70	7.52
33 42 11 00-0164	LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	21.21 3.11 -1.84	7.79

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0165	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.22	8.06
			<i>For <100, Add</i>	3.22	
			<i>For >1,000, Deduct</i>	-1.92	
33 42 11 00-0166	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	24.90	8.35
			<i>For <100, Add</i>	3.34	
			<i>For >1,000, Deduct</i>	-2.08	
33 42 11 00-0167	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.53	8.65
			<i>For <100, Add</i>	3.46	
			<i>For >1,000, Deduct</i>	-2.34	
33 42 11 00-0168	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.72	10.14
			<i>For <100, Add</i>	4.06	
			<i>For >1,000, Deduct</i>	-3.00	
33 42 11 00-0169	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	56.18	13.64
			<i>For <100, Add</i>	5.46	
			<i>For >1,000, Deduct</i>	-4.17	
33 42 11 00-0170	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	73.31	17.25
			<i>For <100, Add</i>	6.90	
			<i>For >1,000, Deduct</i>	-5.39	
33 42 11 00-0171			Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0159)</small>		
33 42 11 00-0172	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.13	8.06
			<i>For <100, Add</i>	3.22	
			<i>For >1,000, Deduct</i>	-1.91	
33 42 11 00-0173	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.33	8.35
			<i>For <100, Add</i>	3.34	
			<i>For >1,000, Deduct</i>	-2.10	
33 42 11 00-0174	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	30.18	8.65
			<i>For <100, Add</i>	3.46	
			<i>For >1,000, Deduct</i>	-2.37	
33 42 11 00-0175	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	40.74	10.14
			<i>For <100, Add</i>	4.06	
			<i>For >1,000, Deduct</i>	-3.05	
33 42 11 00-0176	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	58.80	13.64
			<i>For <100, Add</i>	5.46	
			<i>For >1,000, Deduct</i>	-4.30	
33 42 11 00-0177	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.39	17.25
			<i>For <100, Add</i>	6.90	
			<i>For >1,000, Deduct</i>	-5.49	
33 42 11 00-0178	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	96.66	18.81
			<i>For <100, Add</i>	7.52	
			<i>For >1,000, Deduct</i>	-6.71	
33 42 11 00-0179	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	105.72	21.23
			<i>For <100, Add</i>	8.49	
			<i>For >1,000, Deduct</i>	-7.41	
33 42 11 00-0180			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0137)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0181			Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0180)</small>		
33 42 11 00-0182	EA		4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	48.78	17.90
33 42 11 00-0183	EA		6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	61.36	20.88
33 42 11 00-0184	EA		8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	99.45	25.36
33 42 11 00-0185	EA		10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	152.02	31.33
33 42 11 00-0186	EA		12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	240.40	37.30
33 42 11 00-0187	EA		15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	339.48	48.73
33 42 11 00-0188	EA		18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	488.40	65.63
33 42 11 00-0189	EA		24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	626.38	74.92
33 42 11 00-0190	EA		30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,096.41	86.52
33 42 11 00-0191	EA		36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,408.64	99.94
33 42 11 00-0192	EA		42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,347.14	119.33
33 42 11 00-0193	EA		48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,946.41	141.72
33 42 11 00-0194			Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0180)</small>		
33 42 11 00-0195	EA		4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	71.86	17.90
33 42 11 00-0196	EA		6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	86.68	20.88
33 42 11 00-0197	EA		8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	115.43	25.36
33 42 11 00-0198	EA		10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	169.65	31.33
33 42 11 00-0199	EA		12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	297.10	37.30
33 42 11 00-0200	EA		15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	322.08	48.73
33 42 11 00-0201	EA		18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	454.57	65.63

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0202	22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0180)</small>		
33 42 11 00-0203	EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.62	11.94
33 42 11 00-0204	EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	36.59	13.92
33 42 11 00-0205	EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	53.50	16.91
33 42 11 00-0206	EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	67.35	20.88
33 42 11 00-0207	EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	97.90	24.86
33 42 11 00-0208	EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	154.95	31.82
33 42 11 00-0209	EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	205.30	43.76
33 42 11 00-0210	EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	390.83	49.72
33 42 11 00-0211	EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	543.46	57.68
33 42 11 00-0212	EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	636.89	66.63
33 42 11 00-0213	EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	814.13	79.56
33 42 11 00-0214	EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,101.07	94.47

33 42 11 00-0215	45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0180)</small>		
33 42 11 00-0216	EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	32.15	11.94
33 42 11 00-0217	EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	41.85	13.92
33 42 11 00-0218	EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	56.18	16.91
33 42 11 00-0219	EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	89.19	20.88
33 42 11 00-0220	EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	97.90	24.86
33 42 11 00-0221	EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	154.51	31.82
33 42 11 00-0222	EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	240.53	43.76
33 42 11 00-0223	EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	418.05	49.72
33 42 11 00-0224	EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	544.75	57.68
33 42 11 00-0225	EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	695.55	66.63
33 42 11 00-0226	EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,040.53	79.56
33 42 11 00-0227	EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,303.99	94.47

33 42 11 00-0228 **Couplings And End Caps, Corrugated High Density Polyethylene (HDPE)**
Pipe Fittings (33 42 11 00-0137)
 Note: For single and double wall high density polyethylene (HDPE) piping.

33 42 11 00-0229	Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0228)</small>		
33 42 11 00-0230	EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.50	
33 42 11 00-0231	EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.70	
33 42 11 00-0232	EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	4.16	
33 42 11 00-0233	EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.11	
33 42 11 00-0234	EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.50	
33 42 11 00-0235	EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.83	
33 42 11 00-0236	EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.59	
33 42 11 00-0237	EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	18.45	
33 42 11 00-0238	EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	28.32	
33 42 11 00-0239	EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	37.06	
33 42 11 00-0240	EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	58.26	
33 42 11 00-0241	EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	78.79	

33 42 11 00-0242	Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0228)</small>		
33 42 11 00-0243	EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	79.78	
33 42 11 00-0244	EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	83.53	
33 42 11 00-0245	EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	87.46	
33 42 11 00-0246	EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	91.57	
33 42 11 00-0247	EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	108.61	
33 42 11 00-0248	EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	112.14	
33 42 11 00-0249	EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	116.96	
33 42 11 00-0250	EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.23	
33 42 11 00-0251	EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	213.57	
33 42 11 00-0252	EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	233.93	
33 42 11 00-0253	EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	254.88	
33 42 11 00-0254	EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	309.56	

33 42 11 00-0255	End Caps, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0228)</small>		
33 42 11 00-0256	EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	25.27	
33 42 11 00-0257	EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	29.44	
33 42 11 00-0258	EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	46.36	
33 42 11 00-0259	EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	77.31	
33 42 11 00-0260	EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	89.70	
33 42 11 00-0261	EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	120.49	
33 42 11 00-0262	EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	125.19	

33 42 11 00-0263	Vitrified Clay Piping <small>(33 42 11)</small>		
33 42 11 00-0264	Extra Strength Vitrified Clay Piping <small>(33 42 11 00-0263)</small>		
33 42 11 00-0265	Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0264)</small>		

Note: ASTM C700.

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0266	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	18.80	
		<i>For 3' Lengths, Add</i>	2.16	
		<i>For 2' Lengths, Add</i>	2.88	
		<i>For Standard Strength, Deduct</i>	-0.72	
		<i>For >1,000, Deduct</i>	-0.94	
33 42 11 00-0267	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	30.95	
		<i>For 3' Lengths, Add</i>	3.36	
		<i>For 2' Lengths, Add</i>	4.48	
		<i>For Standard Strength, Deduct</i>	-1.12	
		<i>For >1,000, Deduct</i>	-1.55	
33 42 11 00-0268	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	37.94	
		<i>For 3' Lengths, Add</i>	4.80	
		<i>For 2' Lengths, Add</i>	6.40	
		<i>For Standard Strength, Deduct</i>	-1.60	
		<i>For >1,000, Deduct</i>	-1.90	
33 42 11 00-0269	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	47.20	
		<i>For 3' Lengths, Add</i>	7.35	
		<i>For 2' Lengths, Add</i>	9.80	
		<i>For Standard Strength, Deduct</i>	-2.45	
		<i>For >1,000, Deduct</i>	-2.36	
33 42 11 00-0270	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	59.36	
		<i>For 3' Lengths, Add</i>	10.38	
		<i>For 2' Lengths, Add</i>	13.84	
		<i>For Standard Strength, Deduct</i>	-3.46	
		<i>For >1,000, Deduct</i>	-2.97	
33 42 11 00-0271	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	92.43	
		<i>For 3' Lengths, Add</i>	19.47	
		<i>For 2' Lengths, Add</i>	25.96	
		<i>For Standard Strength, Deduct</i>	-6.49	
		<i>For >1,000, Deduct</i>	-4.62	
33 42 11 00-0272	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	127.35	
		<i>For 3' Lengths, Add</i>	27.90	
		<i>For 2' Lengths, Add</i>	37.20	
		<i>For Standard Strength, Deduct</i>	-9.30	
		<i>For >1,000, Deduct</i>	-6.37	
33 42 11 00-0273	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	192.31	
		<i>For 3' Lengths, Add</i>	44.70	
		<i>For 2' Lengths, Add</i>	59.60	
		<i>For Standard Strength, Deduct</i>	-14.90	
		<i>For >1,000, Deduct</i>	-9.62	
33 42 11 00-0274	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	247.25	
		<i>For 3' Lengths, Add</i>	58.40	
		<i>For 2' Lengths, Add</i>	77.86	
		<i>For Standard Strength, Deduct</i>	-19.47	
		<i>For >1,000, Deduct</i>	-12.36	
33 42 11 00-0275	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	306.58	
		<i>For 3' Lengths, Add</i>	72.82	
		<i>For 2' Lengths, Add</i>	97.09	
		<i>For Standard Strength, Deduct</i>	-24.27	
		<i>For >1,000, Deduct</i>	-15.33	
33 42 11 00-0276	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	370.74	
		<i>For 3' Lengths, Add</i>	87.96	
		<i>For 2' Lengths, Add</i>	117.28	
		<i>For Standard Strength, Deduct</i>	-29.32	
		<i>For >1,000, Deduct</i>	-18.54	
33 42 11 00-0277		Compression Joint, Extra Strength, Vitrified Clay Piping		
		Note: ASTM C425.		
33 42 11 00-0278	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	26.06	
		<i>For 3' Lengths, Add</i>	2.55	
		<i>For 2' Lengths, Add</i>	3.40	
		<i>For Standard Strength, Deduct</i>	-0.85	
		<i>For >1,000, Deduct</i>	-1.30	
33 42 11 00-0279	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	33.64	
		<i>For 3' Lengths, Add</i>	4.17	
		<i>For 2' Lengths, Add</i>	5.56	
		<i>For Standard Strength, Deduct</i>	-1.39	
		<i>For >1,000, Deduct</i>	-1.68	
33 42 11 00-0280	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	41.54	
		<i>For 3' Lengths, Add</i>	5.88	
		<i>For 2' Lengths, Add</i>	7.84	
		<i>For Standard Strength, Deduct</i>	-1.96	
		<i>For >1,000, Deduct</i>	-2.08	
33 42 11 00-0281	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	54.89	
		<i>For 3' Lengths, Add</i>	9.66	
		<i>For 2' Lengths, Add</i>	12.88	
		<i>For Standard Strength, Deduct</i>	-3.22	
		<i>For >1,000, Deduct</i>	-2.74	
33 42 11 00-0282	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	67.05	
		<i>For 3' Lengths, Add</i>	12.69	
		<i>For 2' Lengths, Add</i>	16.92	
		<i>For Standard Strength, Deduct</i>	-4.23	
		<i>For >1,000, Deduct</i>	-3.35	
33 42 11 00-0283	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	104.68	
		<i>For 3' Lengths, Add</i>	23.14	
		<i>For 2' Lengths, Add</i>	30.86	
		<i>For Standard Strength, Deduct</i>	-7.71	
		<i>For >1,000, Deduct</i>	-5.23	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

33 42 11 00-0284	LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	147.30
	For 3' Lengths, Add	33.89
	For 2' Lengths, Add	45.18
	For Standard Strength, Deduct	-11.30
	For >1,000, Deduct	-7.37
33 42 11 00-0285	LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	215.14
	For 3' Lengths, Add	51.55
	For 2' Lengths, Add	68.73
	For Standard Strength, Deduct	-17.18
	For >1,000, Deduct	-10.76
33 42 11 00-0286	LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	283.30
	For 3' Lengths, Add	69.21
	For 2' Lengths, Add	92.28
	For Standard Strength, Deduct	-23.07
	For >1,000, Deduct	-14.17
33 42 11 00-0287	LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	465.19
	For 3' Lengths, Add	120.40
	For 2' Lengths, Add	160.53
	For Standard Strength, Deduct	-40.13
	For >1,000, Deduct	-23.26
33 42 11 00-0288	LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	668.74
	For 3' Lengths, Add	177.36
	For 2' Lengths, Add	236.48
	For Standard Strength, Deduct	-59.12
	For >1,000, Deduct	-33.44
33 42 11 00-0289	Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0263)	
33 42 11 00-0290	1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0289)	
33 42 11 00-0291	Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0290)	
33 42 11 00-0292	EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	86.21
33 42 11 00-0293	EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	119.20
33 42 11 00-0294	EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	176.36
33 42 11 00-0295	EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	249.78
33 42 11 00-0296	EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	335.79
33 42 11 00-0297	EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	844.72
33 42 11 00-0298	EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,197.49
33 42 11 00-0299	EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,882.32
33 42 11 00-0300	EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,168.94
33 42 11 00-0301	EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,512.53
33 42 11 00-0302	EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,803.81
33 42 11 00-0303	Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0290)	
33 42 11 00-0304	EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	96.12
33 42 11 00-0305	EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	141.67
33 42 11 00-0306	EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	197.04
33 42 11 00-0307	EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	271.80
33 42 11 00-0308	EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	350.07
33 42 11 00-0309	EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	944.69
33 42 11 00-0310	EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,383.61
33 42 11 00-0311	EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,409.45
33 42 11 00-0312	EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,783.33
33 42 11 00-0313	EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	3,088.39
33 42 11 00-0314	EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,626.15
33 42 11 00-0315	1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0289)	
33 42 11 00-0316	Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0315)	
33 42 11 00-0317	EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	97.79
33 42 11 00-0318	EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	133.16
33 42 11 00-0319	EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	192.68
33 42 11 00-0320	EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	267.35
33 42 11 00-0321	EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	355.60
33 42 11 00-0322	EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	866.74
33 42 11 00-0323	EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,224.97
33 42 11 00-0324	EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,916.96
33 42 11 00-0325	EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,211.01
33 42 11 00-0326	EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,565.00
33 42 11 00-0327	EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,862.13
33 42 11 00-0328	Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0315)	
33 42 11 00-0329	EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	110.02
33 42 11 00-0330	EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	158.41
33 42 11 00-0331	EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	216.62
33 42 11 00-0332	EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	292.89
33 42 11 00-0333	EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	373.83
33 42 11 00-0334	EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	971.12
33 42 11 00-0335	EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,416.57
33 42 11 00-0336	EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,798.19
33 42 11 00-0337	EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,833.82
33 42 11 00-0338	EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	3,151.36
33 42 11 00-0339	EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,696.14

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0340	Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0289)		
33 42 11 00-0341	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0340)		
33 42 11 00-0342	EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	103.65	
33 42 11 00-0343	EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	138.48	
33 42 11 00-0344	EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	195.35	
33 42 11 00-0345	EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	267.95	
33 42 11 00-0346	EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	345.45	
33 42 11 00-0347	EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	863.73	
33 42 11 00-0348	EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,217.99	
33 42 11 00-0349	EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,773.77	
33 42 11 00-0350	EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,485.37	
33 42 11 00-0351	EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,608.44	
33 42 11 00-0352	EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,798.93	
33 42 11 00-0353	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0340)		
33 42 11 00-0354	EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	127.31	
33 42 11 00-0355	EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	180.87	
33 42 11 00-0356	EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	244.86	
33 42 11 00-0357	EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	327.01	
33 42 11 00-0358	EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	415.02	
33 42 11 00-0359	EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,051.64	
33 42 11 00-0360	EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,529.83	
33 42 11 00-0361	EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,291.60	
33 42 11 00-0362	EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,048.80	
33 42 11 00-0363	EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,514.02	
33 42 11 00-0364	EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	5,042.14	
33 42 11 00-0365	Corrugated Metal Piping (33 42 11)		
33 42 11 00-0366	Galvanized Corrugated Steel Piping (33 42 11 00-0365)		
33 42 11 00-0367	2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0366)		
33 42 11 00-0368	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0367)		
33 42 11 00-0369	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	29.20	8.26
	For Bituminous Coated Pipe, Add	2.92	
	For Bituminous Coated And 25% Paved, Add	5.96	
	For Smooth-Flo, Add	10.65	
33 42 11 00-0370	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	32.94	8.65
	For Bituminous Coated Pipe, Add	3.67	
	For Bituminous Coated And 25% Paved, Add	7.51	
	For Smooth-Flo, Add	13.41	
33 42 11 00-0371	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.79	9.44
	For Bituminous Coated Pipe, Add	4.45	
	For Bituminous Coated And 25% Paved, Add	9.10	
	For Smooth-Flo, Add	16.25	
33 42 11 00-0372	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	41.86	10.22
	For Bituminous Coated Pipe, Add	5.32	
	For Bituminous Coated And 25% Paved, Add	10.89	
	For Smooth-Flo, Add	19.44	
33 42 11 00-0373	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	46.31	11.01
	For Bituminous Coated Pipe, Add	5.99	
	For Bituminous Coated And 25% Paved, Add	12.25	
	For Smooth-Flo, Add	21.87	
33 42 11 00-0374	LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	61.14	14.16
	For Bituminous Coated Pipe, Add	7.77	
	For Bituminous Coated And 25% Paved, Add	15.89	
	For Smooth-Flo, Add	28.38	
33 42 11 00-0375	LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	79.40	18.35
	For Bituminous Coated Pipe, Add	9.80	
	For Bituminous Coated And 25% Paved, Add	20.04	
	For Smooth-Flo, Add	35.79	
33 42 11 00-0376	LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	90.36	21.68
	For Bituminous Coated Pipe, Add	11.59	
	For Bituminous Coated And 25% Paved, Add	23.72	
	For Smooth-Flo, Add	42.35	
33 42 11 00-0377	LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	101.56	25.02
	For Bituminous Coated Pipe, Add	12.99	
	For Bituminous Coated And 25% Paved, Add	26.57	
	For Smooth-Flo, Add	47.44	
33 42 11 00-0378	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0367)		
33 42 11 00-0379	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.81	8.26
	For Bituminous Coated Pipe, Add	2.96	
	For Bituminous Coated And 25% Paved, Add	6.86	
	For Smooth-Flo, Add	13.87	
33 42 11 00-0380	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	36.15	8.65
	For Bituminous Coated Pipe, Add	3.71	
	For Bituminous Coated And 25% Paved, Add	8.60	
	For Smooth-Flo, Add	17.39	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0381	LF			18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.67 4.50 10.42 21.06	9.44
33 42 11 00-0382	LF			21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	46.34 5.35 12.39 25.04	10.22
33 42 11 00-0383	LF			24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	51.52 6.05 14.02 28.33	11.01
33 42 11 00-0384	LF			30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	67.50 7.77 18.00 36.38	14.16
33 42 11 00-0385	LF			36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	87.13 9.74 22.57 45.62	18.35
33 42 11 00-0386	LF			42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	99.21 11.47 26.56 53.69	21.68
33 42 11 00-0387	LF			48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.67 12.88 29.85 60.34	25.02
33 42 11 00-0388	LF			54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	133.38 15.84 36.71 74.20	28.35
33 42 11 00-0389				12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0367)}</small>		
33 42 11 00-0390	LF			18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	48.70 5.15 9.30 17.87	9.44
33 42 11 00-0391	LF			21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	55.67 6.09 10.99 21.12	10.22
33 42 11 00-0392	LF			24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	62.15 6.90 12.46 23.94	10.22
33 42 11 00-0393	LF			30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.65 8.77 15.84 30.45	14.16
33 42 11 00-0394	LF			36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	102.72 10.85 19.59 37.65	18.35
33 42 11 00-0395	LF			42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	117.23 12.71 22.96 44.12	21.68
33 42 11 00-0396	LF			48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	132.33 14.35 25.92 49.82	25.02
33 42 11 00-0397	LF			54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.19 17.21 31.08 59.74	28.35
33 42 11 00-0398	LF			60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	170.75 18.85 34.04 65.42	30.02
33 42 11 00-0399				10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0367)}</small>		
33 42 11 00-0400	LF			36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	117.32 13.80 23.05 32.89	18.35
33 42 11 00-0401	LF			42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	134.31 16.17 27.01 38.54	21.68
33 42 11 00-0402	LF			48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	151.71 18.27 30.52 43.55	25.02

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0403	LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	177.90	28.35
	<i>For Bituminous Coated Pipe, Add</i>	21.64	
	<i>For Bituminous Coated And 25% Paved, Add</i>	36.15	
	<i>For Smooth-Flo, Add</i>	51.58	
33 42 11 00-0404	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	194.92	30.02
	<i>For Bituminous Coated Pipe, Add</i>	23.77	
	<i>For Bituminous Coated And 25% Paved, Add</i>	39.70	
	<i>For Smooth-Flo, Add</i>	56.65	
33 42 11 00-0405	LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	233.39	36.69
	<i>For Bituminous Coated Pipe, Add</i>	28.43	
	<i>For Bituminous Coated And 25% Paved, Add</i>	47.50	
	<i>For Smooth-Flo, Add</i>	67.77	
33 42 11 00-0406	3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0366)</small>		
33 42 11 00-0407	16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0406)</small>		
33 42 11 00-0408	LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	92.79	18.35
	<i>For Bituminous Coated Pipe, Add</i>	10.78	
	<i>For Bituminous Coated And 25% Paved, Add</i>	24.46	
	<i>For Smooth-Flo, Add</i>	48.71	
33 42 11 00-0409	LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	105.72	21.68
	<i>For Bituminous Coated Pipe, Add</i>	12.65	
	<i>For Bituminous Coated And 25% Paved, Add</i>	28.72	
	<i>For Smooth-Flo, Add</i>	57.20	
33 42 11 00-0410	LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	118.85	25.02
	<i>For Bituminous Coated Pipe, Add</i>	14.19	
	<i>For Bituminous Coated And 25% Paved, Add</i>	32.22	
	<i>For Smooth-Flo, Add</i>	64.15	
33 42 11 00-0411	LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	141.62	28.35
	<i>For Bituminous Coated Pipe, Add</i>	17.34	
	<i>For Bituminous Coated And 25% Paved, Add</i>	39.35	
	<i>For Smooth-Flo, Add</i>	78.36	
33 42 11 00-0412	LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	154.30	30.02
	<i>For Bituminous Coated Pipe, Add</i>	18.89	
	<i>For Bituminous Coated And 25% Paved, Add</i>	42.87	
	<i>For Smooth-Flo, Add</i>	85.36	
33 42 11 00-0413	LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	193.14	36.69
	<i>For Bituminous Coated Pipe, Add</i>	24.26	
	<i>For Bituminous Coated And 25% Paved, Add</i>	55.07	
	<i>For Smooth-Flo, Add</i>	109.66	
33 42 11 00-0414	LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	235.42	53.37
	<i>For Bituminous Coated Pipe, Add</i>	25.86	
	<i>For Bituminous Coated And 25% Paved, Add</i>	58.70	
	<i>For Smooth-Flo, Add</i>	116.88	
33 42 11 00-0415	LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	254.06	58.37
	<i>For Bituminous Coated Pipe, Add</i>	27.46	
	<i>For Bituminous Coated And 25% Paved, Add</i>	62.34	
	<i>For Smooth-Flo, Add</i>	124.14	
33 42 11 00-0416	LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	270.42	62.54
	<i>For Bituminous Coated Pipe, Add</i>	29.07	
	<i>For Bituminous Coated And 25% Paved, Add</i>	65.98	
	<i>For Smooth-Flo, Add</i>	131.39	
33 42 11 00-0417	LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	286.82	66.71
	<i>For Bituminous Coated Pipe, Add</i>	30.68	
	<i>For Bituminous Coated And 25% Paved, Add</i>	69.64	
	<i>For Smooth-Flo, Add</i>	138.67	
33 42 11 00-0418	LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	303.77	70.88
	<i>For Bituminous Coated Pipe, Add</i>	32.28	
	<i>For Bituminous Coated And 25% Paved, Add</i>	73.27	
	<i>For Smooth-Flo, Add</i>	145.90	
33 42 11 00-0419	LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	323.09	75.05
	<i>For Bituminous Coated Pipe, Add</i>	33.90	
	<i>For Bituminous Coated And 25% Paved, Add</i>	76.94	
	<i>For Smooth-Flo, Add</i>	153.21	
33 42 11 00-0420	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0406)</small>		
33 42 11 00-0421	LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	155.28	28.35
	<i>For Bituminous Coated Pipe, Add</i>	20.07	
	<i>For Bituminous Coated And 25% Paved, Add</i>	39.33	
	<i>For Smooth-Flo, Add</i>	79.47	
33 42 11 00-0422	LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	169.41	30.02
	<i>For Bituminous Coated Pipe, Add</i>	21.91	
	<i>For Bituminous Coated And 25% Paved, Add</i>	42.94	
	<i>For Smooth-Flo, Add</i>	86.76	
33 42 11 00-0423	LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	209.76	36.69
	<i>For Bituminous Coated Pipe, Add</i>	27.58	
	<i>For Bituminous Coated And 25% Paved, Add</i>	54.06	
	<i>For Smooth-Flo, Add</i>	109.23	
33 42 11 00-0424	LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	253.53	53.37
	<i>For Bituminous Coated Pipe, Add</i>	29.48	
	<i>For Bituminous Coated And 25% Paved, Add</i>	57.78	
	<i>For Smooth-Flo, Add</i>	116.74	
33 42 11 00-0425	LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	273.62	58.37
	<i>For Bituminous Coated Pipe, Add</i>	31.38	
	<i>For Bituminous Coated And 25% Paved, Add</i>	61.50	
	<i>For Smooth-Flo, Add</i>	124.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0426	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	291.53 33.29 65.25 131.83	62.54
	33 42 11 00-0427	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	309.35 35.19 68.96 139.34	66.71
	33 42 11 00-0428	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	327.79 37.08 72.68 146.84	70.88
	33 42 11 00-0429	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.56 38.99 76.42 154.40	75.05
	33 42 11 00-0430	LF		108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	371.26 40.90 80.16 161.96	83.39
	33 42 11 00-0431	LF		114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	393.46 42.77 83.83 169.37	91.73
	33 42 11 00-0432			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0406)</small>		
	33 42 11 00-0433	LF		60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	202.94 28.61 54.51 88.85	30.02
	33 42 11 00-0434	LF		66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.89 35.01 66.69 108.71	36.69
	33 42 11 00-0435	LF		72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.90 37.55 71.54 116.61	53.37
	33 42 11 00-0436	LF		78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.26 40.10 76.40 124.52	58.37
	33 42 11 00-0437	LF		84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	338.41 42.67 81.28 132.48	62.54
	33 42 11 00-0438	LF		90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	359.50 45.22 86.14 140.40	66.71
	33 42 11 00-0439	LF		96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.25 47.77 91.01 148.34	70.88
	33 42 11 00-0440	LF		102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.29 50.34 95.89 156.29	75.05
	33 42 11 00-0441	LF		108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	431.20 52.89 100.75 164.21	83.39
	33 42 11 00-0442	LF		114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	456.70 55.42 105.57 172.07	91.73
	33 42 11 00-0443	LF		120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	481.29 57.98 110.45 180.03	100.07
	33 42 11 00-0444			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0406)</small>		
	33 42 11 00-0445	LF		72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.55 45.08 85.66 114.51	53.37
	33 42 11 00-0446	LF		78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.00 48.25 91.68 122.56	58.37
	33 42 11 00-0447	LF		84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	382.24 51.43 97.72 130.64	62.54

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0448	LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	406.42	66.71
	For Bituminous Coated Pipe, Add	54.60	
	For Bituminous Coated And 25% Paved, Add	103.74	
	For Smooth-Flo, Add	138.68	
33 42 11 00-0449	LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	431.25	70.88
	For Bituminous Coated Pipe, Add	57.77	
	For Bituminous Coated And 25% Paved, Add	109.77	
	For Smooth-Flo, Add	146.75	
33 42 11 00-0450	LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	458.38	75.05
	For Bituminous Coated Pipe, Add	60.95	
	For Bituminous Coated And 25% Paved, Add	115.81	
	For Smooth-Flo, Add	154.82	
33 42 11 00-0451	LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	487.38	83.39
	For Bituminous Coated Pipe, Add	64.12	
	For Bituminous Coated And 25% Paved, Add	121.83	
	For Smooth-Flo, Add	162.87	
33 42 11 00-0452	LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	515.94	91.73
	For Bituminous Coated Pipe, Add	67.27	
	For Bituminous Coated And 25% Paved, Add	127.81	
	For Smooth-Flo, Add	170.86	
33 42 11 00-0453	LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	543.65	100.07
	For Bituminous Coated Pipe, Add	70.45	
	For Bituminous Coated And 25% Paved, Add	133.86	
	For Smooth-Flo, Add	178.95	
33 42 11 00-0454	LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	572.86	108.41
	For Bituminous Coated Pipe, Add	73.61	
	For Bituminous Coated And 25% Paved, Add	139.86	
	For Smooth-Flo, Add	186.96	
33 42 11 00-0455	LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	604.21	116.74
	For Bituminous Coated Pipe, Add	76.79	
	For Bituminous Coated And 25% Paved, Add	145.90	
	For Smooth-Flo, Add	195.04	
33 42 11 00-0456	LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	638.12	125.08
	For Bituminous Coated Pipe, Add	79.97	
	For Bituminous Coated And 25% Paved, Add	151.95	
	For Smooth-Flo, Add	203.13	
33 42 11 00-0457	125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0366)		
33 42 11 00-0458	16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0457)		
33 42 11 00-0459	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	119.24	25.02
	For Bituminous Coated Pipe, Add	17.84	
	For Bituminous Coated And 25% Paved, Add	40.67	
	For Smooth-Flo, Add	64.57	
33 42 11 00-0460	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	142.38	28.35
	For Bituminous Coated Pipe, Add	21.86	
	For Bituminous Coated And 25% Paved, Add	49.84	
	For Smooth-Flo, Add	79.13	
33 42 11 00-0461	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	154.97	30.02
	For Bituminous Coated Pipe, Add	23.78	
	For Bituminous Coated And 25% Paved, Add	54.21	
	For Smooth-Flo, Add	86.07	
33 42 11 00-0462	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	191.56	36.69
	For Bituminous Coated Pipe, Add	29.93	
	For Bituminous Coated And 25% Paved, Add	68.24	
	For Smooth-Flo, Add	108.35	
33 42 11 00-0463	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	233.66	53.37
	For Bituminous Coated Pipe, Add	31.88	
	For Bituminous Coated And 25% Paved, Add	72.69	
	For Smooth-Flo, Add	115.41	
33 42 11 00-0464	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	252.06	58.37
	For Bituminous Coated Pipe, Add	33.83	
	For Bituminous Coated And 25% Paved, Add	77.13	
	For Smooth-Flo, Add	122.46	
33 42 11 00-0465	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	268.15	62.54
	For Bituminous Coated Pipe, Add	35.77	
	For Bituminous Coated And 25% Paved, Add	81.55	
	For Smooth-Flo, Add	129.48	
33 42 11 00-0466	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	284.21	66.71
	For Bituminous Coated Pipe, Add	37.70	
	For Bituminous Coated And 25% Paved, Add	85.95	
	For Smooth-Flo, Add	136.46	
33 42 11 00-0467	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	301.02	70.88
	For Bituminous Coated Pipe, Add	39.66	
	For Bituminous Coated And 25% Paved, Add	90.42	
	For Smooth-Flo, Add	143.57	
33 42 11 00-0468	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	320.27	75.05
	For Bituminous Coated Pipe, Add	41.67	
	For Bituminous Coated And 25% Paved, Add	95.00	
	For Smooth-Flo, Add	150.83	
33 42 11 00-0469	14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0457)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0470	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	159.46 20.90 49.12 88.95	28.35
	33 42 11 00-0471	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	173.96 22.82 53.62 97.09	30.02
	33 42 11 00-0472	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	212.28 28.09 66.01 119.51	36.69
	33 42 11 00-0473	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	256.05 29.98 70.46 127.58	53.77
	33 42 11 00-0474	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	276.47 31.95 75.07 135.93	58.37
	33 42 11 00-0475	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	294.47 33.88 79.61 144.15	62.54
	33 42 11 00-0476	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	311.47 35.61 83.68 151.52	66.71
	33 42 11 00-0477	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	331.03 37.73 88.67 160.54	70.88
	33 42 11 00-0478	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	351.89 39.66 93.19 168.74	75.05
	33 42 11 00-0479	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	374.59 41.56 97.68 176.85	83.39
	33 42 11 00-0480	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	397.21 43.52 102.27 185.18	91.73
	33 42 11 00-0481			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0457)</small>		
	33 42 11 00-0482	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	209.51 29.93 56.86 102.65	30.02
	33 42 11 00-0483	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	251.44 35.92 68.25 123.21	36.69
	33 42 11 00-0484	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	298.93 38.56 73.26 132.26	53.37
	33 42 11 00-0485	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	322.65 41.18 78.25 141.25	58.37
	33 42 11 00-0486	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	343.99 43.78 83.19 150.17	62.54
	33 42 11 00-0487	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	365.50 46.42 88.19 159.21	66.71
	33 42 11 00-0488	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	387.55 49.03 93.16 168.19	70.88
	33 42 11 00-0489	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	411.83 51.64 98.12 177.14	75.05
	33 42 11 00-0490	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	438.16 54.28 103.13 186.17	83.39
	33 42 11 00-0491	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	464.09 56.90 108.10 195.15	91.73

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0492	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	488.95 59.51 113.07 204.13	100.07
33 42 11 00-0493	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0457)</small>		
33 42 11 00-0494	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	340.00 46.77 88.87 139.62	53.37
33 42 11 00-0495	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	367.54 50.16 95.30 149.73	58.37
33 42 11 00-0496	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	392.44 53.47 101.60 159.61	62.54
33 42 11 00-0497	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	417.20 56.76 107.84 169.42	66.71
33 42 11 00-0498	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	442.76 60.08 114.14 179.33	70.88
33 42 11 00-0499	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	470.43 63.36 120.39 189.14	75.05
33 42 11 00-0500	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	500.16 66.68 126.69 199.03	83.39
33 42 11 00-0501	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	529.53 69.98 132.97 208.90	91.73
33 42 11 00-0502	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	557.76 73.27 139.22 218.72	100.07
33 42 11 00-0503	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	592.90 77.62 147.47 231.68	108.41
33 42 11 00-0504	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	626.25 81.20 154.27 242.37	116.74
33 42 11 00-0505	LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	662.83 84.92 161.34 253.47	125.08
33 42 11 00-0506	Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0366)</small>		
33 42 11 00-0507	16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0506)</small>		
33 42 11 00-0508	LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	42.00 5.50	9.44
33 42 11 00-0509	LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	47.98 6.55	10.22
33 42 11 00-0510	LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	53.49 7.44	11.01
33 42 11 00-0511	LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	70.17 9.58	14.16
33 42 11 00-0512	LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	90.46 12.01	18.35
33 42 11 00-0513	LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	103.23 14.16	21.68
33 42 11 00-0514	LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	116.31 15.94	25.02
33 42 11 00-0515	LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	138.74 19.53	28.35
33 42 11 00-0516	LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	151.36 21.32	30.02
33 42 11 00-0517	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0506)</small>		
33 42 11 00-0518	LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	45.94 6.36	9.44
33 42 11 00-0519	LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	52.58 7.56	10.22
33 42 11 00-0520	LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	58.73 8.58	11.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0521	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	76.68 11.00	14.16
33 42 11 00-0522	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	98.30 13.72	18.35
33 42 11 00-0523	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	112.41 16.16	21.68
33 42 11 00-0524	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	126.79 18.23	25.02
33 42 11 00-0525	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	150.52 22.08	28.35
33 42 11 00-0526	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	164.48 24.16	30.02
33 42 11 00-0527	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	201.80 30.02	36.69
33 42 11 00-0528	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	244.99 32.08	53.37
33 42 11 00-0529	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	264.66 34.17	58.37
33 42 11 00-0530			12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0506)		
33 42 11 00-0531	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	89.88 11.50	14.16
33 42 11 00-0532	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	114.08 14.21	18.35
33 42 11 00-0533	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	130.89 16.72	21.68
33 42 11 00-0534	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	147.86 18.89	25.02
33 42 11 00-0535	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	174.27 22.55	28.35
33 42 11 00-0536	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	190.89 24.76	30.02
33 42 11 00-0537	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	230.78 30.04	36.69
33 42 11 00-0538	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	276.58 32.22	53.37
33 42 11 00-0539	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	298.85 34.42	58.37
33 42 11 00-0540	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	318.79 36.61	62.54
33 42 11 00-0541	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	338.70 38.80	66.71
33 42 11 00-0542	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	359.23 40.98	70.88
33 42 11 00-0543	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	380.75 42.93	75.05
33 42 11 00-0544			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0366)		
33 42 11 00-0545			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0544)		
33 42 11 00-0546	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.17 1.40	4.72
33 42 11 00-0547	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.35 1.69	4.72
33 42 11 00-0548	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.03 1.86	5.89
33 42 11 00-0549	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.52 2.22	5.89
33 42 11 00-0550	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.04 2.33	7.07
33 42 11 00-0551	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.93 2.80	7.07
33 42 11 00-0552			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0544)		
33 42 11 00-0553	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.34 1.39	4.72
33 42 11 00-0554	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.47 1.65	4.72
33 42 11 00-0555	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.19 1.82	5.89
33 42 11 00-0556	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.77 2.19	5.89
33 42 11 00-0557	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.32 2.31	7.07
33 42 11 00-0558	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.26 2.76	7.07
33 42 11 00-0559			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0544)		
33 42 11 00-0560	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.68 1.95	
33 42 11 00-0561	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.48 2.58	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0562	EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.08 3.17	
33 42 11 00-0563	EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	31.29 4.32	
33 42 11 00-0564	EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	7.20 0.99	
33 42 11 00-0565	EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.08 1.48	
33 42 11 00-0566	2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0366)		
33 42 11 00-0567	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0566)		
33 42 11 00-0568	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	46.42	8.26
33 42 11 00-0569	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	54.65	8.65
33 42 11 00-0570	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	63.11	9.44
33 42 11 00-0571	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	73.31	10.22
33 42 11 00-0572	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	81.75	11.01
33 42 11 00-0573	LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	107.05	14.16
33 42 11 00-0574	LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	137.38	18.35
33 42 11 00-0575	LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	158.93	21.68
33 42 11 00-0576	LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	178.38	25.02
33 42 11 00-0577	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0566)		
33 42 11 00-0578	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	52.76	8.26
33 42 11 00-0579	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	62.50	8.65
33 42 11 00-0580	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	72.52	9.44
33 42 11 00-0581	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	84.20	10.22
33 42 11 00-0582	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.40	11.01
33 42 11 00-0583	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	122.57	14.16
33 42 11 00-0584	LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	156.12	18.35
33 42 11 00-0585	LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	180.44	21.68
33 42 11 00-0586	LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	202.93	25.02
33 42 11 00-0587	LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	245.63	28.35
33 42 11 00-0588	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0566)		
33 42 11 00-0589	LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	92.11	9.44
33 42 11 00-0590	LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	107.08	10.22
33 42 11 00-0591	LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	120.42	11.01
33 42 11 00-0592	LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	155.08	14.16
33 42 11 00-0593	LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	187.15	18.35
33 42 11 00-0594	LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	225.91	21.68
33 42 11 00-0595	LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	254.81	25.02
33 42 11 00-0596	LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	304.84	28.35
33 42 11 00-0597	LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	333.10	30.02
33 42 11 00-0598	LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	407.91	36.69
33 42 11 00-0599	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0566)		
33 42 11 00-0600	LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	230.75	18.35
33 42 11 00-0601	LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	267.32	21.68
33 42 11 00-0602	LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	301.86	25.02
33 42 11 00-0603	LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	357.54	28.35
33 42 11 00-0604	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	391.77	30.02
33 42 11 00-0605	LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	472.35	36.69
33 42 11 00-0606	LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	535.53	53.37
33 42 11 00-0607	3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0366)		
33 42 11 00-0608	16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0607)		
33 42 11 00-0609	LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	173.36	18.35
33 42 11 00-0610	LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	200.42	21.68
33 42 11 00-0611	LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	224.90	25.02
33 42 11 00-0612	LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	272.09	28.35
33 42 11 00-0613	LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	296.26	30.02
33 42 11 00-0614	LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	377.07	36.69
33 42 11 00-0615	LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	431.23	53.37
33 42 11 00-0616	LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	461.70	58.37
33 42 11 00-0617	LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	489.96	62.54
33 42 11 00-0618	LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	518.25	66.71
33 42 11 00-0619	LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	547.07	70.88
33 42 11 00-0620	LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	578.33	75.05
33 42 11 00-0621	14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0607)		
33 42 11 00-0622	LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	305.97	28.35
33 42 11 00-0623	LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	333.71	30.02
33 42 11 00-0624	LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	418.32	36.69
33 42 11 00-0625	LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	476.09	53.37
33 42 11 00-0626	LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	510.23	58.37

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0627	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	542.30	62.54
33 42 11 00-0628	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	574.14	66.71
33 42 11 00-0629	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	606.60	70.88
33 42 11 00-0630	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	641.56	75.05
33 42 11 00-0631	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	678.35	83.39
33 42 11 00-0632	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	714.39	91.73

33 42 11 00-0633 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0607)

33 42 11 00-0634	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	418.92	30.02
33 42 11 00-0635	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	513.11	36.69
33 42 11 00-0636	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	579.10	53.37
33 42 11 00-0637	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	621.49	58.37
33 42 11 00-0638	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	661.78	62.54
33 42 11 00-0639	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	701.90	66.71
33 42 11 00-0640	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	742.68	70.88
33 42 11 00-0641	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	785.85	75.05
33 42 11 00-0642	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	830.79	83.39
33 42 11 00-0643	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	875.21	91.73
33 42 11 00-0644	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	918.93	100.07

33 42 11 00-0645 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0607)

33 42 11 00-0646	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	672.96	53.37
33 42 11 00-0647	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	723.00	58.37
33 42 11 00-0648	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	771.00	62.54
33 42 11 00-0649	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	818.79	66.71
33 42 11 00-0650	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	867.30	70.88
33 42 11 00-0651	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	918.17	75.05
33 42 11 00-0652	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	970.82	83.39
33 42 11 00-0653	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,022.90	91.73
33 42 11 00-0654	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,074.33	100.07
33 42 11 00-0655	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,127.12	108.41
33 42 11 00-0656	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,182.20	116.74
33 42 11 00-0657	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,239.85	125.08

33 42 11 00-0658 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)

33 42 11 00-0659 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)

33 42 11 00-0660	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	217.59	25.02
33 42 11 00-0661	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	264.05	28.35
33 42 11 00-0662	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	287.05	30.02
33 42 11 00-0663	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	359.95	36.69
33 42 11 00-0664	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	412.71	53.37
33 42 11 00-0665	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	441.72	58.37
33 42 11 00-0666	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	468.33	62.54
33 42 11 00-0667	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	494.88	66.71
33 42 11 00-0668	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	522.32	70.88
33 42 11 00-0669	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	552.56	75.05

33 42 11 00-0670 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)

33 42 11 00-0671	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	304.29	28.35
33 42 11 00-0672	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	331.87	30.02
33 42 11 00-0673	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	408.84	36.69
33 42 11 00-0674	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	465.53	53.37
33 42 11 00-0675	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	499.31	58.37
33 42 11 00-0676	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	530.41	62.54
33 42 11 00-0677	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	559.21	66.71
33 42 11 00-0678	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	593.18	70.88
33 42 11 00-0679	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	627.17	75.05
33 42 11 00-0680	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	662.81	83.39
33 42 11 00-0681	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	698.74	91.73

33 42 11 00-0682 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)

33 42 11 00-0683	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	421.71	30.02
33 42 11 00-0684	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	508.23	36.69
33 42 11 00-0685	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	574.32	53.37
33 42 11 00-0686	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	616.35	58.37
33 42 11 00-0687	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	655.88	62.54
33 42 11 00-0688	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	695.89	66.71
33 42 11 00-0689	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	736.28	70.88
33 42 11 00-0690	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	778.81	75.05
33 42 11 00-0691	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	823.63	83.39
33 42 11 00-0692	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	867.90	91.73
33 42 11 00-0693	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	911.08	100.07

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-0694		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0658)			
33 42 11 00-0695	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	672.92		53.37
33 42 11 00-0696	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	724.13		58.37
33 42 11 00-0697	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	772.29		62.54
33 42 11 00-0698	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	820.06		66.71
33 42 11 00-0699	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	868.80		70.88
33 42 11 00-0700	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	919.58		75.05
33 42 11 00-0701	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	972.47		83.39
33 42 11 00-0702	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,025.01		91.73
33 42 11 00-0703	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,076.33		100.07
33 42 11 00-0704	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,141.87		108.41
33 42 11 00-0705	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,200.34		116.74
33 42 11 00-0706	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,262.95		125.08
33 42 11 00-0707		Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0365)			
33 42 11 00-0708		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0707)			
33 42 11 00-0709		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0708)			
33 42 11 00-0710	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	33.82		8.65
		For Bituminous Coated Pipe, Add	4.00		
		For Bituminous Coated And 25% Paved, Add	9.66		
		For Smooth-Flo, Add	15.94		
33 42 11 00-0711	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	37.58		9.44
		For Bituminous Coated Pipe, Add	4.77		
		For Bituminous Coated And 25% Paved, Add	11.54		
		For Smooth-Flo, Add	19.04		
33 42 11 00-0712	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	42.95		10.22
		For Bituminous Coated Pipe, Add	5.75		
		For Bituminous Coated And 25% Paved, Add	13.89		
		For Smooth-Flo, Add	22.92		
33 42 11 00-0713	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	48.16		11.01
		For Bituminous Coated Pipe, Add	6.62		
		For Bituminous Coated And 25% Paved, Add	16.01		
		For Smooth-Flo, Add	26.40		
33 42 11 00-0714	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.81		14.16
		For Bituminous Coated Pipe, Add	8.41		
		For Bituminous Coated And 25% Paved, Add	20.33		
		For Smooth-Flo, Add	33.53		
33 42 11 00-0715	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	82.46		18.35
		For Bituminous Coated Pipe, Add	10.84		
		For Bituminous Coated And 25% Paved, Add	26.22		
		For Smooth-Flo, Add	43.25		
33 42 11 00-0716		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0708)			
33 42 11 00-0717	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	37.06		8.65
		For Bituminous Coated Pipe, Add	4.15		
		For Bituminous Coated And 25% Paved, Add	9.70		
		For Smooth-Flo, Add	15.91		
33 42 11 00-0718	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	41.55		9.44
		For Bituminous Coated Pipe, Add	4.98		
		For Bituminous Coated And 25% Paved, Add	11.64		
		For Smooth-Flo, Add	19.09		
33 42 11 00-0719	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	47.37		10.22
		For Bituminous Coated Pipe, Add	5.91		
		For Bituminous Coated And 25% Paved, Add	13.83		
		For Smooth-Flo, Add	22.69		
33 42 11 00-0720	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	53.28		11.01
		For Bituminous Coated Pipe, Add	6.82		
		For Bituminous Coated And 25% Paved, Add	15.95		
		For Smooth-Flo, Add	26.16		
33 42 11 00-0721	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.20		14.16
		For Bituminous Coated Pipe, Add	8.63		
		For Bituminous Coated And 25% Paved, Add	20.20		
		For Smooth-Flo, Add	33.13		
33 42 11 00-0722	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	90.06		18.35
		For Bituminous Coated Pipe, Add	11.00		
		For Bituminous Coated And 25% Paved, Add	25.73		
		For Smooth-Flo, Add	42.20		
33 42 11 00-0723	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	103.39		21.68
		For Bituminous Coated Pipe, Add	13.10		
		For Bituminous Coated And 25% Paved, Add	30.65		
		For Smooth-Flo, Add	50.28		
33 42 11 00-0724		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0708)			
33 42 11 00-0725	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	53.88		10.01
		For Bituminous Coated Pipe, Add	5.38		
		For Bituminous Coated And 25% Paved, Add	11.97		
		For Smooth-Flo, Add	18.41		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0726	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	61.47 6.38 14.20 21.84	10.84
	33 42 11 00-0727	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	69.00 7.32 16.29 25.05	11.67
	33 42 11 00-0728	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.20 9.22 20.51 31.54	15.01
	33 42 11 00-0729	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	105.57 11.53 25.66 39.46	18.35
	33 42 11 00-0730	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.28 13.64 30.35 46.67	21.68
	33 42 11 00-0731	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	141.38 16.17 35.99 55.35	25.02
	33 42 11 00-0732	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	158.18 17.86 39.75 61.12	28.35
	33 42 11 00-0733			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0708)</small>		
	33 42 11 00-0734	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.17 13.90 29.25 36.89	18.35
	33 42 11 00-0735	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.31 16.39 34.51 43.52	21.68
	33 42 11 00-0736	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.68 19.29 40.60 51.21	25.02
	33 42 11 00-0737	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	179.99 21.38 45.02 56.77	28.35
	33 42 11 00-0738	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	197.16 23.48 49.42 62.33	30.02
	33 42 11 00-0739			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0707)</small>		
	33 42 11 00-0740			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0739)</small>		
	33 42 11 00-0741	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.97 20.61 62.64 70.06	28.35
	33 42 11 00-0742	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	172.62 22.55 68.55 76.67	30.02
	33 42 11 00-0743	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	213.46 28.32 86.10 96.30	36.69
	33 42 11 00-0744	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	257.95 30.36 92.31 103.24	53.37
	33 42 11 00-0745	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	279.28 32.51 98.82 110.53	58.37
	33 42 11 00-0746	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.41 34.67 105.38 117.86	62.54
	33 42 11 00-0747	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.47 36.81 111.90 125.15	66.71
	33 42 11 00-0748	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.12 38.95 118.40 132.42	70.88

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0749			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0739)</small>		
33 42 11 00-0750	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	206.18 29.26 76.67 90.71	30.02
33 42 11 00-0751	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	250.68 35.77 93.71 110.88	36.69
33 42 11 00-0752	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.48 38.47 100.79 119.26	53.37
33 42 11 00-0753	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	323.08 41.27 108.12 127.93	58.37
33 42 11 00-0754	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	345.47 44.08 115.48 136.64	62.54
33 42 11 00-0755	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	367.83 46.88 122.83 145.33	66.71
33 42 11 00-0756	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	390.76 49.68 130.15 154.00	70.88
33 42 11 00-0757	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	416.10 52.50 137.54 162.74	75.05
33 42 11 00-0758	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	443.28 55.30 144.89 171.44	83.39
33 42 11 00-0759	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	471.54 58.39 152.97 181.00	91.73
33 42 11 00-0760			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0739)</small>		
33 42 11 00-0761	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.12 46.00 109.48 118.90	53.37
33 42 11 00-0762	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.84 49.42 117.62 127.75	58.37
33 42 11 00-0763	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	389.33 52.85 125.78 136.62	62.54
33 42 11 00-0764	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	414.72 56.26 133.90 145.43	66.71
33 42 11 00-0765	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	440.76 59.68 142.03 154.26	70.88
33 42 11 00-0766	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	469.16 63.11 150.20 163.14	75.05
33 42 11 00-0767	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	499.43 66.53 158.35 171.99	83.39
33 42 11 00-0768	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	530.53 70.18 167.04 181.43	91.73
33 42 11 00-0769	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	564.24 74.57 177.48 192.76	100.07
33 42 11 00-0770			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0707)</small>		
33 42 11 00-0771			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0770)</small>		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0772			LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	302.17 39.21 95.67 121.74	53.37
	33 42 11 00-0773			LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	326.41 41.93 102.32 130.21	58.37
	33 42 11 00-0774			LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.23 44.63 108.90 138.58	62.54
	33 42 11 00-0775			LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	370.04 47.32 115.47 146.94	66.71
	33 42 11 00-0776			LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	392.57 50.04 122.09 155.37	70.88
	33 42 11 00-0777			LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	417.61 52.80 128.83 163.94	75.05
	33 42 11 00-0778			LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	444.49 55.54 135.53 172.46	83.39
	33 42 11 00-0779			LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	474.54 58.99 143.93 183.15	91.73
	33 42 11 00-0780			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0770)</small>		
	33 42 11 00-0781			LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	343.84 47.54 107.44 116.72	53.37
	33 42 11 00-0782			LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	371.42 50.94 115.12 125.05	58.37
	33 42 11 00-0783			LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	396.62 54.31 122.74 133.33	62.54
	33 42 11 00-0784			LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	421.92 57.70 130.40 141.65	66.71
	33 42 11 00-0785			LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	447.27 60.98 137.81 149.70	70.88
	33 42 11 00-0786			LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	476.16 64.51 145.79 158.37	75.05
	33 42 11 00-0787			LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	506.49 67.94 153.55 166.80	83.39
	33 42 11 00-0788			LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	539.95 72.07 162.87 176.93	91.73
	33 42 11 00-0789			LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	571.21 75.96 171.68 186.49	100.07
	33 42 11 00-0790			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0707)</small>		
	33 42 11 00-0791			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0790)</small>		
	33 42 11 00-0792		LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	54.70	8.65
	33 42 11 00-0793		LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	62.54	9.44
	33 42 11 00-0794		LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	73.06	10.22
	33 42 11 00-0795		LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	82.91	11.01
	33 42 11 00-0796		LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	107.08	14.16
	33 42 11 00-0797		LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	139.97	18.35
	33 42 11 00-0798			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0790)</small>		
	33 42 11 00-0799		LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	62.16	8.65
	33 42 11 00-0800		LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	71.64	9.44

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0801	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	83.23	10.22
33 42 11 00-0802	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	94.73	11.01
33 42 11 00-0803	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	121.77	14.16
33 42 11 00-0804	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.44	18.35
33 42 11 00-0805	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.82	21.68
33 42 11 00-0806	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0807	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	93.97	9.44
33 42 11 00-0808	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	109.67	10.22
33 42 11 00-0809	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.67	11.01
33 42 11 00-0810	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	159.14	14.16
33 42 11 00-0811	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	202.58	18.35
33 42 11 00-0812	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	236.39	21.68
33 42 11 00-0813	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	278.81	25.02
33 42 11 00-0814	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	309.54	28.35
33 42 11 00-0815	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0816	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	237.98	18.35
33 42 11 00-0817	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	277.69	21.68
33 42 11 00-0818	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	325.64	25.02
33 42 11 00-0819	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	362.49	28.35
33 42 11 00-0820	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	397.10	30.02
33 42 11 00-0821	3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0822	14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0823	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	312.62	28.35
33 42 11 00-0824	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	341.53	30.02
33 42 11 00-0825	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	427.40	36.69
33 42 11 00-0826	LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	487.00	53.37
33 42 11 00-0827	LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	524.22	58.37
33 42 11 00-0828	LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	559.29	62.54
33 42 11 00-0829	LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	594.21	66.71
33 42 11 00-0830	LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	629.81	70.88
33 42 11 00-0831	12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0832	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	426.90	30.02
33 42 11 00-0833	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	522.43	36.69
33 42 11 00-0834	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	590.43	53.37
33 42 11 00-0835	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	635.90	58.37
33 42 11 00-0836	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	679.25	62.54
33 42 11 00-0837	LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	722.55	66.71
33 42 11 00-0838	LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	766.36	70.88
33 42 11 00-0839	LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	812.72	75.05
33 42 11 00-0840	LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	860.84	83.39
33 42 11 00-0841	LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	912.13	91.73
33 42 11 00-0842	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0843	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	684.26	53.37
33 42 11 00-0844	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	737.49	58.37
33 42 11 00-0845	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	788.59	62.54
33 42 11 00-0846	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	839.43	66.71
33 42 11 00-0847	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	890.96	70.88
33 42 11 00-0848	LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	945.00	75.05
33 42 11 00-0849	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,000.85	83.39
33 42 11 00-0850	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,059.18	91.73
33 42 11 00-0851	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,125.60	100.07
33 42 11 00-0852	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0853	12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0854	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	581.99	53.37
33 42 11 00-0855	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	625.35	58.37
33 42 11 00-0856	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	666.07	62.54
33 42 11 00-0857	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	706.74	66.71
33 42 11 00-0858	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	748.27	70.88
33 42 11 00-0859	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	792.67	75.05
33 42 11 00-0860	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	838.76	83.39
33 42 11 00-0861	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	892.90	91.73
33 42 11 00-0862	10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
33 42 11 00-0863	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	682.07	53.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0864	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	733.37	58.37
33 42 11 00-0865	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	782.22	62.54
33 42 11 00-0866	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	831.28	66.71
33 42 11 00-0867	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	879.64	70.88
33 42 11 00-0868	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	933.21	75.05
33 42 11 00-0869	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	987.63	83.39
33 42 11 00-0870	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,050.09	91.73
33 42 11 00-0871	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,108.48	100.07
33 42 11 00-0872			Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0865)		
33 42 11 00-0873			2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0872)		
33 42 11 00-0874			16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)		
33 42 11 00-0875	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	31.87	8.26
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.95	
33 42 11 00-0876	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	36.31	8.65
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.49	
33 42 11 00-0877	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	40.88	9.44
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.08	
33 42 11 00-0878	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	46.73	10.22
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.85	
33 42 11 00-0879	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	51.83	11.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.23	
33 42 11 00-0880	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	68.29	14.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	15.86	
33 42 11 00-0881	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	88.43	18.35
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.01	
33 42 11 00-0882	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	101.02	21.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.66	
33 42 11 00-0883	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	113.52	25.02
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.51	
33 42 11 00-0884			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)		
33 42 11 00-0885	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	35.08	8.26
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.65	
33 42 11 00-0886	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	40.27	8.65
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.09	
33 42 11 00-0887	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	45.61	9.44
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.57	
33 42 11 00-0888	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	52.22	10.22
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.19	
33 42 11 00-0889	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	58.19	11.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.54	
33 42 11 00-0890	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	76.07	14.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.81	
33 42 11 00-0891	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	97.85	18.35
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.57	
33 42 11 00-0892	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	111.87	21.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.87	
33 42 11 00-0893	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	125.88	25.02
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.57	
33 42 11 00-0894	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	150.83	28.35
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.21	
33 42 11 00-0895			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)		
33 42 11 00-0896	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	55.54	9.44
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.98	
33 42 11 00-0897	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	63.81	10.22
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.45	
33 42 11 00-0898	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	71.36	11.01
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.70	
33 42 11 00-0899	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	92.52	14.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.65	
33 42 11 00-0900	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	117.68	18.35
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.94	
33 42 11 00-0901	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	134.85	21.68
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	19.87	
33 42 11 00-0902	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	152.10	25.02
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.41	
33 42 11 00-0903	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	180.78	28.35
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.06	
33 42 11 00-0904	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	197.46	30.02
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.58	
33 42 11 00-0905	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	241.05	36.69
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.38	
33 42 11 00-0906			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0907	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.52 18.55	18.35
33 42 11 00-0908	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	155.72 21.75	21.68
33 42 11 00-0909	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	175.79 24.56	25.02
33 42 11 00-0910	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	207.34 29.26	28.35
33 42 11 00-0911	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.02 32.09	30.02
33 42 11 00-0912	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	273.51 38.72	36.69
33 42 11 00-0913	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	322.34 41.51	53.37
33 42 11 00-0914			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0914)</small>		
33 42 11 00-0915			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0914)</small>		
33 42 11 00-0916	LF	36"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	102.45 22.24	18.35
33 42 11 00-0917	LF	42"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	117.07 26.12	21.68
33 42 11 00-0918	LF	48"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.57 29.29	25.02
33 42 11 00-0919	LF	54"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.16 35.78	28.35
33 42 11 00-0920	LF	60"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.23 38.98	30.02
33 42 11 00-0921	LF	66"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	214.88 50.06	36.69
33 42 11 00-0922	LF	72"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	258.59 53.36	53.37
33 42 11 00-0923	LF	78"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	278.65 56.67	58.37
33 42 11 00-0924	LF	84"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	296.47 59.99	62.54
33 42 11 00-0925	LF	90"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	314.29 63.30	66.71
33 42 11 00-0926	LF	96"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	332.70 66.61	70.88
33 42 11 00-0927	LF	102"	16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	353.47 69.95	75.05
33 42 11 00-0928			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0914)</small>		
33 42 11 00-0929	LF	54"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	173.27 31.00	28.35
33 42 11 00-0930	LF	60"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	189.04 33.84	30.02
33 42 11 00-0931	LF	66"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	234.48 42.61	36.69
33 42 11 00-0932	LF	72"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	279.94 45.54	53.37
33 42 11 00-0933	LF	78"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	301.73 48.47	58.37
33 42 11 00-0934	LF	84"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	321.36 51.43	62.54
33 42 11 00-0935	LF	90"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	340.88 54.35	66.71
33 42 11 00-0936	LF	96"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	361.01 57.28	70.88
33 42 11 00-0937	LF	102"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	383.51 60.23	75.05
33 42 11 00-0938	LF	108"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	407.91 63.18	83.39
33 42 11 00-0939	LF	114"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	431.80 66.07	91.73
33 42 11 00-0940			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0914)</small>		
33 42 11 00-0941	LF	60"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	228.62 45.39	30.02
33 42 11 00-0942	LF	66"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	278.30 55.54	36.69
33 42 11 00-0943	LF	72"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	327.58 59.57	53.37
33 42 11 00-0944	LF	78"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	353.24 63.62	58.37
33 42 11 00-0945	LF	84"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	376.70 67.69	62.54
33 42 11 00-0946	LF	90"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	400.09 71.73	66.71
33 42 11 00-0947	LF	96"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	424.07 75.77	70.88
33 42 11 00-0948	LF	102"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	450.41 79.84	75.05

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0949	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	478.62 83.89	83.39
	33 42 11 00-0950	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	506.40 87.91	91.73
	33 42 11 00-0951	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	533.29 91.97	100.07
33 42 11 00-0952				10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0914)</small>		
	33 42 11 00-0953	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	372.01 73.12	53.37
	33 42 11 00-0954	LF		78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	401.25 78.24	58.37
	33 42 11 00-0955	LF		84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.36 83.40	62.54
	33 42 11 00-0956	LF		90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	455.36 88.53	66.71
	33 42 11 00-0957	LF		96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	483.04 93.68	70.88
	33 42 11 00-0958	LF		102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	513.04 98.84	75.05
	33 42 11 00-0959	LF		108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	544.86 103.97	83.39
	33 42 11 00-0960	LF		114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	576.27 109.08	91.73
	33 42 11 00-0961	LF		120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	606.82 114.24	100.07
	33 42 11 00-0962	LF		126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	638.88 119.37	108.41
	33 42 11 00-0963	LF		132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	673.08 124.52	116.74
	33 42 11 00-0964	LF		138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	709.83 129.68	125.08
33 42 11 00-0965				125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0872)</small>		
33 42 11 00-0966				16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0965)</small>		
	33 42 11 00-0967	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	132.09 36.29	25.02
	33 42 11 00-0968	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.09 44.46	28.35
	33 42 11 00-0969	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	172.05 48.35	30.02
	33 42 11 00-0970	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	213.06 60.87	36.69
	33 42 11 00-0971	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	256.56 64.84	53.37
	33 42 11 00-0972	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	276.38 68.80	58.37
	33 42 11 00-0973	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	293.86 72.74	62.54
	33 42 11 00-0974	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	311.29 76.66	66.71
	33 42 11 00-0975	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	329.52 80.66	70.88
	33 42 11 00-0976	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	350.23 84.74	75.05
33 42 11 00-0977				14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0965)</small>		
	33 42 11 00-0978	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	178.23 41.92	28.35
	33 42 11 00-0979	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.49 45.77	30.02
	33 42 11 00-0980	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	237.50 56.32	36.69
	33 42 11 00-0981	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	283.00 60.14	53.37
	33 42 11 00-0982	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	305.18 64.07	58.37
	33 42 11 00-0983	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	324.91 67.94	62.54
	33 42 11 00-0984	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	343.48 71.42	66.71
	33 42 11 00-0985	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	364.92 75.66	70.88
	33 42 11 00-0986	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	387.54 79.54	75.05
	33 42 11 00-0987	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	411.97 83.37	83.39
	33 42 11 00-0988	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	436.34 87.29	91.73

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0989 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0985)</small>		
33 42 11 00-0990 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	236.44 50.50	30.02
33 42 11 00-0991 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	283.75 60.61	36.69
33 42 11 00-0992 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	333.64 65.07	53.37
33 42 11 00-0993 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	359.69 69.48	58.37
33 42 11 00-0994 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	383.39 73.88	62.54
33 42 11 00-0995 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	407.30 78.33	66.71
33 42 11 00-0996 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	431.67 82.74	70.88
33 42 11 00-0997 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	458.32 87.15	75.05
33 42 11 00-0998 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	487.01 91.59	83.39
33 42 11 00-0999 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	515.30 96.01	91.73
33 42 11 00-1000 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	542.53 100.43	100.07
33 42 11 00-1001 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0985)</small>		
33 42 11 00-1002 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	382.13 78.94	53.37
33 42 11 00-1003 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	412.69 84.64	58.37
33 42 11 00-1004 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	440.60 90.24	62.54
33 42 11 00-1005 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	468.32 95.78	66.71
33 42 11 00-1006 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	496.82 101.37	70.88
33 42 11 00-1007 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	527.49 106.93	75.05
33 42 11 00-1008 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	560.19 112.52	83.39
33 42 11 00-1009 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	592.53 118.10	91.73
33 42 11 00-1010 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	623.72 123.65	100.07
33 42 11 00-1011 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	662.80 130.98	108.41
33 42 11 00-1012 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	699.36 137.02	116.74
33 42 11 00-1013 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	739.27 143.29	125.08
33 42 11 00-1014 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0872)</small>		
33 42 11 00-1015 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1014)</small>		
33 42 11 00-1016 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	46.30	9.44
33 42 11 00-1017 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	53.00	10.22
33 42 11 00-1018 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	59.25	11.01
33 42 11 00-1019 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	77.35	14.16
33 42 11 00-1020 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.06	18.35
33 42 11 00-1021 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	113.29	21.68
33 42 11 00-1022 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	127.78	25.02
33 42 11 00-1023 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.67	28.35
33 42 11 00-1024 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	165.72	30.02
33 42 11 00-1025 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1014)</small>		
33 42 11 00-1026 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	50.97	9.44
33 42 11 00-1027 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	58.45	10.22
33 42 11 00-1028 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	65.42	11.01
33 42 11 00-1029 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	85.07	14.16
33 42 11 00-1030 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	108.36	18.35
33 42 11 00-1031 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	124.16	21.68
33 42 11 00-1032 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	140.20	25.02
33 42 11 00-1033 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	165.64	28.35
33 42 11 00-1034 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	181.29	30.02
33 42 11 00-1035 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	220.45	36.69
33 42 11 00-1036 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	265.31	53.37
33 42 11 00-1037 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	286.64	58.37
33 42 11 00-1038 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1014)</small>		

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1039	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	100.73	14.16
	33 42 11 00-1040	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	127.10	18.35
	33 42 11 00-1041	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	146.12	21.68
	33 42 11 00-1042	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	165.25	25.02
	33 42 11 00-1043	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	193.80	28.35
	33 42 11 00-1044	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	212.63	30.02
	33 42 11 00-1045	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	254.86	36.69
	33 42 11 00-1046	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	302.81	53.37
	33 42 11 00-1047	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	327.26	58.37
	33 42 11 00-1048	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	349.35	62.54
	33 42 11 00-1049	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	371.47	66.71
	33 42 11 00-1050	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	394.12	70.88
	33 42 11 00-1051	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	417.58	75.05
33 42 11 00-1052			Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0365)</small>		
33 42 11 00-1053			2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1052)</small>		
33 42 11 00-1054			16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1053)</small>		
	33 42 11 00-1055	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	37.40	8.65
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.68	
	33 42 11 00-1056	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	41.85	9.44
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.56	
	33 42 11 00-1057	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	48.07	10.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.90	
	33 42 11 00-1058	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	54.07	11.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.02	
	33 42 11 00-1059	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	70.32	14.16
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.35	
	33 42 11 00-1060	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	92.15	18.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.25	
33 42 11 00-1061			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1053)</small>		
	33 42 11 00-1062	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	41.36	8.65
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.03	
	33 42 11 00-1063	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	46.67	9.44
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.01	
	33 42 11 00-1064	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	53.49	10.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.29	
	33 42 11 00-1065	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	60.34	11.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	16.48	
	33 42 11 00-1066	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	78.13	14.16
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	20.86	
	33 42 11 00-1067	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	101.45	18.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.58	
	33 42 11 00-1068	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	116.95	21.68
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	31.66	
33 42 11 00-1069			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1053)</small>		
	33 42 11 00-1070	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	56.48	9.44
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.00	
	33 42 11 00-1071	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	65.12	10.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.08	
	33 42 11 00-1072	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	73.51	11.01
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.01	
	33 42 11 00-1073	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	94.58	14.16
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.94	
	33 42 11 00-1074	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	121.32	18.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.82	
	33 42 11 00-1075	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	140.12	21.68
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	28.23	
	33 42 11 00-1076	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	164.19	25.02
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	33.61	
	33 42 11 00-1077	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	183.14	28.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	37.05	
33 42 11 00-1078			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1053)</small>		
	33 42 11 00-1079	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	139.16	18.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	25.06	
	33 42 11 00-1080	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	160.93	21.68
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.62	
	33 42 11 00-1081	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	187.78	25.02
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.97	
	33 42 11 00-1082	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	209.82	28.35
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	38.72	
	33 42 11 00-1083	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	229.71	30.02
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	42.46	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-1084		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1052)</small>			
33 42 11 00-1085		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1084)</small>			
33 42 11 00-1086	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	176.45		28.35
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.65		
33 42 11 00-1087	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	192.83		30.02
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	60.90		
33 42 11 00-1088	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	238.84		36.69
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.49		
33 42 11 00-1089	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	285.15		53.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	81.99		
33 42 11 00-1090	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	308.42		58.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	87.79		
33 42 11 00-1091	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	329.45		62.54
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	93.60		
33 42 11 00-1092	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	350.42		66.71
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	99.39		
33 42 11 00-1093	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	372.04		70.88
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	105.18		
33 42 11 00-1094		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1084)</small>			
33 42 11 00-1095	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	232.44		30.02
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	69.20		
33 42 11 00-1096	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	282.75		36.69
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	84.57		
33 42 11 00-1097	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	332.97		53.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	90.96		
33 42 11 00-1098	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	360.06		58.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.57		
33 42 11 00-1099	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	384.99		62.54
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.22		
33 42 11 00-1100	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	409.87		66.71
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.86		
33 42 11 00-1101	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	435.31		70.88
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	117.46		
33 42 11 00-1102	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	463.16		75.05
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	124.13		
33 42 11 00-1103	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	492.86		83.39
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.76		
33 42 11 00-1104	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	523.90		91.73
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	138.06		
33 42 11 00-1105		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1084)</small>			
33 42 11 00-1106	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	377.37		53.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	98.46		
33 42 11 00-1107	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	408.15		58.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	105.78		
33 42 11 00-1108	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	436.72		62.54
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.13		
33 42 11 00-1109	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	465.17		66.71
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	120.43		
33 42 11 00-1110	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	496.73		70.88
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	128.63		
33 42 11 00-1111	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	525.76		75.05
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	135.09		
33 42 11 00-1112	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	559.13		83.39
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	142.43		
33 42 11 00-1113	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	593.47		91.73
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.23		
33 42 11 00-1114	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	631.11		100.07
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	159.62		
33 42 11 00-1115		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1052)</small>			
33 42 11 00-1116		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1115)</small>			
33 42 11 00-1117	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	337.45		53.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.52		
33 42 11 00-1118	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	364.15		58.37
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	95.75		
33 42 11 00-1119	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	388.42		62.54
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	101.91		
33 42 11 00-1120	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	412.66		66.71
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	108.07		
33 42 11 00-1121	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	437.61		70.88
		<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	114.25		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1122	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	465.13 120.56	75.05
	33 42 11 00-1123	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	494.49 126.83	83.39
	33 42 11 00-1124	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	527.63 134.68	91.73
	33 42 11 00-1125			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1115)</small>		
	33 42 11 00-1126	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	386.64 99.30	53.37
	33 42 11 00-1127	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	417.27 106.39	58.37
	33 42 11 00-1128	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	445.51 113.43	62.54
	33 42 11 00-1129	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	473.86 120.52	66.71
	33 42 11 00-1130	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	502.18 127.37	70.88
	33 42 11 00-1131	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	534.21 134.73	75.05
	33 42 11 00-1132	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	567.67 141.92	83.39
	33 42 11 00-1133	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	604.83 150.53	91.73
	33 42 11 00-1134	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	639.59 158.66	100.07
	33 42 11 00-1135			Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0365)</small>		
	33 42 11 00-1136			1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
	33 42 11 00-1137			18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1136)</small>		
	33 42 11 00-1138	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	19.02 1.84	4.72
	33 42 11 00-1139	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	24.46 2.50	5.89
	33 42 11 00-1140	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	31.65 3.29	7.07
	33 42 11 00-1141			16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1136)</small>		
	33 42 11 00-1142	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	21.13 1.82	4.72
	33 42 11 00-1143	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	27.44 2.50	5.89
	33 42 11 00-1144	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	35.63 3.29	7.07
	33 42 11 00-1145			2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
	33 42 11 00-1146			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1145)</small>		
	33 42 11 00-1147	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	36.72 3.62	8.26
	33 42 11 00-1148	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	42.33 4.54	8.65
	33 42 11 00-1149	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	48.26 5.52	9.44
	33 42 11 00-1150	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	55.50 6.59	10.22
	33 42 11 00-1151	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	61.97 7.47	11.01
	33 42 11 00-1152			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1145)</small>		
	33 42 11 00-1153	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	41.25 3.54	8.26
	33 42 11 00-1154	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	48.09 4.46	8.65
	33 42 11 00-1155	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	55.17 5.40	9.44
	33 42 11 00-1156	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	63.51 6.42	10.22
	33 42 11 00-1157	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	71.16 7.29	11.01
	33 42 11 00-1158	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	92.60 9.34	14.16

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1159	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	117.94 11.62	18.35
33 42 11 00-1160			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1145)</small>		
33 42 11 00-1161	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	88.75 6.92	11.01
33 42 11 00-1162	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	114.49 8.80	14.16
33 42 11 00-1163	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	144.23 10.85	18.35
33 42 11 00-1164	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	166.32 12.76	21.68
33 42 11 00-1165	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	188.10 14.44	25.02
33 42 11 00-1166	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	221.28 17.13	28.35
33 42 11 00-1167			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1145)</small>		
33 42 11 00-1168	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	172.25 10.67	18.35
33 42 11 00-1169	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	198.96 12.52	21.68
33 42 11 00-1170	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	225.51 14.21	25.02
33 42 11 00-1171	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	263.36 16.67	28.35
33 42 11 00-1172	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	289.54 18.37	30.02
33 42 11 00-1173			3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1135)</small>		
33 42 11 00-1174			16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1173)</small>		
33 42 11 00-1175	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	91.17	14.16
33 42 11 00-1176	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	116.16	18.35
33 42 11 00-1177	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	132.99	21.68
33 42 11 00-1178	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	150.60	25.02
33 42 11 00-1179	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	177.83	28.35
33 42 11 00-1180			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1173)</small>		
33 42 11 00-1181	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	102.70	14.16
33 42 11 00-1182	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	132.61	18.35
33 42 11 00-1183	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	152.08	21.68
33 42 11 00-1184	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	171.43	25.02
33 42 11 00-1185	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	202.24	28.35
33 42 11 00-1186	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	221.12	30.02
33 42 11 00-1187	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	268.97	36.69
33 42 11 00-1188	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	317.36	53.37
33 42 11 00-1189	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	342.12	58.37
33 42 11 00-1190			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1173)</small>		
33 42 11 00-1191	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	129.62	14.16
33 42 11 00-1192	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	162.88	18.35
33 42 11 00-1193	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	188.25	21.68
33 42 11 00-1194	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	212.92	25.02
33 42 11 00-1195	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	248.81	28.35
33 42 11 00-1196	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	272.70	30.02
33 42 11 00-1197	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	325.52	36.69
33 42 11 00-1198	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	379.04	53.37
33 42 11 00-1199	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	408.84	58.37
33 42 11 00-1200	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	436.45	62.54
33 42 11 00-1201	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	463.98	66.71
33 42 11 00-1202	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	492.13	70.88
33 42 11 00-1203			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1173)</small>		
33 42 11 00-1204	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	326.94	30.02
33 42 11 00-1205	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	382.90	36.69
33 42 11 00-1206	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	441.57	53.37
33 42 11 00-1207	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	476.52	58.37
33 42 11 00-1208	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	509.20	62.54
33 42 11 00-1209	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	541.87	66.71
33 42 11 00-1210	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	575.13	70.88
33 42 11 00-1211	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	610.78	75.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1212	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	648.29	83.99
33 42 11 00-1213		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1135)		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1214		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1213)		
33 42 11 00-1215	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.78	9.44
33 42 11 00-1216	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	68.60	10.22
33 42 11 00-1217	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.60	11.01
33 42 11 00-1218	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.37	12.58
33 42 11 00-1219	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.97	14.16
33 42 11 00-1220	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	119.27	15.73
33 42 11 00-1221		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1213)		
33 42 11 00-1222	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	73.53	9.44
33 42 11 00-1223	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	84.95	10.22
33 42 11 00-1224	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.71	11.01
33 42 11 00-1225	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.09	12.58
33 42 11 00-1226	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.29	14.16
33 42 11 00-1227	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	137.26	15.73
33 42 11 00-1228	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.00	18.35
33 42 11 00-1229	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.86	21.68
33 42 11 00-1230	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.38	25.02
33 42 11 00-1231		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1213)		
33 42 11 00-1232	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.21	14.16
33 42 11 00-1233	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.30	15.73
33 42 11 00-1234	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.28	18.35
33 42 11 00-1235	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	223.56	21.68
33 42 11 00-1236	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	253.47	25.02
33 42 11 00-1237	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	350.29	28.35
33 42 11 00-1238	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.51	30.02
33 42 11 00-1239		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1213)		
33 42 11 00-1240	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.56	25.02
33 42 11 00-1241	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.47	28.35
33 42 11 00-1242	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	456.89	30.02
33 42 11 00-1243	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	530.88	36.69
33 42 11 00-1244	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	601.85	53.37
33 42 11 00-1245	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	649.68	58.37
33 42 11 00-1246	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	694.85	62.54
33 42 11 00-1247		Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-0365)		
33 42 11 00-1248		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1247)		
33 42 11 00-1249		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1248)		
33 42 11 00-1250	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	44.39	8.65
		<i>For Bituminous Coated Pipe, Add</i>	4.55	
33 42 11 00-1251	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	50.21	9.44
		<i>For Bituminous Coated Pipe, Add</i>	5.44	
33 42 11 00-1252	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	57.72	10.22
		<i>For Bituminous Coated Pipe, Add</i>	6.47	
33 42 11 00-1253		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1248)		
33 42 11 00-1254	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	50.17	8.65
		<i>For Bituminous Coated Pipe, Add</i>	4.54	
33 42 11 00-1255	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	55.75	9.44
		<i>For Bituminous Coated Pipe, Add</i>	5.23	
33 42 11 00-1256	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	65.73	10.22
		<i>For Bituminous Coated Pipe, Add</i>	6.42	
33 42 11 00-1257	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	74.18	11.01
		<i>For Bituminous Coated Pipe, Add</i>	7.37	
33 42 11 00-1258	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	95.60	14.16
		<i>For Bituminous Coated Pipe, Add</i>	9.32	
33 42 11 00-1259		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1248)		
33 42 11 00-1260	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	91.77	11.01
		<i>For Bituminous Coated Pipe, Add</i>	7.02	
33 42 11 00-1261	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	117.54	14.16
		<i>For Bituminous Coated Pipe, Add</i>	8.85	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1262	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	149.40 11.05	18.35
33 42 11 00-1263	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	173.12 13.07	21.68
33 42 11 00-1264			10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1246)</small>		
33 42 11 00-1265	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	177.38 10.66	18.35
33 42 11 00-1266	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	205.82 12.58	21.68
33 42 11 00-1267	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	239.28 14.74	25.02
33 42 11 00-1268	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	267.89 16.40	28.35
33 42 11 00-1269			3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1247)</small>		
33 42 11 00-1270			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1269)</small>		
33 42 11 00-1271	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	206.76	28.35
33 42 11 00-1272	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	226.39	30.02
33 42 11 00-1273	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	275.47	36.69
33 42 11 00-1274			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1269)</small>		
33 42 11 00-1275	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	253.33	28.35
33 42 11 00-1276	LF		73" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	277.96	30.02
33 42 11 00-1277	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	331.79	36.69
33 42 11 00-1278	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	385.79	53.37
33 42 11 00-1279	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	416.07	58.37
33 42 11 00-1280	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	444.16	62.54
33 42 11 00-1281			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1269)</small>		
33 42 11 00-1282	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	332.12	30.02
33 42 11 00-1283	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	388.94	36.69
33 42 11 00-1284	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	448.07	53.37
33 42 11 00-1285	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	483.50	58.37
33 42 11 00-1286	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	516.66	62.54
33 42 11 00-1287	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	549.79	66.71
33 42 11 00-1288			Corrugated Steel Pipe Fittings <small>(33 42 11 00-0365)</small> Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1289			Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1288)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1290	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	66.05	
33 42 11 00-1291	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	82.83	
33 42 11 00-1292	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe).....	99.61	
33 42 11 00-1293	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	117.45	
33 42 11 00-1294	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	142.60	
33 42 11 00-1295	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	167.75	
33 42 11 00-1296	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	192.92	
33 42 11 00-1297	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	218.08	
33 42 11 00-1298	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	284.14	
33 42 11 00-1299	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	338.65	
33 42 11 00-1300	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	393.18	
33 42 11 00-1301	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	508.51	
33 42 11 00-1302	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	573.53	
33 42 11 00-1303	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	640.64	
33 42 11 00-1304	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	709.83	
33 42 11 00-1305	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	865.00	
33 42 11 00-1306	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	943.63	
33 42 11 00-1307	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,024.36	
33 42 11 00-1308	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,257.12	
33 42 11 00-1309	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,349.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1310	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,442.72	
33 42 11 00-1311	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,536.03	
33 42 11 00-1312	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,628.29	
33 42 11 00-1313	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,721.61	
33 42 11 00-1314	EA		Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,819.99	
33 42 11 00-1315	EA		Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,924.01	
33 42 11 00-1316	EA		Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,033.93	

33 42 11 00-1317 Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1288)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1318	EA		Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	85.97	
33 42 11 00-1319	EA		Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	110.09	
33 42 11 00-1320	EA		Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	134.19	
33 42 11 00-1321	EA		Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	158.32	
33 42 11 00-1322	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	192.92	
33 42 11 00-1323	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	228.56	
33 42 11 00-1324	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	264.24	
33 42 11 00-1325	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	299.85	
33 42 11 00-1326	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	393.18	
33 42 11 00-1327	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	468.68	
33 42 11 00-1328	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	545.20	
33 42 11 00-1329	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	707.71	
33 42 11 00-1330	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	796.84	
33 42 11 00-1331	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	889.10	
33 42 11 00-1332	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	983.47	
33 42 11 00-1333	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,199.45	
33 42 11 00-1334	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,306.42	
33 42 11 00-1335	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,415.45	
33 42 11 00-1336	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,741.51	
33 42 11 00-1337	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,866.29	
33 42 11 00-1338	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,991.06	
33 42 11 00-1339	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,116.87	
33 42 11 00-1340	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,242.70	
33 42 11 00-1341	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,367.45	
33 42 11 00-1342	EA		Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	2,499.15	
33 42 11 00-1343	EA		Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,638.18	
33 42 11 00-1344	EA		Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,784.93	

33 42 11 00-1345 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1288)

Note: Applied to pipe tasks.

33 42 11 00-1346	EA		Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	33.26	
33 42 11 00-1347	EA		Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	41.84	
33 42 11 00-1348	EA		Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	52.64	
33 42 11 00-1349	EA		Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	64.46	
33 42 11 00-1350	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	81.56	
33 42 11 00-1351	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	99.87	
33 42 11 00-1352	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	116.98	
33 42 11 00-1353	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	135.91	
33 42 11 00-1354	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	166.93	
33 42 11 00-1355	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	199.03	
33 42 11 00-1356	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	237.48	
33 42 11 00-1357	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	292.13	
33 42 11 00-1358	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	330.66	
33 42 11 00-1359	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	372.37	
33 42 11 00-1360	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	451.57	
33 42 11 00-1361	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	500.78	
33 42 11 00-1362	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	611.00	
33 42 11 00-1363	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	665.60	
33 42 11 00-1364	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	723.40	
33 42 11 00-1365	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	780.07	

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-1366	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	837.86		
33 42 11 00-1367	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	896.70		
33 42 11 00-1368	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	954.51		
33 42 11 00-1369	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,012.28		
33 42 11 00-1370	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,073.54		
33 42 11 00-1371	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,138.51		
33 42 11 00-1372	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,207.42		
33 42 11 00-1373	Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1288)				
33 42 11 00-1374	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	10.54		
		<i>For Bituminous Coated, Add</i>	3.06		
33 42 11 00-1375	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	13.99		
		<i>For Bituminous Coated, Add</i>	4.06		
33 42 11 00-1376	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	17.63		
		<i>For Bituminous Coated, Add</i>	5.11		
33 42 11 00-1377	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	29.26		
		<i>For Bituminous Coated, Add</i>	8.49		
33 42 11 00-1378	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	36.89		
		<i>For Bituminous Coated, Add</i>	10.70		
33 42 11 00-1379	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	54.12		
		<i>For Bituminous Coated, Add</i>	15.69		
33 42 11 00-1380	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	64.24		
		<i>For Bituminous Coated, Add</i>	18.63		
33 42 11 00-1381	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	72.84		
		<i>For Bituminous Coated, Add</i>	21.12		
33 42 11 00-1382	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	126.05		
		<i>For Bituminous Coated, Add</i>	36.55		
33 42 11 00-1383	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	201.67		
		<i>For Bituminous Coated, Add</i>	48.40		
33 42 11 00-1384	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	236.96		
		<i>For Bituminous Coated, Add</i>	56.87		
33 42 11 00-1385	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	265.52		
		<i>For Bituminous Coated, Add</i>	63.72		
33 42 11 00-1386	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	376.55		
		<i>For Bituminous Coated, Add</i>	90.37		
33 42 11 00-1387	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	538.58		
		<i>For Bituminous Coated, Add</i>	96.94		
33 42 11 00-1388	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	661.90		
		<i>For Bituminous Coated, Add</i>	119.14		
33 42 11 00-1389	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	850.25		
		<i>For Bituminous Coated, Add</i>	119.04		
33 42 11 00-1390	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	909.40		
		<i>For Bituminous Coated, Add</i>	127.32		
33 42 11 00-1391	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	968.88		
		<i>For Bituminous Coated, Add</i>	135.64		
33 42 11 00-1392	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,028.06		
		<i>For Bituminous Coated, Add</i>	143.93		
33 42 11 00-1393	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,087.39		
		<i>For Bituminous Coated, Add</i>	152.23		
33 42 11 00-1394	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,146.87		
		<i>For Bituminous Coated, Add</i>	160.56		
33 42 11 00-1395	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,206.08		
		<i>For Bituminous Coated, Add</i>	168.85		
33 42 11 00-1396	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,428.47		
		<i>For Bituminous Coated, Add</i>	171.42		
33 42 11 00-1397	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,324.41		
		<i>For Bituminous Coated, Add</i>	158.93		
33 42 11 00-1398	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,383.43		
		<i>For Bituminous Coated, Add</i>	166.01		
33 42 11 00-1399	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,442.89		
		<i>For Bituminous Coated, Add</i>	173.15		
33 42 11 00-1400	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,502.40		
		<i>For Bituminous Coated, Add</i>	180.29		
33 42 13	Stormwater Culverts (33 42)				
33 42 13 13	Precast Concrete Stormwater Culverts (33 42 13)				
33 42 13 13-0001	Precast Reinforced Concrete Box Culvert (33 42 13 13)				
	Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.				
33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	517.50		41.70
		<i>For Each LF Of Cut-Off Section, Add</i>	20.70		
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	590.40		41.70
		<i>For Each LF Of Cut-Off Section, Add</i>	23.62		
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	708.15		41.70
		<i>For Each LF Of Cut-Off Section, Add</i>	28.33		
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	847.33		52.12
		<i>For Each LF Of Cut-Off Section, Add</i>	33.89		
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	869.76		52.12
		<i>For Each LF Of Cut-Off Section, Add</i>	34.79		
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	880.98		52.12
		<i>For Each LF Of Cut-Off Section, Add</i>	35.24		
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	907.69		54.20
		<i>For Each LF Of Cut-Off Section, Add</i>	36.31		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0009	LF	6' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	913.30 36.53	54.20
33 42 13 13-0010	LF	6' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,014.24 40.57	54.20
33 42 13 13-0011	LF	7' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,031.39 41.26	62.54
33 42 13 13-0012	LF	7' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,077.67 43.11	85.06
33 42 13 13-0013	LF	8' x 2'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,019.85 40.79	54.20
33 42 13 13-0014	LF	8' x 3'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,037.00 41.48	62.54
33 42 13 13-0015	LF	8' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,053.82 42.15	62.54
33 42 13 13-0016	LF	8' x 5'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,260.41 50.42	83.39
33 42 13 13-0017	LF	8' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,264.89 50.60	83.39
33 42 13 13-0018	LF	8' x 8'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,382.90 55.32	104.24
33 42 13 13-0019	LF	9' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,405.08 56.20	83.39
33 42 13 13-0020	LF	9' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,464.77 58.59	104.24
33 42 13 13-0021	LF	10' x 3'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,470.38 58.82	104.24
33 42 13 13-0022	LF	10' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,818.04 72.72	104.24
33 42 13 13-0023	LF	10' x 5'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,883.33 75.33	125.08
33 42 13 13-0024	LF	10' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,905.75 76.23	125.08
33 42 13 13-0025	LF	10' x 7'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,911.36 76.45	125.08
33 42 13 13-0026	LF	10' x 8'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,919.21 76.77	125.08
33 42 13 13-0027	LF	12' x 3'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,971.05 78.84	145.93
33 42 13 13-0028	LF	12' x 4'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,971.05 78.84	145.93
33 42 13 13-0029	LF	12' x 6'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,971.05 78.84	145.93
33 42 13 13-0030	LF	12' x 8'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,971.05 78.84	145.93
33 42 13 13-0031	LF	16' x 10'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	2,933.53 117.34	166.77
33 42 13 13-0032	LF	24' x 10'	Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	4,167.19 166.69	166.77

33 42 13 13-0033

Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,376.01 55.04	41.70
33 42 13 13-0035	LF	4' x 2'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,483.73 59.35	41.70
33 42 13 13-0036	LF	4' x 3'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,674.37 66.97	41.70
33 42 13 13-0037	LF	5' x 3'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,886.39 75.46	52.12
33 42 13 13-0038	LF	5' x 4'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,077.03 83.08	52.12
33 42 13 13-0039	LF	5' x 5'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,267.68 90.71	52.12
33 42 13 13-0040	LF	6' x 3'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,081.32 83.25	54.20
33 42 13 13-0041	LF	6' x 4'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,271.97 90.88	54.20
33 42 13 13-0042	LF	6' x 6'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,653.25 106.13	54.20
33 42 13 13-0043	LF	7' x 4'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,479.76 99.19	62.54
33 42 13 13-0044	LF	7' x 6'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,907.28 116.29	85.06
33 42 13 13-0045	LF	8' x 2'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,271.97 90.88	54.20
33 42 13 13-0046	LF	8' x 3'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,479.76 99.19	62.54
33 42 13 13-0047	LF	8' x 4'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,670.40 106.82	62.54
33 42 13 13-0048	LF	8' x 5'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,903.85 116.15	83.39
33 42 13 13-0049	LF	8' x 6'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,094.50 123.78	83.39
33 42 13 13-0050	LF	8' x 8'	Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,518.65 140.75	104.24

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Table with 3 columns: Item ID, Description, Total Direct Unit Cost, Demolition Unit Cost. Rows include various precast reinforced concrete box culverts for roadways with different dimensions and quantities.

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001 Headwalls (33 42 23)
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Precast Concrete Headwalls (33 42 23 00-0001)

Table with 3 columns: Item ID, Description, Total Direct Unit Cost, Demolition Unit Cost. Rows list precast concrete headwalls for various pipe diameters (12" to 84").

33 42 23 00-0015 Precast Concrete Wingwalls (33 42 23 00-0001)

Table with 3 columns: Item ID, Description, Total Direct Unit Cost, Demolition Unit Cost. Rows list precast concrete wingwalls for various pipe diameters (18" to 52") and hole sizes.

33 42 23 00-0024 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)

Table with 3 columns: Item ID, Description, Total Direct Unit Cost, Demolition Unit Cost. Row lists a 34" x 48" x 28" precast concrete transverse drainage interceptor.

33 42 26 End Sections for Stormwater Piping (33 42)

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

Table with 3 columns: Item ID, Description, Total Direct Unit Cost, Demolition Unit Cost. Rows list various types of galvanized corrugated steel pipe end sections (Type 1) for different gauge sizes (12" to 24").

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)
 Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	632.76	84.54
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	820.29	100.07
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,257.61	116.74
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,536.04	133.42
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,830.05	166.77
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	2,137.35	200.13

33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)
 Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	226.43	55.05
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	261.34	58.98
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	308.51	62.92
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	373.18	68.81
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	413.82	74.71
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	695.81	84.54
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	898.01	100.07
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,428.58	116.74
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,756.67	133.42
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,053.17	166.77
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,844.02	200.13
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,230.39	300.20
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,782.00	400.26
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,119.37	429.45
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,464.92	458.64

33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)

33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	28.32	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	31.54	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	35.50	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	38.60	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	43.19	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	75.30	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	81.03	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	110.85	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	118.69	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	144.90	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	148.48	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	158.62	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	180.79	
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	202.19	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	207.23	

33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)
33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)
 Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	251.53	58.98
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	293.42	62.92
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	355.07	68.81

33 42 26 16-0053 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)
 Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0054 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	243.29	58.98
33 42 26 16-0055 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	278.19	62.92
33 42 26 16-0056 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	311.46	68.81
33 42 26 16-0057 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	351.64	74.71
33 42 26 16-0058 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section.....	514.04	84.54
33 42 26 16-0059 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	748.37	100.07
33 42 26 16-0060 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,163.75	116.74
33 42 26 16-0061 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,473.49	133.42

33 42 26 16-0062 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)
 Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0063 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	247.47	58.98
33 42 26 16-0064 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	287.27	62.92
33 42 26 16-0065 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	325.67	68.81
33 42 26 16-0066 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	368.48	74.71
33 42 26 16-0067 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	542.66	84.54
33 42 26 16-0068 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	787.41	100.07
33 42 26 16-0069 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,226.20	116.74
33 42 26 16-0070 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,545.36	133.42
33 42 26 16-0071 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,859.58	166.77
33 42 26 16-0072 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,443.96	200.13
33 42 26 16-0073 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,411.72	300.20
33 42 26 16-0074 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,779.57	400.26

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0075 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0048)</small>					
33 42 26 16-0076	EA		Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	31.54	
33 42 26 16-0077	EA		Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	35.50	
33 42 26 16-0078	EA		Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	38.60	
33 42 26 16-0079	EA		Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	43.19	
33 42 26 16-0080	EA		Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	75.30	
33 42 26 16-0081	EA		Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	81.03	
33 42 26 16-0082	EA		Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	110.85	
33 42 26 16-0083	EA		Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	123.41	
33 42 26 16-0084	EA		Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	144.90	
33 42 26 16-0085	EA		Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	150.36	
33 42 26 16-0086	EA		Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	173.94	
33 42 26 16-0087	EA		Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	197.66	
33 42 26 16-0088 Corrugated Aluminum Pipe End Sections <small>(33 42 26 16-0001)</small>					
33 42 26 16-0089 Corrugated Aluminum Pipe End Sections <small>(33 42 26 16-0088)</small>					
33 42 26 16-0090	EA		12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	327.78	55.05
33 42 26 16-0091	EA		15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	377.79	58.98
33 42 26 16-0092	EA		18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	447.94	62.92
33 42 26 16-0093	EA		21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	555.39	68.81
33 42 26 16-0094	EA		24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	725.50	74.71
33 42 26 16-0095	EA		30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,088.16	84.54
33 42 26 16-0096	EA		36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,478.71	100.07
33 42 26 16-0097	EA		36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,841.51	100.07
33 42 26 16-0098	EA		42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,349.10	116.74
33 42 26 16-0099	EA		48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,353.90	133.42
33 42 26 16-0100	EA		54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,714.46	166.77
33 42 26 16-0101	EA		60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,007.27	200.13
33 42 26 16-0102	EA		66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,669.17	300.20
33 42 26 16-0103	EA		72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,629.24	400.26
33 42 26 16-0104	EA		78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,240.51	429.45
33 42 26 16-0105	EA		84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,639.89	458.64
33 42 26 16-0106	EA		90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,456.14	500.33
33 42 26 16-0107	EA		96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,575.75	542.03
33 42 26 16-0108 Toe Plate Extensions For Corrugated Aluminum Pipe End Section <small>(33 42 26 16-0088)</small>					
33 42 26 16-0109	EA		Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	51.30	
33 42 26 16-0110	EA		Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	54.42	
33 42 26 16-0111	EA		Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	59.05	
33 42 26 16-0112	EA		Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	66.51	
33 42 26 16-0113	EA		Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	70.54	
33 42 26 16-0114	EA		Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	91.34	
33 42 26 16-0115	EA		Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	108.87	
33 42 26 16-0116	EA		Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	114.93	
33 42 26 16-0117	EA		Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	126.07	
33 42 26 16-0118	EA		Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	142.50	
33 42 26 16-0119	EA		Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	168.54	
33 42 26 16-0120	EA		Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	236.10	
33 42 26 16-0121	EA		Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	254.24	
33 42 26 16-0122	EA		Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	322.01	
33 42 26 16-0123	EA		Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	348.44	
33 42 26 16-0124	EA		Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	371.27	
33 42 26 16-0125	EA		Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	395.27	
33 42 26 16-0126	EA		Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	419.56	
33 42 26 16-0127 Corrugated Aluminum Pipe-Arch End Sections <small>(33 42 26 16-0001)</small>					
33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections <small>(33 42 26 16-0127)</small>					
33 42 26 16-0129	EA		17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	389.52	58.98
33 42 26 16-0130	EA		21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	476.52	62.92
33 42 26 16-0131	EA		24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	517.47	68.81
33 42 26 16-0132	EA		28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	558.39	74.71
33 42 26 16-0133	EA		35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	837.50	84.54
33 42 26 16-0134	EA		42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,495.39	100.07
33 42 26 16-0135	EA		42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,587.37	100.07
33 42 26 16-0136	EA		49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,122.23	116.74
33 42 26 16-0137	EA		57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,265.55	133.42
33 42 26 16-0138	EA		64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,738.45	166.77
33 42 26 16-0139	EA		71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,520.14	200.13
33 42 26 16-0140	EA		77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,573.27	300.20
33 42 26 16-0141	EA		83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,946.10	400.26
33 42 26 16-0142	EA		87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,652.12	429.45
33 42 26 16-0143	EA		95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,030.31	458.64
33 42 26 16-0144	EA		103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,843.09	500.33
33 42 26 16-0145	EA		112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	10,427.20	542.03
33 42 26 16-0146 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section <small>(33 42 26 16-0127)</small>					
33 42 26 16-0147	EA		Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	54.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0148	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	59.05	
33 42 26 16-0149	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	62.27	
33 42 26 16-0150	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	68.21	
33 42 26 16-0151	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	78.01	
33 42 26 16-0152	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	101.21	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	110.87	
33 42 26 16-0154	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	126.07	
33 42 26 16-0155	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	142.50	
33 42 26 16-0156	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	168.54	
33 42 26 16-0157	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	214.62	
33 42 26 16-0158	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	272.23	
33 42 26 16-0159	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	366.98	
33 42 26 16-0160	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	416.90	
33 42 26 16-0161	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	436.57	
33 42 26 16-0162	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	452.57	
33 42 26 16-0163	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	472.19	

33 42 26 16-0164 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)

33 42 26 16-0165 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)

33 42 26 16-0166	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	502.14	58.98
33 42 26 16-0167	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	647.25	62.92
33 42 26 16-0168	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	792.92	68.81
33 42 26 16-0169	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	948.93	74.71
33 42 26 16-0170	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,003.70	84.54
33 42 26 16-0171	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,311.41	100.07
33 42 26 16-0172	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,076.91	116.74

33 42 26 16-0173 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)

Note: Includes nut and bolt set.

33 42 26 16-0174	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	358.48	
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	720.23	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	790.37	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	821.62	

33 42 26 16-0178 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)

33 42 26 16-0179	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	525.96	58.98
33 42 26 16-0180	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	690.10	62.92
33 42 26 16-0181	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	919.01	68.81
33 42 26 16-0182	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,079.99	74.71
33 42 26 16-0183	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,281.91	84.54
33 42 26 16-0184	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,556.96	100.07
33 42 26 16-0185	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,384.14	116.74

33 42 26 16-0186 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)

Note: Includes nut and bolt set.

33 42 26 16-0187	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	699.07	
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	741.85	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	815.93	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	857.01	

33 42 26 16-0191 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0164)

33 42 26 16-0192	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	60.73	
33 42 26 16-0193	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	68.21	
33 42 26 16-0194	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	74.25	
33 42 26 16-0195	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	82.93	
33 42 26 16-0196	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	125.59	
33 42 26 16-0197	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	134.79	
33 42 26 16-0198	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	181.14	

33 42 26 16-0199 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)

33 42 26 16-0200 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0199)

33 42 26 16-0201	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	597.07	62.92
33 42 26 16-0202	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	749.68	68.81
33 42 26 16-0203	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	887.71	74.71
33 42 26 16-0204	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,675.84	84.54

33 42 26 16-0205 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0199)

Note: Includes nut and bolt set.

33 42 26 16-0206	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	427.32	
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	779.87	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	821.62	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,210.05	
33 42 26 16-0210 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0199)		
33 42 26 16-0211 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	61.37	
33 42 26 16-0212 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	69.67	
33 42 26 16-0213 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	75.95	
33 42 26 16-0214 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	90.40	
33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)		
33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)		
33 42 26 19-0002 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	185.09	44.73
33 42 26 19-0003 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	220.31	50.32
33 42 26 19-0004 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	233.74	54.05
33 42 26 19-0005 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	279.31	59.64
33 42 26 19-0006 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	362.01	70.82
33 42 26 19-0007 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	758.37	80.14
33 42 26 19-0008 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	926.53	89.45
33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)		
33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)		
33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section	443.55	92.25
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section	591.70	114.19
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section	733.86	144.55
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section	844.86	172.85
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section	904.30	200.07
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section	1,142.97	248.50
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section	1,431.19	373.25
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section	1,770.96	470.98
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section	2,150.66	590.80
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section	2,364.32	666.27
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section	2,586.34	746.33
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section	2,814.26	829.71
33 42 26 23-0015 Flared Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0016 EA 12" Diameter Pipe, Flared Precast Concrete End Section	550.02	97.15
33 42 26 23-0017 EA 15" Diameter Pipe, Flared Precast Concrete End Section	663.63	121.08
33 42 26 23-0018 EA 18" Diameter Pipe, Flared Precast Concrete End Section	808.10	153.27
33 42 26 23-0019 EA 21" Diameter Pipe, Flared Precast Concrete End Section	926.51	183.28
33 42 26 23-0020 EA 24" Diameter Pipe, Flared Precast Concrete End Section	1,126.15	212.14
33 42 26 23-0021 EA 27" Diameter Pipe, Flared Precast Concrete End Section	1,389.96	338.81
33 42 26 23-0022 EA 30" Diameter Pipe, Flared Precast Concrete End Section	1,489.96	466.48
33 42 26 23-0023 EA 36" Diameter Pipe, Flared Precast Concrete End Section	1,997.09	588.72
33 42 26 23-0024 EA 42" Diameter Pipe, Flared Precast Concrete End Section	2,408.83	738.65
33 42 26 23-0025 EA 48" Diameter Pipe, Flared Precast Concrete End Section	2,619.50	833.05
33 42 26 23-0026 EA 54" Diameter Pipe, Flared Precast Concrete End Section	2,930.41	933.03
33 42 26 23-0027 EA 60" Diameter Pipe, Flared Precast Concrete End Section	3,247.91	1,036.35
33 42 31 Stormwater Area Drains and Inlets (33 42)		
33 42 31 00-0001 Storm Drains (33 42 31)		
33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Catch Basin (33 42 31 00-0002)		
Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").		
33 42 31 00-0004 EA 8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate	262.53	
33 42 31 00-0005 EA 8" Diameter Basin Up To 3' 6" Rim To Invert Dimension	373.42	
For Each Additional 1' Or Part, Add	9.00	
33 42 31 00-0006 EA 10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only	368.62	
33 42 31 00-0007 EA 10" Diameter Basin Up To 3' 6" Rim To Invert Dimension	509.68	
For Each Additional 1' Or Part, Add	11.04	
33 42 31 00-0008 EA 12" Locking Ductile Grate 24" Standard Height	943.18	
For Each Additional 1' Or Part, Add	18.19	
33 42 31 00-0009 EA 15" Locking Ductile Grate 30" Standard Height	1,230.84	
For Each Additional 1' Or Part, Add	28.90	
33 42 31 00-0010 EA 18" Locking Ductile Grate 36" Standard Height	1,392.80	
For Each Additional 1' Or Part, Add	22.70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0011	EA 24" Locking Ductile Grate 36" Standard Height For Each Additional 1' Or Part, Add	2,064.49 38.00	
33 42 31 00-0012	EA 30" Locking Ductile Grate 48" Standard Height For Each Additional 1' Or Part, Add	3,656.00 66.00	

33 42 31 00-0013 Catch Basin Frames And Covers (33 42 31 00-0001)
Note: Syracuse Castings

33 42 31 00-0014 Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates (33 42 31 00-0013)

33 42 31 00-0015 Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates (33 42 31 00-0014)

33 42 31 00-0016	EA 1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #1)	281.28	95.23
33 42 31 00-0017	EA 1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #2)	315.46	113.01
33 42 31 00-0018	EA 1'-11-15/16" x 3'-1-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #3)	297.22	95.40
33 42 31 00-0019	EA 1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #4)	347.88	99.04
33 42 31 00-0020	EA 1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #5)	362.31	134.26
33 42 31 00-0021	EA 2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #6)	290.99	100.65
33 42 31 00-0022	EA 2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #7)	332.85	120.12
33 42 31 00-0023	EA 2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #8)	372.04	139.50
33 42 31 00-0024	EA 2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #9)	300.72	105.98
33 42 31 00-0025	EA 2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #10)	323.13	114.78
33 42 31 00-0026	EA 2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #11)	347.88	125.37
33 42 31 00-0027	EA 2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #12)	315.82	95.40
33 42 31 00-0028	EA 2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #13)	381.76	144.83
33 42 31 00-0029	EA 2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #14)	335.51	120.12
33 42 31 00-0030	EA 2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #15)	357.61	130.70
33 42 31 00-0031	EA 2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #16)	394.14	150.09
33 42 31 00-0032	EA 2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #17)	313.16	95.40
33 42 31 00-0033	EA 3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #18)	377.36	139.50
33 42 31 00-0034	EA 3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #19)	342.57	125.37
33 42 31 00-0035	EA 3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #20)	313.16	95.40
33 42 31 00-0036	EA 3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #21)	384.42	144.83
33 42 31 00-0037	EA 3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #22)	406.82	153.64

33 42 31 00-0038 Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)

33 42 31 00-0039	EA 1'-10-11/16" x 2'-2-1/2", 79 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #1)	480.39	63.49
33 42 31 00-0040	EA 1'-10-11/16" x 2'-7-1/2", 88 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #2)	525.56	63.49
33 42 31 00-0041	EA 1'-10-11/16" x 3'-0-1/2", 94 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #3)	552.13	63.49
33 42 31 00-0042	EA 1'-10-11/16" x 3'-5-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #4)	637.06	74.07
33 42 31 00-0043	EA 1'-10-11/16" x 3'-10-1/2", 124 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #5)	719.44	74.07
33 42 31 00-0044	EA 2'-1-3/16" x 2'-2-1/2", 91 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #6)	528.22	63.49
33 42 31 00-0045	EA 2'-1-3/16" x 3'-0-1/2", 108 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #7)	631.75	74.07
33 42 31 00-0046	EA 2'-1-3/16" x 3'-10-1/2", 165 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #8)	801.71	84.65
33 42 31 00-0047	EA 2'-3-11/16" x 2'-2-1/2", 99 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #9)	552.13	63.49
33 42 31 00-0048	EA 2'-3-11/16" x 2'-7-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #10)	631.75	74.07
33 42 31 00-0049	EA 2'-3-3/16" x 3'-0-1/2", 117 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #11)	679.58	74.07
33 42 31 00-0050	EA 2'-3-11/16" x 3'-5-1/2", 128 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #12)	746.01	74.07
33 42 31 00-0051	EA 2'-3-11/16" x 3'-10-1/2", 180 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #13)	873.46	84.65
33 42 31 00-0052	EA 2'-6-3/16" x 2'-7-1/2", 121 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #14)	668.95	74.07
33 42 31 00-0053	EA 2'-6-3/16" x 3'-0-1/2", 130 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #15)	711.47	74.07
33 42 31 00-0054	EA 2'-6-3/16" x 3'-10-1/2", 201 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #16)	834.44	95.23
33 42 31 00-0055	EA 2'-8-11/16" x 3'-0-1/2", 145 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #17)	334.14	74.07
33 42 31 00-0056	EA 2'-11-3/16" x 3'-0-1/2", 155 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #18)	360.62	84.65
33 42 31 00-0057	EA 3'-1-11/16" x 2'-2-1/2", 133 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #19)	323.52	74.07
33 42 31 00-0058	EA 3'-1-11/16" x 2'-7-1/2", 146 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #20)	334.14	74.07
33 42 31 00-0059	EA 3'-1-11/16" x 3'-0-1/2", 171 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #21)	360.62	84.65
33 42 31 00-0060	EA 3'-1-11/16" x 3'-5-1/2", 185 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #22)	371.25	84.65

33 42 31 00-0061 Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)

33 42 31 00-0062	EA 1'-10-11/16" x 2'-2-1/2", 94 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #1)	522.90	63.49
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33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 31 00-0063	EA	1'-10-11/16" x 2'-7-1/2", 106 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #2)	581.26		74.07
33 42 31 00-0064	EA	1'-10-11/16" x 3'-0-1/2", 118 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #3)	615.81		74.07
33 42 31 00-0065	EA	1'-10-11/16" x 3'-5-1/2", 130 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #4)	642.38		74.07
33 42 31 00-0066	EA	1'-10-11/16" x 3'-10-1/2", 166 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #5)	769.83		84.65
33 42 31 00-0067	EA	2'-1-3/16" x 2'-2-1/2", 107 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #6)	583.92		74.07
33 42 31 00-0068	EA	2'-1-3/16" x 3'-0-1/2", 134 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #7)	674.27		74.07
33 42 31 00-0069	EA	2'-1-3/16" x 3'-10-1/2", 191 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #8)	870.80		84.65
33 42 31 00-0070	EA	2'-3-11/16" x 2'-2-1/2", 110 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #9)	623.78		74.07
33 42 31 00-0071	EA	2'-3-11/16" x 2'-7-1/2", 132 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #10)	679.58		74.07
33 42 31 00-0072	EA	2'-3-11/16" x 3'-0-1/2", 147 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #11)	706.15		74.07
33 42 31 00-0073	EA	2'-3-11/16" x 3'-5-1/2", 161 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #12)	788.43		84.65
33 42 31 00-0074	EA	2'-3-11/16" x 3'-10-1/2", 210 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #13)	907.90		95.23
33 42 31 00-0075	EA	2'-6-3/16" x 2'-7-1/2", 146 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #14)	722.10		74.07
33 42 31 00-0076	EA	2'-6-3/16" x 3'-0-1/2", 162 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #15)	777.80		84.65
33 42 31 00-0077	EA	2'-6-3/16" x 3'-10-1/2", 233 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #16)	979.65		95.23
33 42 31 00-0078	EA	2'-8-11/16" x 3'-0-1/2", 179 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #17)	873.46		84.65
33 42 31 00-0079	EA	2'-11-3/16" x 3'-0-1/2", 193 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #18)	884.09		84.65
33 42 31 00-0080	EA	3'-1-11/16" x 2'-2-1/2", 173 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #19)	852.20		84.65
33 42 31 00-0081	EA	3'-1-11/16" x 2'-7-1/2", 192 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #20)	908.00		84.65
33 42 31 00-0082	EA	3'-1-11/16" x 3'-0-1/2", 211 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #21)	969.02		95.23
33 42 31 00-0083	EA	3'-1-11/16" x 3'-5-1/2", 231 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #22)	1,014.19		95.23
33 42 31 00-0084		Galvanized Welded Steel Frames And Parallel Bar Grates (33 42 31 00-0013)			
33 42 31 00-0085		Galvanized Welded Steel Frames For Parallel Bar Grates (33 42 31 00-0084)			
33 42 31 00-0086	EA	1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #10FPCB)	378.49		148.40
33 42 31 00-0087	EA	2'-2-3/8" x 3'-11-1/2" Inside Dimension, 99 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #11FPCB)	432.42		174.89
33 42 31 00-0088	EA	2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #12FPCB)	466.90		190.72
33 42 31 00-0089		C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0084)			
		Note: For parallel bar grates. Add to price of frame.			
33 42 31 00-0090	EA	C150x16 Built-Up 113 LB Channel For NYSDOT #10PCB Frame	671.04		206.38
33 42 31 00-0091	EA	C150x16 Built-Up 128 LB Channel For NYSDOT #11PCB Frame	758.46		226.10
33 42 31 00-0092	EA	C150x16 Built-Up 125 LB Channel For NYSDOT #12PCB Frame	738.10		220.77
33 42 31 00-0093		Galvanized Welded Steel Parallel Bar Grates (33 42 31 00-0084)			
33 42 31 00-0094	EA	1'-11-11/2" x 3'-0-3/4" 200 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #10PCB)	748.47		95.23
33 42 31 00-0095	EA	2'-2" x 3'-10-3/4" 280 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #11PCB)	931.73		105.81
33 42 31 00-0096	EA	2'-9-1/2" x 3'-5-3/4" 320 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #12PCB)	1,093.71		116.40
33 42 31 00-0097		Cast Curb Inlet Frame With Galvanized Reticuline Grate (33 42 31 00-0013)			
33 42 31 00-0098	EA	2'-5-1/2" x 3'-5-1/2", 263 LB Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 LB Galvanized Reticuline Grate (NYS DOT F-1 Frame And G-1 Grate)	3,348.82		507.90
33 42 31 00-0099	EA	3'-3-1/2" x 3'-5-1/2", 315 LB Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 LB Galvanized Reticuline Grate (NYS DOT F-2 Frame And G-2 Grate)	3,688.56		550.22
33 42 31 00-0100	EA	4'-1-1/2" x 3'-5-1/2", 339 LB Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 LB Galvanized Reticuline Grate (NYS DOT F-3 Frame And G-3 Grate)	4,294.02		592.55
33 42 31 00-0101		Other Frames (33 42 31 00-0013)			
33 42 31 00-0102		Galvanized Welded Steel Frames For Rectangular And Reticuline Grates (33 42 31 00-0101)			
33 42 31 00-0103	EA	1'-11-15/16" x 3'-1-1/2", 69 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #3)	305.76		121.72
33 42 31 00-0104	EA	2'-2-7/16" x 2'-3-1/2", 61 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #6)	276.51		107.75
33 42 31 00-0105	EA	2'-4-15/16" x 2'-3-1/2", 64 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #9)	286.20		113.01
33 42 31 00-0106	EA	2'-4-15/16" x 3'-1-1/2", 75 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #11)	328.04		132.48
33 42 31 00-0107	EA	2'-5-7/16" x 3'-11-1/2", 88 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #16)	371.98		155.41
33 42 31 00-0108	EA	3'-2-15/16" x 3'-6-1/2", 91 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #22)	384.30		160.66
33 42 31 00-0109		C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0101)			
		Note: For rectangular and reticuline grates. Add to price of frame.			
33 42 31 00-0110	EA	C150x16 Built-Up 50 LB Channel For NYSDOT #3 Frame	505.69		88.29
33 42 31 00-0111	EA	C150x16 Built-Up 51 LB Channel For NYSDOT #6 Frame	503.85		88.88
33 42 31 00-0112	EA	C150x16 Built-Up 52 LB Channel For NYSDOT #9 Frame	507.75		91.84
33 42 31 00-0113	EA	C150x16 Built-Up 53 LB Channel For NYSDOT #11 Frame	544.64		93.63
33 42 31 00-0114	EA	C150x16 Built-Up 54 LB Channel For NYSDOT #16 Frame	655.65		97.18
33 42 31 00-0115	EA	C150x16 Built-Up 55 LB Channel For NYSDOT #22 Frame	645.02		97.18
33 42 31 00-0116		Yard Drain (33 42 31 00-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0117		Ductile Iron Grates <small>(33 42 31 00-0116)</small>			
		<small>Note: Not for traffic loading.</small>			
	33 42 31 00-0118	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	141.33	27.95
	33 42 31 00-0119	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	176.50	29.82
	33 42 31 00-0120	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	434.05	37.27
	33 42 31 00-0121	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	518.50	44.73

33 42 31 00-0122		Precast Concrete Rectangular Drainage Structure <small>(33 42 31 00-0001)</small>			
		<small>Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.</small>			

33 42 31 00-0123		Standard Drainage Structure Type A, 36" x 36" <small>(33 42 31 00-0122)</small>			
		<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
	33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	1,770.03	126.98
	33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	1,950.98	190.46
	33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	2,131.92	253.95
	33 42 31 00-0127	EA	>4' To 5' High Standard Drainage Structure Type A, 36" x 36"	2,312.86	317.44
	33 42 31 00-0128	EA	>5' To 6' High Standard Drainage Structure Type A, 36" x 36"	3,146.36	380.92
	33 42 31 00-0129	EA	>6' To 7' High Standard Drainage Structure Type A, 36" x 36"	3,327.30	444.41
	33 42 31 00-0130	EA	>7' To 8' High Standard Drainage Structure Type A, 36" x 36"	4,322.71	507.90
	33 42 31 00-0131	EA	>8' To 9' High Standard Drainage Structure Type A, 36" x 36"	4,520.83	571.39
	33 42 31 00-0132	EA	>9' To 10' High Standard Drainage Structure Type A, 36" x 36"	4,718.95	634.87
	33 42 31 00-0133	EA	>10' To 11' High Standard Drainage Structure Type A, 36" x 36"	4,917.06	698.36
	33 42 31 00-0134	EA	>11' To 12' High Standard Drainage Structure Type A, 36" x 36"	5,115.18	761.85

33 42 31 00-0135		Standard Drainage Structure Type B And E, 48" x 36" <small>(33 42 31 00-0122)</small>			
		<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
	33 42 31 00-0136	EA	Up To 2' High Standard Drainage Structure Type B And E, 48" x 36"	2,142.01	137.55
	33 42 31 00-0137	EA	>2' To 3' High Standard Drainage Structure Type B And E, 48" x 36"	2,328.10	198.72
	33 42 31 00-0138	EA	>3' To 4' High Standard Drainage Structure Type B And E, 48" x 36"	2,524.36	264.95
	33 42 31 00-0139	EA	>4' To 5' High Standard Drainage Structure Type B And E, 48" x 36"	2,720.62	331.19
	33 42 31 00-0140	EA	>5' To 6' High Standard Drainage Structure Type B And E, 48" x 36"	3,851.55	397.85
	33 42 31 00-0141	EA	>6' To 7' High Standard Drainage Structure Type B And E, 48" x 36"	4,047.81	465.58
	33 42 31 00-0142	EA	>7' To 8' High Standard Drainage Structure Type B And E, 48" x 36"	4,739.61	529.07
	33 42 31 00-0143	EA	>8' To 9' High Standard Drainage Structure Type B And E, 48" x 36"	4,953.05	592.55
	33 42 31 00-0144	EA	>9' To 10' High Standard Drainage Structure Type B And E, 48" x 36"	5,166.48	662.81
	33 42 31 00-0145	EA	>10' To 11' High Standard Drainage Structure Type B And E, 48" x 36"	5,379.92	727.99
	33 42 31 00-0146	EA	>11' To 12' High Standard Drainage Structure Type B And E, 48" x 36"	5,593.35	795.71

33 42 31 00-0147		Standard Drainage Structure Type C And I, 60" x 36" <small>(33 42 31 00-0122)</small>			
		<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
	33 42 31 00-0148	EA	Up To 2' High Standard Drainage Structure Type C And I, 60" x 36"	3,208.47	139.67
	33 42 31 00-0149	EA	>2' To 3' High Standard Drainage Structure Type C And I, 60" x 36"	3,419.28	209.51
	33 42 31 00-0150	EA	>3' To 4' High Standard Drainage Structure Type C And I, 60" x 36"	3,630.10	279.35
	33 42 31 00-0151	EA	>4' To 5' High Standard Drainage Structure Type C And I, 60" x 36"	3,840.91	349.18
	33 42 31 00-0152	EA	>5' To 6' High Standard Drainage Structure Type C And I, 60" x 36"	4,051.72	419.02
	33 42 31 00-0153	EA	>6' To 7' High Standard Drainage Structure Type C And I, 60" x 36"	6,107.35	488.85
	33 42 31 00-0154	EA	>7' To 8' High Standard Drainage Structure Type C And I, 60" x 36"	7,794.99	558.69
	33 42 31 00-0155	EA	>8' To 9' High Standard Drainage Structure Type C And I, 60" x 36"	8,018.07	628.53
	33 42 31 00-0156	EA	>9' To 10' High Standard Drainage Structure Type C And I, 60" x 36"	8,241.15	698.36
	33 42 31 00-0157	EA	>10' To 11' High Standard Drainage Structure Type C And I, 60" x 36"	8,464.24	768.20
	33 42 31 00-0158	EA	>11' To 12' High Standard Drainage Structure Type C And I, 60" x 36"	8,687.33	838.03

33 42 31 00-0159		Standard Drainage Structure Type D And M, 80" x 36" <small>(33 42 31 00-0122)</small>			
		<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
	33 42 31 00-0160	EA	Up To 2' High Standard Drainage Structure Type D And M, 80" x 36"	4,224.29	154.49
	33 42 31 00-0161	EA	>2' To 3' High Standard Drainage Structure Type D And M, 80" x 36"	4,457.27	231.73
	33 42 31 00-0162	EA	>3' To 4' High Standard Drainage Structure Type D And M, 80" x 36"	4,690.25	308.98
	33 42 31 00-0163	EA	>4' To 5' High Standard Drainage Structure Type D And M, 80" x 36"	4,923.24	386.21
	33 42 31 00-0164	EA	>5' To 6' High Standard Drainage Structure Type D And M, 80" x 36"	5,156.23	463.46
	33 42 31 00-0165	EA	>6' To 7' High Standard Drainage Structure Type D And M, 80" x 36"	6,225.76	540.70
	33 42 31 00-0166	EA	>7' To 8' High Standard Drainage Structure Type D And M, 80" x 36"	6,640.29	617.94
	33 42 31 00-0167	EA	>8' To 9' High Standard Drainage Structure Type D And M, 80" x 36"	9,522.74	695.19
	33 42 31 00-0168	EA	>9' To 10' High Standard Drainage Structure Type D And M, 80" x 36"	9,775.36	772.43
	33 42 31 00-0169	EA	>10' To 11' High Standard Drainage Structure Type D And M, 80" x 36"	10,027.95	846.50
	33 42 31 00-0170	EA	>11' To 12' High Standard Drainage Structure Type D And M, 80" x 36"	10,280.57	926.92

33 42 31 00-0171		Standard Drainage Structure Type F, 48" x 48" <small>(33 42 31 00-0122)</small>			
		<small>Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.</small>			
	33 42 31 00-0172	EA	Up To 2' High Standard Drainage Structure Type F, 48" x 48"	2,441.30	137.55
	33 42 31 00-0173	EA	>2' To 3' High Standard Drainage Structure Type F, 48" x 48"	2,651.25	207.40
	33 42 31 00-0174	EA	>3' To 4' High Standard Drainage Structure Type F, 48" x 48"	2,860.38	275.96
	33 42 31 00-0175	EA	>4' To 5' High Standard Drainage Structure Type F, 48" x 48"	3,069.50	344.95
	33 42 31 00-0176	EA	>5' To 6' High Standard Drainage Structure Type F, 48" x 48"	4,313.88	414.78
	33 42 31 00-0177	EA	>6' To 7' High Standard Drainage Structure Type F, 48" x 48"	4,523.00	482.50
	33 42 31 00-0178	EA	>7' To 8' High Standard Drainage Structure Type F, 48" x 48"	5,357.68	550.22
	33 42 31 00-0179	EA	>8' To 9' High Standard Drainage Structure Type F, 48" x 48"	5,579.07	622.18
	33 42 31 00-0180	EA	>9' To 10' High Standard Drainage Structure Type F, 48" x 48"	5,800.46	689.90
	33 42 31 00-0181	EA	>10' To 11' High Standard Drainage Structure Type F, 48" x 48"	6,021.86	757.62
	33 42 31 00-0182	EA	>11' To 12' High Standard Drainage Structure Type F, 48" x 48"	6,243.24	827.88

33 Utilities

33 40 Stormwater Utilities

33 42 Stormwater Conveyance

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0183 Standard Drainage Structure Type G And J, 48" x 60" (33 42 31 00-0122)
 Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0184	EA	Up To 2' High Standard Drainage Structure Type G And J, 48" x 60"	4,274.35	145.17
33 42 31 00-0185	EA	>2' To 3' High Standard Drainage Structure Type G And J, 48" x 60"	4,500.48	217.55
33 42 31 00-0186	EA	>3' To 4' High Standard Drainage Structure Type G And J, 48" x 60"	4,726.61	290.35
33 42 31 00-0187	EA	>4' To 5' High Standard Drainage Structure Type G And J, 48" x 60"	4,952.73	363.15
33 42 31 00-0188	EA	>5' To 6' High Standard Drainage Structure Type G And J, 48" x 60"	5,178.87	435.95
33 42 31 00-0189	EA	>6' To 7' High Standard Drainage Structure Type G And J, 48" x 60"	5,404.99	507.90
33 42 31 00-0190	EA	>7' To 8' High Standard Drainage Structure Type G And J, 48" x 60"	5,780.78	580.70
33 42 31 00-0191	EA	>8' To 9' High Standard Drainage Structure Type G And J, 48" x 60"	8,909.05	653.28
33 42 31 00-0192	EA	>9' To 10' High Standard Drainage Structure Type G And J, 48" x 60"	9,149.89	726.30
33 42 31 00-0193	EA	>10' To 11' High Standard Drainage Structure Type G And J, 48" x 60"	9,390.74	798.25
33 42 31 00-0194	EA	>11' To 12' High Standard Drainage Structure Type G And J, 48" x 60"	9,631.59	871.05

33 42 31 00-0195 Standard Drainage Structure Type H And N, 48" x 80" (33 42 31 00-0122)
 Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0196	EA	Up To 2' High Standard Drainage Structure Type H And N, 48" x 80"	5,672.86	159.98
33 42 31 00-0197	EA	>2' To 3' High Standard Drainage Structure Type H And N, 48" x 80"	5,921.16	240.41
33 42 31 00-0198	EA	>3' To 4' High Standard Drainage Structure Type H And N, 48" x 80"	6,169.47	319.98
33 42 31 00-0199	EA	>4' To 5' High Standard Drainage Structure Type H And N, 48" x 80"	6,417.77	400.39
33 42 31 00-0200	EA	>5' To 6' High Standard Drainage Structure Type H And N, 48" x 80"	6,666.07	479.96
33 42 31 00-0201	EA	>6' To 7' High Standard Drainage Structure Type H And N, 48" x 80"	6,914.38	560.38
33 42 31 00-0202	EA	>7' To 8' High Standard Drainage Structure Type H And N, 48" x 80"	7,334.40	639.96
33 42 31 00-0203	EA	>8' To 9' High Standard Drainage Structure Type H And N, 48" x 80"	11,537.27	719.53
33 42 31 00-0204	EA	>9' To 10' High Standard Drainage Structure Type H And N, 48" x 80"	11,805.19	799.94
33 42 31 00-0205	EA	>10' To 11' High Standard Drainage Structure Type H And N, 48" x 80"	12,073.13	880.36
33 42 31 00-0206	EA	>11' To 12' High Standard Drainage Structure Type H And N, 48" x 80"	12,341.05	959.93

33 42 31 00-0207 Standard Drainage Structure Type K, 60" x 60" (33 42 31 00-0122)
 Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0208	EA	Up To 2' High Standard Drainage Structure Type K, 60" x 60"	3,089.12	152.37
33 42 31 00-0209	EA	>2' To 3' High Standard Drainage Structure Type K, 60" x 60"	3,319.99	228.55
33 42 31 00-0210	EA	>3' To 4' High Standard Drainage Structure Type K, 60" x 60"	3,550.87	304.74
33 42 31 00-0211	EA	>4' To 5' High Standard Drainage Structure Type K, 60" x 60"	3,781.74	380.92
33 42 31 00-0212	EA	>5' To 6' High Standard Drainage Structure Type K, 60" x 60"	5,234.31	457.11
33 42 31 00-0213	EA	>6' To 7' High Standard Drainage Structure Type K, 60" x 60"	5,465.17	533.30
33 42 31 00-0214	EA	>7' To 8' High Standard Drainage Structure Type K, 60" x 60"	6,873.59	609.48
33 42 31 00-0215	EA	>8' To 9' High Standard Drainage Structure Type K, 60" x 60"	9,798.07	685.67
33 42 31 00-0216	EA	>9' To 10' High Standard Drainage Structure Type K, 60" x 60"	10,058.38	761.85
33 42 31 00-0217	EA	>10' To 11' High Standard Drainage Structure Type K, 60" x 60"	10,318.70	838.03
33 42 31 00-0218	EA	>11' To 12' High Standard Drainage Structure Type K, 60" x 60"	10,578.99	914.22

33 42 31 00-0219 Standard Drainage Structure Type L And O, 60" x 80" (33 42 31 00-0122)
 Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0220	EA	Up To 2' High Standard Drainage Structure Type L And O, 60" x 80"	6,136.18	167.61
33 42 31 00-0221	EA	>2' To 3' High Standard Drainage Structure Type L And O, 60" x 80"	6,391.68	250.56
33 42 31 00-0222	EA	>3' To 4' High Standard Drainage Structure Type L And O, 60" x 80"	6,647.18	334.36
33 42 31 00-0223	EA	>4' To 5' High Standard Drainage Structure Type L And O, 60" x 80"	6,902.68	418.18
33 42 31 00-0224	EA	>5' To 6' High Standard Drainage Structure Type L And O, 60" x 80"	7,158.18	501.98
33 42 31 00-0225	EA	>6' To 7' High Standard Drainage Structure Type L And O, 60" x 80"	7,413.68	584.93
33 42 31 00-0226	EA	>7' To 8' High Standard Drainage Structure Type L And O, 60" x 80"	7,853.17	668.73
33 42 31 00-0227	EA	>8' To 9' High Standard Drainage Structure Type L And O, 60" x 80"	11,023.07	752.54
33 42 31 00-0228	EA	>9' To 10' High Standard Drainage Structure Type L And O, 60" x 80"	11,298.19	835.92
33 42 31 00-0229	EA	>10' To 11' High Standard Drainage Structure Type L And O, 60" x 80"	11,573.32	919.29
33 42 31 00-0230	EA	>11' To 12' High Standard Drainage Structure Type L And O, 60" x 80"	11,848.44	1,003.11

33 42 31 00-0231 Standard Drainage Structure Type P, 80" x 80" (33 42 31 00-0122)
 Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0232	EA	Up To 2' High Standard Drainage Structure Type P, 80" x 80"	8,329.53	182.00
33 42 31 00-0233	EA	>2' To 3' High Standard Drainage Structure Type P, 80" x 80"	8,612.11	273.00
33 42 31 00-0234	EA	>3' To 4' High Standard Drainage Structure Type P, 80" x 80"	8,894.69	363.99
33 42 31 00-0235	EA	>4' To 5' High Standard Drainage Structure Type P, 80" x 80"	9,177.27	454.99
33 42 31 00-0236	EA	>5' To 6' High Standard Drainage Structure Type P, 80" x 80"	9,459.85	545.99
33 42 31 00-0237	EA	>6' To 7' High Standard Drainage Structure Type P, 80" x 80"	9,742.43	634.87
33 42 31 00-0238	EA	>7' To 8' High Standard Drainage Structure Type P, 80" x 80"	10,201.64	727.99
33 42 31 00-0239	EA	>8' To 9' High Standard Drainage Structure Type P, 80" x 80"	16,796.29	818.99
33 42 31 00-0240	EA	>9' To 10' High Standard Drainage Structure Type P, 80" x 80"	17,096.05	909.99
33 42 31 00-0241	EA	>10' To 11' High Standard Drainage Structure Type P, 80" x 80"	17,395.80	1,000.98
33 42 31 00-0242	EA	>11' To 12' High Standard Drainage Structure Type P, 80" x 80"	17,695.55	1,091.98

33 42 31 00-0243 Standard Drainage Structure Type Q, 34" x 36" (33 42 31 00-0122)
 Note: Excludes excavation, backfill, sealing of pipes, cover and caps.

33 42 31 00-0244	EA	Up To 2' High Standard Drainage Structure Type Q, 34" x 36"	1,626.64	122.74
33 42 31 00-0245	EA	>2' To 3' High Standard Drainage Structure Type Q, 34" x 36"	1,805.81	184.12
33 42 31 00-0246	EA	>3' To 4' High Standard Drainage Structure Type Q, 34" x 36"	1,984.97	245.49
33 42 31 00-0247	EA	>4' To 5' High Standard Drainage Structure Type Q, 34" x 36"	2,164.13	306.86
33 42 31 00-0248	EA	>5' To 6' High Standard Drainage Structure Type Q, 34" x 36"	3,138.13	368.23
33 42 31 00-0249	EA	>6' To 7' High Standard Drainage Structure Type Q, 34" x 36"	3,317.31	429.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0250	EA		>7' To 8' High Standard Drainage Structure Type Q, 34" x 36".....	3,795.76	490.97
33 42 31 00-0251	EA		>8' To 9' High Standard Drainage Structure Type Q, 34" x 36".....	3,989.64	550.22
33 42 31 00-0252	EA		>9' To 10' High Standard Drainage Structure Type Q, 34" x 36".....	4,183.54	613.71
33 42 31 00-0253	EA		>10' To 11' High Standard Drainage Structure Type Q, 34" x 36".....	4,292.77	632.76
33 42 31 00-0254	EA		>11' To 12' High Standard Drainage Structure Type Q, 34" x 36".....	4,571.29	736.45

33 42 31 00-0255 Standard Drainage Structure Type R, 34" x 46" (33 42 31 00-0122)

Note: Excludes excavation, backfill, sealing of pipes, cover and caps.

33 42 31 00-0256	EA		Up To 2' High Standard Drainage Structure Type R, 34" x 46".....	1,259.85	126.98
33 42 31 00-0257	EA		>2' To 3' High Standard Drainage Structure Type R, 34" x 46".....	1,449.42	190.46
33 42 31 00-0258	EA		>3' To 4' High Standard Drainage Structure Type R, 34" x 46".....	1,639.00	256.49
33 42 31 00-0259	EA		>4' To 5' High Standard Drainage Structure Type R, 34" x 46".....	1,828.57	320.82
33 42 31 00-0260	EA		>5' To 6' High Standard Drainage Structure Type R, 34" x 46".....	2,795.81	385.16
33 42 31 00-0261	EA		>6' To 7' High Standard Drainage Structure Type R, 34" x 46".....	2,985.38	448.64
33 42 31 00-0262	EA		>7' To 8' High Standard Drainage Structure Type R, 34" x 46".....	3,771.08	512.98
33 42 31 00-0263	EA		>8' To 9' High Standard Drainage Structure Type R, 34" x 46".....	3,972.93	577.31
33 42 31 00-0264	EA		>9' To 10' High Standard Drainage Structure Type R, 34" x 46".....	4,174.77	641.65
33 42 31 00-0265	EA		>10' To 11' High Standard Drainage Structure Type R, 34" x 46".....	4,376.61	705.13
33 42 31 00-0266	EA		>11' To 12' High Standard Drainage Structure Type R, 34" x 46".....	4,578.44	769.47

33 42 31 00-0267 Standard Drainage Structure Type S, 24" x 32" (33 42 31 00-0122)

Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0268	EA		Up To 2' High Standard Drainage Structure Type S, 24" x 32".....	1,682.68	93.12
33 42 31 00-0269	EA		>2' To 3' High Standard Drainage Structure Type S, 24" x 32".....	1,827.32	139.67
33 42 31 00-0270	EA		>3' To 4' High Standard Drainage Structure Type S, 24" x 32".....	1,971.95	186.23
33 42 31 00-0271	EA		>4' To 5' High Standard Drainage Structure Type S, 24" x 32".....	2,116.58	232.78
33 42 31 00-0272	EA		>5' To 6' High Standard Drainage Structure Type S, 24" x 32".....	2,899.04	279.35
33 42 31 00-0273	EA		>6' To 7' High Standard Drainage Structure Type S, 24" x 32".....	3,043.67	325.90
33 42 31 00-0274	EA		>7' To 8' High Standard Drainage Structure Type S, 24" x 32".....	3,453.25	372.46
33 42 31 00-0275	EA		>8' To 9' High Standard Drainage Structure Type S, 24" x 32".....	3,605.24	419.02
33 42 31 00-0276	EA		>9' To 10' High Standard Drainage Structure Type S, 24" x 32".....	3,757.24	465.58
33 42 31 00-0277	EA		>10' To 11' High Standard Drainage Structure Type S, 24" x 32".....	3,909.22	512.13
33 42 31 00-0278	EA		>11' To 12' High Standard Drainage Structure Type S, 24" x 32".....	4,061.22	558.69

33 42 31 00-0279 Standard Drainage Structure Type T, 26" x 42" (33 42 31 00-0122)

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0280	EA		Up To 2' High Standard Drainage Structure Type T, 26" x 42".....	1,974.13	110.04
33 42 31 00-0281	EA		>2' To 3' High Standard Drainage Structure Type T, 26" x 42".....	2,140.59	165.07
33 42 31 00-0282	EA		>3' To 4' High Standard Drainage Structure Type T, 26" x 42".....	2,307.07	220.09
33 42 31 00-0283	EA		>4' To 5' High Standard Drainage Structure Type T, 26" x 42".....	2,473.53	275.12
33 42 31 00-0284	EA		>5' To 6' High Standard Drainage Structure Type T, 26" x 42".....	3,496.17	330.13
33 42 31 00-0285	EA		>6' To 7' High Standard Drainage Structure Type T, 26" x 42".....	3,662.63	385.16
33 42 31 00-0286	EA		>7' To 8' High Standard Drainage Structure Type T, 26" x 42".....	4,435.05	440.18
33 42 31 00-0287	EA		>8' To 9' High Standard Drainage Structure Type T, 26" x 42".....	4,608.87	495.21
33 42 31 00-0288	EA		>9' To 10' High Standard Drainage Structure Type T, 26" x 42".....	4,782.70	550.22
33 42 31 00-0289	EA		>10' To 11' High Standard Drainage Structure Type T, 26" x 42".....	4,956.53	605.25
33 42 31 00-0290	EA		>11' To 12' High Standard Drainage Structure Type T, 26" x 42".....	5,130.37	660.27

33 42 31 00-0291 Standard Drainage Structure Type U, 34" x 36" (33 42 31 00-0122)

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0292	EA		Up To 2' High Standard Drainage Structure Type U, 34" x 36".....	1,889.13	122.74
33 42 31 00-0293	EA		>2' To 3' High Standard Drainage Structure Type U, 34" x 36".....	2,070.75	184.12
33 42 31 00-0294	EA		>3' To 4' High Standard Drainage Structure Type U, 34" x 36".....	2,252.37	245.49
33 42 31 00-0295	EA		>4' To 5' High Standard Drainage Structure Type U, 34" x 36".....	2,433.98	306.86
33 42 31 00-0296	EA		>5' To 6' High Standard Drainage Structure Type U, 34" x 36".....	3,349.11	368.23
33 42 31 00-0297	EA		>6' To 7' High Standard Drainage Structure Type U, 34" x 36".....	3,530.73	429.59
33 42 31 00-0298	EA		>7' To 8' High Standard Drainage Structure Type U, 34" x 36".....	4,041.08	490.97
33 42 31 00-0299	EA		>8' To 9' High Standard Drainage Structure Type U, 34" x 36".....	4,227.60	552.76
33 42 31 00-0300	EA		>9' To 10' High Standard Drainage Structure Type U, 34" x 36".....	4,365.07	613.71
33 42 31 00-0301	EA		>10' To 11' High Standard Drainage Structure Type U, 34" x 36".....	4,546.68	675.51
33 42 31 00-0302	EA		>11' To 12' High Standard Drainage Structure Type U, 34" x 36".....	4,728.30	736.45

33 42 31 00-0303 Precast Concrete Cover Slabs / Inlet Caps (33 42 31 00-0122)

33 42 31 00-0304	EA		Precast Concrete Cover Slab Type A.....	767.27	63.49
33 42 31 00-0305	EA		Precast Concrete Cover Slab Type B And E.....	821.83	63.74
33 42 31 00-0306	EA		Precast Concrete Cover Slab Type C And I.....	909.97	69.83
33 42 31 00-0307	EA		Precast Concrete Cover Slab Type D And M.....	1,248.62	77.29
33 42 31 00-0308	EA		Precast Concrete Cover Slab Type F.....	1,008.87	69.41
33 42 31 00-0309	EA		Precast Concrete Cover Slab Type G And J.....	1,276.10	72.03
33 42 31 00-0310	EA		Precast Concrete Cover Slab Type H And N.....	1,519.05	80.42
33 42 31 00-0311	EA		Precast Concrete Cover Slab Type K.....	1,342.17	76.18
33 42 31 00-0312	EA		Precast Concrete Cover Slab Type L And O.....	1,801.01	83.80
33 42 31 00-0313	EA		Precast Concrete Cover Slab Type P.....	2,112.67	91.00
33 42 31 00-0314	EA		Precast Concrete Cover Slab Type S.....	439.02	46.55
33 42 31 00-0315	EA		Precast Concrete Cover Slab Type T.....	460.85	55.03
33 42 31 00-0316	EA		Precast Concrete Cover Slab Type U.....	473.55	61.80

33 42 33 Stormwater Curbside Drains and Inlets (33 42)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 33 00-0001		Curb Inlet Frames And Covers <small>(33 42 33)</small>		
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers <small>(33 42 33 00-0001)</small>		
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	707.38	99.04
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	758.50	115.12
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	784.48	115.12
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	859.59	135.44
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	856.15	144.75
33 42 36		Stormwater Trench Drains <small>(33 42)</small>		
33 42 36 00-0001		Modular Trench Drains <small>(33 42 36)</small>		
33 42 36 00-0002		Modular Trench Drains <small>(33 42 36 00-0001)</small> Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.		
33 42 36 00-0003		4" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0004		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0003)</small>		
33 42 36 00-0005		4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C)	50.15	13.54
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	54.20	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	108.40	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	173.43	
		For Type 304 Stainless Steel Top Veneer Frame, Add	43.36	
		For Aluminum Veneer Bronze Anodized Frame, Add	21.68	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	37.71	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	46.18	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain	46.18	
33 42 36 00-0011		6" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0012		6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0013		6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0014	LF	6" Wide, High Density Polyethylene, Modular Trench Drain	120.08	13.54
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	54.20	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	108.40	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	173.43	
		For Type 304 Stainless Steel Top Veneer Frame, Add	43.36	
		For Aluminum Veneer Bronze Anodized Frame, Add	21.68	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	55.95	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	64.42	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	64.42	
33 42 36 00-0019		Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	101.57	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	101.57	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	475.90	
33 42 36 00-0023	EA	Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	909.48	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	108.40	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	171.02	13.54
		For Black Acid Resistant Coated Frame, Add	41.19	
		For Galvanized Top Frame Assembly, Add	41.19	
		For Type 304 Stainless Steel Top Frame Assembly, Add	151.75	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.29	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	68.76	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	68.76	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0025)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0033	EA		Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	101.57	
33 42 36 00-0034	EA		Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	101.57	
33 42 36 00-0035	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	475.90	
33 42 36 00-0036	EA		Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	909.48	
33 42 36 00-0037	EA		Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	108.40	
33 42 36 00-0038			6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0039			6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0040	LF		6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	218.72	13.54
			<i>For Black Acid Resistant Coated Frame, Add</i>	41.19	
			<i>For Galvanized Top Frame Assembly, Add</i>	41.19	
			<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	151.75	
33 42 36 00-0041			Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains		
			<small>(33 42 36 00-0038)</small>		
33 42 36 00-0042	EA		Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	94.97	
33 42 36 00-0043	EA		No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	103.44	
33 42 36 00-0044	EA		No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	103.44	
33 42 36 00-0045			Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0046	EA		Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	101.57	
33 42 36 00-0047	EA		Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	101.57	
33 42 36 00-0048	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	475.90	
33 42 36 00-0049	EA		Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	909.48	
33 42 36 00-0050	EA		Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	108.40	
33 42 36 00-0051			12" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0052			12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0053			12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
33 42 36 00-0054	LF		12" Wide, High Density Polyethylene, Modular Trench Drain	221.52	18.63
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0055			Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
33 42 36 00-0056	EA		End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	111.46	
33 42 36 00-0057	EA		No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	122.74	
33 42 36 00-0058	EA		No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	122.74	
33 42 36 00-0059			Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0052)		
33 42 36 00-0060	EA		Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	179.95	
33 42 36 00-0061	EA		Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	234.15	
33 42 36 00-0062	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	932.27	
33 42 36 00-0063	EA		Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,799.43	
33 42 36 00-0064	EA		Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	216.79	
33 42 36 00-0065			12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0066			12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
33 42 36 00-0067	LF		12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	275.72	18.63
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0068			Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
33 42 36 00-0069	EA		End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	115.80	
33 42 36 00-0070	EA		No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	127.08	
33 42 36 00-0071	EA		No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	127.08	
33 42 36 00-0072			Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0065)		
33 42 36 00-0073	EA		Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	179.95	
33 42 36 00-0074	EA		Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	234.15	
33 42 36 00-0075	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	932.27	
33 42 36 00-0076	EA		Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,799.43	
33 42 36 00-0077	EA		Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	216.79	
33 42 36 00-0078			12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0051)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0079 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
33 42 36 00-0080 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	384.11	18.63
For Acid Resistant Coated Top Frame, Add	56.37	
For Galvanized Welded Frame Assembly, Add	59.08	
For Type 304 Stainless Steel Top Frame, Add	338.19	
33 42 36 00-0081 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
33 42 36 00-0082 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	278.39	
33 42 36 00-0083 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	289.67	
33 42 36 00-0084 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	289.67	
33 42 36 00-0085 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0078)		
33 42 36 00-0086 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	179.95	
33 42 36 00-0087 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	234.15	
33 42 36 00-0088 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	932.27	
33 42 36 00-0089 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,799.43	
33 42 36 00-0090 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	216.79	
33 42 36 00-0091 23" Wide, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0092 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0091)		
33 42 36 00-0093 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0094 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	309.81	25.40
For Acid Resistant Coated Frame, Add	84.55	
For Galvanized Frame Assembly, Add	84.55	
For Type 304 Stainless Steel Top Frame, Add	520.30	
33 42 36 00-0095 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0096 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	342.28	
33 42 36 00-0097 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	508.83	
33 42 36 00-0098 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	508.83	
33 42 36 00-0099 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0092)		
33 42 36 00-0100 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	404.77	
33 42 36 00-0101 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,840.12	
33 42 36 00-0102 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	3,574.44	
33 42 36 00-0103 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	433.58	
33 42 36 00-0104 Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0105 4" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0106 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	30.72	2.54
33 42 36 00-0107 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	32.28	2.54
33 42 36 00-0108 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	26.05	2.54
33 42 36 00-0109 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	68.91	2.54
33 42 36 00-0110 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	26.05	2.54
33 42 36 00-0111 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	68.91	2.54
33 42 36 00-0112 6" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0113 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	108.29	2.54
33 42 36 00-0114 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	91.92	2.54
33 42 36 00-0115 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	96.47	2.54
33 42 36 00-0116 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	84.44	2.54
33 42 36 00-0117 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	90.95	2.54
33 42 36 00-0118 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	92.03	2.54
33 42 36 00-0119 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	92.03	2.54
33 42 36 00-0120 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	90.95	2.54
33 42 36 00-0121 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	80.11	2.54
33 42 36 00-0122 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	80.11	2.54
33 42 36 00-0123 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	85.09	2.54
33 42 36 00-0124 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	85.09	2.54
33 42 36 00-0125 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	110.46	2.54
33 42 36 00-0126 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	110.46	2.54
33 42 36 00-0127 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	201.51	2.54
33 42 36 00-0128 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	201.51	2.54
33 42 36 00-0129 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	559.21	2.54
33 42 36 00-0130 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	75.77	2.54
33 42 36 00-0131 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	162.49	2.54
33 42 36 00-0132 12" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0133 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	297.33	2.75

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0134 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	284.32	2.75
33 42 36 00-0135 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	247.46	2.75
33 42 36 00-0136 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	259.93	2.75
33 42 36 00-0137 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	224.70	2.75
33 42 36 00-0138 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	438.78	2.75
33 42 36 00-0139 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	438.78	2.75
33 42 36 00-0140 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	559.64	2.75
33 42 36 00-0141 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	559.64	2.75
33 42 36 00-0142 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	714.11	2.75
33 42 36 00-0143 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	714.11	2.75
33 42 36 00-0144 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	677.79	2.75
33 42 36 00-0145 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	320.63	2.75
33 42 36 00-0146 23" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0147 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	469.01	2.97
33 42 36 00-0148 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	395.30	2.97
33 42 36 00-0149 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	612.09	2.97
33 42 36 00-0150 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	453.84	2.97
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	13,191.24	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	16,124.51	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	19,297.03	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	20,451.72	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	23,513.49	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	28,698.02	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	33,389.73	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	44,325.98	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator	810.17	
Note: HTAP1.		
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator.....	1,102.32	
Note: HTAP2.		
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator.....	655.99	
Note: Required for UL 2215 label.		
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	483.95	
Note: Required for UL 2215 label.		
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	161.36	
Note: Required for UL 2215 label.		
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,810.53	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	5,621.06	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	8,431.66	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	514.62	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	606.38	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,212.76	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,679.38	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	729.68	
Note: Required when installed in paved areas.		
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	949.57	
Note: Required when installed in paved areas.		
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,312.81	
Note: Required when installed in paved areas.		
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator	2,385.22	
Note: Required when installed in paved areas.		
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator	3,064.79	
Note: Required when installed in paved areas.		

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,844.73	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,845.45	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	956.28	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,165.60	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,830.83	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	911.83	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,106.82	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,313.27	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	77.42	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	87.46	

33 44 36 00-0041 Oil Skimmers (33 44 36)**33 44 36 00-0042 Oil Skimmers, 12" And 24" Models** (33 44 36 00-0041)

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,733.91	442.39
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,969.71	442.39
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,755.75	442.39
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,058.13	442.39
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,003.55	442.39
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,203.32	442.39
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,054.85	442.39
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,356.15	442.39
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,282.28	589.99
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,534.45	589.99
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,348.87	589.99
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,711.30	589.99
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,919.80	589.99
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,171.97	589.99
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,973.29	589.99
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,336.81	589.99

33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models.....	235.28	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models.....	283.31	

33 50 Hydrocarbon Utilities (33)**33 52 Hydrocarbon Transmission and Distribution** (33 50)**33 52 16 Gas Hydrocarbon Piping** (33 52)**33 52 16 13 Steel Natural Gas Piping** (33 52 16)

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	11.99	2.05
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.74	2.26
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.56	2.31
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.96	2.37
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	16.52	2.40
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	17.53	2.58
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	24.49	3.17
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	30.56	3.99
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	40.76	4.83
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	54.32	5.59
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	68.14	6.83
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	98.26	8.80

33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001)

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)

33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	1,400.10	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	1,528.38	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	1,610.85	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	2,463.36	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	3,799.40	

33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015)

Note: For punch steel service tee.

33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,925.16	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,957.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 52 16 13-0025	EA		3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,002.54	
33 52 16 13-0026	EA		3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,045.87	
33 52 16 13-0027	EA		1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,078.40	
33 52 16 13-0028	EA		1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,262.68	
33 52 16 13-0029	EA		1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....	2,319.50	

33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)
Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)
Note: Field applied.

33 52 16 13-0032	LF		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.17	
33 52 16 13-0033	LF		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.30	
33 52 16 13-0034	LF		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.45	
33 52 16 13-0035	LF		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	3.90	
33 52 16 13-0036	LF		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.12	
33 52 16 13-0037	LF		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.78	
33 52 16 13-0038	LF		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	5.96	
33 52 16 13-0039	LF		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	7.54	
33 52 16 13-0040	LF		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	9.65	
33 52 16 13-0041	LF		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	13.04	

33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030)
Note: Field applied.

33 52 16 13-0043	EA		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	14.35	
33 52 16 13-0044	EA		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	14.35	
33 52 16 13-0045	EA		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	17.55	
33 52 16 13-0046	EA		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	20.13	
33 52 16 13-0047	EA		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	20.13	
33 52 16 13-0048	EA		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	23.84	
33 52 16 13-0049	EA		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	31.65	
33 52 16 13-0050	EA		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	45.82	
33 52 16 13-0051	EA		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	46.69	
33 52 16 13-0052	EA		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	54.16	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)
Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF		1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.98	1.31
			<i>For Colors, Add</i>	0.04	
33 52 16 23-0003	LF		3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.31	1.40
			<i>For SDR 13.5, Deduct</i>	-0.08	
			<i>For Colors, Add</i>	0.05	
33 52 16 23-0004	LF		1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.66	1.50
			<i>For SDR 13.5, Deduct</i>	-0.10	
			<i>For Colors, Add</i>	0.07	
33 52 16 23-0005	LF		1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.01	1.58
			<i>For SDR 13.5, Deduct</i>	-0.12	
			<i>For Colors, Add</i>	0.08	
33 52 16 23-0006	LF		1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.62	1.91
			<i>For SDR 13.5, Deduct</i>	-0.17	
			<i>For Colors, Add</i>	0.11	
33 52 16 23-0007	LF		2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.22	2.08
			<i>For SDR 13.5, Deduct</i>	-0.23	
			<i>For SDR 15.5, Deduct</i>	-0.41	
			<i>For Colors, Add</i>	0.15	
33 52 16 23-0008	LF		2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.62	2.43
			<i>For SDR 13.5, Deduct</i>	-0.38	
			<i>For SDR 15.5, Deduct</i>	-0.69	
			<i>For Colors, Add</i>	0.24	
33 52 16 23-0009	LF		3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	8.11	2.90
			<i>For SDR 13.5, Deduct</i>	-0.51	
			<i>For SDR 15.5, Deduct</i>	-0.94	
			<i>For Colors, Add</i>	0.33	
33 52 16 23-0010	LF		4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	13.43	3.51
			<i>For SDR 13.5, Deduct</i>	-0.95	
			<i>For SDR 15.5, Deduct</i>	-1.74	
			<i>For Colors, Add</i>	0.61	
33 52 16 23-0011	LF		5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	16.96	3.51
			<i>For SDR 13.5, Deduct</i>	-1.31	
			<i>For SDR 15.5, Deduct</i>	-2.42	
			<i>For Colors, Add</i>	0.85	
33 52 16 23-0012	LF		6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	20.58	3.51
			<i>For SDR 13.5, Deduct</i>	-1.68	
			<i>For SDR 15.5, Deduct</i>	-3.09	
			<i>For Colors, Add</i>	1.08	
33 52 16 23-0013	LF		8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	30.47	4.39
			<i>For SDR 13.5, Deduct</i>	-2.80	
			<i>For SDR 15.5, Deduct</i>	-5.15	
			<i>For Colors, Add</i>	1.81	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)**

33 52 16 26-0001	High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)		
	Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.03	1.31
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.39	1.40
	For SDR 13.5, Deduct	-0.09	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	3.73	1.50
	For SDR 13.5, Deduct	-0.11	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.11	1.58
	For SDR 13.5, Deduct	-0.13	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.75	1.91
	For SDR 13.5, Deduct	-0.19	
33 52 16 26-0007	LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.40	2.08
	For SDR 13.5, Deduct	-0.25	
	For SDR 15.5, Deduct	-0.46	
	For SDR 17, Deduct	-0.66	
33 52 16 26-0008	LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	6.92	2.43
	For SDR 13.5, Deduct	-0.41	
	For SDR 15.5, Deduct	-0.76	
	For SDR 17, Deduct	-1.10	
33 52 16 26-0009	LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	8.53	2.90
	For SDR 13.5, Deduct	-0.56	
	For SDR 15.5, Deduct	-1.04	
	For SDR 17, Deduct	-1.51	
	For SDR 21, Deduct	-2.06	
33 52 16 26-0010	LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	14.20	3.51
	For SDR 13.5, Deduct	-1.04	
	For SDR 15.5, Deduct	-1.92	
	For SDR 17, Deduct	-2.78	
	For SDR 21, Deduct	-3.81	
33 52 16 26-0011	LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	21.94	3.51
	For SDR 13.5, Deduct	-1.85	
	For SDR 15.5, Deduct	-3.40	
	For SDR 17, Deduct	-4.94	
	For SDR 21, Deduct	-6.76	
33 52 16 26-0012	LF 8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	32.73	4.39
	For SDR 13.5, Deduct	-3.08	
	For SDR 15.5, Deduct	-5.66	
	For SDR 17, Deduct	-8.22	
	For SDR 21, Deduct	-11.25	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)**33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)**

33 53 16 00-0001	Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)		
33 53 16 00-0002	EA 3/4" Gas Pressure Regulator, Screwed End	164.70	12.80
33 53 16 00-0003	EA 1" Gas Pressure Regulator, Screwed End	167.60	12.80
33 53 16 00-0004	EA 1-1/4" Gas Pressure Regulator, Screwed End	174.58	15.20
33 53 16 00-0005	EA 1-1/2" Gas Pressure Regulator, Screwed End	594.12	17.60
33 53 16 00-0006	EA 2" Gas Pressure Regulator, Screwed End	630.94	27.28
33 53 16 00-0007	EA 3" Gas Pressure Regulator, Screwed End	1,775.09	61.19
33 53 16 00-0008	EA 4" Gas Pressure Regulator, Screwed End	2,467.74	81.09

33 56 Hydrocarbon Storage (33 50)**33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)**

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)**33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)**

33 59 11 00-0001	Diaphragm Meters (33 59 11)		
	Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002	EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded	398.55	50.13
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0003	EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded	789.02	76.67
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0004	EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	931.39	76.67
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0005	EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded	2,056.29	95.83
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	
33 59 11 00-0006	EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded	2,322.89	117.95
	For Temperature And Pressure Compensation, Add	8.40	
	For Pulsers, Add	26.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 59 11 00-0007	EA		800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,073.54 8.40 26.50	95.83
33 59 11 00-0008	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,417.57 8.40 26.50	117.95
33 59 11 00-0009	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	4,519.82 8.40 26.50	125.33
33 59 11 00-0010	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	6,402.98 8.40 26.50	147.44
33 59 11 00-0011	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded..... <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	9,774.94 8.40 26.50	243.28

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	7,870.42	266.27
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	8,447.02	309.23
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,078.71	336.17
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	25,430.43	409.25
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	41,946.82	511.56

33 60 Hydronic and Steam Energy Utilities (33)

33 61 Hydronic Energy Distribution (33 60)

33 61 13 Buried Hydronic Energy Distribution (33 61)

33 61 13 00-0001 Prefabricated/Preinsulated Pipe (33 61 13)

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0003 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	47.33	
			<i>For Schedule 80 Pipe, Add</i>	5.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0005	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.66	
			<i>For Schedule 80 Pipe, Add</i>	6.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0006	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.85	
			<i>For Schedule 80 Pipe, Add</i>	6.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0007	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.64	
			<i>For Schedule 80 Pipe, Add</i>	7.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0008	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.76	
			<i>For Schedule 80 Pipe, Add</i>	7.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
33 61 13 00-0009	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.99	
			<i>For Schedule 80 Pipe, Add</i>	8.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
33 61 13 00-0010	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	83.10	
			<i>For Schedule 80 Pipe, Add</i>	9.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0011	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	105.16	
			<i>For Schedule 80 Pipe, Add</i>	11.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.16	
33 61 13 00-0012	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	131.96	
			<i>For Schedule 80 Pipe, Add</i>	14.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.48	
33 61 13 00-0013	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	153.82	
			<i>For Schedule 80 Pipe, Add</i>	17.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.72	
33 61 13 00-0014	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	207.12	
			<i>For Schedule 80 Pipe, Add</i>	25.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.50	
33 61 13 00-0015	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	262.72	
			<i>For Schedule 80 Pipe, Add</i>	33.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.31	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.09
		<i>For Schedule 80 Pipe, Add</i>	41.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.12
33 61 13 00-0017		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>	
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.15
		<i>For Schedule 80 Pipe, Add</i>	6.20
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.76
		<i>For Schedule 80 Pipe, Add</i>	6.82
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.34
		<i>For Schedule 80 Pipe, Add</i>	7.68
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.38
		<i>For Schedule 80 Pipe, Add</i>	8.25
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.68
		<i>For Schedule 80 Pipe, Add</i>	8.62
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.25
		<i>For Schedule 80 Pipe, Add</i>	9.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	87.70
		<i>For Schedule 80 Pipe, Add</i>	10.12
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.01
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	110.96
		<i>For Schedule 80 Pipe, Add</i>	12.75
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.27
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	139.37
		<i>For Schedule 80 Pipe, Add</i>	16.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.63
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	162.42
		<i>For Schedule 80 Pipe, Add</i>	18.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.89
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	219.64
		<i>For Schedule 80 Pipe, Add</i>	27.55
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	279.25
		<i>For Schedule 80 Pipe, Add</i>	36.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.64
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	346.71
		<i>For Schedule 80 Pipe, Add</i>	45.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.54
33 61 13 00-0031		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>	
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.	
33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.56
		<i>For Schedule 80 Pipe, Add</i>	6.49
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.31
		<i>For Schedule 80 Pipe, Add</i>	7.13
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.09
		<i>For Schedule 80 Pipe, Add</i>	8.03
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.26
		<i>For Schedule 80 Pipe, Add</i>	8.62
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.64
		<i>For Schedule 80 Pipe, Add</i>	9.01
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.38
		<i>For Schedule 80 Pipe, Add</i>	9.80
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.98

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0038	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	90.00	
				<i>For Schedule 80 Pipe, Add</i>	10.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.06	
33 61	13 00-0039	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	113.85	
				<i>For Schedule 80 Pipe, Add</i>	13.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.33	
33 61	13 00-0040	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	143.08	
				<i>For Schedule 80 Pipe, Add</i>	17.05	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.70	
33 61	13 00-0041	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	166.73	
				<i>For Schedule 80 Pipe, Add</i>	19.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.98	
33 61	13 00-0042	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	225.90	
				<i>For Schedule 80 Pipe, Add</i>	28.80	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.88	
33 61	13 00-0043	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.51	
				<i>For Schedule 80 Pipe, Add</i>	38.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.80	
33 61	13 00-0044	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	357.02	
				<i>For Schedule 80 Pipe, Add</i>	47.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	

33 61 13 00-0045 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0046	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.68	
				<i>For Schedule 80 Pipe, Add</i>	6.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
33 61	13 00-0047	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.64	
				<i>For Schedule 80 Pipe, Add</i>	7.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0048	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.71	
				<i>For Schedule 80 Pipe, Add</i>	8.56	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61	13 00-0049	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.07	
				<i>For Schedule 80 Pipe, Add</i>	9.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61	13 00-0050	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.58	
				<i>For Schedule 80 Pipe, Add</i>	9.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
33 61	13 00-0051	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.57	
				<i>For Schedule 80 Pipe, Add</i>	10.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.04	
33 61	13 00-0052	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.45	
				<i>For Schedule 80 Pipe, Add</i>	11.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61	13 00-0053	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	118.20	
				<i>For Schedule 80 Pipe, Add</i>	14.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42	
33 61	13 00-0054	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	148.64	
				<i>For Schedule 80 Pipe, Add</i>	18.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61	13 00-0055	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	173.18	
				<i>For Schedule 80 Pipe, Add</i>	21.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.11	
33 61	13 00-0056	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.30	
				<i>For Schedule 80 Pipe, Add</i>	30.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.07	
33 61	13 00-0057	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.91	
				<i>For Schedule 80 Pipe, Add</i>	40.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61	13 00-0058	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	372.48	
				<i>For Schedule 80 Pipe, Add</i>	50.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	

33 61 13 00-0059 Preinsulated Black Steel Fittings (33 61 13 00-0001)

Note: No excavation or backfill.

33 61 13 00-0060 Elbows (33 61 13 00-0059)

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0061			Elbows <small>(33 61 13 00-0060)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0062	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	374.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.79	
33 61 13 00-0063	EA		1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	388.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.93	
33 61 13 00-0064	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.75	
33 61 13 00-0065	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	500.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.36	
33 61 13 00-0066	EA		2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	581.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.67	
33 61 13 00-0067	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	688.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.97	
33 61 13 00-0068	EA		3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	799.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61 13 00-0069	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	933.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.73	
33 61 13 00-0070	EA		5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,114.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.80	
33 61 13 00-0071	EA		6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,229.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.68	
33 61 13 00-0072	EA		8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,728.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.66	
33 61 13 00-0073	EA		10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,367.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.97	
33 61 13 00-0074	EA		12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,020.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.34	
33 61 13 00-0075			Elbows <small>(33 61 13 00-0060)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0076	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61 13 00-0077	EA		1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	410.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.37	
33 61 13 00-0078	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	470.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0079	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	527.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.91	
33 61 13 00-0080	EA		2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	610.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61 13 00-0081	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	718.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.57	
33 61 13 00-0082	EA		3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	834.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.89	
33 61 13 00-0083	EA		4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	973.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.54	
33 61 13 00-0084	EA		5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,166.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.84	
33 61 13 00-0085	EA		6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,288.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.85	
33 61 13 00-0086	EA		8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,813.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.36	
33 61 13 00-0087	EA		10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,476.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.14	
33 61 13 00-0088	EA		12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,164.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.21	
33 61 13 00-0089			Elbows <small>(33 61 13 00-0060)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0090	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	418.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.66	
33 61	13 00-0091	EA		1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	432.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.82	
33 61	13 00-0092	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	496.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.76	
33 61	13 00-0093	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.47	
33 61	13 00-0094	EA		2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	639.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.82	
33 61	13 00-0095	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	748.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.17	
33 61	13 00-0096	EA		3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	868.88	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61	13 00-0097	EA		4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,013.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.35	
33 61	13 00-0098	EA		5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,218.22	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.87	
33 61	13 00-0099	EA		6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,347.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.03	
33 61	13 00-0100	EA		8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,898.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.06	
33 61	13 00-0101	EA		10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,585.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.31	
33 61	13 00-0102	EA		12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,308.45	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.09	

33 61 13 00-0103 Elbows (33 61 13 00-0060)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0104	EA		3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	439.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.10	
33 61	13 00-0105	EA		1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	454.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.26	
33 61	13 00-0106	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	521.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.27	
33 61	13 00-0107	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.02	
33 61	13 00-0108	EA		2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.39	
33 61	13 00-0109	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	778.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.77	
33 61	13 00-0110	EA		3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	903.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.27	
33 61	13 00-0111	EA		4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,054.23	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.15	
33 61	13 00-0112	EA		5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,269.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.91	
33 61	13 00-0113	EA		6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,405.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.20	
33 61	13 00-0114	EA		8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,983.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.76	
33 61	13 00-0115	EA		10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,693.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.48	
33 61	13 00-0116	EA		12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,452.22	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.96	

33 61 13 00-0117 Tees (33 61 13 00-0059)

33 61 13 00-0118 Tees (33 61 13 00-0117)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.60	
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	577.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.81	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.02	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	744.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.93	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	866.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.39	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,026.64	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.84	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,192.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.66	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,392.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.94	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,663.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.50	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,833.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.28	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,574.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.65	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,531.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.02	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,502.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.93	

33 61 13 00-0132 Tees (33 61 13 00-0117)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	589.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.25	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	610.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.47	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	700.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	785.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.75	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	909.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.24	
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,071.04	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.73	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,244.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.69	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,451.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.14	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,740.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.03	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,920.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.02	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,700.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.18	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,693.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.24	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,716.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.20	

33 61 13 00-0146 Tees (33 61 13 00-0117)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	622.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.89	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0148	EA		1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	643.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.13	
33 61	13 00-0149	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	738.30	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.52	
33 61	13 00-0150	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	826.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.57	
33 61	13 00-0151	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	951.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.09	
33 61	13 00-0152	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,115.45	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.62	
33 61	13 00-0153	EA		3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,295.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61	13 00-0154	EA		4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,511.70	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.33	
33 61	13 00-0155	EA		5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,817.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.57	
33 61	13 00-0156	EA		6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,007.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.77	
33 61	13 00-0157	EA		8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,826.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.70	
33 61	13 00-0158	EA		10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,854.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.47	
33 61	13 00-0159	EA		12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,929.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.47	

33 61 13 00-0160

Tees (33 61 13 00-0117)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0161	EA		3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	654.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.54	
33 61	13 00-0162	EA		1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	676.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.79	
33 61	13 00-0163	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	775.88	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.27	
33 61	13 00-0164	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	867.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.39	
33 61	13 00-0165	EA		2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	994.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.95	
33 61	13 00-0166	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,159.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.51	
33 61	13 00-0167	EA		3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,346.62	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.74	
33 61	13 00-0168	EA		4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,571.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.53	
33 61	13 00-0169	EA		5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,894.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.11	
33 61	13 00-0170	EA		6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,095.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.52	
33 61	13 00-0171	EA		8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,952.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.23	
33 61	13 00-0172	EA		10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,015.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.69	
33 61	13 00-0173	EA		12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,143.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	69.74	

33 61 13 00-0174

Reducers (33 61 13 00-0059)

33 61 13 00-0175

Reducers (33 61 13 00-0174)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0176	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.45
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.92
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	377.41
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.60
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	424.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.11
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	496.65
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	598.50
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	690.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.64
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	802.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.91
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	955.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.46
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,051.90
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.01
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,476.19
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.81
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,030.11
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.04
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,582.95
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.82

33 61 13 00-0189 Reducers (33 61 13 00-0174)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	334.97
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.17
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	346.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.29
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	398.41
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	447.35
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.57
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	520.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.84
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	623.32
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.12
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	719.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.21
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	835.78
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.58
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	998.02
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.31
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,100.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.99
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,546.73
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.22
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,120.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.85
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,702.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.21

33 61 13 00-0203 Reducers (33 61 13 00-0174)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	353.00
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.36
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.66

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0206	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	419.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61	13 00-0207	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	470.26	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.03	
33 61	13 00-0208	EA		2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	544.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.32	
33 61	13 00-0209	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61	13 00-0210	EA		3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	747.70	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0211	EA		4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	869.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61	13 00-0212	EA		5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,040.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.17	
33 61	13 00-0213	EA		6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,149.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.96	
33 61	13 00-0214	EA		8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,617.26	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.63	
33 61	13 00-0215	EA		10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,210.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.65	
33 61	13 00-0216	EA		12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,821.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.59	

33 61 13 00-0217 Reducers (33 61 13 00-0174)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0218	EA		3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	371.03	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0219	EA		1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	383.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.03	
33 61	13 00-0220	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	440.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.86	
33 61	13 00-0221	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	493.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.48	
33 61	13 00-0222	EA		2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	568.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.80	
33 61	13 00-0223	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	672.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.11	
33 61	13 00-0224	EA		3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	776.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.36	
33 61	13 00-0225	EA		4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	902.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.91	
33 61	13 00-0226	EA		5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,083.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.03	
33 61	13 00-0227	EA		6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,198.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.94	
33 61	13 00-0228	EA		8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,687.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.04	
33 61	13 00-0229	EA		10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,300.58	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.45	
33 61	13 00-0230	EA		12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,940.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.98	

33 61 13 00-0231 Preinsulated Type K Copper Pipe (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 Type K Copper Carrier Pipe (33 61 13 00-0231)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0233	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	40.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61	13 00-0234	LF		1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

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33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	113.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	132.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	175.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	274.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	

33 61 13 00-0246 Type K Copper Carrier Pipe (33 61 13 00-0231)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	42.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	95.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	119.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	139.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	185.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.17	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	

33 61 13 00-0260 Type K Copper Carrier Pipe (33 61 13 00-0231)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	

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33 61	13 00-0264	LF	1-1/2"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61	13 00-0265	LF	2"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61	13 00-0266	LF	2-1/2"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61	13 00-0267	LF	3"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61	13 00-0268	LF	4"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61	13 00-0269	LF	5"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	121.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61	13 00-0270	LF	6"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	142.24	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61	13 00-0271	LF	8"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	189.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61	13 00-0272	LF	10"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	239.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61	13 00-0273	LF	12"	Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	296.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	

33 61 13 00-0274 Type K Copper Carrier Pipe (33 61 13 00-0231)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0275	LF	3/4"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	44.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61	13 00-0276	LF	1"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61	13 00-0277	LF	1-1/4"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.82	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0278	LF	1-1/2"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0279	LF	2"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0280	LF	2-1/2"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61	13 00-0281	LF	3"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61	13 00-0282	LF	4"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	100.59	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0283	LF	5"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	126.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61	13 00-0284	LF	6"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	146.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61	13 00-0285	LF	8"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	196.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	
33 61	13 00-0286	LF	10"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	248.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
33 61	13 00-0287	LF	12"	Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	

33 61 13 00-0288 Preinsulated Copper Fittings (33 61 13 00-0001)

33 61 13 00-0289 Elbows (33 61 13 00-0288)

33 61 13 00-0290 Elbows (33 61 13 00-0289)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0291	EA	3/4"	Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	306.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61	13 00-0292	EA	1"	Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61	13 00-0293	EA	1-1/4"	Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	

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33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	480.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	572.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	665.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	776.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	924.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,018.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,428.78	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,964.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,501.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	

33 61 13 00-0304 Elbows (33 61 13 00-0289)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	324.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	335.94	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	433.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	503.95	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	596.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	693.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	809.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	965.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,065.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,497.13	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,051.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,617.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.15	

33 61 13 00-0318 Elbows (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	341.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	353.83	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	455.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	

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33 61	13 00-0323	EA		2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	527.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61	13 00-0324	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	620.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
33 61	13 00-0325	EA		3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	720.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	
33 61	13 00-0326	EA		4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	841.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61	13 00-0327	EA		5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,007.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77	
33 61	13 00-0328	EA		6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,112.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61	13 00-0329	EA		8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,565.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61	13 00-0330	EA		10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,138.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61	13 00-0331	EA		12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,733.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	

33 61 13 00-0332 Elbows (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0333	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61	13 00-0334	EA		1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	371.71	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61	13 00-0335	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	426.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61	13 00-0336	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	477.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61	13 00-0337	EA		2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	550.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61	13 00-0338	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	645.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61	13 00-0339	EA		3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	748.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07	
33 61	13 00-0340	EA		4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	873.75	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61	13 00-0341	EA		5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,049.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61	13 00-0342	EA		6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,160.03	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61	13 00-0343	EA		8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,633.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61	13 00-0344	EA		10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,226.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61	13 00-0345	EA		12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,848.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	

33 61 13 00-0346 Tees (33 61 13 00-0288)

33 61 13 00-0347 Tees (33 61 13 00-0346)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0348	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61	13 00-0349	EA		1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	473.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61	13 00-0350	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	543.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61	13 00-0351	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	611.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR
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33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	716.28
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	854.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	992.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,158.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,379.99
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,518.02
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,128.42
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,930.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,729.41
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79

33 61 13 00-0361 Tees (33 61 13 00-0346)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	482.71
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	499.95
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	574.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.88
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	750.63
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	889.78
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,033.90
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,206.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,441.81
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,588.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,229.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,060.18
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,901.12
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22

33 61 13 00-0375 Tees (33 61 13 00-0346)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	526.51
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.38
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	677.84
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	784.97
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53

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33 61	13 00-0381	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	925.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61	13 00-0382	EA		3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,075.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61	13 00-0383	EA		4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,254.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	
33 61	13 00-0384	EA		5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,503.62	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61	13 00-0385	EA		6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,658.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61	13 00-0386	EA		8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,330.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61	13 00-0387	EA		10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,188.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61	13 00-0388	EA		12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,074.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	

33 61 13 00-0389 Tees (33 61 13 00-0346)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0390	EA		3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	534.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61	13 00-0391	EA		1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	553.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61	13 00-0392	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	634.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61	13 00-0393	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	710.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61	13 00-0394	EA		2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	819.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61	13 00-0395	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	961.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61	13 00-0396	EA		3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,116.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61	13 00-0397	EA		4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,302.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61	13 00-0398	EA		5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,565.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61	13 00-0399	EA		6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,728.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
33 61	13 00-0400	EA		8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,432.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	
33 61	13 00-0401	EA		10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,317.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
33 61	13 00-0402	EA		12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,246.66	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	

33 61 13 00-0403 Reducers (33 61 13 00-0288)

33 61 13 00-0404 Reducers (33 61 13 00-0403)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0405	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	259.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61	13 00-0406	EA		1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	269.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61	13 00-0407	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	309.88	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61	13 00-0408	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61	13 00-0409	EA		2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	411.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR

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UNIT COST

33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	498.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	575.42	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	793.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	872.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.13	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,686.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.34	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,142.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.59	

33 61 13 00-0418**Reducers** (33 61 13 00-0403)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	274.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	284.39	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.26	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	326.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.55	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	430.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	518.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	598.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	695.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	827.63	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	911.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,278.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,759.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,238.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	

33 61 13 00-0432**Reducers** (33 61 13 00-0403)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	288.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	299.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.55	
33 61 13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	343.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61 13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61 13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	449.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	538.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0439	EA		3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	621.48	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61	13 00-0440	EA		4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	722.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61	13 00-0441	EA		5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	862.18	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	
33 61	13 00-0442	EA		6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	950.84	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61	13 00-0443	EA		8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,335.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61	13 00-0444	EA		10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,831.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61	13 00-0445	EA		12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,334.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	

33 61 13 00-0446 Reducers (33 61 13 00-0403)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0447	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61	13 00-0448	EA		1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	314.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61	13 00-0449	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	360.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61	13 00-0450	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	404.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61	13 00-0451	EA		2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	468.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61	13 00-0452	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	558.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61	13 00-0453	EA		3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	644.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61	13 00-0454	EA		4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	749.21	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0455	EA		5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	896.73	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61	13 00-0456	EA		6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	990.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0457	EA		8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,392.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61	13 00-0458	EA		10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,904.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61	13 00-0459	EA		12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,430.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	

33 61 13 00-0460 Tempered Water Piping Pre-Insulated (33 61 13 00-0001)

33 61 13 00-0461 Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 00-0460)

33 61	13 00-0462	LF		4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	63.39	16.65
33 61	13 00-0463	LF		6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	77.14	17.61
33 61	13 00-0464	LF		8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	106.53	19.93
33 61	13 00-0465	LF		10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	144.37	24.91
33 61	13 00-0466	LF		12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	184.29	30.73

33 61 13 00-0467 Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation (33 61 13 00-0460)

33 61	13 00-0468	LF		4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	37.45	17.61
33 61	13 00-0469	LF		6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	41.10	17.61
33 61	13 00-0470	LF		8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	44.49	17.61
33 61	13 00-0471	LF		10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	53.51	20.82

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 61 13 00-0472	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	64.93	26.42
33 61 13 00-0473 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation ^(33 61 13 00-0460)				
33 61 13 00-0474	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	37.45	17.61
33 61 13 00-0475	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	41.10	17.61
33 61 13 00-0476	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	44.49	17.61
33 61 13 00-0477	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	53.51	20.82
33 61 13 00-0478	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	64.93	26.42

33 70 Electrical Utilities ⁽³³⁾**33 71 Electrical Utility Transmission and Distribution ^(33 70)****33 71 19 Electrical Underground Ducts, Ductbanks and Manholes ^(33 71)****33 71 19 13 Electrical Manholes and Handholes ^(33 71 19)**

33 71 19 13-0001		Electrical Handholes And Pull Boxes ^(33 71 19 13)		
33 71 19 13-0002		Electrical Pull Boxes ^(33 71 19 13-0001) See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,665.81	
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,004.86	
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,329.56	
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,668.86	
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,923.99	
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	4,225.64	
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,865.35	
33 71 19 13-0010		Electrical Property Line Boxes ^(33 71 19 13)		
33 71 19 13-0011	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	3,430.90	314.30
33 71 19 13-0012	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	4,026.51	325.93
33 71 19 13-0013	EA	6' x 4' x 5' Deep Property Line Box	4,422.76	395.78
33 71 19 13-0014	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	6,768.72	582.02
33 71 19 13-0015		Manhole Accessories ^(33 71 19 13)		
33 71 19 13-0016	EA	6" Precast Grade Ring Riser Casting	414.45	
33 71 19 13-0017	EA	12" Precast Grade Ring Riser Casting	448.79	
33 71 19 13-0018	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	1,634.92	
33 71 19 13-0019	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,135.30	
33 71 19 13-0020	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	682.14	
33 71 19 13-0021	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	870.64	
33 71 19 23		Trenched Electrical Underground Duct and Ductbanks ^(33 71 19)		
33 71 19 23-0001		Underground Electrical Concrete Markers ^(33 71 19 23)		
33 71 19 23-0002	EA	36" x 6" x 6", Underground Electric Concrete Marker	256.23	

END OF SECTION 33

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 School Zone Flasher Beacons ^(34 41 13)

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	4,170.16	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	4,200.01	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	4,706.81	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	4,802.33	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	8,836.66	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	9,211.00	143.45
<small>Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.</small>				

34 70 Transportation Construction and Equipment ⁽³⁴⁾

34 71 Roadway Construction ^(34 70)

34 71 13 Vehicle Barriers ^(34 71)

34 71 13 13 Vehicle Median Barriers ^(34 71 13)

34 71 13 13-0001 Cast In Place Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	Type A Cast in Place Concrete Barrier.....	108.21	
34 71 13 13-0003	LF	Type B Cast in Place Concrete Barrier.....	126.24	
34 71 13 13-0004	LF	Type C Cast in Place Concrete Barrier.....	126.24	
34 71 13 13-0005	LF	Half Section Cast in Place Concrete Barrier.....	98.90	
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier.....	132.25	

34 71 13 13-0007 Precast Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	Type A Precast Concrete Barrier.....	103.04	
<i>For Up To 5, Add</i>			<i>39.51</i>	
34 71 13 13-0009	LF	Type B Precast Concrete Barrier.....	119.42	
<i>For Up To 5, Add</i>			<i>47.70</i>	
34 71 13 13-0010	LF	Type C Precast Concrete Barrier.....	119.42	
<i>For Up To 5, Add</i>			<i>47.70</i>	
34 71 13 13-0011	LF	Pier Protection Half Section Precast Concrete Barrier.....	97.85	
<i>For Up To 5, Add</i>			<i>36.91</i>	
<i>For Up To 20, Add</i>			<i>8.63</i>	
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier.....	105.84	
<i>For Up To 5, Add</i>			<i>40.91</i>	
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier.....	124.92	
<i>For Up To 5, Add</i>			<i>50.45</i>	
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier.....	112.47	
<i>For Up To 5, Add</i>			<i>44.22</i>	
<i>For Up To 20, Add</i>			<i>9.92</i>	
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier.....	123.47	
<i>For Up To 5, Add</i>			<i>49.72</i>	

34 71 13 13-0016 Glare Screen ^(34 71 13 13)

Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen.....	110.26	5.48
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34 71 13 16 Vehicle Crash Barriers ^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	638.45	41.07
<small>Note: Includes containers, inserts, and lid.</small>				

34 71 13 26 Vehicle Guide Rails ^(34 71 13)

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
34 71 13 26-0001		Mobilize Guide Rail Crew (34 71 13 26)			
		Note: Excludes equipment mobilization.			
34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	1,049.92		
		Note: Excludes equipment mobilization.			
34 71 13 26-0003		Corrugated Beam Guide Rail (34 71 13 26)			
34 71 13 26-0004		Corrugated Beam Guide Railing (34 71 13 26-0003)			
34 71 13 26-0005		Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004)			
		Note: Add additional length for back-up sections.			
34 71 13 26-0006	LF	Corrugated Beam Guide Railing.....	16.13	1.88	
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	17.42	1.88	
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004)			
		Note: Add additional length for back-up sections.			
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	21.18	1.88	
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	22.96	1.88	
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	54.86	1.88	
		Note: Treatment for mall barriers driveways, walkways, special end, etc.			
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	59.89	1.88	
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.			
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)			
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	119.98	24.75	
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	126.86	24.75	
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	161.22	24.75	
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	168.10	24.75	
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section.....	161.22	24.75	
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	168.10	24.75	
34 71 13 26-0020		Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)			
		Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.			
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket.....	4,152.49	150.17	
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket.....	3,465.14	150.17	
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	4,152.49	150.17	
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	609.90	70.80	
34 71 13 26-0025		Corrugated Beam Guide Rail Posts (34 71 13 26-0003)			
		Note: Includes mounting hardware.			
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail.....	126.11	12.10	
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	3.23		
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	132.98	12.10	
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	3.23		
34 71 13 26-0028	EA	Extra Long Post For Corrugated Beam Guide Rail.....	139.85	12.10	
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	3.23		
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	146.73	12.10	
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	3.23		
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	126.11	12.10	
		For Installation Without Soil Plate, Deduct	-5.00		
		For Installation In Rock, Add	3.23		
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	181.09	12.10	
		For Installation In Rock, Add	3.23		
34 71 13 26-0032		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)			
		Note: Includes mounting hardware. Excludes triangular mounting brackets.			
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail.....	126.11	12.10	
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide.....	132.98	12.10	
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail.....	139.85	12.10	
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	146.73	12.10	
		Note: For heavy post blocked out corrugated beam guide (rustic)			
34 71 13 26-0037	EA	Type A Post 1630mm Post.....	122.67	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic).....	129.54	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0039	EA	Type B Post 1460mm.....	115.80	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic).....	122.67	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0041	EA	Type C Post 1290mm.....	108.92	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic).....	115.80	12.10	
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube.....	470.88	12.10	
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	50.50	12.10	
		Note: For heavy post blocked out corrugated beam guide rail.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 71 13 26-0045			Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0046	EA		Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	106.24	28.12
34 71 13 26-0047			Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
			Note: Includes associated hardware.		
34 71 13 26-0048	LF		Removal And Storage Of Corrugated Beam Guide Railing And Post.....	10.99	
34 71 13 26-0049	EA		Install Stored Post For Corrugated Beam Guide Rail	37.50	
34 71 13 26-0050	LF		Install Stored Corrugated Beam Guide Railing And Post.....	6.37	
34 71 13 26-0051			Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0052			Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF		Corrugated Thrie Beam Guide Railing.....	38.24	2.36
34 71 13 26-0054	LF		Corrugated Thrie Beam Guide Railing (Rustic).....	40.34	2.36
34 71 13 26-0055			Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF		Shop Curved Corrugated Thrie Beam Guide Railing	46.62	2.36
34 71 13 26-0057	LF		Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	48.72	2.36
34 71 13 26-0058			Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0051)		
			Note: Includes hardware for mounting.		
34 71 13 26-0059	EA		Standard Post For Corrugated Thrie Beam Guide Rail.....	154.37	2.36
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0060	EA		Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	161.24	2.36
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0061			6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0062			Box Beam Guide Rail, 6" x 6" (34 71 13 26-0061)		
34 71 13 26-0063			Straight Sections, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0064	LF		Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	46.10	2.36
			Note: Excludes splices.		
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0065	LF		Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	52.38	2.36
			Note: Excludes splices.		
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0066	LF		Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	54.70	2.36
			Note: Excludes splices		
34 71 13 26-0067			Shop Curved, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0068	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	70.19	2.36
			Note: Excludes splices.		
			<i>For Shop Curved At <20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0069	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	76.48	2.36
			Note: Excludes splices.		
			<i>For Shop Curved At <20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0070	LF		Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	83.57	2.36
			Note: Excludes splices.		
34 71 13 26-0071			Box Beam Guide Rail End Treatment Sections (34 71 13 26-0061)		
			Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA		Box Beam End Piece Guide Railing Section.....	724.85	28.12
			Note: Galvanized excludes splices.		
34 71 13 26-0073	EA		Box Beam End Piece Guide Railing Section (Rustic).....	800.46	28.12
			Note: Excludes splices.		
34 71 13 26-0074	EA		Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	683.61	28.12
			Note: Excludes splices.		
34 71 13 26-0075	EA		Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	711.10	28.12
			Note: Excludes splices.		
34 71 13 26-0076	EA		Type III, Box Beam Guiderail End Section Assembly	20,569.44	749.95
			Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0077			Splices For Box Beam Guide Rail (34 71 13 26-0061)		
34 71 13 26-0078	EA		Splice For Box Beam Guide Rail	186.59	41.75
34 71 13 26-0079	EA		Splice For Box Beam Guide Rail (Rustic).....	234.71	41.75

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080			Box Beam Guide Rail Posts (34 71 13 26-0061) Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA		Standard Post For Box Beam Guide Rail.....	163.74	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0082	EA		Standard Post (Rustic) for Box Beam Guide Railing.....	170.61	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0083	EA		Extra Long Post For Box Beam Guide Rail.....	177.48	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0084	EA		Extra Long Post (Rustic) For Box Beam Guide Rail.....	184.36	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0085	EA		Type I End Assembly Post.....	156.86	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0086	EA		Type I End Assembly Post (Rustic).....	163.74	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0087	EA		Type II End Assembly Post.....	149.99	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0088	EA		Type II End Assembly Post (Rustic).....	156.86	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0089			Box Beam Guide Rail Accessories (34 71 13 26-0061)		
34 71 13 26-0090	EA		Box Beam Guide Rail End Cover Plate.....	93.73	8.44
34 71 13 26-0091	EA		Box Beam Guide Rail End Cover Plate (Rustic)	100.61	8.44
34 71 13 26-0092			Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0061) Note: For existing guide rail.		
34 71 13 26-0093	LF		Removal And Storage Of Box Beam Guide Rail And Post	3.70	
34 71 13 26-0094	LF		Reset Box Beam Guide Rail	10.81	
34 71 13 26-0095			6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0096			Box Beam Median Barrier, 6" x 8" (34 71 13 26-0095)		
34 71 13 26-0097			Straight Sections, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0098	LF		Box Beam Median Barrier Galvanized Excludes Splices.....	77.24	8.44
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0099	LF		Box Beam Median Barrier (Rustic) Excludes Splices.....	83.53	8.44
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0100			Shop Curved, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0101	LF		Shop Curved Box Beam Median Barrier Galvanized.....	93.76	8.44
			Note: Excludes splices.		
			<i>For Shop Curved At <20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0102	LF		Shop Curved Box Beam Median Barrier Rustic.....	114.39	8.44
			Note: Excludes splices.		
			<i>For Shop Curved At <20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0103			Box Beam Median Barrier End Treatment Sections (34 71 13 26-0095) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA		Box Beam Median Barrier Type A End Treatment Section, Galvanized	2,367.62	28.12
			Note: Excludes splices and post.		
34 71 13 26-0105	EA		Box Beam Median Barrier Type A End Treatment Section (Rustic).....	2,422.60	28.12
			Note: Excludes splices and post.		
34 71 13 26-0106	EA		Box Beam Median Barrier Type B End Treatment Section, Galvanized	2,367.62	28.12
			Note: Excludes splices and post.		
34 71 13 26-0107	EA		Box Beam Median Barrier Type B End Treatment Section (Rustic).....	2,422.60	28.12
			Note: Excludes splices and post.		
34 71 13 26-0108			Splices For Box Beam Median Barrier (34 71 13 26-0095)		
34 71 13 26-0109	EA		Splice for Box Beam Median Barrier.....	181.22	22.50
34 71 13 26-0110	EA		Splice for Box Beam Median Barrier (Rustic).....	284.32	22.50
34 71 13 26-0111			Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0095) Note: Includes all associated hardware.		
34 71 13 26-0112	EA		Standard Post for Box Beam Median Barrier	163.74	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	
34 71 13 26-0113	EA		Standard Post (Rustic) for Box Beam Median Barrier.....	170.61	40.32
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For Installation In Rock, Add</i>	10.75	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	34 71	13 26-0114	EA	Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	177.48 -5.00 10.75	40.32
	34 71	13 26-0115	EA	Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.36 -5.00 10.75	40.32
	34 71	13 26-0116	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	149.99 -5.00 10.75	40.32
	34 71	13 26-0117	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	149.99 -5.00 10.75	40.32
	34 71	13 26-0118	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	177.48 -5.00 10.75	40.32
	34 71	13 26-0119	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	184.36 -5.00 10.75	40.32
	34 71	13 26-0120		Box Beam Median Barrier Accessories (34 71 13 26-0095)		
	34 71	13 26-0121	EA	Box Beam Median Barrier End Cover Plate.....	115.92	19.80
	34 71	13 26-0122	EA	Box Beam Median Barrier End Cover Plate (Rustic)	122.79	19.80
	34 71	13 26-0123		Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0095) Note: For existing guide rail.		
	34 71	13 26-0124	LF	Removal And Storage Of Box Beam Median Barrier and Posts	3.83	
	34 71	13 26-0125	LF	Reset Box Beam Median Barrier	11.32	
	34 71	13 26-0126		Universal Guide Rail Items (34 71 13 26)		
	34 71	13 26-0127		Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0126) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
	34 71	13 26-0128	CY	Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	628.00 38.00	
	34 71	13 26-0129	EA	Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	430.05	
	34 71	13 26-0130	EA	Removal Of Guide Rail Concrete Anchor Unit.....	456.31	
	34 71	13 26-0131		Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0126) Note: All tasks include associated hardware.		
	34 71	13 26-0132	EA	Straighten And Reset Driven Post For Guide Rail	53.76	
	34 71	13 26-0133	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	63.66	
				Note: With base plate for guide rail. Includes new anchor bolts.		
	34 71	13 26-0134		Additional Wood and Steel Posts (34 71 13 26-0126)		
	34 71	13 26-0135	LF	4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	50.60 3.59	13.47
	34 71	13 26-0136	LF	6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	60.91 3.59	13.47
	34 71	13 26-0137	LF	6" x 7/8" Galvanized Steel Post	37.42	13.47
	34 71	13 26-0138	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete.....	357.19	13.47
	34 71	13 26-0139		Accessories For All Types of Guide Rail (34 71 13 26-0126)		
	34 71	13 26-0140	EA	Reflector For Guard Rail	44.39	
	34 71	13 26-0141		Guide Rail Transitions (34 71 13 26)		
	34 71	13 26-0142		Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and cable end assembly.		
	34 71	13 26-0143	EA	Box Beam To Corrugated Beam Rail Bolted Section.....	662.89	
	34 71	13 26-0144	EA	Box Beam To Corrugated Beam Rail Bolted Plate	387.95	
				Note: For making cable connections.		
	34 71	13 26-0145		Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0141) Note: Use cable guide rail section for anchor angle and cable end assembly.		
	34 71	13 26-0146	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	676.64	
	34 71	13 26-0147	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	387.95	
				Note: For making cable connections.		
	34 71	13 26-0148		Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.		

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0149 EA Box Beam to Cable Guide Rail U-bolt And Plate	93.79	15.00
34 71 13 26-0150 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0141)		
Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.		
34 71 13 26-0151 EA Box Beam Median Barrier To Concrete Barrier End Connection	937.83	
34 71 13 26-0152 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0141)		
34 71 13 26-0153 EA Thrie Beam Terminal Connector At Concrete Median Barrier	594.16	
34 71 13 26-0154 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail	765.99	
34 71 13 26-0155 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0156 Cable Guide Rail (34 71 13 26-0155)		
34 71 13 26-0157 LF Cable (Each Cable).....	8.56	2.02
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0158 EA Cable Splice With Wedges	224.95	14.06
34 71 13 26-0159 Cable Guide Rail Posts (34 71 13 26-0155)		
Note: Includes hardware for cable mounting.		
34 71 13 26-0160 EA Standard Post for Cable Guide Rail	156.86	40.32
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	10.75	
34 71 13 26-0161 EA Standard Post (Rustic) for Cable Guide Rail	163.74	40.32
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	10.75	
34 71 13 26-0162 EA Extra Long Post for Cable Guide Rail	163.74	40.32
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	10.75	
34 71 13 26-0163 EA Extra Long Post (Rustic) for Cable Guide Rail	170.61	40.32
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	10.75	
34 71 13 26-0164 EA Slip Impact Post Top for Anchor Unit	103.99	16.13
34 71 13 26-0165 EA Slip Impact Post Base and Keeper Plate	275.83	16.13
Note: For anchor unit.		
34 71 13 26-0166 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0155)		
34 71 13 26-0167 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	484.18	187.86
34 71 13 26-0168 EA Turnbuckle Cable End Assembly	149.99	9.39
34 71 13 26-0169 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	487.36	4.66
34 71 13 26-0170 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	501.11	4.66
34 71 13 26-0171 EA Breakaway Anchor Angle	191.23	9.39
34 71 13 26-0172 EA Standard End Post Cap Assembly	88.70	4.66
34 71 13 26-0173 EA Driveway End Post Cap Assembly	74.96	4.66
34 71 13 26-0174 EA End Post Ground Support Plates	40.59	4.66
34 71 13 26-0175 EA 11" Stud Bolt, Cable Guide Rail	35.43	4.66
34 71 13 26-0176 EA 18" Stud Bolt, Cable Guide Rail	42.31	4.66
34 71 13 26-0177 EA 25" Stud Bolt, Cable Guide Rail	49.18	4.66
34 71 13 26-0178 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	424.93	9.39
34 71 13 26-0179 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	452.42	9.39
34 71 13 26-0180 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	301.21	9.39
34 71 13 26-0181 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail	184.93	4.66
34 71 13 26-0182 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	191.23	9.39
34 71 13 26-0183 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	204.33	14.06
34 71 13 26-0184 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0155)		
34 71 13 26-0185 EA Turnbuckle Cable End Assembly	341.00	13.47
Note: For use with slip impact post.		
34 71 13 26-0186 EA Spring Cable End Assembly (Compensating Device)	670.93	13.47
Note: For use with slip impact post.		
34 71 13 26-0187 EA Anchor Angle For Slip Impact Post System	196.66	13.47
34 71 13 26-0188 EA Cable End Assembly Rod	162.29	13.47
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0189 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0155)		
Note: All tasks include associated hardware.		
34 71 13 26-0190 LF Retention Existing Cable (Each Cable)	1.25	
34 71 13 26-0191 LF Removal And Storage Of Cable Guide Railing	7.55	
34 71 13 26-0192 EA Install Stored Post For Cable Guide Railing	53.76	
34 71 13 26-0193 LF Install Stored Cable, (Each Cable)	3.34	
Note: Includes retensioning. Excludes splices.		
34 71 13 26-0194 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0195 Timber Guide Rail Posts (34 71 13 26-0194)		
34 71 13 26-0196 EA 6" x 8" Timber Guide Rail Post	81.55	9.37
34 71 13 26-0197 EA 6" x 9" Timber Guide Rail Post	92.91	9.37
34 71 13 26-0198 EA 10" x 10" Timber Guide Rail Post	181.96	9.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199	EA	10" x 12" Timber Guide Rail Post	192.58	9.37
34 71 13 26-0200	EA	12" x 12" Timber Guide Rail Post	222.86	9.37
34 71 13 26-0201		Timber Guide Rails <small>(34 71 13 26-0194)</small>		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0202	LF	4" x 8" Timber Guide Rail.....	9.25	1.12
34 71 13 26-0203	LF	4" x 9" Timber Guide Rail.....	10.12	1.12
34 71 13 26-0204	LF	6" x 10" Timber Guide Rail.....	14.21	1.12
34 71 13 26-0205	LF	6" x 12" Timber Guide Rail.....	16.61	1.12
34 71 13 26-0206		Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0207	EA	4" x 9" Spacer Block For Timber Guide Rails	13.18	1.49
34 71 13 26-0208	EA	6" x 8" Spacer Block For Timber Guide Rails	15.14	1.49
34 71 13 26-0209	EA	8" x 8" Spacer Block For Timber Guide Rails	17.64	1.49
34 71 13 26-0210		Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0211	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	18.26	0.93
34 71 13 26-0212		Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0213	EA	Weathering Steel Splice Plate For Timber Guide Rails	127.48	13.12
34 71 13 26-0214	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	80.04	9.37
34 71 13 26-0215		Individual Concrete Guard Rail Posts <small>(34 71 13 26)</small>		
34 71 13 26-0216	EA	6'-5" Concrete Guard Rail Posts, Round.....	87.67	5.72
34 71 13 26-0217	EA	6'-5" Concrete Posts, Square.....	97.92	6.43
34 71 13 26-0218	EA	6'-5" Concrete Posts, Triangular	95.12	6.43

END OF SECTION 34

34 Transportation

34 70 Transportation Construction and Equipment

34 71 Roadway Construction

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment (35)

35 22 Hydraulic Gates (35 20)

35 22 59 Hydraulic Closure Gates (35 22)

35 22 59 00-0001 316L Stainless Steel, Pontoon Tide Gates (35 22 59)

35 22 59 00-0002	EA 24" x 24", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	22,937.55		436.14
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0003	EA 30" x 30", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	24,387.51		498.45
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0004	EA 36" x 36", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	25,268.26		623.08
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0005	EA 42" x 42", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	27,513.12		758.50
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0006	EA 48" x 48", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	31,997.64		1,026.24
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0007	EA 54" x 54", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	35,671.69		1,453.81
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0008	EA 60" x 60", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	42,671.40		2,180.70
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0009	EA 66" x 66", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	47,544.30		3,489.12
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,019.15		
35 22 59 00-0010	EA 72" x 72", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	51,690.29		4,361.39
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,692.20		
35 22 59 00-0011	EA 78" x 78", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	55,432.46		5,233.67
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,692.20		
35 22 59 00-0012	EA 84" x 84", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	63,338.45		6,100.50
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,692.20		
35 22 59 00-0013	EA 90" x 90", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	71,513.66		6,967.33
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,692.20		
35 22 59 00-0014	EA 96" x 96", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	80,716.29		8,046.78
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,692.20		
35 22 59 00-0015	EA 102" x 102", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	91,483.09		9,257.06
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,365.25		
35 22 59 00-0016	EA 108" x 108", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	102,115.27		10,467.35
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,365.25		
35 22 59 00-0017	EA 114" x 114", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	117,255.17		13,816.90
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,365.25		
35 22 59 00-0018	EA 120" x 120", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	133,216.99		17,336.55
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,038.30		
35 22 59 00-0019	EA 132" x 132", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	162,770.61		20,934.65
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,038.30		
35 22 59 00-0020	EA 144" x 144", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	196,779.94		25,187.05
	<i>For Pull Box, Add</i>	1,144.18		
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,711.35		

END OF SECTION 35

35 Waterway and Marine Construction

35 20 Waterway and Marine Construction and Equipment

35 22 Hydraulic Gates

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections (40)

40 05 19 Ductile Iron Process Pipe (40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <small>(40 05 19)</small> <small>Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.</small>		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	509.48	162.13
	For Class 52 Rating, Deduct	-29.02	
	For Class 54 Rating, Add	19.79	
	For Class 55 Rating, Add	43.98	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	542.01	164.97
	For Class 52 Rating, Deduct	-32.13	
	For Class 54 Rating, Add	21.90	
	For Class 55 Rating, Add	48.68	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.53	167.80
	For Class 52 Rating, Deduct	-35.23	
	For Class 54 Rating, Add	24.02	
	For Class 55 Rating, Add	53.39	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	607.05	170.64
	For Class 52 Rating, Deduct	-38.34	
	For Class 54 Rating, Add	26.14	
	For Class 55 Rating, Add	58.09	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	639.57	173.48
	For Class 52 Rating, Deduct	-41.44	
	For Class 54 Rating, Add	28.25	
	For Class 55 Rating, Add	62.80	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.10	176.31
	For Class 52 Rating, Deduct	-44.55	
	For Class 54 Rating, Add	30.37	
	For Class 55 Rating, Add	67.51	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	704.63	179.15
	For Class 52 Rating, Deduct	-47.65	
	For Class 54 Rating, Add	32.49	
	For Class 55 Rating, Add	72.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	737.13	181.98
	For Class 52 Rating, Deduct	-50.76	
	For Class 54 Rating, Add	34.61	
	For Class 55 Rating, Add	76.92	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.66	184.82
	For Class 52 Rating, Deduct	-53.86	
	For Class 54 Rating, Add	36.72	
	For Class 55 Rating, Add	81.62	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.18	187.65
	For Class 52 Rating, Deduct	-56.97	
	For Class 54 Rating, Add	38.84	
	For Class 55 Rating, Add	86.33	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.71	190.48
	For Class 52 Rating, Deduct	-60.07	
	For Class 54 Rating, Add	40.96	
	For Class 55 Rating, Add	91.03	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.22	193.31
	For Class 52 Rating, Deduct	-63.18	
	For Class 54 Rating, Add	43.07	
	For Class 55 Rating, Add	95.74	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.75	196.15
	For Class 52 Rating, Deduct	-66.28	
	For Class 54 Rating, Add	45.19	
	For Class 55 Rating, Add	100.45	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.27	198.98
	For Class 52 Rating, Deduct	-69.39	
	For Class 54 Rating, Add	47.31	
	For Class 55 Rating, Add	105.15	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	964.80	201.82
	For Class 52 Rating, Deduct	-72.49	
	For Class 54 Rating, Add	49.43	
	For Class 55 Rating, Add	109.86	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	997.33	204.66
	For Class 52 Rating, Deduct	-75.60	
	For Class 54 Rating, Add	51.54	
	For Class 55 Rating, Add	114.56	
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,029.84	207.49
	For Class 52 Rating, Deduct	-78.70	
	For Class 54 Rating, Add	53.66	
	For Class 55 Rating, Add	119.27	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.37	210.33
		<i>For Class 52 Rating, Deduct</i>	-81.81	
		<i>For Class 54 Rating, Add</i>	55.78	
		<i>For Class 55 Rating, Add</i>	123.97	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,094.89	213.16
		<i>For Class 52 Rating, Deduct</i>	-84.91	
		<i>For Class 54 Rating, Add</i>	57.89	
		<i>For Class 55 Rating, Add</i>	128.68	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,127.42	216.00
		<i>For Class 52 Rating, Deduct</i>	-88.02	
		<i>For Class 54 Rating, Add</i>	60.01	
		<i>For Class 55 Rating, Add</i>	133.39	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,159.93	218.83
		<i>For Class 52 Rating, Deduct</i>	-91.12	
		<i>For Class 54 Rating, Add</i>	62.13	
		<i>For Class 55 Rating, Add</i>	138.09	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.45	221.66
		<i>For Class 52 Rating, Deduct</i>	-94.23	
		<i>For Class 54 Rating, Add</i>	64.25	
		<i>For Class 55 Rating, Add</i>	142.80	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.97	224.49
		<i>For Class 52 Rating, Deduct</i>	-97.33	
		<i>For Class 54 Rating, Add</i>	66.36	
		<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,257.50	227.33
		<i>For Class 52 Rating, Deduct</i>	-100.44	
		<i>For Class 54 Rating, Add</i>	68.48	
		<i>For Class 55 Rating, Add</i>	152.21	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.01	230.16
		<i>For Class 52 Rating, Deduct</i>	-103.54	
		<i>For Class 54 Rating, Add</i>	70.60	
		<i>For Class 55 Rating, Add</i>	156.91	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.54	233.00
		<i>For Class 52 Rating, Deduct</i>	-106.65	
		<i>For Class 54 Rating, Add</i>	72.71	
		<i>For Class 55 Rating, Add</i>	161.62	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,355.07	235.84
		<i>For Class 52 Rating, Deduct</i>	-109.75	
		<i>For Class 54 Rating, Add</i>	74.83	
		<i>For Class 55 Rating, Add</i>	166.32	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.59	238.67
		<i>For Class 52 Rating, Deduct</i>	-112.86	
		<i>For Class 54 Rating, Add</i>	76.95	
		<i>For Class 55 Rating, Add</i>	171.03	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,420.12	241.51
		<i>For Class 52 Rating, Deduct</i>	-115.96	
		<i>For Class 54 Rating, Add</i>	79.07	
		<i>For Class 55 Rating, Add</i>	175.74	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.63	244.34
		<i>For Class 52 Rating, Deduct</i>	-119.07	
		<i>For Class 54 Rating, Add</i>	81.18	
		<i>For Class 55 Rating, Add</i>	180.44	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.16	247.18
		<i>For Class 52 Rating, Deduct</i>	-122.17	
		<i>For Class 54 Rating, Add</i>	83.30	
		<i>For Class 55 Rating, Add</i>	185.15	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.68	250.01
		<i>For Class 52 Rating, Deduct</i>	-125.28	
		<i>For Class 54 Rating, Add</i>	85.42	
		<i>For Class 55 Rating, Add</i>	189.85	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,550.21	252.85
		<i>For Class 52 Rating, Deduct</i>	-128.38	
		<i>For Class 54 Rating, Add</i>	87.53	
		<i>For Class 55 Rating, Add</i>	194.56	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.72	255.67
		<i>For Class 52 Rating, Deduct</i>	-131.49	
		<i>For Class 54 Rating, Add</i>	89.65	
		<i>For Class 55 Rating, Add</i>	199.26	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.25	258.51
		<i>For Class 52 Rating, Deduct</i>	-134.59	
		<i>For Class 54 Rating, Add</i>	91.77	
		<i>For Class 55 Rating, Add</i>	203.97	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.77	261.34
		<i>For Class 52 Rating, Deduct</i>	-137.70	
		<i>For Class 54 Rating, Add</i>	93.88	
		<i>For Class 55 Rating, Add</i>	208.67	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,680.29	264.18
		<i>For Class 52 Rating, Deduct</i>	-140.80	
		<i>For Class 54 Rating, Add</i>	96.00	
		<i>For Class 55 Rating, Add</i>	213.38	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,712.81	267.02
		<i>For Class 52 Rating, Deduct</i>	-143.91	
		<i>For Class 54 Rating, Add</i>	98.12	
		<i>For Class 55 Rating, Add</i>	218.08	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.33	269.85
		<i>For Class 52 Rating, Deduct</i>	-147.01	
		<i>For Class 54 Rating, Add</i>	100.24	
		<i>For Class 55 Rating, Add</i>	222.79	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-0043	6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044	EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	644.71	204.09
	For Class 52 Rating, Deduct	-36.90	
	For Class 54 Rating, Add	25.16	
	For Class 55 Rating, Add	55.92	
40 05 19 00-0045	EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	683.74	206.93
	For Class 52 Rating, Deduct	-40.72	
	For Class 54 Rating, Add	27.77	
	For Class 55 Rating, Add	61.72	
40 05 19 00-0046	EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	722.78	209.75
	For Class 52 Rating, Deduct	-44.55	
	For Class 54 Rating, Add	30.37	
	For Class 55 Rating, Add	67.51	
40 05 19 00-0047	EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.81	212.59
	For Class 52 Rating, Deduct	-48.37	
	For Class 54 Rating, Add	32.98	
	For Class 55 Rating, Add	73.30	
40 05 19 00-0048	EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	800.84	215.42
	For Class 52 Rating, Deduct	-52.19	
	For Class 54 Rating, Add	35.58	
	For Class 55 Rating, Add	79.09	
40 05 19 00-0049	EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	839.88	218.26
	For Class 52 Rating, Deduct	-56.01	
	For Class 54 Rating, Add	38.19	
	For Class 55 Rating, Add	84.88	
40 05 19 00-0050	EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	878.92	221.09
	For Class 52 Rating, Deduct	-59.83	
	For Class 54 Rating, Add	40.79	
	For Class 55 Rating, Add	90.67	
40 05 19 00-0051	EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	917.96	223.93
	For Class 52 Rating, Deduct	-63.65	
	For Class 54 Rating, Add	43.40	
	For Class 55 Rating, Add	96.46	
40 05 19 00-0052	EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	956.99	226.77
	For Class 52 Rating, Deduct	-67.48	
	For Class 54 Rating, Add	46.01	
	For Class 55 Rating, Add	102.26	
40 05 19 00-0053	EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.03	229.60
	For Class 52 Rating, Deduct	-71.30	
	For Class 54 Rating, Add	48.61	
	For Class 55 Rating, Add	108.05	
40 05 19 00-0054	EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,035.06	232.44
	For Class 52 Rating, Deduct	-75.12	
	For Class 54 Rating, Add	51.22	
	For Class 55 Rating, Add	113.84	
40 05 19 00-0055	EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.10	235.27
	For Class 52 Rating, Deduct	-78.94	
	For Class 54 Rating, Add	53.82	
	For Class 55 Rating, Add	119.63	
40 05 19 00-0056	EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,113.14	238.11
	For Class 52 Rating, Deduct	-82.76	
	For Class 54 Rating, Add	56.43	
	For Class 55 Rating, Add	125.42	
40 05 19 00-0057	EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,152.18	240.93
	For Class 52 Rating, Deduct	-86.58	
	For Class 54 Rating, Add	59.03	
	For Class 55 Rating, Add	131.21	
40 05 19 00-0058	EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,191.22	243.77
	For Class 52 Rating, Deduct	-90.40	
	For Class 54 Rating, Add	61.64	
	For Class 55 Rating, Add	137.00	
40 05 19 00-0059	EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.25	246.60
	For Class 52 Rating, Deduct	-94.23	
	For Class 54 Rating, Add	64.25	
	For Class 55 Rating, Add	142.80	
40 05 19 00-0060	EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,269.29	249.44
	For Class 52 Rating, Deduct	-98.05	
	For Class 54 Rating, Add	66.85	
	For Class 55 Rating, Add	148.59	
40 05 19 00-0061	EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.31	252.27
	For Class 52 Rating, Deduct	-101.87	
	For Class 54 Rating, Add	69.46	
	For Class 55 Rating, Add	154.38	
40 05 19 00-0062	EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.36	255.11
	For Class 52 Rating, Deduct	-105.69	
	For Class 54 Rating, Add	72.06	
	For Class 55 Rating, Add	160.17	
40 05 19 00-0063	EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,386.39	257.95
	For Class 52 Rating, Deduct	-109.51	
	For Class 54 Rating, Add	74.67	
	For Class 55 Rating, Add	165.96	
40 05 19 00-0064	EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,425.43	260.78
	For Class 52 Rating, Deduct	-113.33	
	For Class 54 Rating, Add	77.27	
	For Class 55 Rating, Add	171.75	
40 05 19 00-0065	EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.46	263.62
	For Class 52 Rating, Deduct	-117.16	
	For Class 54 Rating, Add	79.88	
	For Class 55 Rating, Add	177.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.50	266.45
	For Class 52 Rating, Deduct	-120.98	
	For Class 54 Rating, Add	82.48	
	For Class 55 Rating, Add	183.33	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.55	269.29
	For Class 52 Rating, Deduct	-124.80	
	For Class 54 Rating, Add	85.09	
	For Class 55 Rating, Add	189.13	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,581.58	272.12
	For Class 52 Rating, Deduct	-128.62	
	For Class 54 Rating, Add	87.70	
	For Class 55 Rating, Add	194.92	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.62	274.95
	For Class 52 Rating, Deduct	-132.44	
	For Class 54 Rating, Add	90.30	
	For Class 55 Rating, Add	200.71	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.65	277.78
	For Class 52 Rating, Deduct	-136.26	
	For Class 54 Rating, Add	92.91	
	For Class 55 Rating, Add	206.50	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.69	280.62
	For Class 52 Rating, Deduct	-140.09	
	For Class 54 Rating, Add	95.51	
	For Class 55 Rating, Add	212.29	
40 05 19 00-0072	EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,737.72	283.45
	For Class 52 Rating, Deduct	-143.91	
	For Class 54 Rating, Add	98.12	
	For Class 55 Rating, Add	218.08	
40 05 19 00-0073	EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.77	286.29
	For Class 52 Rating, Deduct	-147.73	
	For Class 54 Rating, Add	100.72	
	For Class 55 Rating, Add	223.88	
40 05 19 00-0074	EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,815.80	289.13
	For Class 52 Rating, Deduct	-151.55	
	For Class 54 Rating, Add	103.33	
	For Class 55 Rating, Add	229.67	
40 05 19 00-0075	EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.83	291.96
	For Class 52 Rating, Deduct	-155.37	
	For Class 54 Rating, Add	105.94	
	For Class 55 Rating, Add	235.46	
40 05 19 00-0076	EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.87	294.80
	For Class 52 Rating, Deduct	-159.19	
	For Class 54 Rating, Add	108.54	
	For Class 55 Rating, Add	241.25	
40 05 19 00-0077	EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.90	297.63
	For Class 52 Rating, Deduct	-163.01	
	For Class 54 Rating, Add	111.15	
	For Class 55 Rating, Add	247.04	
40 05 19 00-0078	EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.95	300.47
	For Class 52 Rating, Deduct	-166.84	
	For Class 54 Rating, Add	113.75	
	For Class 55 Rating, Add	252.83	
40 05 19 00-0079	EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.98	303.30
	For Class 52 Rating, Deduct	-170.66	
	For Class 54 Rating, Add	116.36	
	For Class 55 Rating, Add	258.63	
40 05 19 00-0080	EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,050.02	306.13
	For Class 52 Rating, Deduct	-174.48	
	For Class 54 Rating, Add	118.96	
	For Class 55 Rating, Add	264.42	
40 05 19 00-0081	EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.05	308.96
	For Class 52 Rating, Deduct	-178.30	
	For Class 54 Rating, Add	121.57	
	For Class 55 Rating, Add	270.21	
40 05 19 00-0082	EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.09	311.80
	For Class 52 Rating, Deduct	-182.12	
	For Class 54 Rating, Add	124.17	
	For Class 55 Rating, Add	276.00	

40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0084	EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	889.10	260.78
	For Class 52 Rating, Deduct	-54.34	
	For Class 54 Rating, Add	37.05	
	For Class 55 Rating, Add	82.35	
40 05 19 00-0085	EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	941.16	263.62
	For Class 52 Rating, Deduct	-59.59	
	For Class 54 Rating, Add	40.63	
	For Class 55 Rating, Add	90.31	
40 05 19 00-0086	EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.23	266.45
	For Class 52 Rating, Deduct	-64.85	
	For Class 54 Rating, Add	44.21	
	For Class 55 Rating, Add	98.27	
40 05 19 00-0087	EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,045.30	269.29
	For Class 52 Rating, Deduct	-70.10	
	For Class 54 Rating, Add	47.80	
	For Class 55 Rating, Add	106.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.36	272.12
			<i>For Class 52 Rating, Deduct</i>	-75.36	
			<i>For Class 54 Rating, Add</i>	51.38	
			<i>For Class 55 Rating, Add</i>	114.20	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,149.43	274.95
			<i>For Class 52 Rating, Deduct</i>	-80.61	
			<i>For Class 54 Rating, Add</i>	54.96	
			<i>For Class 55 Rating, Add</i>	122.16	
40 05 19 00-0090	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,201.49	277.78
			<i>For Class 52 Rating, Deduct</i>	-65.87	
			<i>For Class 54 Rating, Add</i>	58.55	
			<i>For Class 55 Rating, Add</i>	130.13	
40 05 19 00-0091	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,253.56	280.62
			<i>For Class 52 Rating, Deduct</i>	-91.12	
			<i>For Class 54 Rating, Add</i>	62.13	
			<i>For Class 55 Rating, Add</i>	138.09	
40 05 19 00-0092	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,305.62	283.45
			<i>For Class 52 Rating, Deduct</i>	-96.38	
			<i>For Class 54 Rating, Add</i>	65.71	
			<i>For Class 55 Rating, Add</i>	146.05	
40 05 19 00-0093	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.69	286.29
			<i>For Class 52 Rating, Deduct</i>	-101.63	
			<i>For Class 54 Rating, Add</i>	69.29	
			<i>For Class 55 Rating, Add</i>	154.02	
40 05 19 00-0094	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.75	289.13
			<i>For Class 52 Rating, Deduct</i>	-106.88	
			<i>For Class 54 Rating, Add</i>	72.88	
			<i>For Class 55 Rating, Add</i>	161.98	
40 05 19 00-0095	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,461.81	291.96
			<i>For Class 52 Rating, Deduct</i>	-112.14	
			<i>For Class 54 Rating, Add</i>	76.46	
			<i>For Class 55 Rating, Add</i>	169.94	
40 05 19 00-0096	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,513.88	294.80
			<i>For Class 52 Rating, Deduct</i>	-117.39	
			<i>For Class 54 Rating, Add</i>	80.04	
			<i>For Class 55 Rating, Add</i>	177.91	
40 05 19 00-0097	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,565.94	297.63
			<i>For Class 52 Rating, Deduct</i>	-122.65	
			<i>For Class 54 Rating, Add</i>	83.62	
			<i>For Class 55 Rating, Add</i>	185.87	
40 05 19 00-0098	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,618.01	300.47
			<i>For Class 52 Rating, Deduct</i>	-127.90	
			<i>For Class 54 Rating, Add</i>	87.21	
			<i>For Class 55 Rating, Add</i>	193.83	
40 05 19 00-0099	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,670.07	303.30
			<i>For Class 52 Rating, Deduct</i>	-133.16	
			<i>For Class 54 Rating, Add</i>	90.79	
			<i>For Class 55 Rating, Add</i>	201.80	
40 05 19 00-0100	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.14	306.13
			<i>For Class 52 Rating, Deduct</i>	-138.41	
			<i>For Class 54 Rating, Add</i>	94.37	
			<i>For Class 55 Rating, Add</i>	209.76	
40 05 19 00-0101	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.20	308.96
			<i>For Class 52 Rating, Deduct</i>	-143.67	
			<i>For Class 54 Rating, Add</i>	97.96	
			<i>For Class 55 Rating, Add</i>	217.72	
40 05 19 00-0102	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,826.27	311.80
			<i>For Class 52 Rating, Deduct</i>	-148.92	
			<i>For Class 54 Rating, Add</i>	101.54	
			<i>For Class 55 Rating, Add</i>	225.69	
40 05 19 00-0103	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,878.33	314.63
			<i>For Class 52 Rating, Deduct</i>	-154.18	
			<i>For Class 54 Rating, Add</i>	105.12	
			<i>For Class 55 Rating, Add</i>	233.65	
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.40	317.47
			<i>For Class 52 Rating, Deduct</i>	-159.43	
			<i>For Class 54 Rating, Add</i>	108.70	
			<i>For Class 55 Rating, Add</i>	241.61	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,982.46	320.31
			<i>For Class 52 Rating, Deduct</i>	-164.69	
			<i>For Class 54 Rating, Add</i>	112.29	
			<i>For Class 55 Rating, Add</i>	249.57	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,034.53	323.14
			<i>For Class 52 Rating, Deduct</i>	-169.94	
			<i>For Class 54 Rating, Add</i>	115.87	
			<i>For Class 55 Rating, Add</i>	257.54	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.60	325.98
			<i>For Class 52 Rating, Deduct</i>	-175.20	
			<i>For Class 54 Rating, Add</i>	119.45	
			<i>For Class 55 Rating, Add</i>	265.50	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,138.66	328.81
			<i>For Class 52 Rating, Deduct</i>	-180.45	
			<i>For Class 54 Rating, Add</i>	123.03	
			<i>For Class 55 Rating, Add</i>	273.46	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.72	331.65
			<i>For Class 52 Rating, Deduct</i>	-185.71	
			<i>For Class 54 Rating, Add</i>	126.62	
			<i>For Class 55 Rating, Add</i>	281.43	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,242.78	334.48
		<i>For Class 52 Rating, Deduct</i>	-190.96	
		<i>For Class 54 Rating, Add</i>	130.20	
		<i>For Class 55 Rating, Add</i>	289.39	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,294.85	337.31
		<i>For Class 52 Rating, Deduct</i>	-196.21	
		<i>For Class 54 Rating, Add</i>	133.78	
		<i>For Class 55 Rating, Add</i>	297.35	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.91	340.14
		<i>For Class 52 Rating, Deduct</i>	-201.47	
		<i>For Class 54 Rating, Add</i>	137.37	
		<i>For Class 55 Rating, Add</i>	305.32	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,398.98	342.98
		<i>For Class 52 Rating, Deduct</i>	-206.72	
		<i>For Class 54 Rating, Add</i>	140.95	
		<i>For Class 55 Rating, Add</i>	313.28	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,451.04	345.81
		<i>For Class 52 Rating, Deduct</i>	-211.98	
		<i>For Class 54 Rating, Add</i>	144.53	
		<i>For Class 55 Rating, Add</i>	321.24	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.11	348.65
		<i>For Class 52 Rating, Deduct</i>	-217.23	
		<i>For Class 54 Rating, Add</i>	148.11	
		<i>For Class 55 Rating, Add</i>	329.21	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,555.18	351.49
		<i>For Class 52 Rating, Deduct</i>	-222.49	
		<i>For Class 54 Rating, Add</i>	151.70	
		<i>For Class 55 Rating, Add</i>	337.17	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,607.24	354.32
		<i>For Class 52 Rating, Deduct</i>	-227.74	
		<i>For Class 54 Rating, Add</i>	155.28	
		<i>For Class 55 Rating, Add</i>	345.13	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,659.31	357.16
		<i>For Class 52 Rating, Deduct</i>	-233.00	
		<i>For Class 54 Rating, Add</i>	158.86	
		<i>For Class 55 Rating, Add</i>	353.10	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.37	359.99
		<i>For Class 52 Rating, Deduct</i>	-238.25	
		<i>For Class 54 Rating, Add</i>	162.44	
		<i>For Class 55 Rating, Add</i>	361.06	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,763.44	362.83
		<i>For Class 52 Rating, Deduct</i>	-243.51	
		<i>For Class 54 Rating, Add</i>	166.03	
		<i>For Class 55 Rating, Add</i>	369.02	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.50	365.66
		<i>For Class 52 Rating, Deduct</i>	-248.76	
		<i>For Class 54 Rating, Add</i>	169.61	
		<i>For Class 55 Rating, Add</i>	376.99	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,867.56	368.50
		<i>For Class 52 Rating, Deduct</i>	-254.02	
		<i>For Class 54 Rating, Add</i>	173.19	
		<i>For Class 55 Rating, Add</i>	384.95	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,115.06	317.47
		<i>For Class 52 Rating, Deduct</i>	-69.74	
		<i>For Class 54 Rating, Add</i>	47.55	
		<i>For Class 55 Rating, Add</i>	105.69	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,182.32	320.31
		<i>For Class 52 Rating, Deduct</i>	-76.67	
		<i>For Class 54 Rating, Add</i>	52.28	
		<i>For Class 55 Rating, Add</i>	116.19	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,249.59	323.14
		<i>For Class 52 Rating, Deduct</i>	-83.60	
		<i>For Class 54 Rating, Add</i>	57.00	
		<i>For Class 55 Rating, Add</i>	126.69	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.86	325.98
		<i>For Class 52 Rating, Deduct</i>	-90.52	
		<i>For Class 54 Rating, Add</i>	61.72	
		<i>For Class 55 Rating, Add</i>	137.19	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,384.11	328.81
		<i>For Class 52 Rating, Deduct</i>	-97.45	
		<i>For Class 54 Rating, Add</i>	66.44	
		<i>For Class 55 Rating, Add</i>	147.68	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.37	331.65
		<i>For Class 52 Rating, Deduct</i>	-104.38	
		<i>For Class 54 Rating, Add</i>	71.17	
		<i>For Class 55 Rating, Add</i>	158.18	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.63	334.48
		<i>For Class 52 Rating, Deduct</i>	-111.30	
		<i>For Class 54 Rating, Add</i>	75.89	
		<i>For Class 55 Rating, Add</i>	168.68	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.90	337.31
		<i>For Class 52 Rating, Deduct</i>	-118.23	
		<i>For Class 54 Rating, Add</i>	80.61	
		<i>For Class 55 Rating, Add</i>	179.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.16	340.14
			For Class 52 Rating, Deduct	-125.16	
			For Class 54 Rating, Add	85.33	
			For Class 55 Rating, Add	189.67	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,720.43	342.98
			For Class 52 Rating, Deduct	-132.08	
			For Class 54 Rating, Add	90.06	
			For Class 55 Rating, Add	200.17	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,787.69	345.81
			For Class 52 Rating, Deduct	-139.01	
			For Class 54 Rating, Add	94.78	
			For Class 55 Rating, Add	210.66	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.96	348.65
			For Class 52 Rating, Deduct	-145.94	
			For Class 54 Rating, Add	99.50	
			For Class 55 Rating, Add	221.16	
40 05 19 00-0136	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.23	351.49
			For Class 52 Rating, Deduct	-152.86	
			For Class 54 Rating, Add	104.23	
			For Class 55 Rating, Add	231.66	
40 05 19 00-0137	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.49	354.32
			For Class 52 Rating, Deduct	-159.79	
			For Class 54 Rating, Add	108.95	
			For Class 55 Rating, Add	242.16	
40 05 19 00-0138	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,056.76	357.16
			For Class 52 Rating, Deduct	-166.72	
			For Class 54 Rating, Add	113.67	
			For Class 55 Rating, Add	252.65	
40 05 19 00-0139	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.02	359.99
			For Class 52 Rating, Deduct	-173.64	
			For Class 54 Rating, Add	118.39	
			For Class 55 Rating, Add	263.15	
40 05 19 00-0140	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,191.29	362.83
			For Class 52 Rating, Deduct	-180.57	
			For Class 54 Rating, Add	123.12	
			For Class 55 Rating, Add	273.65	
40 05 19 00-0141	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.55	365.66
			For Class 52 Rating, Deduct	-187.50	
			For Class 54 Rating, Add	127.84	
			For Class 55 Rating, Add	284.14	
40 05 19 00-0142	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,325.81	368.50
			For Class 52 Rating, Deduct	-194.42	
			For Class 54 Rating, Add	132.56	
			For Class 55 Rating, Add	294.64	
40 05 19 00-0143	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,393.07	371.32
			For Class 52 Rating, Deduct	-201.35	
			For Class 54 Rating, Add	137.28	
			For Class 55 Rating, Add	305.14	
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.34	374.16
			For Class 52 Rating, Deduct	-208.28	
			For Class 54 Rating, Add	142.01	
			For Class 55 Rating, Add	315.63	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,527.61	376.99
			For Class 52 Rating, Deduct	-215.20	
			For Class 54 Rating, Add	146.73	
			For Class 55 Rating, Add	326.13	
40 05 19 00-0146	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,594.86	379.83
			For Class 52 Rating, Deduct	-222.13	
			For Class 54 Rating, Add	151.45	
			For Class 55 Rating, Add	336.63	
40 05 19 00-0147	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,662.13	382.67
			For Class 52 Rating, Deduct	-229.06	
			For Class 54 Rating, Add	156.17	
			For Class 55 Rating, Add	347.12	
40 05 19 00-0148	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.39	385.50
			For Class 52 Rating, Deduct	-235.98	
			For Class 54 Rating, Add	160.90	
			For Class 55 Rating, Add	357.62	
40 05 19 00-0149	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.66	388.34
			For Class 52 Rating, Deduct	-242.91	
			For Class 54 Rating, Add	165.62	
			For Class 55 Rating, Add	368.12	
40 05 19 00-0150	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,863.92	391.17
			For Class 52 Rating, Deduct	-249.84	
			For Class 54 Rating, Add	170.34	
			For Class 55 Rating, Add	378.62	
40 05 19 00-0151	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.19	394.01
			For Class 52 Rating, Deduct	-256.76	
			For Class 54 Rating, Add	175.07	
			For Class 55 Rating, Add	389.11	
40 05 19 00-0152	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.45	396.84
			For Class 52 Rating, Deduct	-263.69	
			For Class 54 Rating, Add	179.79	
			For Class 55 Rating, Add	399.61	
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.72	399.68
			For Class 52 Rating, Deduct	-270.62	
			For Class 54 Rating, Add	184.51	
			For Class 55 Rating, Add	410.11	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,132.99	402.50
		<i>For Class 52 Rating, Deduct</i>	-277.54	
		<i>For Class 54 Rating, Add</i>	189.23	
		<i>For Class 55 Rating, Add</i>	420.60	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,199.16	405.34
		<i>For Class 52 Rating, Deduct</i>	-284.35	
		<i>For Class 54 Rating, Add</i>	193.88	
		<i>For Class 55 Rating, Add</i>	430.92	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,267.51	408.17
		<i>For Class 52 Rating, Deduct</i>	-291.40	
		<i>For Class 54 Rating, Add</i>	198.68	
		<i>For Class 55 Rating, Add</i>	441.60	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,334.77	411.01
		<i>For Class 52 Rating, Deduct</i>	-298.32	
		<i>For Class 54 Rating, Add</i>	203.40	
		<i>For Class 55 Rating, Add</i>	452.10	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,402.04	413.85
		<i>For Class 52 Rating, Deduct</i>	-305.25	
		<i>For Class 54 Rating, Add</i>	208.13	
		<i>For Class 55 Rating, Add</i>	462.59	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,469.30	416.68
		<i>For Class 52 Rating, Deduct</i>	-312.18	
		<i>For Class 54 Rating, Add</i>	212.85	
		<i>For Class 55 Rating, Add</i>	473.09	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.57	419.52
		<i>For Class 52 Rating, Deduct</i>	-319.10	
		<i>For Class 54 Rating, Add</i>	217.57	
		<i>For Class 55 Rating, Add</i>	483.59	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,603.83	422.35
		<i>For Class 52 Rating, Deduct</i>	-326.03	
		<i>For Class 54 Rating, Add</i>	222.29	
		<i>For Class 55 Rating, Add</i>	494.08	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,671.10	425.19
		<i>For Class 52 Rating, Deduct</i>	-332.96	
		<i>For Class 54 Rating, Add</i>	227.02	
		<i>For Class 55 Rating, Add</i>	504.58	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,450.27	396.84
		<i>For Class 52 Rating, Deduct</i>	-93.39	
		<i>For Class 54 Rating, Add</i>	63.68	
		<i>For Class 55 Rating, Add</i>	141.53	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,533.83	399.68
		<i>For Class 52 Rating, Deduct</i>	-102.11	
		<i>For Class 54 Rating, Add</i>	69.62	
		<i>For Class 55 Rating, Add</i>	154.74	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,617.38	402.50
		<i>For Class 52 Rating, Deduct</i>	-110.83	
		<i>For Class 54 Rating, Add</i>	75.56	
		<i>For Class 55 Rating, Add</i>	167.95	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.93	405.34
		<i>For Class 52 Rating, Deduct</i>	-119.54	
		<i>For Class 54 Rating, Add</i>	81.51	
		<i>For Class 55 Rating, Add</i>	181.16	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.47	408.17
		<i>For Class 52 Rating, Deduct</i>	-128.26	
		<i>For Class 54 Rating, Add</i>	87.45	
		<i>For Class 55 Rating, Add</i>	194.38	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,868.02	411.01
		<i>For Class 52 Rating, Deduct</i>	-136.98	
		<i>For Class 54 Rating, Add</i>	93.40	
		<i>For Class 55 Rating, Add</i>	207.59	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,951.57	413.85
		<i>For Class 52 Rating, Deduct</i>	-145.70	
		<i>For Class 54 Rating, Add</i>	99.34	
		<i>For Class 55 Rating, Add</i>	220.80	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,035.11	416.68
		<i>For Class 52 Rating, Deduct</i>	-154.42	
		<i>For Class 54 Rating, Add</i>	105.28	
		<i>For Class 55 Rating, Add</i>	234.01	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,118.67	419.52
		<i>For Class 52 Rating, Deduct</i>	-163.13	
		<i>For Class 54 Rating, Add</i>	111.23	
		<i>For Class 55 Rating, Add</i>	247.22	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,202.21	422.35
		<i>For Class 52 Rating, Deduct</i>	-171.85	
		<i>For Class 54 Rating, Add</i>	117.17	
		<i>For Class 55 Rating, Add</i>	260.43	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.77	425.19
		<i>For Class 52 Rating, Deduct</i>	-180.57	
		<i>For Class 54 Rating, Add</i>	123.12	
		<i>For Class 55 Rating, Add</i>	273.65	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,369.31	428.02
		<i>For Class 52 Rating, Deduct</i>	-189.29	
		<i>For Class 54 Rating, Add</i>	129.06	
		<i>For Class 55 Rating, Add</i>	286.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0176	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,452.87	430.86
			For Class 52 Rating, Deduct	-198.01	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.07	
40 05 19 00-0177	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,536.42	433.68
			For Class 52 Rating, Deduct	-206.72	
			For Class 54 Rating, Add	140.95	
			For Class 55 Rating, Add	313.28	
40 05 19 00-0178	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,619.97	436.52
			For Class 52 Rating, Deduct	-215.44	
			For Class 54 Rating, Add	146.89	
			For Class 55 Rating, Add	326.49	
40 05 19 00-0179	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,703.52	439.35
			For Class 52 Rating, Deduct	-224.16	
			For Class 54 Rating, Add	152.84	
			For Class 55 Rating, Add	339.70	
40 05 19 00-0180	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,787.07	442.19
			For Class 52 Rating, Deduct	-232.88	
			For Class 54 Rating, Add	158.78	
			For Class 55 Rating, Add	352.92	
40 05 19 00-0181	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,870.61	445.03
			For Class 52 Rating, Deduct	-241.60	
			For Class 54 Rating, Add	164.72	
			For Class 55 Rating, Add	366.13	
40 05 19 00-0182	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.16	447.86
			For Class 52 Rating, Deduct	-250.31	
			For Class 54 Rating, Add	170.67	
			For Class 55 Rating, Add	379.34	
40 05 19 00-0183	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,037.71	450.70
			For Class 52 Rating, Deduct	-259.03	
			For Class 54 Rating, Add	176.61	
			For Class 55 Rating, Add	392.55	
40 05 19 00-0184	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.25	453.53
			For Class 52 Rating, Deduct	-267.75	
			For Class 54 Rating, Add	182.56	
			For Class 55 Rating, Add	405.76	
40 05 19 00-0185	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.81	456.37
			For Class 52 Rating, Deduct	-276.47	
			For Class 54 Rating, Add	188.50	
			For Class 55 Rating, Add	418.98	
40 05 19 00-0186	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,288.36	459.20
			For Class 52 Rating, Deduct	-285.19	
			For Class 54 Rating, Add	194.45	
			For Class 55 Rating, Add	432.19	
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.91	462.04
			For Class 52 Rating, Deduct	-293.90	
			For Class 54 Rating, Add	200.39	
			For Class 55 Rating, Add	445.40	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,455.46	464.87
			For Class 52 Rating, Deduct	-302.62	
			For Class 54 Rating, Add	206.33	
			For Class 55 Rating, Add	458.61	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,539.01	467.70
			For Class 52 Rating, Deduct	-311.34	
			For Class 54 Rating, Add	212.28	
			For Class 55 Rating, Add	471.82	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,622.56	470.53
			For Class 52 Rating, Deduct	-320.06	
			For Class 54 Rating, Add	218.22	
			For Class 55 Rating, Add	485.03	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,706.11	473.37
			For Class 52 Rating, Deduct	-328.78	
			For Class 54 Rating, Add	224.17	
			For Class 55 Rating, Add	498.25	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,789.66	476.21
			For Class 52 Rating, Deduct	-337.49	
			For Class 54 Rating, Add	230.11	
			For Class 55 Rating, Add	511.46	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.21	479.04
			For Class 52 Rating, Deduct	-346.21	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	524.67	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,956.76	481.88
			For Class 52 Rating, Deduct	-354.93	
			For Class 54 Rating, Add	242.00	
			For Class 55 Rating, Add	537.88	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,040.31	484.71
			For Class 52 Rating, Deduct	-363.65	
			For Class 54 Rating, Add	247.94	
			For Class 55 Rating, Add	551.09	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,123.85	487.55
			For Class 52 Rating, Deduct	-372.37	
			For Class 54 Rating, Add	253.89	
			For Class 55 Rating, Add	564.30	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,207.40	490.38
			For Class 52 Rating, Deduct	-381.08	
			For Class 54 Rating, Add	259.83	
			For Class 55 Rating, Add	577.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0198	EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,290.95	493.22
	For Class 52 Rating, Deduct	-389.80	
	For Class 54 Rating, Add	265.77	
	For Class 55 Rating, Add	590.73	
40 05 19 00-0199	EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,374.50	496.05
	For Class 52 Rating, Deduct	-398.52	
	For Class 54 Rating, Add	271.72	
	For Class 55 Rating, Add	603.94	
40 05 19 00-0200	EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,458.05	498.88
	For Class 52 Rating, Deduct	-407.24	
	For Class 54 Rating, Add	277.66	
	For Class 55 Rating, Add	617.15	
40 05 19 00-0201	EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,541.60	501.71
	For Class 52 Rating, Deduct	-415.96	
	For Class 54 Rating, Add	283.61	
	For Class 55 Rating, Add	630.36	
40 05 19 00-0202	EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,625.15	504.55
	For Class 52 Rating, Deduct	-424.67	
	For Class 54 Rating, Add	289.55	
	For Class 55 Rating, Add	643.58	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0204	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,910.35	476.21
	For Class 52 Rating, Deduct	-130.77	
	For Class 54 Rating, Add	89.16	
	For Class 55 Rating, Add	198.18	
40 05 19 00-0205	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,011.27	479.04
	For Class 52 Rating, Deduct	-141.40	
	For Class 54 Rating, Add	96.41	
	For Class 55 Rating, Add	214.28	
40 05 19 00-0206	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,112.19	481.88
	For Class 52 Rating, Deduct	-152.03	
	For Class 54 Rating, Add	103.66	
	For Class 55 Rating, Add	230.39	
40 05 19 00-0207	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.11	484.71
	For Class 52 Rating, Deduct	-162.66	
	For Class 54 Rating, Add	110.90	
	For Class 55 Rating, Add	246.50	
40 05 19 00-0208	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.02	487.55
	For Class 52 Rating, Deduct	-173.29	
	For Class 54 Rating, Add	118.15	
	For Class 55 Rating, Add	262.61	
40 05 19 00-0209	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.95	490.38
	For Class 52 Rating, Deduct	-183.91	
	For Class 54 Rating, Add	125.40	
	For Class 55 Rating, Add	278.71	
40 05 19 00-0210	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.86	493.22
	For Class 52 Rating, Deduct	-194.54	
	For Class 54 Rating, Add	132.64	
	For Class 55 Rating, Add	294.82	
40 05 19 00-0211	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,616.79	496.05
	For Class 52 Rating, Deduct	-205.17	
	For Class 54 Rating, Add	139.89	
	For Class 55 Rating, Add	310.93	
40 05 19 00-0212	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,717.70	498.88
	For Class 52 Rating, Deduct	-215.80	
	For Class 54 Rating, Add	147.14	
	For Class 55 Rating, Add	327.04	
40 05 19 00-0213	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.63	501.71
	For Class 52 Rating, Deduct	-226.43	
	For Class 54 Rating, Add	154.38	
	For Class 55 Rating, Add	343.14	
40 05 19 00-0214	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,919.54	504.55
	For Class 52 Rating, Deduct	-237.06	
	For Class 54 Rating, Add	161.63	
	For Class 55 Rating, Add	359.25	
40 05 19 00-0215	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,020.47	507.39
	For Class 52 Rating, Deduct	-247.69	
	For Class 54 Rating, Add	168.88	
	For Class 55 Rating, Add	375.36	
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.40	510.22
	For Class 52 Rating, Deduct	-258.32	
	For Class 54 Rating, Add	176.12	
	For Class 55 Rating, Add	391.47	
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,222.31	513.06
	For Class 52 Rating, Deduct	-268.94	
	For Class 54 Rating, Add	183.37	
	For Class 55 Rating, Add	407.57	
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,323.24	515.89
	For Class 52 Rating, Deduct	-279.57	
	For Class 54 Rating, Add	190.62	
	For Class 55 Rating, Add	423.68	
40 05 19 00-0219	EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,424.15	518.73
	For Class 52 Rating, Deduct	-290.20	
	For Class 54 Rating, Add	197.87	
	For Class 55 Rating, Add	439.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0220	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,525.08	521.56
			For Class 52 Rating, Deduct	-300.83	
			For Class 54 Rating, Add	205.11	
			For Class 55 Rating, Add	455.90	
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,625.98	524.40
			For Class 52 Rating, Deduct	-311.46	
			For Class 54 Rating, Add	212.36	
			For Class 55 Rating, Add	472.00	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,726.91	527.23
			For Class 52 Rating, Deduct	-322.09	
			For Class 54 Rating, Add	219.61	
			For Class 55 Rating, Add	488.11	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,827.82	530.06
			For Class 52 Rating, Deduct	-332.72	
			For Class 54 Rating, Add	226.85	
			For Class 55 Rating, Add	504.22	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,928.75	532.89
			For Class 52 Rating, Deduct	-343.35	
			For Class 54 Rating, Add	234.10	
			For Class 55 Rating, Add	520.33	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,029.67	535.73
			For Class 52 Rating, Deduct	-353.98	
			For Class 54 Rating, Add	241.35	
			For Class 55 Rating, Add	536.43	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,130.59	538.57
			For Class 52 Rating, Deduct	-364.60	
			For Class 54 Rating, Add	248.59	
			For Class 55 Rating, Add	552.54	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,231.52	541.40
			For Class 52 Rating, Deduct	-375.23	
			For Class 54 Rating, Add	255.84	
			For Class 55 Rating, Add	568.65	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,332.43	544.24
			For Class 52 Rating, Deduct	-385.86	
			For Class 54 Rating, Add	263.09	
			For Class 55 Rating, Add	584.76	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,433.36	547.07
			For Class 52 Rating, Deduct	-396.49	
			For Class 54 Rating, Add	270.33	
			For Class 55 Rating, Add	600.86	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,534.27	549.91
			For Class 52 Rating, Deduct	-407.12	
			For Class 54 Rating, Add	277.58	
			For Class 55 Rating, Add	616.97	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,635.20	552.74
			For Class 52 Rating, Deduct	-417.75	
			For Class 54 Rating, Add	284.83	
			For Class 55 Rating, Add	633.08	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,736.11	555.58
			For Class 52 Rating, Deduct	-428.38	
			For Class 54 Rating, Add	292.07	
			For Class 55 Rating, Add	649.18	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,837.04	558.41
			For Class 52 Rating, Deduct	-439.01	
			For Class 54 Rating, Add	299.32	
			For Class 55 Rating, Add	665.29	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,937.95	561.25
			For Class 52 Rating, Deduct	-449.63	
			For Class 54 Rating, Add	306.57	
			For Class 55 Rating, Add	681.40	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,038.87	564.07
			For Class 52 Rating, Deduct	-460.26	
			For Class 54 Rating, Add	313.82	
			For Class 55 Rating, Add	697.51	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,139.80	566.91
			For Class 52 Rating, Deduct	-470.89	
			For Class 54 Rating, Add	321.06	
			For Class 55 Rating, Add	713.62	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,240.71	569.75
			For Class 52 Rating, Deduct	-481.52	
			For Class 54 Rating, Add	328.31	
			For Class 55 Rating, Add	729.72	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,341.64	572.58
			For Class 52 Rating, Deduct	-492.15	
			For Class 54 Rating, Add	335.56	
			For Class 55 Rating, Add	745.83	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,442.55	575.42
			For Class 52 Rating, Deduct	-502.78	
			For Class 54 Rating, Add	342.80	
			For Class 55 Rating, Add	761.94	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,543.48	578.25
			For Class 52 Rating, Deduct	-513.41	
			For Class 54 Rating, Add	350.05	
			For Class 55 Rating, Add	778.05	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.39	581.09
			For Class 52 Rating, Deduct	-524.04	
			For Class 54 Rating, Add	357.30	
			For Class 55 Rating, Add	794.15	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,233.81	544.24
			<i>For Class 52 Rating, Deduct</i>	-155.01	
			<i>For Class 54 Rating, Add</i>	105.69	
			<i>For Class 55 Rating, Add</i>	234.92	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,351.02	547.07
			<i>For Class 52 Rating, Deduct</i>	-167.43	
			<i>For Class 54 Rating, Add</i>	114.16	
			<i>For Class 55 Rating, Add</i>	253.74	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,468.22	549.91
			<i>For Class 52 Rating, Deduct</i>	-179.85	
			<i>For Class 54 Rating, Add</i>	122.63	
			<i>For Class 55 Rating, Add</i>	272.56	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,585.43	552.74
			<i>For Class 52 Rating, Deduct</i>	-192.27	
			<i>For Class 54 Rating, Add</i>	131.10	
			<i>For Class 55 Rating, Add</i>	291.38	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.64	555.58
			<i>For Class 52 Rating, Deduct</i>	-204.69	
			<i>For Class 54 Rating, Add</i>	139.56	
			<i>For Class 55 Rating, Add</i>	310.21	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.85	558.41
			<i>For Class 52 Rating, Deduct</i>	-217.11	
			<i>For Class 54 Rating, Add</i>	148.03	
			<i>For Class 55 Rating, Add</i>	329.03	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.04	561.25
			<i>For Class 52 Rating, Deduct</i>	-229.53	
			<i>For Class 54 Rating, Add</i>	156.50	
			<i>For Class 55 Rating, Add</i>	347.85	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,054.25	564.07
			<i>For Class 52 Rating, Deduct</i>	-241.95	
			<i>For Class 54 Rating, Add</i>	164.97	
			<i>For Class 55 Rating, Add</i>	366.67	
40 05 19 00-0251	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,171.46	566.91
			<i>For Class 52 Rating, Deduct</i>	-254.38	
			<i>For Class 54 Rating, Add</i>	173.44	
			<i>For Class 55 Rating, Add</i>	385.49	
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,288.66	569.75
			<i>For Class 52 Rating, Deduct</i>	-266.80	
			<i>For Class 54 Rating, Add</i>	181.91	
			<i>For Class 55 Rating, Add</i>	404.32	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,405.87	572.58
			<i>For Class 52 Rating, Deduct</i>	-279.22	
			<i>For Class 54 Rating, Add</i>	190.37	
			<i>For Class 55 Rating, Add</i>	423.14	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.07	575.42
			<i>For Class 52 Rating, Deduct</i>	-291.64	
			<i>For Class 54 Rating, Add</i>	198.84	
			<i>For Class 55 Rating, Add</i>	441.96	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.28	578.25
			<i>For Class 52 Rating, Deduct</i>	-304.06	
			<i>For Class 54 Rating, Add</i>	207.31	
			<i>For Class 55 Rating, Add</i>	460.78	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,757.48	581.09
			<i>For Class 52 Rating, Deduct</i>	-316.48	
			<i>For Class 54 Rating, Add</i>	215.78	
			<i>For Class 55 Rating, Add</i>	479.60	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,874.69	583.92
			<i>For Class 52 Rating, Deduct</i>	-328.90	
			<i>For Class 54 Rating, Add</i>	224.25	
			<i>For Class 55 Rating, Add</i>	498.43	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,991.89	586.76
			<i>For Class 52 Rating, Deduct</i>	-341.32	
			<i>For Class 54 Rating, Add</i>	232.72	
			<i>For Class 55 Rating, Add</i>	517.25	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,109.10	589.59
			<i>For Class 52 Rating, Deduct</i>	-353.74	
			<i>For Class 54 Rating, Add</i>	241.18	
			<i>For Class 55 Rating, Add</i>	536.07	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,226.31	592.43
			<i>For Class 52 Rating, Deduct</i>	-366.16	
			<i>For Class 54 Rating, Add</i>	249.65	
			<i>For Class 55 Rating, Add</i>	554.89	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.52	595.25
			<i>For Class 52 Rating, Deduct</i>	-378.58	
			<i>For Class 54 Rating, Add</i>	258.12	
			<i>For Class 55 Rating, Add</i>	573.72	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,460.73	598.09
			<i>For Class 52 Rating, Deduct</i>	-391.00	
			<i>For Class 54 Rating, Add</i>	266.59	
			<i>For Class 55 Rating, Add</i>	592.54	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,577.92	600.93
			<i>For Class 52 Rating, Deduct</i>	-403.42	
			<i>For Class 54 Rating, Add</i>	275.06	
			<i>For Class 55 Rating, Add</i>	611.36	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,695.13	603.76
			<i>For Class 52 Rating, Deduct</i>	-415.84	
			<i>For Class 54 Rating, Add</i>	283.53	
			<i>For Class 55 Rating, Add</i>	630.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,812.33	606.60
			<i>For Class 52 Rating, Deduct</i>	-428.26	
			<i>For Class 54 Rating, Add</i>	291.99	
			<i>For Class 55 Rating, Add</i>	649.00	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,929.54	609.43
			<i>For Class 52 Rating, Deduct</i>	-440.68	
			<i>For Class 54 Rating, Add</i>	300.46	
			<i>For Class 55 Rating, Add</i>	667.83	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,046.74	612.27
			<i>For Class 52 Rating, Deduct</i>	-453.10	
			<i>For Class 54 Rating, Add</i>	308.93	
			<i>For Class 55 Rating, Add</i>	686.65	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,163.95	615.10
			<i>For Class 52 Rating, Deduct</i>	-465.52	
			<i>For Class 54 Rating, Add</i>	317.40	
			<i>For Class 55 Rating, Add</i>	705.47	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,281.16	617.94
			<i>For Class 52 Rating, Deduct</i>	-477.94	
			<i>For Class 54 Rating, Add</i>	325.87	
			<i>For Class 55 Rating, Add</i>	724.29	
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,398.36	620.77
			<i>For Class 52 Rating, Deduct</i>	-490.36	
			<i>For Class 54 Rating, Add</i>	334.34	
			<i>For Class 55 Rating, Add</i>	743.12	
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,515.57	623.61
			<i>For Class 52 Rating, Deduct</i>	-502.78	
			<i>For Class 54 Rating, Add</i>	342.80	
			<i>For Class 55 Rating, Add</i>	761.94	
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,632.77	626.43
			<i>For Class 52 Rating, Deduct</i>	-515.20	
			<i>For Class 54 Rating, Add</i>	351.27	
			<i>For Class 55 Rating, Add</i>	780.76	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,749.98	629.27
			<i>For Class 52 Rating, Deduct</i>	-527.62	
			<i>For Class 54 Rating, Add</i>	359.74	
			<i>For Class 55 Rating, Add</i>	799.58	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,867.18	632.11
			<i>For Class 52 Rating, Deduct</i>	-540.04	
			<i>For Class 54 Rating, Add</i>	368.21	
			<i>For Class 55 Rating, Add</i>	818.40	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,984.40	634.94
			<i>For Class 52 Rating, Deduct</i>	-552.46	
			<i>For Class 54 Rating, Add</i>	376.68	
			<i>For Class 55 Rating, Add</i>	837.23	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.60	637.78
			<i>For Class 52 Rating, Deduct</i>	-564.88	
			<i>For Class 54 Rating, Add</i>	385.15	
			<i>For Class 55 Rating, Add</i>	856.05	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,218.80	640.61
			<i>For Class 52 Rating, Deduct</i>	-577.30	
			<i>For Class 54 Rating, Add</i>	393.61	
			<i>For Class 55 Rating, Add</i>	874.87	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,336.00	643.45
			<i>For Class 52 Rating, Deduct</i>	-589.72	
			<i>For Class 54 Rating, Add</i>	402.08	
			<i>For Class 55 Rating, Add</i>	893.69	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,453.21	646.28
			<i>For Class 52 Rating, Deduct</i>	-602.14	
			<i>For Class 54 Rating, Add</i>	410.55	
			<i>For Class 55 Rating, Add</i>	912.52	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,570.42	649.12
			<i>For Class 52 Rating, Deduct</i>	-614.56	
			<i>For Class 54 Rating, Add</i>	419.02	
			<i>For Class 55 Rating, Add</i>	931.34	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.49	613.40
			<i>For Class 52 Rating, Deduct</i>	-182.72	
			<i>For Class 54 Rating, Add</i>	124.58	
			<i>For Class 55 Rating, Add</i>	276.90	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,725.05	616.24
			<i>For Class 52 Rating, Deduct</i>	-197.05	
			<i>For Class 54 Rating, Add</i>	134.35	
			<i>For Class 55 Rating, Add</i>	298.62	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.63	619.07
			<i>For Class 52 Rating, Deduct</i>	-211.38	
			<i>For Class 54 Rating, Add</i>	144.12	
			<i>For Class 55 Rating, Add</i>	320.34	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,994.22	621.90
			<i>For Class 52 Rating, Deduct</i>	-225.71	
			<i>For Class 54 Rating, Add</i>	153.90	
			<i>For Class 55 Rating, Add</i>	342.06	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.79	624.73
			<i>For Class 52 Rating, Deduct</i>	-240.04	
			<i>For Class 54 Rating, Add</i>	163.67	
			<i>For Class 55 Rating, Add</i>	363.78	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0287	EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.37	627.57
	For Class 52 Rating, Deduct	-254.38	
	For Class 54 Rating, Add	173.44	
	For Class 55 Rating, Add	385.49	
40 05 19 00-0288	EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.94	630.41
	For Class 52 Rating, Deduct	-268.71	
	For Class 54 Rating, Add	183.21	
	For Class 55 Rating, Add	407.21	
40 05 19 00-0289	EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,532.52	633.24
	For Class 52 Rating, Deduct	-283.04	
	For Class 54 Rating, Add	192.98	
	For Class 55 Rating, Add	428.93	
40 05 19 00-0290	EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,667.09	636.08
	For Class 52 Rating, Deduct	-297.37	
	For Class 54 Rating, Add	202.75	
	For Class 55 Rating, Add	450.65	
40 05 19 00-0291	EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,801.67	638.91
	For Class 52 Rating, Deduct	-311.70	
	For Class 54 Rating, Add	212.52	
	For Class 55 Rating, Add	472.36	
40 05 19 00-0292	EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,936.25	641.75
	For Class 52 Rating, Deduct	-326.03	
	For Class 54 Rating, Add	222.29	
	For Class 55 Rating, Add	494.08	
40 05 19 00-0293	EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,070.83	644.58
	For Class 52 Rating, Deduct	-340.36	
	For Class 54 Rating, Add	232.06	
	For Class 55 Rating, Add	515.80	
40 05 19 00-0294	EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.40	647.42
	For Class 52 Rating, Deduct	-354.69	
	For Class 54 Rating, Add	241.84	
	For Class 55 Rating, Add	537.52	
40 05 19 00-0295	EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.98	650.25
	For Class 52 Rating, Deduct	-369.02	
	For Class 54 Rating, Add	251.61	
	For Class 55 Rating, Add	559.24	
40 05 19 00-0296	EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,474.56	653.08
	For Class 52 Rating, Deduct	-383.35	
	For Class 54 Rating, Add	261.38	
	For Class 55 Rating, Add	580.95	
40 05 19 00-0297	EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,609.12	655.91
	For Class 52 Rating, Deduct	-397.68	
	For Class 54 Rating, Add	271.15	
	For Class 55 Rating, Add	602.67	
40 05 19 00-0298	EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,743.71	658.75
	For Class 52 Rating, Deduct	-412.02	
	For Class 54 Rating, Add	280.92	
	For Class 55 Rating, Add	624.39	
40 05 19 00-0299	EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,878.28	661.59
	For Class 52 Rating, Deduct	-426.35	
	For Class 54 Rating, Add	290.69	
	For Class 55 Rating, Add	646.11	
40 05 19 00-0300	EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,012.86	664.42
	For Class 52 Rating, Deduct	-440.68	
	For Class 54 Rating, Add	300.46	
	For Class 55 Rating, Add	667.83	
40 05 19 00-0301	EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.43	667.26
	For Class 52 Rating, Deduct	-455.01	
	For Class 54 Rating, Add	310.23	
	For Class 55 Rating, Add	689.54	
40 05 19 00-0302	EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,282.01	670.09
	For Class 52 Rating, Deduct	-469.34	
	For Class 54 Rating, Add	320.00	
	For Class 55 Rating, Add	711.26	
40 05 19 00-0303	EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,416.58	672.93
	For Class 52 Rating, Deduct	-483.67	
	For Class 54 Rating, Add	329.78	
	For Class 55 Rating, Add	732.98	
40 05 19 00-0304	EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,551.17	675.76
	For Class 52 Rating, Deduct	-498.00	
	For Class 54 Rating, Add	339.55	
	For Class 55 Rating, Add	754.70	
40 05 19 00-0305	EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,685.75	678.60
	For Class 52 Rating, Deduct	-512.33	
	For Class 54 Rating, Add	349.32	
	For Class 55 Rating, Add	776.42	
40 05 19 00-0306	EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,820.32	681.43
	For Class 52 Rating, Deduct	-526.66	
	For Class 54 Rating, Add	359.09	
	For Class 55 Rating, Add	798.13	
40 05 19 00-0307	EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,954.90	684.26
	For Class 52 Rating, Deduct	-540.99	
	For Class 54 Rating, Add	368.86	
	For Class 55 Rating, Add	819.85	
40 05 19 00-0308	EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,089.47	687.09
	For Class 52 Rating, Deduct	-555.33	
	For Class 54 Rating, Add	378.63	
	For Class 55 Rating, Add	841.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0309	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,224.05	689.93
			<i>For Class 52 Rating, Deduct</i>	-569.66	
			<i>For Class 54 Rating, Add</i>	388.40	
			<i>For Class 55 Rating, Add</i>	863.29	
40 05 19 00-0310	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,358.62	692.77
			<i>For Class 52 Rating, Deduct</i>	-583.99	
			<i>For Class 54 Rating, Add</i>	398.17	
			<i>For Class 55 Rating, Add</i>	885.01	
40 05 19 00-0311	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,493.20	695.60
			<i>For Class 52 Rating, Deduct</i>	-598.32	
			<i>For Class 54 Rating, Add</i>	407.94	
			<i>For Class 55 Rating, Add</i>	906.72	
40 05 19 00-0312	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,627.77	698.44
			<i>For Class 52 Rating, Deduct</i>	-612.65	
			<i>For Class 54 Rating, Add</i>	417.72	
			<i>For Class 55 Rating, Add</i>	928.44	
40 05 19 00-0313	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,762.35	701.27
			<i>For Class 52 Rating, Deduct</i>	-626.98	
			<i>For Class 54 Rating, Add</i>	427.49	
			<i>For Class 55 Rating, Add</i>	950.16	
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,896.93	704.11
			<i>For Class 52 Rating, Deduct</i>	-641.31	
			<i>For Class 54 Rating, Add</i>	437.26	
			<i>For Class 55 Rating, Add</i>	971.88	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,031.50	706.94
			<i>For Class 52 Rating, Deduct</i>	-655.64	
			<i>For Class 54 Rating, Add</i>	447.03	
			<i>For Class 55 Rating, Add</i>	993.60	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,166.08	709.78
			<i>For Class 52 Rating, Deduct</i>	-669.97	
			<i>For Class 54 Rating, Add</i>	456.80	
			<i>For Class 55 Rating, Add</i>	1,015.31	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,300.66	712.61
			<i>For Class 52 Rating, Deduct</i>	-684.30	
			<i>For Class 54 Rating, Add</i>	466.57	
			<i>For Class 55 Rating, Add</i>	1,037.03	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,435.24	715.44
			<i>For Class 52 Rating, Deduct</i>	-698.64	
			<i>For Class 54 Rating, Add</i>	476.34	
			<i>For Class 55 Rating, Add</i>	1,058.75	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,569.81	718.27
			<i>For Class 52 Rating, Deduct</i>	-712.97	
			<i>For Class 54 Rating, Add</i>	486.11	
			<i>For Class 55 Rating, Add</i>	1,080.47	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,024.82	700.14
			<i>For Class 52 Rating, Deduct</i>	-216.04	
			<i>For Class 54 Rating, Add</i>	147.30	
			<i>For Class 55 Rating, Add</i>	327.40	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,178.93	702.97
			<i>For Class 52 Rating, Deduct</i>	-232.52	
			<i>For Class 54 Rating, Add</i>	158.54	
			<i>For Class 55 Rating, Add</i>	352.37	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.05	705.81
			<i>For Class 52 Rating, Deduct</i>	-249.00	
			<i>For Class 54 Rating, Add</i>	169.77	
			<i>For Class 55 Rating, Add</i>	377.35	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,487.17	708.64
			<i>For Class 52 Rating, Deduct</i>	-265.48	
			<i>For Class 54 Rating, Add</i>	181.01	
			<i>For Class 55 Rating, Add</i>	402.33	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,641.29	711.48
			<i>For Class 52 Rating, Deduct</i>	-281.96	
			<i>For Class 54 Rating, Add</i>	192.25	
			<i>For Class 55 Rating, Add</i>	427.30	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,795.40	714.31
			<i>For Class 52 Rating, Deduct</i>	-298.44	
			<i>For Class 54 Rating, Add</i>	203.48	
			<i>For Class 55 Rating, Add</i>	452.28	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,949.52	717.15
			<i>For Class 52 Rating, Deduct</i>	-314.92	
			<i>For Class 54 Rating, Add</i>	214.72	
			<i>For Class 55 Rating, Add</i>	477.25	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,103.63	719.98
			<i>For Class 52 Rating, Deduct</i>	-331.40	
			<i>For Class 54 Rating, Add</i>	225.96	
			<i>For Class 55 Rating, Add</i>	502.23	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,257.76	722.81
			<i>For Class 52 Rating, Deduct</i>	-347.88	
			<i>For Class 54 Rating, Add</i>	237.19	
			<i>For Class 55 Rating, Add</i>	527.20	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,411.88	725.64
			<i>For Class 52 Rating, Deduct</i>	-364.37	
			<i>For Class 54 Rating, Add</i>	248.43	
			<i>For Class 55 Rating, Add</i>	552.18	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0331	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,565.99	728.48
	For Class 52 Rating, Deduct	-380.85	
	For Class 54 Rating, Add	259.67	
	For Class 55 Rating, Add	577.15	
40 05 19 00-0332	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,720.12	731.32
	For Class 52 Rating, Deduct	-397.33	
	For Class 54 Rating, Add	270.90	
	For Class 55 Rating, Add	602.13	
40 05 19 00-0333	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,874.23	734.15
	For Class 52 Rating, Deduct	-413.81	
	For Class 54 Rating, Add	282.14	
	For Class 55 Rating, Add	627.11	
40 05 19 00-0334	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,028.35	736.99
	For Class 52 Rating, Deduct	-430.29	
	For Class 54 Rating, Add	293.38	
	For Class 55 Rating, Add	652.08	
40 05 19 00-0335	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,182.47	739.82
	For Class 52 Rating, Deduct	-446.77	
	For Class 54 Rating, Add	304.61	
	For Class 55 Rating, Add	677.06	
40 05 19 00-0336	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,336.59	742.66
	For Class 52 Rating, Deduct	-463.25	
	For Class 54 Rating, Add	315.85	
	For Class 55 Rating, Add	702.03	
40 05 19 00-0337	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,490.71	745.49
	For Class 52 Rating, Deduct	-479.73	
	For Class 54 Rating, Add	327.09	
	For Class 55 Rating, Add	727.01	
40 05 19 00-0338	EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.83	748.33
	For Class 52 Rating, Deduct	-496.21	
	For Class 54 Rating, Add	338.33	
	For Class 55 Rating, Add	751.98	
40 05 19 00-0339	EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,798.95	751.16
	For Class 52 Rating, Deduct	-512.69	
	For Class 54 Rating, Add	349.56	
	For Class 55 Rating, Add	776.96	
40 05 19 00-0340	EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,953.07	753.99
	For Class 52 Rating, Deduct	-529.17	
	For Class 54 Rating, Add	360.80	
	For Class 55 Rating, Add	801.94	
40 05 19 00-0341	EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,107.18	756.82
	For Class 52 Rating, Deduct	-545.65	
	For Class 54 Rating, Add	372.04	
	For Class 55 Rating, Add	826.91	
40 05 19 00-0342	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,261.30	759.66
	For Class 52 Rating, Deduct	-562.13	
	For Class 54 Rating, Add	383.27	
	For Class 55 Rating, Add	851.89	
40 05 19 00-0343	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,415.42	762.50
	For Class 52 Rating, Deduct	-578.61	
	For Class 54 Rating, Add	394.51	
	For Class 55 Rating, Add	876.86	
40 05 19 00-0344	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,569.53	765.33
	For Class 52 Rating, Deduct	-595.09	
	For Class 54 Rating, Add	405.75	
	For Class 55 Rating, Add	901.84	
40 05 19 00-0345	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.66	768.17
	For Class 52 Rating, Deduct	-611.57	
	For Class 54 Rating, Add	416.98	
	For Class 55 Rating, Add	926.81	
40 05 19 00-0346	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,877.77	771.00
	For Class 52 Rating, Deduct	-628.05	
	For Class 54 Rating, Add	428.22	
	For Class 55 Rating, Add	951.79	
40 05 19 00-0347	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,031.90	773.84
	For Class 52 Rating, Deduct	-644.54	
	For Class 54 Rating, Add	439.46	
	For Class 55 Rating, Add	976.77	
40 05 19 00-0348	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,186.01	776.67
	For Class 52 Rating, Deduct	-661.02	
	For Class 54 Rating, Add	450.69	
	For Class 55 Rating, Add	1,001.74	
40 05 19 00-0349	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,340.13	779.51
	For Class 52 Rating, Deduct	-677.50	
	For Class 54 Rating, Add	461.93	
	For Class 55 Rating, Add	1,026.72	
40 05 19 00-0350	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,494.26	782.34
	For Class 52 Rating, Deduct	-693.98	
	For Class 54 Rating, Add	473.17	
	For Class 55 Rating, Add	1,051.69	
40 05 19 00-0351	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,648.37	785.18
	For Class 52 Rating, Deduct	-710.46	
	For Class 54 Rating, Add	484.40	
	For Class 55 Rating, Add	1,076.67	
40 05 19 00-0352	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,802.49	788.00
	For Class 52 Rating, Deduct	-726.94	
	For Class 54 Rating, Add	495.64	
	For Class 55 Rating, Add	1,101.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0353	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,956.61	790.84
			<i>For Class 52 Rating, Deduct</i>	-743.42	
			<i>For Class 54 Rating, Add</i>	506.88	
			<i>For Class 55 Rating, Add</i>	1,126.62	
40 05 19 00-0354	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,110.72	793.68
			<i>For Class 52 Rating, Deduct</i>	-759.90	
			<i>For Class 54 Rating, Add</i>	518.11	
			<i>For Class 55 Rating, Add</i>	1,151.59	
40 05 19 00-0355	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,264.84	796.51
			<i>For Class 52 Rating, Deduct</i>	-776.38	
			<i>For Class 54 Rating, Add</i>	529.35	
			<i>For Class 55 Rating, Add</i>	1,176.57	
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,418.96	799.35
			<i>For Class 52 Rating, Deduct</i>	-792.86	
			<i>For Class 54 Rating, Add</i>	540.59	
			<i>For Class 55 Rating, Add</i>	1,201.55	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,573.07	802.18
			<i>For Class 52 Rating, Deduct</i>	-809.34	
			<i>For Class 54 Rating, Add</i>	551.82	
			<i>For Class 55 Rating, Add</i>	1,226.52	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,727.20	805.02
			<i>For Class 52 Rating, Deduct</i>	-825.82	
			<i>For Class 54 Rating, Add</i>	563.06	
			<i>For Class 55 Rating, Add</i>	1,251.50	
40 05 19 00-0359			24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,705.55	827.69
			<i>For Class 52 Rating, Deduct</i>	-269.66	
			<i>For Class 54 Rating, Add</i>	183.86	
			<i>For Class 55 Rating, Add</i>	408.66	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,895.50	830.53
			<i>For Class 52 Rating, Deduct</i>	-290.08	
			<i>For Class 54 Rating, Add</i>	197.78	
			<i>For Class 55 Rating, Add</i>	439.61	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,085.44	833.36
			<i>For Class 52 Rating, Deduct</i>	-310.50	
			<i>For Class 54 Rating, Add</i>	211.71	
			<i>For Class 55 Rating, Add</i>	470.56	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,275.38	836.20
			<i>For Class 52 Rating, Deduct</i>	-330.93	
			<i>For Class 54 Rating, Add</i>	225.63	
			<i>For Class 55 Rating, Add</i>	501.50	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.33	839.03
			<i>For Class 52 Rating, Deduct</i>	-351.35	
			<i>For Class 54 Rating, Add</i>	239.56	
			<i>For Class 55 Rating, Add</i>	532.45	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,655.27	841.87
			<i>For Class 52 Rating, Deduct</i>	-371.77	
			<i>For Class 54 Rating, Add</i>	253.48	
			<i>For Class 55 Rating, Add</i>	563.40	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,845.22	844.70
			<i>For Class 52 Rating, Deduct</i>	-392.19	
			<i>For Class 54 Rating, Add</i>	267.40	
			<i>For Class 55 Rating, Add</i>	594.35	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.16	847.54
			<i>For Class 52 Rating, Deduct</i>	-412.61	
			<i>For Class 54 Rating, Add</i>	281.33	
			<i>For Class 55 Rating, Add</i>	625.30	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,225.12	850.36
			<i>For Class 52 Rating, Deduct</i>	-433.03	
			<i>For Class 54 Rating, Add</i>	295.25	
			<i>For Class 55 Rating, Add</i>	656.24	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,415.06	853.20
			<i>For Class 52 Rating, Deduct</i>	-453.46	
			<i>For Class 54 Rating, Add</i>	309.17	
			<i>For Class 55 Rating, Add</i>	687.19	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,605.01	856.04
			<i>For Class 52 Rating, Deduct</i>	-473.88	
			<i>For Class 54 Rating, Add</i>	323.10	
			<i>For Class 55 Rating, Add</i>	718.14	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,794.96	858.87
			<i>For Class 52 Rating, Deduct</i>	-494.30	
			<i>For Class 54 Rating, Add</i>	337.02	
			<i>For Class 55 Rating, Add</i>	749.09	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,984.90	861.71
			<i>For Class 52 Rating, Deduct</i>	-514.72	
			<i>For Class 54 Rating, Add</i>	350.95	
			<i>For Class 55 Rating, Add</i>	780.04	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,174.85	864.54
			<i>For Class 52 Rating, Deduct</i>	-535.14	
			<i>For Class 54 Rating, Add</i>	364.87	
			<i>For Class 55 Rating, Add</i>	810.98	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,364.79	867.38
			<i>For Class 52 Rating, Deduct</i>	-555.56	
			<i>For Class 54 Rating, Add</i>	378.79	
			<i>For Class 55 Rating, Add</i>	841.93	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0375	EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,554.74	870.21
	For Class 52 Rating, Deduct	-575.99	
	For Class 54 Rating, Add	392.72	
	For Class 55 Rating, Add	872.88	
40 05 19 00-0376	EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,744.68	873.05
	For Class 52 Rating, Deduct	-596.41	
	For Class 54 Rating, Add	406.64	
	For Class 55 Rating, Add	903.83	
40 05 19 00-0377	EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,934.63	875.88
	For Class 52 Rating, Deduct	-616.83	
	For Class 54 Rating, Add	420.57	
	For Class 55 Rating, Add	934.78	
40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,124.57	878.72
	For Class 52 Rating, Deduct	-637.25	
	For Class 54 Rating, Add	434.49	
	For Class 55 Rating, Add	965.72	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,314.52	881.55
	For Class 52 Rating, Deduct	-657.67	
	For Class 54 Rating, Add	448.41	
	For Class 55 Rating, Add	996.67	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,504.46	884.38
	For Class 52 Rating, Deduct	-678.09	
	For Class 54 Rating, Add	462.34	
	For Class 55 Rating, Add	1,027.62	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,694.41	887.22
	For Class 52 Rating, Deduct	-698.52	
	For Class 54 Rating, Add	476.26	
	For Class 55 Rating, Add	1,058.57	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,884.36	890.05
	For Class 52 Rating, Deduct	-718.94	
	For Class 54 Rating, Add	490.18	
	For Class 55 Rating, Add	1,089.52	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,074.30	892.89
	For Class 52 Rating, Deduct	-739.36	
	For Class 54 Rating, Add	504.11	
	For Class 55 Rating, Add	1,120.46	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,264.26	895.72
	For Class 52 Rating, Deduct	-759.78	
	For Class 54 Rating, Add	518.03	
	For Class 55 Rating, Add	1,151.41	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,454.20	898.56
	For Class 52 Rating, Deduct	-780.20	
	For Class 54 Rating, Add	531.96	
	For Class 55 Rating, Add	1,182.36	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,644.15	901.39
	For Class 52 Rating, Deduct	-800.62	
	For Class 54 Rating, Add	545.88	
	For Class 55 Rating, Add	1,213.31	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,834.09	904.23
	For Class 52 Rating, Deduct	-821.05	
	For Class 54 Rating, Add	559.80	
	For Class 55 Rating, Add	1,244.26	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,024.04	907.06
	For Class 52 Rating, Deduct	-841.47	
	For Class 54 Rating, Add	573.73	
	For Class 55 Rating, Add	1,275.20	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,286.99	958.08
	For Class 52 Rating, Deduct	-861.89	
	For Class 54 Rating, Add	587.65	
	For Class 55 Rating, Add	1,306.15	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,476.93	960.92
	For Class 52 Rating, Deduct	-882.31	
	For Class 54 Rating, Add	601.58	
	For Class 55 Rating, Add	1,337.10	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,666.89	963.75
	For Class 52 Rating, Deduct	-902.73	
	For Class 54 Rating, Add	615.50	
	For Class 55 Rating, Add	1,368.05	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,856.84	966.59
	For Class 52 Rating, Deduct	-923.15	
	For Class 54 Rating, Add	629.42	
	For Class 55 Rating, Add	1,399.00	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,046.78	969.42
	For Class 52 Rating, Deduct	-943.58	
	For Class 54 Rating, Add	643.35	
	For Class 55 Rating, Add	1,429.95	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,236.73	972.26
	For Class 52 Rating, Deduct	-964.00	
	For Class 54 Rating, Add	657.27	
	For Class 55 Rating, Add	1,460.89	
40 05 19 00-0395	EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,426.67	975.09
	For Class 52 Rating, Deduct	-984.42	
	For Class 54 Rating, Add	671.19	
	For Class 55 Rating, Add	1,491.84	
40 05 19 00-0396	EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,616.62	977.93
	For Class 52 Rating, Deduct	-1,004.84	
	For Class 54 Rating, Add	685.12	
	For Class 55 Rating, Add	1,522.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,806.56	980.76
			<i>For Class 52 Rating, Deduct</i>	-1,025.26	
			<i>For Class 54 Rating, Add</i>	699.04	
			<i>For Class 55 Rating, Add</i>	1,553.74	
40 05 19 00-0398			30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,667.05	1,167.84
			<i>For Class 52 Rating, Deduct</i>	-428.73	
			<i>For Class 54 Rating, Add</i>	292.32	
			<i>For Class 55 Rating, Add</i>	649.73	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,939.50	1,170.68
			<i>For Class 52 Rating, Deduct</i>	-458.23	
			<i>For Class 54 Rating, Add</i>	312.43	
			<i>For Class 55 Rating, Add</i>	694.43	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.97	1,173.51
			<i>For Class 52 Rating, Deduct</i>	-487.73	
			<i>For Class 54 Rating, Add</i>	332.54	
			<i>For Class 55 Rating, Add</i>	739.13	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,484.42	1,176.34
			<i>For Class 52 Rating, Deduct</i>	-517.23	
			<i>For Class 54 Rating, Add</i>	352.66	
			<i>For Class 55 Rating, Add</i>	783.84	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.88	1,179.18
			<i>For Class 52 Rating, Deduct</i>	-546.73	
			<i>For Class 54 Rating, Add</i>	372.77	
			<i>For Class 55 Rating, Add</i>	828.54	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,029.34	1,182.01
			<i>For Class 52 Rating, Deduct</i>	-576.23	
			<i>For Class 54 Rating, Add</i>	392.88	
			<i>For Class 55 Rating, Add</i>	873.24	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,301.79	1,184.85
			<i>For Class 52 Rating, Deduct</i>	-605.72	
			<i>For Class 54 Rating, Add</i>	412.99	
			<i>For Class 55 Rating, Add</i>	917.95	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,574.25	1,187.68
			<i>For Class 52 Rating, Deduct</i>	-635.22	
			<i>For Class 54 Rating, Add</i>	433.10	
			<i>For Class 55 Rating, Add</i>	962.65	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,846.70	1,190.52
			<i>For Class 52 Rating, Deduct</i>	-664.72	
			<i>For Class 54 Rating, Add</i>	453.22	
			<i>For Class 55 Rating, Add</i>	1,007.35	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,119.17	1,193.35
			<i>For Class 52 Rating, Deduct</i>	-694.22	
			<i>For Class 54 Rating, Add</i>	473.33	
			<i>For Class 55 Rating, Add</i>	1,052.05	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,391.62	1,196.19
			<i>For Class 52 Rating, Deduct</i>	-723.71	
			<i>For Class 54 Rating, Add</i>	493.44	
			<i>For Class 55 Rating, Add</i>	1,096.76	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,664.08	1,199.02
			<i>For Class 52 Rating, Deduct</i>	-753.21	
			<i>For Class 54 Rating, Add</i>	513.55	
			<i>For Class 55 Rating, Add</i>	1,141.46	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,936.54	1,201.86
			<i>For Class 52 Rating, Deduct</i>	-782.71	
			<i>For Class 54 Rating, Add</i>	533.67	
			<i>For Class 55 Rating, Add</i>	1,186.16	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,209.00	1,204.69
			<i>For Class 52 Rating, Deduct</i>	-812.21	
			<i>For Class 54 Rating, Add</i>	553.78	
			<i>For Class 55 Rating, Add</i>	1,230.86	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,481.46	1,207.52
			<i>For Class 52 Rating, Deduct</i>	-841.71	
			<i>For Class 54 Rating, Add</i>	573.89	
			<i>For Class 55 Rating, Add</i>	1,275.57	
40 05 19 00-0414	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,753.92	1,210.36
			<i>For Class 52 Rating, Deduct</i>	-871.20	
			<i>For Class 54 Rating, Add</i>	594.00	
			<i>For Class 55 Rating, Add</i>	1,320.27	
40 05 19 00-0415	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,026.38	1,213.19
			<i>For Class 52 Rating, Deduct</i>	-900.70	
			<i>For Class 54 Rating, Add</i>	614.12	
			<i>For Class 55 Rating, Add</i>	1,364.97	
40 05 19 00-0416	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,298.83	1,216.03
			<i>For Class 52 Rating, Deduct</i>	-930.20	
			<i>For Class 54 Rating, Add</i>	634.23	
			<i>For Class 55 Rating, Add</i>	1,409.68	
40 05 19 00-0417	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,571.28	1,218.86
			<i>For Class 52 Rating, Deduct</i>	-959.70	
			<i>For Class 54 Rating, Add</i>	654.34	
			<i>For Class 55 Rating, Add</i>	1,454.38	
40 05 19 00-0418	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,843.74	1,221.70
			<i>For Class 52 Rating, Deduct</i>	-989.20	
			<i>For Class 54 Rating, Add</i>	674.45	
			<i>For Class 55 Rating, Add</i>	1,499.08	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,116.20	1,224.53
		<i>For Class 52 Rating, Deduct</i>	-1,018.69	
		<i>For Class 54 Rating, Add</i>	694.56	
		<i>For Class 55 Rating, Add</i>	1,543.78	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,388.65	1,227.37
		<i>For Class 52 Rating, Deduct</i>	-1,048.19	
		<i>For Class 54 Rating, Add</i>	714.68	
		<i>For Class 55 Rating, Add</i>	1,588.49	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,661.12	1,230.20
		<i>For Class 52 Rating, Deduct</i>	-1,077.69	
		<i>For Class 54 Rating, Add</i>	734.79	
		<i>For Class 55 Rating, Add</i>	1,633.19	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,933.57	1,233.04
		<i>For Class 52 Rating, Deduct</i>	-1,107.19	
		<i>For Class 54 Rating, Add</i>	754.90	
		<i>For Class 55 Rating, Add</i>	1,677.89	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,204.95	1,235.87
		<i>For Class 52 Rating, Deduct</i>	-1,136.57	
		<i>For Class 54 Rating, Add</i>	774.93	
		<i>For Class 55 Rating, Add</i>	1,722.41	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,478.50	1,238.70
		<i>For Class 52 Rating, Deduct</i>	-1,166.18	
		<i>For Class 54 Rating, Add</i>	795.13	
		<i>For Class 55 Rating, Add</i>	1,767.30	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,750.95	1,241.54
		<i>For Class 52 Rating, Deduct</i>	-1,195.68	
		<i>For Class 54 Rating, Add</i>	815.24	
		<i>For Class 55 Rating, Add</i>	1,812.00	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,023.41	1,244.37
		<i>For Class 52 Rating, Deduct</i>	-1,225.18	
		<i>For Class 54 Rating, Add</i>	835.35	
		<i>For Class 55 Rating, Add</i>	1,856.70	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,295.86	1,247.21
		<i>For Class 52 Rating, Deduct</i>	-1,254.68	
		<i>For Class 54 Rating, Add</i>	855.46	
		<i>For Class 55 Rating, Add</i>	1,901.41	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,568.33	1,250.04
		<i>For Class 52 Rating, Deduct</i>	-1,284.18	
		<i>For Class 54 Rating, Add</i>	875.57	
		<i>For Class 55 Rating, Add</i>	1,946.11	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,840.78	1,252.88
		<i>For Class 52 Rating, Deduct</i>	-1,313.67	
		<i>For Class 54 Rating, Add</i>	895.69	
		<i>For Class 55 Rating, Add</i>	1,990.81	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,113.24	1,255.71
		<i>For Class 52 Rating, Deduct</i>	-1,343.17	
		<i>For Class 54 Rating, Add</i>	915.80	
		<i>For Class 55 Rating, Add</i>	2,035.51	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,385.69	1,258.55
		<i>For Class 52 Rating, Deduct</i>	-1,372.67	
		<i>For Class 54 Rating, Add</i>	935.91	
		<i>For Class 55 Rating, Add</i>	2,080.22	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,658.15	1,261.38
		<i>For Class 52 Rating, Deduct</i>	-1,402.17	
		<i>For Class 54 Rating, Add</i>	956.02	
		<i>For Class 55 Rating, Add</i>	2,124.92	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,930.61	1,264.22
		<i>For Class 52 Rating, Deduct</i>	-1,431.66	
		<i>For Class 54 Rating, Add</i>	976.13	
		<i>For Class 55 Rating, Add</i>	2,169.62	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,203.06	1,267.06
		<i>For Class 52 Rating, Deduct</i>	-1,461.16	
		<i>For Class 54 Rating, Add</i>	996.25	
		<i>For Class 55 Rating, Add</i>	2,214.32	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,475.53	1,269.88
		<i>For Class 52 Rating, Deduct</i>	-1,490.66	
		<i>For Class 54 Rating, Add</i>	1,016.36	
		<i>For Class 55 Rating, Add</i>	2,259.03	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,747.98	1,272.72
		<i>For Class 52 Rating, Deduct</i>	-1,520.16	
		<i>For Class 54 Rating, Add</i>	1,036.47	
		<i>For Class 55 Rating, Add</i>	2,303.73	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,819.03	1,479.64
		<i>For Class 52 Rating, Deduct</i>	-613.49	
		<i>For Class 54 Rating, Add</i>	418.29	
		<i>For Class 55 Rating, Add</i>	929.71	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,188.11	1,482.48
		<i>For Class 52 Rating, Deduct</i>	-653.61	
		<i>For Class 54 Rating, Add</i>	445.64	
		<i>For Class 55 Rating, Add</i>	990.52	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,557.20	1,485.32
		<i>For Class 52 Rating, Deduct</i>	-693.74	
		<i>For Class 54 Rating, Add</i>	473.00	
		<i>For Class 55 Rating, Add</i>	1,051.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.27	1,488.15
			For Class 52 Rating, Deduct	-733.87	
			For Class 54 Rating, Add	500.36	
			For Class 55 Rating, Add	1,112.14	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,295.35	1,490.99
			For Class 52 Rating, Deduct	-773.99	
			For Class 54 Rating, Add	527.72	
			For Class 55 Rating, Add	1,172.95	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,664.43	1,493.81
			For Class 52 Rating, Deduct	-814.12	
			For Class 54 Rating, Add	555.08	
			For Class 55 Rating, Add	1,233.76	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,033.52	1,496.65
			For Class 52 Rating, Deduct	-854.25	
			For Class 54 Rating, Add	582.44	
			For Class 55 Rating, Add	1,294.57	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,402.60	1,499.48
			For Class 52 Rating, Deduct	-894.37	
			For Class 54 Rating, Add	609.80	
			For Class 55 Rating, Add	1,355.38	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,771.69	1,502.32
			For Class 52 Rating, Deduct	-934.50	
			For Class 54 Rating, Add	637.16	
			For Class 55 Rating, Add	1,416.19	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,140.77	1,505.15
			For Class 52 Rating, Deduct	-974.63	
			For Class 54 Rating, Add	664.52	
			For Class 55 Rating, Add	1,477.00	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,509.85	1,507.99
			For Class 52 Rating, Deduct	-1,014.75	
			For Class 54 Rating, Add	691.88	
			For Class 55 Rating, Add	1,537.81	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,878.94	1,510.82
			For Class 52 Rating, Deduct	-1,054.88	
			For Class 54 Rating, Add	719.24	
			For Class 55 Rating, Add	1,598.62	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,248.02	1,513.66
			For Class 52 Rating, Deduct	-1,095.01	
			For Class 54 Rating, Add	746.60	
			For Class 55 Rating, Add	1,659.43	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,617.11	1,516.50
			For Class 52 Rating, Deduct	-1,135.13	
			For Class 54 Rating, Add	773.95	
			For Class 55 Rating, Add	1,720.24	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,986.19	1,519.33
			For Class 52 Rating, Deduct	-1,175.26	
			For Class 54 Rating, Add	801.31	
			For Class 55 Rating, Add	1,781.05	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,355.28	1,522.17
			For Class 52 Rating, Deduct	-1,215.39	
			For Class 54 Rating, Add	828.67	
			For Class 55 Rating, Add	1,841.86	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,724.35	1,524.99
			For Class 52 Rating, Deduct	-1,255.51	
			For Class 54 Rating, Add	856.03	
			For Class 55 Rating, Add	1,902.67	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,093.44	1,527.83
			For Class 52 Rating, Deduct	-1,295.64	
			For Class 54 Rating, Add	883.39	
			For Class 55 Rating, Add	1,963.48	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,462.52	1,530.66
			For Class 52 Rating, Deduct	-1,335.77	
			For Class 54 Rating, Add	910.75	
			For Class 55 Rating, Add	2,024.29	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,831.60	1,533.50
			For Class 52 Rating, Deduct	-1,375.89	
			For Class 54 Rating, Add	938.11	
			For Class 55 Rating, Add	2,085.10	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,200.69	1,536.33
			For Class 52 Rating, Deduct	-1,416.02	
			For Class 54 Rating, Add	965.47	
			For Class 55 Rating, Add	2,145.91	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,569.77	1,539.17
			For Class 52 Rating, Deduct	-1,456.15	
			For Class 54 Rating, Add	992.83	
			For Class 55 Rating, Add	2,206.72	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,938.85	1,542.00
			For Class 52 Rating, Deduct	-1,496.27	
			For Class 54 Rating, Add	1,020.19	
			For Class 55 Rating, Add	2,267.53	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,307.93	1,544.84
			For Class 52 Rating, Deduct	-1,536.40	
			For Class 54 Rating, Add	1,047.55	
			For Class 55 Rating, Add	2,328.34	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,677.02	1,547.68
			For Class 52 Rating, Deduct	-1,576.53	
			For Class 54 Rating, Add	1,074.90	
			For Class 55 Rating, Add	2,389.15	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,046.10	1,550.51
	For Class 52 Rating, Deduct	-1,616.65	
	For Class 54 Rating, Add	1,102.26	
	For Class 55 Rating, Add	2,449.96	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,415.19	1,553.35
	For Class 52 Rating, Deduct	-1,656.78	
	For Class 54 Rating, Add	1,129.62	
	For Class 55 Rating, Add	2,510.78	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,784.28	1,556.17
	For Class 52 Rating, Deduct	-1,696.91	
	For Class 54 Rating, Add	1,156.98	
	For Class 55 Rating, Add	2,571.59	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,153.36	1,559.01
	For Class 52 Rating, Deduct	-1,737.03	
	For Class 54 Rating, Add	1,184.34	
	For Class 55 Rating, Add	2,632.40	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,522.44	1,561.84
	For Class 52 Rating, Deduct	-1,777.16	
	For Class 54 Rating, Add	1,211.70	
	For Class 55 Rating, Add	2,693.21	
40 05 19 00-0468	EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,891.52	1,564.68
	For Class 52 Rating, Deduct	-1,817.29	
	For Class 54 Rating, Add	1,239.06	
	For Class 55 Rating, Add	2,754.02	
40 05 19 00-0469	EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,260.60	1,567.51
	For Class 52 Rating, Deduct	-1,857.41	
	For Class 54 Rating, Add	1,266.42	
	For Class 55 Rating, Add	2,814.83	
40 05 19 00-0470	EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,629.68	1,570.35
	For Class 52 Rating, Deduct	-1,897.54	
	For Class 54 Rating, Add	1,293.78	
	For Class 55 Rating, Add	2,875.64	
40 05 19 00-0471	EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,998.77	1,573.18
	For Class 52 Rating, Deduct	-1,937.67	
	For Class 54 Rating, Add	1,321.14	
	For Class 55 Rating, Add	2,936.45	
40 05 19 00-0472	EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,367.85	1,576.02
	For Class 52 Rating, Deduct	-1,977.79	
	For Class 54 Rating, Add	1,348.50	
	For Class 55 Rating, Add	2,997.26	
40 05 19 00-0473	EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,736.94	1,578.86
	For Class 52 Rating, Deduct	-2,017.92	
	For Class 54 Rating, Add	1,375.86	
	For Class 55 Rating, Add	3,058.07	
40 05 19 00-0474	EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,106.01	1,581.69
	For Class 52 Rating, Deduct	-2,058.05	
	For Class 54 Rating, Add	1,403.21	
	For Class 55 Rating, Add	3,118.88	
40 05 19 00-0475	EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,475.10	1,584.53
	For Class 52 Rating, Deduct	-2,098.17	
	For Class 54 Rating, Add	1,430.57	
	For Class 55 Rating, Add	3,179.69	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,266.14	1,865.15
	For Class 52 Rating, Deduct	-818.42	
	For Class 54 Rating, Add	558.01	
	For Class 55 Rating, Add	1,240.27	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,815.45	1,867.98
	For Class 52 Rating, Deduct	-878.37	
	For Class 54 Rating, Add	598.89	
	For Class 55 Rating, Add	1,331.13	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,358.24	1,870.82
	For Class 52 Rating, Deduct	-937.60	
	For Class 54 Rating, Add	639.28	
	For Class 55 Rating, Add	1,420.90	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,906.46	1,873.65
	For Class 52 Rating, Deduct	-997.44	
	For Class 54 Rating, Add	680.07	
	For Class 55 Rating, Add	1,511.57	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,449.26	1,876.49
	For Class 52 Rating, Deduct	-1,056.67	
	For Class 54 Rating, Add	720.46	
	For Class 55 Rating, Add	1,601.34	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,998.56	1,879.31
	For Class 52 Rating, Deduct	-1,116.62	
	For Class 54 Rating, Add	761.33	
	For Class 55 Rating, Add	1,692.19	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,540.26	1,882.15
	For Class 52 Rating, Deduct	-1,175.74	
	For Class 54 Rating, Add	801.64	
	For Class 55 Rating, Add	1,781.78	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,089.57	1,884.98
	For Class 52 Rating, Deduct	-1,235.69	
	For Class 54 Rating, Add	842.51	
	For Class 55 Rating, Add	1,872.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,632.36	1,887.82
			For Class 52 Rating, Deduct	-1,294.92	
			For Class 54 Rating, Add	882.90	
			For Class 55 Rating, Add	1,962.40	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,180.58	1,890.65
			For Class 52 Rating, Deduct	-1,354.75	
			For Class 54 Rating, Add	923.70	
			For Class 55 Rating, Add	2,053.07	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,723.37	1,893.49
			For Class 52 Rating, Deduct	-1,413.99	
			For Class 54 Rating, Add	964.08	
			For Class 55 Rating, Add	2,142.84	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,271.60	1,896.33
			For Class 52 Rating, Deduct	-1,473.82	
			For Class 54 Rating, Add	1,004.88	
			For Class 55 Rating, Add	2,233.51	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,814.38	1,899.16
			For Class 52 Rating, Deduct	-1,533.06	
			For Class 54 Rating, Add	1,045.27	
			For Class 55 Rating, Add	2,323.28	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,358.27	1,902.00
			For Class 52 Rating, Deduct	-1,592.41	
			For Class 54 Rating, Add	1,085.73	
			For Class 55 Rating, Add	2,413.23	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,905.41	1,904.83
			For Class 52 Rating, Deduct	-1,652.12	
			For Class 54 Rating, Add	1,126.45	
			For Class 55 Rating, Add	2,503.72	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,448.19	1,907.67
			For Class 52 Rating, Deduct	-1,711.36	
			For Class 54 Rating, Add	1,166.83	
			For Class 55 Rating, Add	2,593.48	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,997.51	1,910.49
			For Class 52 Rating, Deduct	-1,771.31	
			For Class 54 Rating, Add	1,207.71	
			For Class 55 Rating, Add	2,684.34	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,540.29	1,913.33
			For Class 52 Rating, Deduct	-1,830.54	
			For Class 54 Rating, Add	1,248.10	
			For Class 55 Rating, Add	2,774.10	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,088.51	1,916.16
			For Class 52 Rating, Deduct	-1,890.38	
			For Class 54 Rating, Add	1,288.89	
			For Class 55 Rating, Add	2,864.78	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,631.30	1,919.00
			For Class 52 Rating, Deduct	-1,949.61	
			For Class 54 Rating, Add	1,329.28	
			For Class 55 Rating, Add	2,954.55	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,180.61	1,921.83
			For Class 52 Rating, Deduct	-2,009.56	
			For Class 54 Rating, Add	1,370.16	
			For Class 55 Rating, Add	3,045.40	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,723.39	1,924.67
			For Class 52 Rating, Deduct	-2,068.80	
			For Class 54 Rating, Add	1,410.54	
			For Class 55 Rating, Add	3,135.17	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,271.62	1,927.51
			For Class 52 Rating, Deduct	-2,128.63	
			For Class 54 Rating, Add	1,451.34	
			For Class 55 Rating, Add	3,225.84	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,814.42	1,930.34
			For Class 52 Rating, Deduct	-2,187.86	
			For Class 54 Rating, Add	1,491.72	
			For Class 55 Rating, Add	3,315.61	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,363.72	1,933.18
			For Class 52 Rating, Deduct	-2,247.81	
			For Class 54 Rating, Add	1,532.60	
			For Class 55 Rating, Add	3,406.46	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,906.52	1,936.01
			For Class 52 Rating, Deduct	-2,307.05	
			For Class 54 Rating, Add	1,572.99	
			For Class 55 Rating, Add	3,496.23	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,453.65	1,938.85
			For Class 52 Rating, Deduct	-2,366.76	
			For Class 54 Rating, Add	1,613.70	
			For Class 55 Rating, Add	3,586.72	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,997.53	1,941.67
			For Class 52 Rating, Deduct	-2,426.11	
			For Class 54 Rating, Add	1,654.17	
			For Class 55 Rating, Add	3,676.67	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,431.75	1,944.51
			For Class 52 Rating, Deduct	-2,473.41	
			For Class 54 Rating, Add	1,686.41	
			For Class 55 Rating, Add	3,748.34	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,088.54	1,947.34
			For Class 52 Rating, Deduct	-2,545.18	
			For Class 54 Rating, Add	1,735.35	
			For Class 55 Rating, Add	3,857.11	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,631.33	1,950.18
		For Class 52 Rating, Deduct	-2,604.42	
		For Class 54 Rating, Add	1,775.74	
		For Class 55 Rating, Add	3,946.87	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,179.56	1,953.01
		For Class 52 Rating, Deduct	-2,664.25	
		For Class 54 Rating, Add	1,816.53	
		For Class 55 Rating, Add	4,037.55	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,722.33	1,955.85
		For Class 52 Rating, Deduct	-2,723.48	
		For Class 54 Rating, Add	1,856.92	
		For Class 55 Rating, Add	4,127.31	
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,271.64	1,958.69
		For Class 52 Rating, Deduct	-2,783.43	
		For Class 54 Rating, Add	1,897.80	
		For Class 55 Rating, Add	4,218.17	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,813.36	1,961.52
		For Class 52 Rating, Deduct	-2,842.55	
		For Class 54 Rating, Add	1,938.10	
		For Class 55 Rating, Add	4,307.75	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,362.66	1,964.36
		For Class 52 Rating, Deduct	-2,902.50	
		For Class 54 Rating, Add	1,978.98	
		For Class 55 Rating, Add	4,398.61	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,905.45	1,967.19
		For Class 52 Rating, Deduct	-2,961.73	
		For Class 54 Rating, Add	2,019.36	
		For Class 55 Rating, Add	4,488.37	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,453.67	1,970.03
		For Class 52 Rating, Deduct	-3,021.57	
		For Class 54 Rating, Add	2,060.16	
		For Class 55 Rating, Add	4,579.05	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,879.95	2,344.19
		For Class 52 Rating, Deduct	-1,026.10	
		For Class 54 Rating, Add	699.61	
		For Class 55 Rating, Add	1,555.00	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,677.88	2,347.02
		For Class 52 Rating, Deduct	-1,113.40	
		For Class 54 Rating, Add	759.13	
		For Class 55 Rating, Add	1,687.30	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,474.72	2,349.86
		For Class 52 Rating, Deduct	-1,200.58	
		For Class 54 Rating, Add	818.58	
		For Class 55 Rating, Add	1,819.42	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,278.08	2,352.69
		For Class 52 Rating, Deduct	-1,288.47	
		For Class 54 Rating, Add	878.51	
		For Class 55 Rating, Add	1,952.62	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,076.00	2,355.53
		For Class 52 Rating, Deduct	-1,375.77	
		For Class 54 Rating, Add	938.03	
		For Class 55 Rating, Add	2,084.92	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,873.94	2,358.35
		For Class 52 Rating, Deduct	-1,463.07	
		For Class 54 Rating, Add	997.55	
		For Class 55 Rating, Add	2,217.22	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,676.21	2,361.19
		For Class 52 Rating, Deduct	-1,550.85	
		For Class 54 Rating, Add	1,057.40	
		For Class 55 Rating, Add	2,350.24	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,475.22	2,364.02
		For Class 52 Rating, Deduct	-1,638.27	
		For Class 54 Rating, Add	1,117.00	
		For Class 55 Rating, Add	2,482.72	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,272.06	2,366.86
		For Class 52 Rating, Deduct	-1,725.45	
		For Class 54 Rating, Add	1,176.44	
		For Class 55 Rating, Add	2,614.84	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,075.42	2,369.70
		For Class 52 Rating, Deduct	-1,813.35	
		For Class 54 Rating, Add	1,236.37	
		For Class 55 Rating, Add	2,748.04	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,873.35	2,372.53
		For Class 52 Rating, Deduct	-1,900.65	
		For Class 54 Rating, Add	1,295.90	
		For Class 55 Rating, Add	2,880.34	
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,676.70	2,375.37
		For Class 52 Rating, Deduct	-1,988.54	
		For Class 54 Rating, Add	1,355.82	
		For Class 55 Rating, Add	3,013.55	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,473.54	2,378.20
		For Class 52 Rating, Deduct	-2,075.72	
		For Class 54 Rating, Add	1,415.27	
		For Class 55 Rating, Add	3,145.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,271.46	2,381.04
			For Class 52 Rating, Deduct	-2,163.02	
			For Class 54 Rating, Add	1,474.79	
			For Class 55 Rating, Add	3,277.96	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,074.82	2,383.87
			For Class 52 Rating, Deduct	-2,250.92	
			For Class 54 Rating, Add	1,534.72	
			For Class 55 Rating, Add	3,411.17	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,872.75	2,386.71
			For Class 52 Rating, Deduct	-2,338.22	
			For Class 54 Rating, Add	1,594.24	
			For Class 55 Rating, Add	3,543.46	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,669.59	2,389.54
			For Class 52 Rating, Deduct	-2,425.40	
			For Class 54 Rating, Add	1,653.68	
			For Class 55 Rating, Add	3,675.58	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,472.95	2,392.37
			For Class 52 Rating, Deduct	-2,513.30	
			For Class 54 Rating, Add	1,713.61	
			For Class 55 Rating, Add	3,808.78	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,270.87	2,395.20
			For Class 52 Rating, Deduct	-2,600.59	
			For Class 54 Rating, Add	1,773.13	
			For Class 55 Rating, Add	3,941.08	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,067.71	2,398.04
			For Class 52 Rating, Deduct	-2,687.77	
			For Class 54 Rating, Add	1,832.57	
			For Class 55 Rating, Add	4,073.20	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,871.06	2,400.88
			For Class 52 Rating, Deduct	-2,775.67	
			For Class 54 Rating, Add	1,892.50	
			For Class 55 Rating, Add	4,206.40	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,670.08	2,403.71
			For Class 52 Rating, Deduct	-2,863.09	
			For Class 54 Rating, Add	1,952.11	
			For Class 55 Rating, Add	4,338.88	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,466.92	2,406.55
			For Class 52 Rating, Deduct	-2,950.27	
			For Class 54 Rating, Add	2,011.55	
			For Class 55 Rating, Add	4,471.00	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,270.28	2,409.38
			For Class 52 Rating, Deduct	-3,038.17	
			For Class 54 Rating, Add	2,071.48	
			For Class 55 Rating, Add	4,604.20	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,068.20	2,412.22
			For Class 52 Rating, Deduct	-3,125.47	
			For Class 54 Rating, Add	2,131.00	
			For Class 55 Rating, Add	4,736.50	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,865.05	2,415.05
			For Class 52 Rating, Deduct	-3,212.65	
			For Class 54 Rating, Add	2,190.44	
			For Class 55 Rating, Add	4,868.62	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,668.41	2,417.89
			For Class 52 Rating, Deduct	-3,300.54	
			For Class 54 Rating, Add	2,250.37	
			For Class 55 Rating, Add	5,001.82	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,466.32	2,420.72
			For Class 52 Rating, Deduct	-3,387.84	
			For Class 54 Rating, Add	2,309.89	
			For Class 55 Rating, Add	5,134.12	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,166.54	2,423.55
			For Class 52 Rating, Deduct	-3,464.39	
			For Class 54 Rating, Add	2,362.09	
			For Class 55 Rating, Add	5,250.13	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,067.60	2,426.38
			For Class 52 Rating, Deduct	-3,563.04	
			For Class 54 Rating, Add	2,429.34	
			For Class 55 Rating, Add	5,399.62	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,864.45	2,429.22
			For Class 52 Rating, Deduct	-3,650.22	
			For Class 54 Rating, Add	2,488.79	
			For Class 55 Rating, Add	5,531.74	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,668.89	2,432.06
			For Class 52 Rating, Deduct	-3,738.24	
			For Class 54 Rating, Add	2,548.80	
			For Class 55 Rating, Add	5,665.13	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,465.73	2,434.89
			For Class 52 Rating, Deduct	-3,825.42	
			For Class 54 Rating, Add	2,608.24	
			For Class 55 Rating, Add	5,797.24	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,262.57	2,437.73
			For Class 52 Rating, Deduct	-3,912.60	
			For Class 54 Rating, Add	2,667.68	
			For Class 55 Rating, Add	5,929.36	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,067.01	2,440.56
			For Class 52 Rating, Deduct	-4,000.61	
			For Class 54 Rating, Add	2,727.69	
			For Class 55 Rating, Add	6,062.74	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,863.86	2,443.40
			For Class 52 Rating, Deduct	-4,087.79	
			For Class 54 Rating, Add	2,787.13	
			For Class 55 Rating, Add	6,194.86	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,661.78	2,446.23
			For Class 52 Rating, Deduct	-4,175.09	
			For Class 54 Rating, Add	2,846.65	
			For Class 55 Rating, Add	6,327.16	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,465.14	2,449.07
			For Class 52 Rating, Deduct	-4,262.99	
			For Class 54 Rating, Add	2,906.58	
			For Class 55 Rating, Add	6,460.36	
40 05 19 00-0554			Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555			4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	381.10	129.71
			For Class 52 Rating, Deduct	-20.30	
			For Class 54 Rating, Add	13.84	
			For Class 55 Rating, Add	30.77	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	412.76	131.98
			For Class 52 Rating, Deduct	-23.41	
			For Class 54 Rating, Add	15.96	
			For Class 55 Rating, Add	35.47	
40 05 19 00-0558	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	444.42	134.25
			For Class 52 Rating, Deduct	-26.51	
			For Class 54 Rating, Add	18.08	
			For Class 55 Rating, Add	40.18	
40 05 19 00-0559	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	476.08	136.52
			For Class 52 Rating, Deduct	-29.62	
			For Class 54 Rating, Add	20.19	
			For Class 55 Rating, Add	44.88	
40 05 19 00-0560	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	507.75	138.78
			For Class 52 Rating, Deduct	-32.72	
			For Class 54 Rating, Add	22.31	
			For Class 55 Rating, Add	49.59	
40 05 19 00-0561	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	539.41	141.05
			For Class 52 Rating, Deduct	-35.83	
			For Class 54 Rating, Add	24.43	
			For Class 55 Rating, Add	54.29	
40 05 19 00-0562	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	571.08	143.31
			For Class 52 Rating, Deduct	-38.93	
			For Class 54 Rating, Add	26.54	
			For Class 55 Rating, Add	59.00	
40 05 19 00-0563	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	602.74	145.59
			For Class 52 Rating, Deduct	-42.04	
			For Class 54 Rating, Add	28.66	
			For Class 55 Rating, Add	63.71	
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	634.41	147.85
			For Class 52 Rating, Deduct	-45.14	
			For Class 54 Rating, Add	30.78	
			For Class 55 Rating, Add	68.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	666.06	150.12
			For Class 52 Rating, Deduct	-48.25	
			For Class 54 Rating, Add	32.90	
			For Class 55 Rating, Add	73.12	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.73	152.38
			For Class 52 Rating, Deduct	-51.35	
			For Class 54 Rating, Add	35.01	
			For Class 55 Rating, Add	77.82	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.39	154.66
			For Class 52 Rating, Deduct	-54.46	
			For Class 54 Rating, Add	37.13	
			For Class 55 Rating, Add	82.53	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	761.06	156.92
			For Class 52 Rating, Deduct	-57.56	
			For Class 54 Rating, Add	39.25	
			For Class 55 Rating, Add	87.23	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	792.73	159.19
			For Class 52 Rating, Deduct	-60.67	
			For Class 54 Rating, Add	41.36	
			For Class 55 Rating, Add	91.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	824.39	161.46
			For Class 52 Rating, Deduct	-63.77	
			For Class 54 Rating, Add	43.48	
			For Class 55 Rating, Add	96.64	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	856.04	163.73
			For Class 52 Rating, Deduct	-66.88	
			For Class 54 Rating, Add	45.60	
			For Class 55 Rating, Add	101.35	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	887.71	166.00
			For Class 52 Rating, Deduct	-69.98	
			For Class 54 Rating, Add	47.72	
			For Class 55 Rating, Add	106.06	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	919.38	168.26
			For Class 52 Rating, Deduct	-73.09	
			For Class 54 Rating, Add	49.83	
			For Class 55 Rating, Add	110.76	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	951.04	170.53
			For Class 52 Rating, Deduct	-76.19	
			For Class 54 Rating, Add	51.95	
			For Class 55 Rating, Add	115.47	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	982.70	172.80
			For Class 52 Rating, Deduct	-79.30	
			For Class 54 Rating, Add	54.07	
			For Class 55 Rating, Add	120.17	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,014.37	175.07
			For Class 52 Rating, Deduct	-82.40	
			For Class 54 Rating, Add	56.18	
			For Class 55 Rating, Add	124.88	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,046.03	177.33
			For Class 52 Rating, Deduct	-85.51	
			For Class 54 Rating, Add	58.30	
			For Class 55 Rating, Add	129.58	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,077.69	179.60
			For Class 52 Rating, Deduct	-88.61	
			For Class 54 Rating, Add	60.42	
			For Class 55 Rating, Add	134.29	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,109.35	181.86
			For Class 52 Rating, Deduct	-91.72	
			For Class 54 Rating, Add	62.54	
			For Class 55 Rating, Add	138.99	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,141.02	184.14
			For Class 52 Rating, Deduct	-94.82	
			For Class 54 Rating, Add	64.65	
			For Class 55 Rating, Add	143.70	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,172.69	186.40
			For Class 52 Rating, Deduct	-97.93	
			For Class 54 Rating, Add	66.77	
			For Class 55 Rating, Add	148.41	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,204.35	188.67
			For Class 52 Rating, Deduct	-101.03	
			For Class 54 Rating, Add	68.89	
			For Class 55 Rating, Add	153.11	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,236.01	190.93
			For Class 52 Rating, Deduct	-104.14	
			For Class 54 Rating, Add	71.00	
			For Class 55 Rating, Add	157.82	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,267.67	193.21
			For Class 52 Rating, Deduct	-107.24	
			For Class 54 Rating, Add	73.12	
			For Class 55 Rating, Add	162.52	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,299.34	195.47
			For Class 52 Rating, Deduct	-110.35	
			For Class 54 Rating, Add	75.24	
			For Class 55 Rating, Add	167.23	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,331.00	197.74
			For Class 52 Rating, Deduct	-113.45	
			For Class 54 Rating, Add	77.36	
			For Class 55 Rating, Add	171.93	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,362.66	200.01
			For Class 52 Rating, Deduct	-116.56	
			For Class 54 Rating, Add	79.47	
			For Class 55 Rating, Add	176.64	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,394.33	202.28
		<i>For Class 52 Rating, Deduct</i>	-119.66	
		<i>For Class 54 Rating, Add</i>	81.59	
		<i>For Class 55 Rating, Add</i>	181.34	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.00	204.55
		<i>For Class 52 Rating, Deduct</i>	-122.77	
		<i>For Class 54 Rating, Add</i>	83.71	
		<i>For Class 55 Rating, Add</i>	186.05	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,457.65	206.81
		<i>For Class 52 Rating, Deduct</i>	-125.87	
		<i>For Class 54 Rating, Add</i>	85.82	
		<i>For Class 55 Rating, Add</i>	190.76	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,489.31	209.08
		<i>For Class 52 Rating, Deduct</i>	-128.98	
		<i>For Class 54 Rating, Add</i>	87.94	
		<i>For Class 55 Rating, Add</i>	195.46	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,520.98	211.35
		<i>For Class 52 Rating, Deduct</i>	-132.08	
		<i>For Class 54 Rating, Add</i>	90.06	
		<i>For Class 55 Rating, Add</i>	200.17	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,552.65	213.62
		<i>For Class 52 Rating, Deduct</i>	-135.19	
		<i>For Class 54 Rating, Add</i>	92.17	
		<i>For Class 55 Rating, Add</i>	204.87	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,584.31	215.88
		<i>For Class 52 Rating, Deduct</i>	-138.29	
		<i>For Class 54 Rating, Add</i>	94.29	
		<i>For Class 55 Rating, Add</i>	209.58	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	476.46	163.27
		<i>For Class 52 Rating, Deduct</i>	-25.20	
		<i>For Class 54 Rating, Add</i>	17.18	
		<i>For Class 55 Rating, Add</i>	38.19	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	514.63	165.54
		<i>For Class 52 Rating, Deduct</i>	-29.02	
		<i>For Class 54 Rating, Add</i>	19.79	
		<i>For Class 55 Rating, Add</i>	43.98	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	552.81	167.80
		<i>For Class 52 Rating, Deduct</i>	-32.84	
		<i>For Class 54 Rating, Add</i>	22.39	
		<i>For Class 55 Rating, Add</i>	49.77	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	590.99	170.08
		<i>For Class 52 Rating, Deduct</i>	-36.66	
		<i>For Class 54 Rating, Add</i>	25.00	
		<i>For Class 55 Rating, Add</i>	55.56	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	629.17	172.34
		<i>For Class 52 Rating, Deduct</i>	-40.49	
		<i>For Class 54 Rating, Add</i>	27.60	
		<i>For Class 55 Rating, Add</i>	61.35	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.35	174.61
		<i>For Class 52 Rating, Deduct</i>	-44.31	
		<i>For Class 54 Rating, Add</i>	30.21	
		<i>For Class 55 Rating, Add</i>	67.15	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	705.53	176.87
		<i>For Class 52 Rating, Deduct</i>	-48.13	
		<i>For Class 54 Rating, Add</i>	32.81	
		<i>For Class 55 Rating, Add</i>	72.94	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	743.71	179.15
		<i>For Class 52 Rating, Deduct</i>	-51.95	
		<i>For Class 54 Rating, Add</i>	35.42	
		<i>For Class 55 Rating, Add</i>	78.73	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	781.87	181.41
		<i>For Class 52 Rating, Deduct</i>	-55.77	
		<i>For Class 54 Rating, Add</i>	38.03	
		<i>For Class 55 Rating, Add</i>	84.52	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	820.05	183.68
		<i>For Class 52 Rating, Deduct</i>	-59.59	
		<i>For Class 54 Rating, Add</i>	40.63	
		<i>For Class 55 Rating, Add</i>	90.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	858.24	185.94
			For Class 52 Rating, Deduct	-63.42	
			For Class 54 Rating, Add	43.24	
			For Class 55 Rating, Add	96.10	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	896.42	188.22
			For Class 52 Rating, Deduct	-67.24	
			For Class 54 Rating, Add	45.84	
			For Class 55 Rating, Add	101.89	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	934.59	190.48
			For Class 52 Rating, Deduct	-71.06	
			For Class 54 Rating, Add	48.45	
			For Class 55 Rating, Add	107.68	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	972.77	192.75
			For Class 52 Rating, Deduct	-74.88	
			For Class 54 Rating, Add	51.05	
			For Class 55 Rating, Add	113.48	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,010.94	195.02
			For Class 52 Rating, Deduct	-78.70	
			For Class 54 Rating, Add	53.66	
			For Class 55 Rating, Add	119.27	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,049.11	197.29
			For Class 52 Rating, Deduct	-82.52	
			For Class 54 Rating, Add	56.27	
			For Class 55 Rating, Add	125.06	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,087.30	199.56
			For Class 52 Rating, Deduct	-86.34	
			For Class 54 Rating, Add	58.87	
			For Class 55 Rating, Add	130.85	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,125.48	201.82
			For Class 52 Rating, Deduct	-90.17	
			For Class 54 Rating, Add	61.48	
			For Class 55 Rating, Add	136.64	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,163.66	204.09
			For Class 52 Rating, Deduct	-93.99	
			For Class 54 Rating, Add	64.08	
			For Class 55 Rating, Add	142.43	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,201.83	206.35
			For Class 52 Rating, Deduct	-97.81	
			For Class 54 Rating, Add	66.69	
			For Class 55 Rating, Add	148.22	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,240.00	208.63
			For Class 52 Rating, Deduct	-101.63	
			For Class 54 Rating, Add	69.29	
			For Class 55 Rating, Add	154.02	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,278.19	210.89
			For Class 52 Rating, Deduct	-105.45	
			For Class 54 Rating, Add	71.90	
			For Class 55 Rating, Add	159.81	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,316.37	213.16
			For Class 52 Rating, Deduct	-109.27	
			For Class 54 Rating, Add	74.51	
			For Class 55 Rating, Add	165.60	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,354.54	215.42
			For Class 52 Rating, Deduct	-113.10	
			For Class 54 Rating, Add	77.11	
			For Class 55 Rating, Add	171.39	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,392.72	217.70
			For Class 52 Rating, Deduct	-116.92	
			For Class 54 Rating, Add	79.72	
			For Class 55 Rating, Add	177.18	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,430.90	219.96
			For Class 52 Rating, Deduct	-120.74	
			For Class 54 Rating, Add	82.32	
			For Class 55 Rating, Add	182.97	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,469.08	222.23
			For Class 52 Rating, Deduct	-124.56	
			For Class 54 Rating, Add	84.93	
			For Class 55 Rating, Add	188.76	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,507.25	224.49
			For Class 52 Rating, Deduct	-128.38	
			For Class 54 Rating, Add	87.53	
			For Class 55 Rating, Add	194.56	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.43	226.77
		<i>For Class 52 Rating, Deduct</i>	-132.20	
		<i>For Class 54 Rating, Add</i>	90.14	
		<i>For Class 55 Rating, Add</i>	200.35	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,583.61	229.03
		<i>For Class 52 Rating, Deduct</i>	-136.02	
		<i>For Class 54 Rating, Add</i>	92.74	
		<i>For Class 55 Rating, Add</i>	206.14	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.79	231.30
		<i>For Class 52 Rating, Deduct</i>	-139.85	
		<i>For Class 54 Rating, Add</i>	95.35	
		<i>For Class 55 Rating, Add</i>	211.93	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,659.96	233.57
		<i>For Class 52 Rating, Deduct</i>	-143.67	
		<i>For Class 54 Rating, Add</i>	97.96	
		<i>For Class 55 Rating, Add</i>	217.72	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.14	235.84
		<i>For Class 52 Rating, Deduct</i>	-147.49	
		<i>For Class 54 Rating, Add</i>	100.56	
		<i>For Class 55 Rating, Add</i>	223.51	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,736.32	238.11
		<i>For Class 52 Rating, Deduct</i>	-151.31	
		<i>For Class 54 Rating, Add</i>	103.17	
		<i>For Class 55 Rating, Add</i>	229.31	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.50	240.37
		<i>For Class 52 Rating, Deduct</i>	-155.13	
		<i>For Class 54 Rating, Add</i>	105.77	
		<i>For Class 55 Rating, Add</i>	235.10	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,812.67	242.64
		<i>For Class 52 Rating, Deduct</i>	-158.95	
		<i>For Class 54 Rating, Add</i>	108.38	
		<i>For Class 55 Rating, Add</i>	240.89	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.85	244.90
		<i>For Class 52 Rating, Deduct</i>	-162.78	
		<i>For Class 54 Rating, Add</i>	110.98	
		<i>For Class 55 Rating, Add</i>	246.68	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,889.03	247.18
		<i>For Class 52 Rating, Deduct</i>	-166.60	
		<i>For Class 54 Rating, Add</i>	113.59	
		<i>For Class 55 Rating, Add</i>	252.47	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,927.22	249.44
		<i>For Class 52 Rating, Deduct</i>	-170.42	
		<i>For Class 54 Rating, Add</i>	116.20	
		<i>For Class 55 Rating, Add</i>	258.26	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	650.48	208.63
		<i>For Class 52 Rating, Deduct</i>	-36.78	
		<i>For Class 54 Rating, Add</i>	25.08	
		<i>For Class 55 Rating, Add</i>	55.74	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	701.69	210.89
		<i>For Class 52 Rating, Deduct</i>	-42.04	
		<i>For Class 54 Rating, Add</i>	28.66	
		<i>For Class 55 Rating, Add</i>	63.71	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	752.90	213.16
		<i>For Class 52 Rating, Deduct</i>	-47.29	
		<i>For Class 54 Rating, Add</i>	32.24	
		<i>For Class 55 Rating, Add</i>	71.67	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	804.10	215.42
		<i>For Class 52 Rating, Deduct</i>	-52.55	
		<i>For Class 54 Rating, Add</i>	35.83	
		<i>For Class 55 Rating, Add</i>	79.63	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	855.31	217.70
		<i>For Class 52 Rating, Deduct</i>	-57.80	
		<i>For Class 54 Rating, Add</i>	39.41	
		<i>For Class 55 Rating, Add</i>	87.60	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.52	219.96
		<i>For Class 52 Rating, Deduct</i>	-63.06	
		<i>For Class 54 Rating, Add</i>	42.99	
		<i>For Class 55 Rating, Add</i>	95.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	957.73	222.23
			Pipe		
			For Class 52 Rating, Deduct	-68.31	
			For Class 54 Rating, Add	46.58	
			For Class 55 Rating, Add	103.52	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,008.92	224.49
			Pipe		
			For Class 52 Rating, Deduct	-73.57	
			For Class 54 Rating, Add	50.16	
			For Class 55 Rating, Add	111.49	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,060.13	226.77
			Pipe		
			For Class 52 Rating, Deduct	-78.82	
			For Class 54 Rating, Add	53.74	
			For Class 55 Rating, Add	119.45	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,111.34	229.03
			Pipe		
			For Class 52 Rating, Deduct	-84.08	
			For Class 54 Rating, Add	57.32	
			For Class 55 Rating, Add	127.41	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,162.55	231.30
			Pipe		
			For Class 52 Rating, Deduct	-89.33	
			For Class 54 Rating, Add	60.91	
			For Class 55 Rating, Add	135.38	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,213.75	233.57
			Pipe		
			For Class 52 Rating, Deduct	-94.58	
			For Class 54 Rating, Add	64.49	
			For Class 55 Rating, Add	143.34	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,264.96	235.84
			Pipe		
			For Class 52 Rating, Deduct	-99.84	
			For Class 54 Rating, Add	68.07	
			For Class 55 Rating, Add	151.30	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,316.16	238.11
			Pipe		
			For Class 52 Rating, Deduct	-105.09	
			For Class 54 Rating, Add	71.66	
			For Class 55 Rating, Add	159.27	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,367.37	240.37
			Pipe		
			For Class 52 Rating, Deduct	-110.35	
			For Class 54 Rating, Add	75.24	
			For Class 55 Rating, Add	167.23	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,418.57	242.64
			Pipe		
			For Class 52 Rating, Deduct	-115.60	
			For Class 54 Rating, Add	78.82	
			For Class 55 Rating, Add	175.19	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,469.78	244.90
			Pipe		
			For Class 52 Rating, Deduct	-120.86	
			For Class 54 Rating, Add	82.40	
			For Class 55 Rating, Add	183.15	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,520.99	247.18
			Pipe		
			For Class 52 Rating, Deduct	-126.11	
			For Class 54 Rating, Add	85.99	
			For Class 55 Rating, Add	191.12	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,572.20	249.44
			Pipe		
			For Class 52 Rating, Deduct	-131.37	
			For Class 54 Rating, Add	89.57	
			For Class 55 Rating, Add	199.08	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,623.39	251.71
			Pipe		
			For Class 52 Rating, Deduct	-136.62	
			For Class 54 Rating, Add	93.15	
			For Class 55 Rating, Add	207.04	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,674.60	253.97
			Pipe		
			For Class 52 Rating, Deduct	-141.88	
			For Class 54 Rating, Add	96.73	
			For Class 55 Rating, Add	215.01	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,725.81	256.25
			Pipe		
			For Class 52 Rating, Deduct	-147.13	
			For Class 54 Rating, Add	100.32	
			For Class 55 Rating, Add	222.97	
40 05 19 00-0658	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,777.02	258.51
			Pipe		
			For Class 52 Rating, Deduct	-152.39	
			For Class 54 Rating, Add	103.90	
			For Class 55 Rating, Add	230.93	
40 05 19 00-0659	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,828.22	260.78
			Pipe		
			For Class 52 Rating, Deduct	-157.64	
			For Class 54 Rating, Add	107.48	
			For Class 55 Rating, Add	238.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,879.43	263.04
		For Class 52 Rating, Deduct	-162.90	
		For Class 54 Rating, Add	111.07	
		For Class 55 Rating, Add	246.86	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,930.64	265.32
		For Class 52 Rating, Deduct	-168.15	
		For Class 54 Rating, Add	114.65	
		For Class 55 Rating, Add	254.82	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,981.83	267.58
		For Class 52 Rating, Deduct	-173.41	
		For Class 54 Rating, Add	118.23	
		For Class 55 Rating, Add	262.79	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.04	269.85
		For Class 52 Rating, Deduct	-178.66	
		For Class 54 Rating, Add	121.81	
		For Class 55 Rating, Add	270.75	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,084.25	272.12
		For Class 52 Rating, Deduct	-183.91	
		For Class 54 Rating, Add	125.40	
		For Class 55 Rating, Add	278.71	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,135.46	274.39
		For Class 52 Rating, Deduct	-189.17	
		For Class 54 Rating, Add	128.98	
		For Class 55 Rating, Add	286.68	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.66	276.66
		For Class 52 Rating, Deduct	-194.42	
		For Class 54 Rating, Add	132.56	
		For Class 55 Rating, Add	294.64	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,237.87	278.92
		For Class 52 Rating, Deduct	-199.68	
		For Class 54 Rating, Add	136.14	
		For Class 55 Rating, Add	302.60	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.07	281.19
		For Class 52 Rating, Deduct	-204.93	
		For Class 54 Rating, Add	139.73	
		For Class 55 Rating, Add	310.57	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,340.28	283.45
		For Class 52 Rating, Deduct	-210.19	
		For Class 54 Rating, Add	143.31	
		For Class 55 Rating, Add	318.53	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.48	285.73
		For Class 52 Rating, Deduct	-215.44	
		For Class 54 Rating, Add	146.89	
		For Class 55 Rating, Add	326.49	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,442.69	287.99
		For Class 52 Rating, Deduct	-220.70	
		For Class 54 Rating, Add	150.48	
		For Class 55 Rating, Add	334.46	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,493.90	290.26
		For Class 52 Rating, Deduct	-225.95	
		For Class 54 Rating, Add	154.06	
		For Class 55 Rating, Add	342.42	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.11	292.52
		For Class 52 Rating, Deduct	-231.21	
		For Class 54 Rating, Add	157.64	
		For Class 55 Rating, Add	350.38	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.31	294.80
		For Class 52 Rating, Deduct	-236.46	
		For Class 54 Rating, Add	161.22	
		For Class 55 Rating, Add	358.35	
40 05 19 00-0675		10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	812.57	253.97
		For Class 52 Rating, Deduct	-47.05	
		For Class 54 Rating, Add	32.08	
		For Class 55 Rating, Add	71.31	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	878.98	256.25
		For Class 52 Rating, Deduct	-53.98	
		For Class 54 Rating, Add	36.80	
		For Class 55 Rating, Add	81.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	945.39	258.51
			For Class 52 Rating, Deduct	-60.91	
			For Class 54 Rating, Add	41.53	
			For Class 55 Rating, Add	92.30	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,011.79	260.78
			For Class 52 Rating, Deduct	-67.83	
			For Class 54 Rating, Add	46.25	
			For Class 55 Rating, Add	102.80	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.20	263.04
			For Class 52 Rating, Deduct	-74.76	
			For Class 54 Rating, Add	50.97	
			For Class 55 Rating, Add	113.30	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,144.61	265.32
			For Class 52 Rating, Deduct	-81.69	
			For Class 54 Rating, Add	55.70	
			For Class 55 Rating, Add	123.79	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.99	267.58
			For Class 52 Rating, Deduct	-88.61	
			For Class 54 Rating, Add	60.42	
			For Class 55 Rating, Add	134.29	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,277.40	269.85
			For Class 52 Rating, Deduct	-95.54	
			For Class 54 Rating, Add	65.14	
			For Class 55 Rating, Add	144.79	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,343.81	272.12
			For Class 52 Rating, Deduct	-102.47	
			For Class 54 Rating, Add	69.86	
			For Class 55 Rating, Add	155.28	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.22	274.39
			For Class 52 Rating, Deduct	-109.39	
			For Class 54 Rating, Add	74.59	
			For Class 55 Rating, Add	165.78	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,476.62	276.66
			For Class 52 Rating, Deduct	-116.32	
			For Class 54 Rating, Add	79.31	
			For Class 55 Rating, Add	176.28	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.03	278.92
			For Class 52 Rating, Deduct	-123.25	
			For Class 54 Rating, Add	84.03	
			For Class 55 Rating, Add	186.77	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.43	281.19
			For Class 52 Rating, Deduct	-130.17	
			For Class 54 Rating, Add	88.75	
			For Class 55 Rating, Add	197.27	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,675.84	283.45
			For Class 52 Rating, Deduct	-137.10	
			For Class 54 Rating, Add	93.48	
			For Class 55 Rating, Add	207.77	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,742.24	285.73
			For Class 52 Rating, Deduct	-144.03	
			For Class 54 Rating, Add	98.20	
			For Class 55 Rating, Add	218.27	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,808.65	287.99
			For Class 52 Rating, Deduct	-150.95	
			For Class 54 Rating, Add	102.92	
			For Class 55 Rating, Add	228.76	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,875.06	290.26
			For Class 52 Rating, Deduct	-157.88	
			For Class 54 Rating, Add	107.65	
			For Class 55 Rating, Add	239.26	
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,941.47	292.52
			For Class 52 Rating, Deduct	-164.81	
			For Class 54 Rating, Add	112.37	
			For Class 55 Rating, Add	249.76	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.87	294.80
			For Class 52 Rating, Deduct	-171.73	
			For Class 54 Rating, Add	117.09	
			For Class 55 Rating, Add	260.25	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.27	297.06
			For Class 52 Rating, Deduct	-178.66	
			For Class 54 Rating, Add	121.81	
			For Class 55 Rating, Add	270.75	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.68	299.33
			For Class 52 Rating, Deduct	-185.59	
			For Class 54 Rating, Add	126.54	
			For Class 55 Rating, Add	281.25	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,207.09	301.59
			For Class 52 Rating, Deduct	-192.51	
			For Class 54 Rating, Add	131.26	
			For Class 55 Rating, Add	291.75	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,273.49	303.87
			For Class 52 Rating, Deduct	-199.44	
			For Class 54 Rating, Add	135.98	
			For Class 55 Rating, Add	302.24	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.90	306.13
			For Class 52 Rating, Deduct	-206.37	
			For Class 54 Rating, Add	140.70	
			For Class 55 Rating, Add	312.74	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.30	308.40
			For Class 52 Rating, Deduct	-213.29	
			For Class 54 Rating, Add	145.43	
			For Class 55 Rating, Add	323.23	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,472.70	310.67
			For Class 52 Rating, Deduct	-220.22	
			For Class 54 Rating, Add	150.15	
			For Class 55 Rating, Add	333.73	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.10	312.94
			For Class 52 Rating, Deduct	-227.15	
			For Class 54 Rating, Add	154.87	
			For Class 55 Rating, Add	344.23	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,605.51	315.21
			For Class 52 Rating, Deduct	-234.07	
			For Class 54 Rating, Add	159.59	
			For Class 55 Rating, Add	354.73	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,671.92	317.47
			For Class 52 Rating, Deduct	-241.00	
			For Class 54 Rating, Add	164.32	
			For Class 55 Rating, Add	365.22	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,738.33	319.74
			For Class 52 Rating, Deduct	-247.93	
			For Class 54 Rating, Add	169.04	
			For Class 55 Rating, Add	375.72	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,804.73	322.01
			For Class 52 Rating, Deduct	-254.85	
			For Class 54 Rating, Add	173.76	
			For Class 55 Rating, Add	386.22	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.13	324.28
			For Class 52 Rating, Deduct	-261.78	
			For Class 54 Rating, Add	178.49	
			For Class 55 Rating, Add	396.71	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.54	326.54
			For Class 52 Rating, Deduct	-268.71	
			For Class 54 Rating, Add	183.21	
			For Class 55 Rating, Add	407.21	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.95	328.81
			For Class 52 Rating, Deduct	-275.63	
			For Class 54 Rating, Add	187.93	
			For Class 55 Rating, Add	417.71	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.35	331.07
			For Class 52 Rating, Deduct	-282.56	
			For Class 54 Rating, Add	192.65	
			For Class 55 Rating, Add	428.21	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,136.76	333.35
			For Class 52 Rating, Deduct	-289.49	
			For Class 54 Rating, Add	197.38	
			For Class 55 Rating, Add	438.70	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,203.17	335.61
			For Class 52 Rating, Deduct	-296.41	
			For Class 54 Rating, Add	202.10	
			For Class 55 Rating, Add	449.20	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.57	337.88
			For Class 52 Rating, Deduct	-303.34	
			For Class 54 Rating, Add	206.82	
			For Class 55 Rating, Add	459.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,335.97 -310.27 211.55 470.19	340.14
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,047.74 -62.34 42.50 94.47	317.47
40 05 19 00-0717	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,130.44 -71.06 48.45 107.68	319.74
40 05 19 00-0718	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,213.12 -79.78 54.39 120.90	322.01
40 05 19 00-0719	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,295.81 -88.49 60.34 134.11	324.28
40 05 19 00-0720	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,378.50 -97.21 66.28 147.32	326.54
40 05 19 00-0721	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,461.20 -105.93 72.23 160.53	328.81
40 05 19 00-0722	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,543.88 -114.65 78.17 173.74	331.07
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,626.58 -123.37 84.11 186.96	333.35
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,709.27 -132.08 90.06 200.17	335.61
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,791.96 -140.80 96.00 213.38	337.88
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,874.64 -149.52 101.95 226.59	340.14
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	1,957.34 -158.24 107.89 239.80	342.42
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,040.03 -166.96 113.83 253.01	344.68
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,122.72 -175.67 119.78 266.23	346.95
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,205.41 -184.39 125.72 279.44	349.22
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	2,288.10 -193.11 131.67 292.65	351.49

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,370.79	353.76
			For Class 52 Rating, Deduct	-201.83	
			For Class 54 Rating, Add	137.61	
			For Class 55 Rating, Add	305.86	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,453.47	356.02
			For Class 52 Rating, Deduct	-210.55	
			For Class 54 Rating, Add	143.55	
			For Class 55 Rating, Add	319.07	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,536.17	358.29
			For Class 52 Rating, Deduct	-219.26	
			For Class 54 Rating, Add	149.50	
			For Class 55 Rating, Add	332.28	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.86	360.56
			For Class 52 Rating, Deduct	-227.98	
			For Class 54 Rating, Add	155.44	
			For Class 55 Rating, Add	345.50	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,701.56	362.83
			For Class 52 Rating, Deduct	-236.70	
			For Class 54 Rating, Add	161.39	
			For Class 55 Rating, Add	358.71	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.24	365.09
			For Class 52 Rating, Deduct	-245.42	
			For Class 54 Rating, Add	167.33	
			For Class 55 Rating, Add	371.92	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,866.93	367.36
			For Class 52 Rating, Deduct	-254.14	
			For Class 54 Rating, Add	173.27	
			For Class 55 Rating, Add	385.13	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,949.62	369.62
			For Class 52 Rating, Deduct	-262.85	
			For Class 54 Rating, Add	179.22	
			For Class 55 Rating, Add	398.34	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.32	371.90
			For Class 52 Rating, Deduct	-271.57	
			For Class 54 Rating, Add	185.16	
			For Class 55 Rating, Add	411.56	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,115.00	374.16
			For Class 52 Rating, Deduct	-280.29	
			For Class 54 Rating, Add	191.11	
			For Class 55 Rating, Add	424.77	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,197.70	376.43
			For Class 52 Rating, Deduct	-289.01	
			For Class 54 Rating, Add	197.05	
			For Class 55 Rating, Add	437.98	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,280.39	378.69
			For Class 52 Rating, Deduct	-297.73	
			For Class 54 Rating, Add	203.00	
			For Class 55 Rating, Add	451.19	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.08	380.97
			For Class 52 Rating, Deduct	-306.44	
			For Class 54 Rating, Add	208.94	
			For Class 55 Rating, Add	464.40	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,445.76	383.23
			For Class 52 Rating, Deduct	-315.16	
			For Class 54 Rating, Add	214.88	
			For Class 55 Rating, Add	477.61	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.45	385.50
			For Class 52 Rating, Deduct	-323.88	
			For Class 54 Rating, Add	220.83	
			For Class 55 Rating, Add	490.82	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,611.15	387.77
			For Class 52 Rating, Deduct	-332.60	
			For Class 54 Rating, Add	226.77	
			For Class 55 Rating, Add	504.04	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,693.84	390.04
			For Class 52 Rating, Deduct	-341.32	
			For Class 54 Rating, Add	232.72	
			For Class 55 Rating, Add	517.25	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.53	392.31
			For Class 52 Rating, Deduct	-350.03	
			For Class 54 Rating, Add	238.66	
			For Class 55 Rating, Add	530.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,859.22	394.57
			For Class 52 Rating, Deduct	-358.75	
			For Class 54 Rating, Add	244.60	
			For Class 55 Rating, Add	543.67	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,941.91	396.84
			For Class 52 Rating, Deduct	-367.47	
			For Class 54 Rating, Add	250.55	
			For Class 55 Rating, Add	556.88	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,024.59	399.11
			For Class 52 Rating, Deduct	-376.19	
			For Class 54 Rating, Add	256.49	
			For Class 55 Rating, Add	570.10	
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,107.29	401.38
			For Class 52 Rating, Deduct	-384.91	
			For Class 54 Rating, Add	262.44	
			For Class 55 Rating, Add	583.31	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.98	403.64
			For Class 52 Rating, Deduct	-393.62	
			For Class 54 Rating, Add	268.38	
			For Class 55 Rating, Add	596.52	
40 05 19 00-0755			14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.06	380.97
			For Class 52 Rating, Deduct	-93.15	
			For Class 54 Rating, Add	63.51	
			For Class 55 Rating, Add	141.17	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,524.11	383.23
			For Class 52 Rating, Deduct	-103.78	
			For Class 54 Rating, Add	70.76	
			For Class 55 Rating, Add	157.27	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,624.17	385.50
			For Class 52 Rating, Deduct	-114.41	
			For Class 54 Rating, Add	78.01	
			For Class 55 Rating, Add	173.38	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.24	387.77
			For Class 52 Rating, Deduct	-125.04	
			For Class 54 Rating, Add	85.25	
			For Class 55 Rating, Add	189.49	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,824.30	390.04
			For Class 52 Rating, Deduct	-135.67	
			For Class 54 Rating, Add	92.50	
			For Class 55 Rating, Add	205.60	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,924.36	392.31
			For Class 52 Rating, Deduct	-146.30	
			For Class 54 Rating, Add	99.75	
			For Class 55 Rating, Add	221.70	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.42	394.57
			For Class 52 Rating, Deduct	-156.92	
			For Class 54 Rating, Add	106.99	
			For Class 55 Rating, Add	237.81	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.48	396.84
			For Class 52 Rating, Deduct	-167.55	
			For Class 54 Rating, Add	114.24	
			For Class 55 Rating, Add	253.92	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.53	399.11
			For Class 52 Rating, Deduct	-178.18	
			For Class 54 Rating, Add	121.49	
			For Class 55 Rating, Add	270.03	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.60	401.38
			For Class 52 Rating, Deduct	-188.81	
			For Class 54 Rating, Add	128.73	
			For Class 55 Rating, Add	286.13	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,424.67	403.64
			For Class 52 Rating, Deduct	-199.44	
			For Class 54 Rating, Add	135.98	
			For Class 55 Rating, Add	302.24	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,524.73	405.91
			For Class 52 Rating, Deduct	-210.07	
			For Class 54 Rating, Add	143.23	
			For Class 55 Rating, Add	318.35	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.79	408.17
			For Class 52 Rating, Deduct	-220.70	
			For Class 54 Rating, Add	150.48	
			For Class 55 Rating, Add	334.46	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,724.84	410.45
			For Class 52 Rating, Deduct	-231.33	
			For Class 54 Rating, Add	157.72	
			For Class 55 Rating, Add	350.56	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,824.91	412.71
			For Class 52 Rating, Deduct	-241.95	
			For Class 54 Rating, Add	164.97	
			For Class 55 Rating, Add	366.67	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.97	414.98
			For Class 52 Rating, Deduct	-252.58	
			For Class 54 Rating, Add	172.22	
			For Class 55 Rating, Add	382.78	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,025.03	417.24
			For Class 52 Rating, Deduct	-263.21	
			For Class 54 Rating, Add	179.46	
			For Class 55 Rating, Add	398.89	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,125.09	419.52
			For Class 52 Rating, Deduct	-273.84	
			For Class 54 Rating, Add	186.71	
			For Class 55 Rating, Add	414.99	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,225.16	421.78
			For Class 52 Rating, Deduct	-284.47	
			For Class 54 Rating, Add	193.96	
			For Class 55 Rating, Add	431.10	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.23	424.05
			For Class 52 Rating, Deduct	-295.10	
			For Class 54 Rating, Add	201.20	
			For Class 55 Rating, Add	447.21	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,425.27	426.32
			For Class 52 Rating, Deduct	-305.73	
			For Class 54 Rating, Add	208.45	
			For Class 55 Rating, Add	463.32	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,525.34	428.59
			For Class 52 Rating, Deduct	-316.36	
			For Class 54 Rating, Add	215.70	
			For Class 55 Rating, Add	479.42	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,625.40	430.86
			For Class 52 Rating, Deduct	-326.98	
			For Class 54 Rating, Add	222.94	
			For Class 55 Rating, Add	495.53	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,725.47	433.12
			For Class 52 Rating, Deduct	-337.61	
			For Class 54 Rating, Add	230.19	
			For Class 55 Rating, Add	511.64	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,825.52	435.39
			For Class 52 Rating, Deduct	-348.24	
			For Class 54 Rating, Add	237.44	
			For Class 55 Rating, Add	527.75	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,925.59	437.66
			For Class 52 Rating, Deduct	-358.87	
			For Class 54 Rating, Add	244.69	
			For Class 55 Rating, Add	543.85	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,025.64	439.93
			For Class 52 Rating, Deduct	-369.50	
			For Class 54 Rating, Add	251.93	
			For Class 55 Rating, Add	559.96	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,125.71	442.19
			For Class 52 Rating, Deduct	-380.13	
			For Class 54 Rating, Add	259.18	
			For Class 55 Rating, Add	576.07	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.76	444.46
			For Class 52 Rating, Deduct	-390.76	
			For Class 54 Rating, Add	266.43	
			For Class 55 Rating, Add	592.18	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.83	446.72
			For Class 52 Rating, Deduct	-401.39	
			For Class 54 Rating, Add	273.67	
			For Class 55 Rating, Add	608.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,425.90	449.00
			For Class 52 Rating, Deduct	-412.02	
			For Class 54 Rating, Add	280.92	
			For Class 55 Rating, Add	624.39	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,525.96	451.26
			For Class 52 Rating, Deduct	-422.64	
			For Class 54 Rating, Add	288.17	
			For Class 55 Rating, Add	640.50	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,626.01	453.53
			For Class 52 Rating, Deduct	-433.27	
			For Class 54 Rating, Add	295.41	
			For Class 55 Rating, Add	656.61	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,726.07	455.79
			For Class 52 Rating, Deduct	-443.90	
			For Class 54 Rating, Add	302.66	
			For Class 55 Rating, Add	672.71	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,826.14	458.07
			For Class 52 Rating, Deduct	-454.53	
			For Class 54 Rating, Add	309.91	
			For Class 55 Rating, Add	688.82	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.19	460.33
			For Class 52 Rating, Deduct	-465.16	
			For Class 54 Rating, Add	317.15	
			For Class 55 Rating, Add	704.93	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.26	462.60
			For Class 52 Rating, Deduct	-475.79	
			For Class 54 Rating, Add	324.40	
			For Class 55 Rating, Add	721.04	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,126.32	464.87
			For Class 52 Rating, Deduct	-486.42	
			For Class 54 Rating, Add	331.65	
			For Class 55 Rating, Add	737.14	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-054)</small>		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,661.76	435.39
			For Class 52 Rating, Deduct	-110.23	
			For Class 54 Rating, Add	75.16	
			For Class 55 Rating, Add	167.05	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,778.11	437.66
			For Class 52 Rating, Deduct	-122.65	
			For Class 54 Rating, Add	83.62	
			For Class 55 Rating, Add	185.87	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.45	439.93
			For Class 52 Rating, Deduct	-135.07	
			For Class 54 Rating, Add	92.09	
			For Class 55 Rating, Add	204.69	
40 05 19 00-0798	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.80	442.19
			For Class 52 Rating, Deduct	-147.49	
			For Class 54 Rating, Add	100.56	
			For Class 55 Rating, Add	223.51	
40 05 19 00-0799	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.15	444.46
			For Class 52 Rating, Deduct	-159.91	
			For Class 54 Rating, Add	109.03	
			For Class 55 Rating, Add	242.34	
40 05 19 00-0800	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.50	446.72
			For Class 52 Rating, Deduct	-172.33	
			For Class 54 Rating, Add	117.50	
			For Class 55 Rating, Add	261.16	
40 05 19 00-0801	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,359.85	449.00
			For Class 52 Rating, Deduct	-184.75	
			For Class 54 Rating, Add	125.97	
			For Class 55 Rating, Add	279.98	
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,476.20	451.26
			For Class 52 Rating, Deduct	-197.17	
			For Class 54 Rating, Add	134.43	
			For Class 55 Rating, Add	298.80	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.53	453.53
			For Class 52 Rating, Deduct	-209.59	
			For Class 54 Rating, Add	142.90	
			For Class 55 Rating, Add	317.63	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,698.02	455.79
			For Class 52 Rating, Deduct	-220.82	
			For Class 54 Rating, Add	150.56	
			For Class 55 Rating, Add	334.64	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,825.23	458.07
			For Class 52 Rating, Deduct	-234.43	
			For Class 54 Rating, Add	159.84	
			For Class 55 Rating, Add	355.27	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,941.57	460.33
			For Class 52 Rating, Deduct	-246.85	
			For Class 54 Rating, Add	168.31	
			For Class 55 Rating, Add	374.09	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,057.92	462.60
			For Class 52 Rating, Deduct	-259.27	
			For Class 54 Rating, Add	176.78	
			For Class 55 Rating, Add	392.91	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.27	464.87
			For Class 52 Rating, Deduct	-271.69	
			For Class 54 Rating, Add	185.24	
			For Class 55 Rating, Add	411.74	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.62	467.14
			For Class 52 Rating, Deduct	-284.11	
			For Class 54 Rating, Add	193.71	
			For Class 55 Rating, Add	430.56	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,406.95	469.41
			For Class 52 Rating, Deduct	-296.53	
			For Class 54 Rating, Add	202.18	
			For Class 55 Rating, Add	449.38	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,523.30	471.67
			For Class 52 Rating, Deduct	-308.95	
			For Class 54 Rating, Add	210.65	
			For Class 55 Rating, Add	468.20	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,639.65	473.94
			For Class 52 Rating, Deduct	-321.37	
			For Class 54 Rating, Add	219.12	
			For Class 55 Rating, Add	487.02	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,756.01	476.21
			For Class 52 Rating, Deduct	-333.79	
			For Class 54 Rating, Add	227.59	
			For Class 55 Rating, Add	505.85	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,872.35	478.48
			For Class 52 Rating, Deduct	-346.21	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	524.67	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,988.70	480.74
			For Class 52 Rating, Deduct	-358.63	
			For Class 54 Rating, Add	244.52	
			For Class 55 Rating, Add	543.49	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,105.04	483.01
			For Class 52 Rating, Deduct	-371.05	
			For Class 54 Rating, Add	252.99	
			For Class 55 Rating, Add	562.31	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,221.39	485.27
			For Class 52 Rating, Deduct	-383.47	
			For Class 54 Rating, Add	261.46	
			For Class 55 Rating, Add	581.14	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,337.73	487.55
			For Class 52 Rating, Deduct	-395.89	
			For Class 54 Rating, Add	269.93	
			For Class 55 Rating, Add	599.96	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,454.08	489.81
			For Class 52 Rating, Deduct	-408.31	
			For Class 54 Rating, Add	278.40	
			For Class 55 Rating, Add	618.78	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,570.43	492.08
			For Class 52 Rating, Deduct	-420.73	
			For Class 54 Rating, Add	286.86	
			For Class 55 Rating, Add	637.60	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,686.78	494.34
			For Class 52 Rating, Deduct	-433.15	
			For Class 54 Rating, Add	295.33	
			For Class 55 Rating, Add	656.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,803.11	496.62
			For Class 52 Rating, Deduct	-445.57	
			For Class 54 Rating, Add	303.80	
			For Class 55 Rating, Add	675.25	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,919.46	498.88
			For Class 52 Rating, Deduct	-457.99	
			For Class 54 Rating, Add	312.27	
			For Class 55 Rating, Add	694.07	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.81	501.15
			For Class 52 Rating, Deduct	-470.41	
			For Class 54 Rating, Add	320.74	
			For Class 55 Rating, Add	712.89	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,152.16	503.42
			For Class 52 Rating, Deduct	-482.83	
			For Class 54 Rating, Add	329.21	
			For Class 55 Rating, Add	731.71	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,268.51	505.69
			For Class 52 Rating, Deduct	-495.26	
			For Class 54 Rating, Add	337.67	
			For Class 55 Rating, Add	750.54	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,384.86	507.96
			For Class 52 Rating, Deduct	-507.68	
			For Class 54 Rating, Add	346.14	
			For Class 55 Rating, Add	769.36	
40 05 19 00-0828	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,501.21	510.22
			For Class 52 Rating, Deduct	-520.10	
			For Class 54 Rating, Add	354.61	
			For Class 55 Rating, Add	788.18	
40 05 19 00-0829	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.55	512.49
			For Class 52 Rating, Deduct	-532.52	
			For Class 54 Rating, Add	363.08	
			For Class 55 Rating, Add	807.00	
40 05 19 00-0830	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,733.89	514.76
			For Class 52 Rating, Deduct	-544.94	
			For Class 54 Rating, Add	371.55	
			For Class 55 Rating, Add	825.83	
40 05 19 00-0831	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,850.24	517.03
			For Class 52 Rating, Deduct	-557.36	
			For Class 54 Rating, Add	380.02	
			For Class 55 Rating, Add	844.65	
40 05 19 00-0832	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,966.59	519.29
			For Class 52 Rating, Deduct	-569.78	
			For Class 54 Rating, Add	388.48	
			For Class 55 Rating, Add	863.47	
40 05 19 00-0833			18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.33	490.72
			For Class 52 Rating, Deduct	-130.77	
			For Class 54 Rating, Add	89.16	
			For Class 55 Rating, Add	198.18	
40 05 19 00-0835	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.05	492.99
			For Class 52 Rating, Deduct	-145.10	
			For Class 54 Rating, Add	98.93	
			For Class 55 Rating, Add	219.89	
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,199.77	495.26
			For Class 52 Rating, Deduct	-159.43	
			For Class 54 Rating, Add	108.70	
			For Class 55 Rating, Add	241.61	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,333.48	497.53
			For Class 52 Rating, Deduct	-173.76	
			For Class 54 Rating, Add	118.47	
			For Class 55 Rating, Add	263.33	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,467.21	499.79
			For Class 52 Rating, Deduct	-188.09	
			For Class 54 Rating, Add	128.25	
			For Class 55 Rating, Add	285.05	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.93	502.06
			For Class 52 Rating, Deduct	-202.43	
			For Class 54 Rating, Add	138.02	
			For Class 55 Rating, Add	306.77	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.64	504.33
			For Class 52 Rating, Deduct	-216.76	
			For Class 54 Rating, Add	147.79	
			For Class 55 Rating, Add	328.48	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,868.35	506.60
			For Class 52 Rating, Deduct	-231.09	
			For Class 54 Rating, Add	157.56	
			For Class 55 Rating, Add	350.20	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,002.07	508.86
			For Class 52 Rating, Deduct	-245.42	
			For Class 54 Rating, Add	167.33	
			For Class 55 Rating, Add	371.92	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.79	511.13
			For Class 52 Rating, Deduct	-259.75	
			For Class 54 Rating, Add	177.10	
			For Class 55 Rating, Add	393.64	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,269.51	513.40
			For Class 52 Rating, Deduct	-274.08	
			For Class 54 Rating, Add	186.87	
			For Class 55 Rating, Add	415.36	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,403.23	515.67
			For Class 52 Rating, Deduct	-288.41	
			For Class 54 Rating, Add	196.64	
			For Class 55 Rating, Add	437.07	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.95	517.94
			For Class 52 Rating, Deduct	-302.74	
			For Class 54 Rating, Add	206.42	
			For Class 55 Rating, Add	458.79	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.66	520.20
			For Class 52 Rating, Deduct	-317.07	
			For Class 54 Rating, Add	216.19	
			For Class 55 Rating, Add	480.51	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.37	522.47
			For Class 52 Rating, Deduct	-331.40	
			For Class 54 Rating, Add	225.96	
			For Class 55 Rating, Add	502.23	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,938.09	524.74
			For Class 52 Rating, Deduct	-345.73	
			For Class 54 Rating, Add	235.73	
			For Class 55 Rating, Add	523.94	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,071.82	527.01
			For Class 52 Rating, Deduct	-360.07	
			For Class 54 Rating, Add	245.50	
			For Class 55 Rating, Add	545.66	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.54	529.27
			For Class 52 Rating, Deduct	-374.40	
			For Class 54 Rating, Add	255.27	
			For Class 55 Rating, Add	567.38	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.25	531.54
			For Class 52 Rating, Deduct	-388.73	
			For Class 54 Rating, Add	265.04	
			For Class 55 Rating, Add	589.10	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,472.96	533.81
			For Class 52 Rating, Deduct	-403.06	
			For Class 54 Rating, Add	274.81	
			For Class 55 Rating, Add	610.82	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,606.68	536.08
			For Class 52 Rating, Deduct	-417.39	
			For Class 54 Rating, Add	284.58	
			For Class 55 Rating, Add	632.53	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.40	538.34
			For Class 52 Rating, Deduct	-431.72	
			For Class 54 Rating, Add	294.35	
			For Class 55 Rating, Add	654.25	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,874.11	540.61
			For Class 52 Rating, Deduct	-446.05	
			For Class 54 Rating, Add	304.13	
			For Class 55 Rating, Add	675.97	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,007.84	542.88
			For Class 52 Rating, Deduct	-460.38	
			For Class 54 Rating, Add	313.90	
			For Class 55 Rating, Add	697.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0858	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.56	545.15
			For Class 52 Rating, Deduct	-474.71	
			For Class 54 Rating, Add	323.67	
			For Class 55 Rating, Add	719.41	
40 05 19 00-0859	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,275.28	547.41
			For Class 52 Rating, Deduct	-489.04	
			For Class 54 Rating, Add	333.44	
			For Class 55 Rating, Add	741.12	
40 05 19 00-0860	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,408.98	549.68
			For Class 52 Rating, Deduct	-503.38	
			For Class 54 Rating, Add	343.21	
			For Class 55 Rating, Add	762.84	
40 05 19 00-0861	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,542.70	551.95
			For Class 52 Rating, Deduct	-517.71	
			For Class 54 Rating, Add	352.98	
			For Class 55 Rating, Add	784.56	
40 05 19 00-0862	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,676.42	554.22
			For Class 52 Rating, Deduct	-532.04	
			For Class 54 Rating, Add	362.75	
			For Class 55 Rating, Add	806.28	
40 05 19 00-0863	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,810.15	556.49
			For Class 52 Rating, Deduct	-546.37	
			For Class 54 Rating, Add	372.52	
			For Class 55 Rating, Add	828.00	
40 05 19 00-0864	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,943.86	558.75
			For Class 52 Rating, Deduct	-560.70	
			For Class 54 Rating, Add	382.30	
			For Class 55 Rating, Add	849.71	
40 05 19 00-0865	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,077.58	561.02
			For Class 52 Rating, Deduct	-575.03	
			For Class 54 Rating, Add	392.07	
			For Class 55 Rating, Add	871.43	
40 05 19 00-0866	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,211.29	563.29
			For Class 52 Rating, Deduct	-589.36	
			For Class 54 Rating, Add	401.84	
			For Class 55 Rating, Add	893.15	
40 05 19 00-0867	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,345.00	565.56
			For Class 52 Rating, Deduct	-603.69	
			For Class 54 Rating, Add	411.61	
			For Class 55 Rating, Add	914.87	
40 05 19 00-0868	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,478.72	567.82
			For Class 52 Rating, Deduct	-618.02	
			For Class 54 Rating, Add	421.38	
			For Class 55 Rating, Add	936.59	
40 05 19 00-0869	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,612.45	570.09
			For Class 52 Rating, Deduct	-632.35	
			For Class 54 Rating, Add	431.15	
			For Class 55 Rating, Add	958.30	
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,746.17	572.36
			For Class 52 Rating, Deduct	-646.69	
			For Class 54 Rating, Add	440.92	
			For Class 55 Rating, Add	980.02	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,879.88	574.63
			For Class 52 Rating, Deduct	-661.02	
			For Class 54 Rating, Add	450.69	
			For Class 55 Rating, Add	1,001.74	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,237.23	560.11
			For Class 52 Rating, Deduct	-152.74	
			For Class 54 Rating, Add	104.14	
			For Class 55 Rating, Add	231.48	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,390.50	562.38
			For Class 52 Rating, Deduct	-169.23	
			For Class 54 Rating, Add	115.38	
			For Class 55 Rating, Add	256.45	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.76	564.65
			For Class 52 Rating, Deduct	-185.71	
			For Class 54 Rating, Add	126.62	
			For Class 55 Rating, Add	281.43	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,697.02	566.91
			For Class 52 Rating, Deduct	-202.19	
			For Class 54 Rating, Add	137.85	
			For Class 55 Rating, Add	306.40	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,850.27	569.18
			For Class 52 Rating, Deduct	-218.67	
			For Class 54 Rating, Add	149.09	
			For Class 55 Rating, Add	331.38	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.53	571.44
			For Class 52 Rating, Deduct	-235.15	
			For Class 54 Rating, Add	160.33	
			For Class 55 Rating, Add	356.35	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,156.80	573.72
			For Class 52 Rating, Deduct	-251.63	
			For Class 54 Rating, Add	171.56	
			For Class 55 Rating, Add	381.33	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,310.05	575.98
			For Class 52 Rating, Deduct	-268.11	
			For Class 54 Rating, Add	182.80	
			For Class 55 Rating, Add	406.31	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.32	578.25
			For Class 52 Rating, Deduct	-284.59	
			For Class 54 Rating, Add	194.04	
			For Class 55 Rating, Add	431.28	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,616.58	580.52
			For Class 52 Rating, Deduct	-301.07	
			For Class 54 Rating, Add	205.28	
			For Class 55 Rating, Add	456.26	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,769.83	582.79
			For Class 52 Rating, Deduct	-317.55	
			For Class 54 Rating, Add	216.51	
			For Class 55 Rating, Add	481.23	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,923.09	585.06
			For Class 52 Rating, Deduct	-334.03	
			For Class 54 Rating, Add	227.75	
			For Class 55 Rating, Add	506.21	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,076.35	587.32
			For Class 52 Rating, Deduct	-350.51	
			For Class 54 Rating, Add	238.99	
			For Class 55 Rating, Add	531.18	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.61	589.59
			For Class 52 Rating, Deduct	-366.99	
			For Class 54 Rating, Add	250.22	
			For Class 55 Rating, Add	556.16	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,382.88	591.86
			For Class 52 Rating, Deduct	-383.47	
			For Class 54 Rating, Add	261.46	
			For Class 55 Rating, Add	581.14	
40 05 19 00-0888	EA		20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,536.13	594.13
			For Class 52 Rating, Deduct	-399.95	
			For Class 54 Rating, Add	272.70	
			For Class 55 Rating, Add	606.11	
40 05 19 00-0889	EA		20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,689.40	596.39
			For Class 52 Rating, Deduct	-416.43	
			For Class 54 Rating, Add	283.93	
			For Class 55 Rating, Add	631.09	
40 05 19 00-0890	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,842.65	598.66
			For Class 52 Rating, Deduct	-432.91	
			For Class 54 Rating, Add	295.17	
			For Class 55 Rating, Add	656.06	
40 05 19 00-0891	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,995.90	600.93
			For Class 52 Rating, Deduct	-449.40	
			For Class 54 Rating, Add	306.41	
			For Class 55 Rating, Add	681.04	
40 05 19 00-0892	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,149.17	603.20
			For Class 52 Rating, Deduct	-465.88	
			For Class 54 Rating, Add	317.64	
			For Class 55 Rating, Add	706.01	
40 05 19 00-0893	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,302.43	605.46
			For Class 52 Rating, Deduct	-482.36	
			For Class 54 Rating, Add	328.88	
			For Class 55 Rating, Add	730.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0894	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,455.70	607.73
			For Class 52 Rating, Deduct	-498.84	
			For Class 54 Rating, Add	340.12	
			For Class 55 Rating, Add	755.97	
40 05 19 00-0895	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,608.95	609.99
			For Class 52 Rating, Deduct	-515.32	
			For Class 54 Rating, Add	351.35	
			For Class 55 Rating, Add	780.94	
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,762.20	612.27
			For Class 52 Rating, Deduct	-531.80	
			For Class 54 Rating, Add	362.59	
			For Class 55 Rating, Add	805.92	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,915.47	614.53
			For Class 52 Rating, Deduct	-548.28	
			For Class 54 Rating, Add	373.83	
			For Class 55 Rating, Add	830.89	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,068.73	616.80
			For Class 52 Rating, Deduct	-564.76	
			For Class 54 Rating, Add	385.06	
			For Class 55 Rating, Add	855.87	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,221.98	619.07
			For Class 52 Rating, Deduct	-581.24	
			For Class 54 Rating, Add	396.30	
			For Class 55 Rating, Add	880.84	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,375.25	621.34
			For Class 52 Rating, Deduct	-597.72	
			For Class 54 Rating, Add	407.54	
			For Class 55 Rating, Add	905.82	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,528.51	623.61
			For Class 52 Rating, Deduct	-614.20	
			For Class 54 Rating, Add	418.77	
			For Class 55 Rating, Add	930.79	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,681.77	625.87
			For Class 52 Rating, Deduct	-630.68	
			For Class 54 Rating, Add	430.01	
			For Class 55 Rating, Add	955.77	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,835.02	628.14
			For Class 52 Rating, Deduct	-647.16	
			For Class 54 Rating, Add	441.25	
			For Class 55 Rating, Add	980.75	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,988.28	630.41
			For Class 52 Rating, Deduct	-663.64	
			For Class 54 Rating, Add	452.48	
			For Class 55 Rating, Add	1,005.72	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,141.55	632.68
			For Class 52 Rating, Deduct	-680.12	
			For Class 54 Rating, Add	463.72	
			For Class 55 Rating, Add	1,030.70	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,294.81	634.94
			For Class 52 Rating, Deduct	-696.60	
			For Class 54 Rating, Add	474.96	
			For Class 55 Rating, Add	1,055.67	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,448.07	637.21
			For Class 52 Rating, Deduct	-713.09	
			For Class 54 Rating, Add	486.20	
			For Class 55 Rating, Add	1,080.65	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,601.33	639.48
			For Class 52 Rating, Deduct	-729.57	
			For Class 54 Rating, Add	497.43	
			For Class 55 Rating, Add	1,105.62	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,754.58	641.75
			For Class 52 Rating, Deduct	-746.05	
			For Class 54 Rating, Add	508.67	
			For Class 55 Rating, Add	1,130.60	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,907.85	644.01
			For Class 52 Rating, Deduct	-762.53	
			For Class 54 Rating, Add	519.91	
			For Class 55 Rating, Add	1,155.58	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,757.72	662.16
			For Class 52 Rating, Deduct	-192.99	
			For Class 54 Rating, Add	131.58	
			For Class 55 Rating, Add	292.47	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.81	664.42
			For Class 52 Rating, Deduct	-213.41	
			For Class 54 Rating, Add	145.51	
			For Class 55 Rating, Add	323.42	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.90	666.69
			For Class 52 Rating, Deduct	-233.83	
			For Class 54 Rating, Add	159.43	
			For Class 55 Rating, Add	354.36	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.98	668.96
			For Class 52 Rating, Deduct	-254.26	
			For Class 54 Rating, Add	173.36	
			For Class 55 Rating, Add	385.31	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,514.06	671.23
			For Class 52 Rating, Deduct	-274.68	
			For Class 54 Rating, Add	187.28	
			For Class 55 Rating, Add	416.26	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.16	673.49
			For Class 52 Rating, Deduct	-295.10	
			For Class 54 Rating, Add	201.20	
			For Class 55 Rating, Add	447.21	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.25	675.76
			For Class 52 Rating, Deduct	-315.52	
			For Class 54 Rating, Add	215.13	
			For Class 55 Rating, Add	478.16	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,081.34	678.03
			For Class 52 Rating, Deduct	-335.94	
			For Class 54 Rating, Add	229.05	
			For Class 55 Rating, Add	509.11	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,270.42	680.30
			For Class 52 Rating, Deduct	-356.36	
			For Class 54 Rating, Add	242.98	
			For Class 55 Rating, Add	540.05	
40 05 19 00-0921	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,459.51	682.56
			For Class 52 Rating, Deduct	-376.79	
			For Class 54 Rating, Add	256.90	
			For Class 55 Rating, Add	571.00	
40 05 19 00-0922	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,648.59	684.83
			For Class 52 Rating, Deduct	-397.21	
			For Class 54 Rating, Add	270.82	
			For Class 55 Rating, Add	601.95	
40 05 19 00-0923	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,837.68	687.09
			For Class 52 Rating, Deduct	-417.63	
			For Class 54 Rating, Add	284.75	
			For Class 55 Rating, Add	632.90	
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.76	689.37
			For Class 52 Rating, Deduct	-438.05	
			For Class 54 Rating, Add	298.67	
			For Class 55 Rating, Add	663.84	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.86	691.63
			For Class 52 Rating, Deduct	-458.47	
			For Class 54 Rating, Add	312.59	
			For Class 55 Rating, Add	694.79	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,404.95	693.90
			For Class 52 Rating, Deduct	-478.89	
			For Class 54 Rating, Add	326.52	
			For Class 55 Rating, Add	725.74	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,594.04	696.17
			For Class 52 Rating, Deduct	-499.32	
			For Class 54 Rating, Add	340.44	
			For Class 55 Rating, Add	756.69	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,783.11	698.44
			For Class 52 Rating, Deduct	-519.74	
			For Class 54 Rating, Add	354.37	
			For Class 55 Rating, Add	787.64	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,972.20	700.71
			For Class 52 Rating, Deduct	-540.16	
			For Class 54 Rating, Add	368.29	
			For Class 55 Rating, Add	818.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,161.29	702.97
			For Class 52 Rating, Deduct	-560.58	
			For Class 54 Rating, Add	382.21	
			For Class 55 Rating, Add	849.53	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,350.38	705.24
			For Class 52 Rating, Deduct	-581.00	
			For Class 54 Rating, Add	396.14	
			For Class 55 Rating, Add	880.48	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,539.46	707.51
			For Class 52 Rating, Deduct	-601.42	
			For Class 54 Rating, Add	410.06	
			For Class 55 Rating, Add	911.43	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,728.56	709.78
			For Class 52 Rating, Deduct	-621.85	
			For Class 54 Rating, Add	423.99	
			For Class 55 Rating, Add	942.38	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,917.64	712.04
			For Class 52 Rating, Deduct	-642.27	
			For Class 54 Rating, Add	437.91	
			For Class 55 Rating, Add	973.33	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,106.73	714.31
			For Class 52 Rating, Deduct	-662.69	
			For Class 54 Rating, Add	451.83	
			For Class 55 Rating, Add	1,004.27	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,295.81	716.58
			For Class 52 Rating, Deduct	-683.11	
			For Class 54 Rating, Add	465.76	
			For Class 55 Rating, Add	1,035.22	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,484.90	718.85
			For Class 52 Rating, Deduct	-703.53	
			For Class 54 Rating, Add	479.68	
			For Class 55 Rating, Add	1,066.17	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,673.99	721.11
			For Class 52 Rating, Deduct	-723.95	
			For Class 54 Rating, Add	493.60	
			For Class 55 Rating, Add	1,097.12	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,863.07	723.38
			For Class 52 Rating, Deduct	-744.37	
			For Class 54 Rating, Add	507.53	
			For Class 55 Rating, Add	1,128.07	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,052.16	725.64
			For Class 52 Rating, Deduct	-764.80	
			For Class 54 Rating, Add	521.45	
			For Class 55 Rating, Add	1,159.01	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,299.67	766.47
			For Class 52 Rating, Deduct	-785.22	
			For Class 54 Rating, Add	535.38	
			For Class 55 Rating, Add	1,189.96	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,488.75	768.73
			For Class 52 Rating, Deduct	-805.64	
			For Class 54 Rating, Add	549.30	
			For Class 55 Rating, Add	1,220.91	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,677.83	771.00
			For Class 52 Rating, Deduct	-826.06	
			For Class 54 Rating, Add	563.22	
			For Class 55 Rating, Add	1,251.86	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,866.92	773.27
			For Class 52 Rating, Deduct	-846.48	
			For Class 54 Rating, Add	577.15	
			For Class 55 Rating, Add	1,282.81	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,056.01	775.54
			For Class 52 Rating, Deduct	-866.90	
			For Class 54 Rating, Add	591.07	
			For Class 55 Rating, Add	1,313.75	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,245.09	777.81
			For Class 52 Rating, Deduct	-887.33	
			For Class 54 Rating, Add	605.00	
			For Class 55 Rating, Add	1,344.70	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,434.18	780.07
			For Class 52 Rating, Deduct	-907.75	
			For Class 54 Rating, Add	618.92	
			For Class 55 Rating, Add	1,375.65	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,623.27	782.34
			For Class 52 Rating, Deduct	-928.17	
			For Class 54 Rating, Add	632.84	
			For Class 55 Rating, Add	1,406.60	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,812.36	784.61
			For Class 52 Rating, Deduct	-948.59	
			For Class 54 Rating, Add	646.77	
			For Class 55 Rating, Add	1,437.55	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,216.61	934.27
			For Class 52 Rating, Deduct	-308.12	
			For Class 54 Rating, Add	210.08	
			For Class 55 Rating, Add	466.94	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,488.22	936.54
			For Class 52 Rating, Deduct	-337.61	
			For Class 54 Rating, Add	230.19	
			For Class 55 Rating, Add	511.64	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,759.82	938.81
			For Class 52 Rating, Deduct	-367.11	
			For Class 54 Rating, Add	250.30	
			For Class 55 Rating, Add	556.34	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.42	941.08
			For Class 52 Rating, Deduct	-396.61	
			For Class 54 Rating, Add	270.42	
			For Class 55 Rating, Add	601.04	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.01	943.34
			For Class 52 Rating, Deduct	-426.11	
			For Class 54 Rating, Add	290.53	
			For Class 55 Rating, Add	645.75	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,574.61	945.61
			For Class 52 Rating, Deduct	-455.61	
			For Class 54 Rating, Add	310.64	
			For Class 55 Rating, Add	690.45	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,846.21	947.88
			For Class 52 Rating, Deduct	-485.10	
			For Class 54 Rating, Add	330.75	
			For Class 55 Rating, Add	735.15	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,117.82	950.15
			For Class 52 Rating, Deduct	-514.60	
			For Class 54 Rating, Add	350.87	
			For Class 55 Rating, Add	779.86	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,389.41	952.41
			For Class 52 Rating, Deduct	-544.10	
			For Class 54 Rating, Add	370.98	
			For Class 55 Rating, Add	824.56	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,661.01	954.68
			For Class 52 Rating, Deduct	-573.60	
			For Class 54 Rating, Add	391.09	
			For Class 55 Rating, Add	869.26	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,932.60	956.95
			For Class 52 Rating, Deduct	-603.09	
			For Class 54 Rating, Add	411.20	
			For Class 55 Rating, Add	913.96	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,204.21	959.22
			For Class 52 Rating, Deduct	-632.59	
			For Class 54 Rating, Add	431.31	
			For Class 55 Rating, Add	958.67	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,475.80	961.48
			For Class 52 Rating, Deduct	-662.09	
			For Class 54 Rating, Add	451.43	
			For Class 55 Rating, Add	1,003.37	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,747.40	963.75
			For Class 52 Rating, Deduct	-691.59	
			For Class 54 Rating, Add	471.54	
			For Class 55 Rating, Add	1,048.07	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,019.01	966.01
			For Class 52 Rating, Deduct	-721.09	
			For Class 54 Rating, Add	491.65	
			For Class 55 Rating, Add	1,092.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,290.61	968.29
			For Class 52 Rating, Deduct	-750.59	
			For Class 54 Rating, Add	511.76	
			For Class 55 Rating, Add	1,137.48	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,562.19	970.56
			For Class 52 Rating, Deduct	-780.08	
			For Class 54 Rating, Add	531.87	
			For Class 55 Rating, Add	1,182.18	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,833.79	972.82
			For Class 52 Rating, Deduct	-809.58	
			For Class 54 Rating, Add	551.99	
			For Class 55 Rating, Add	1,226.88	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,105.40	975.09
			For Class 52 Rating, Deduct	-839.08	
			For Class 54 Rating, Add	572.10	
			For Class 55 Rating, Add	1,271.59	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,377.00	977.36
			For Class 52 Rating, Deduct	-868.58	
			For Class 54 Rating, Add	592.21	
			For Class 55 Rating, Add	1,316.29	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,648.59	979.63
			For Class 52 Rating, Deduct	-898.07	
			For Class 54 Rating, Add	612.32	
			For Class 55 Rating, Add	1,360.99	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,920.20	981.89
			For Class 52 Rating, Deduct	-927.57	
			For Class 54 Rating, Add	632.44	
			For Class 55 Rating, Add	1,405.69	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,191.80	984.16
			For Class 52 Rating, Deduct	-957.07	
			For Class 54 Rating, Add	652.55	
			For Class 55 Rating, Add	1,450.40	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,463.38	986.43
			For Class 52 Rating, Deduct	-986.57	
			For Class 54 Rating, Add	672.66	
			For Class 55 Rating, Add	1,495.10	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,734.99	988.70
			For Class 52 Rating, Deduct	-1,016.07	
			For Class 54 Rating, Add	692.77	
			For Class 55 Rating, Add	1,539.80	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,006.59	990.96
			For Class 52 Rating, Deduct	-1,045.56	
			For Class 54 Rating, Add	712.88	
			For Class 55 Rating, Add	1,584.51	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,278.19	993.23
			For Class 52 Rating, Deduct	-1,075.06	
			For Class 54 Rating, Add	733.00	
			For Class 55 Rating, Add	1,629.21	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,549.78	995.50
			For Class 52 Rating, Deduct	-1,104.56	
			For Class 54 Rating, Add	753.11	
			For Class 55 Rating, Add	1,673.91	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,821.39	997.77
			For Class 52 Rating, Deduct	-1,134.06	
			For Class 54 Rating, Add	773.22	
			For Class 55 Rating, Add	1,718.61	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,092.98	1,000.03
			For Class 52 Rating, Deduct	-1,163.56	
			For Class 54 Rating, Add	793.33	
			For Class 55 Rating, Add	1,763.32	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,364.58	1,002.30
			For Class 52 Rating, Deduct	-1,193.05	
			For Class 54 Rating, Add	813.45	
			For Class 55 Rating, Add	1,808.02	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,636.18	1,004.57
			For Class 52 Rating, Deduct	-1,222.55	
			For Class 54 Rating, Add	833.56	
			For Class 55 Rating, Add	1,852.72	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,907.78	1,006.84
			For Class 52 Rating, Deduct	-1,252.05	
			For Class 54 Rating, Add	853.67	
			For Class 55 Rating, Add	1,897.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0984	EA 30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,179.38	1,009.11
	For Class 52 Rating, Deduct	-1,281.55	
	For Class 54 Rating, Add	873.78	
	For Class 55 Rating, Add	1,942.13	
40 05 19 00-0985	EA 30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,450.99	1,011.37
	For Class 52 Rating, Deduct	-1,311.05	
	For Class 54 Rating, Add	893.90	
	For Class 55 Rating, Add	1,986.83	
40 05 19 00-0986	EA 30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,722.57	1,013.64
	For Class 52 Rating, Deduct	-1,340.54	
	For Class 54 Rating, Add	914.01	
	For Class 55 Rating, Add	2,031.53	
40 05 19 00-0987	EA 30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,994.17	1,015.91
	For Class 52 Rating, Deduct	-1,370.04	
	For Class 54 Rating, Add	934.12	
	For Class 55 Rating, Add	2,076.24	
40 05 19 00-0988	EA 30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,265.77	1,018.18
	For Class 52 Rating, Deduct	-1,399.54	
	For Class 54 Rating, Add	954.23	
	For Class 55 Rating, Add	2,120.94	
40 05 19 00-0989	36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA 36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,742.13	1,183.71
	For Class 52 Rating, Deduct	-434.35	
	For Class 54 Rating, Add	296.15	
	For Class 55 Rating, Add	658.23	
40 05 19 00-0991	EA 36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,110.36	1,185.98
	For Class 52 Rating, Deduct	-474.48	
	For Class 54 Rating, Add	323.51	
	For Class 55 Rating, Add	719.05	
40 05 19 00-0992	EA 36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,478.57	1,188.25
	For Class 52 Rating, Deduct	-514.60	
	For Class 54 Rating, Add	350.87	
	For Class 55 Rating, Add	779.86	
40 05 19 00-0993	EA 36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,846.79	1,190.52
	For Class 52 Rating, Deduct	-554.73	
	For Class 54 Rating, Add	378.22	
	For Class 55 Rating, Add	840.66	
40 05 19 00-0994	EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,215.02	1,192.78
	For Class 52 Rating, Deduct	-594.85	
	For Class 54 Rating, Add	405.58	
	For Class 55 Rating, Add	901.48	
40 05 19 00-0995	EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,583.25	1,195.05
	For Class 52 Rating, Deduct	-634.98	
	For Class 54 Rating, Add	432.94	
	For Class 55 Rating, Add	962.29	
40 05 19 00-0996	EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,951.47	1,197.32
	For Class 52 Rating, Deduct	-675.11	
	For Class 54 Rating, Add	460.30	
	For Class 55 Rating, Add	1,023.10	
40 05 19 00-0997	EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,319.70	1,199.59
	For Class 52 Rating, Deduct	-715.24	
	For Class 54 Rating, Add	487.66	
	For Class 55 Rating, Add	1,083.91	
40 05 19 00-0998	EA 36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,687.92	1,201.86
	For Class 52 Rating, Deduct	-755.36	
	For Class 54 Rating, Add	515.02	
	For Class 55 Rating, Add	1,144.72	
40 05 19 00-0999	EA 36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,056.14	1,204.12
	For Class 52 Rating, Deduct	-795.49	
	For Class 54 Rating, Add	542.38	
	For Class 55 Rating, Add	1,205.53	
40 05 19 00-1000	EA 36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,424.36	1,206.40
	For Class 52 Rating, Deduct	-835.62	
	For Class 54 Rating, Add	569.74	
	For Class 55 Rating, Add	1,266.34	
40 05 19 00-1001	EA 36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,792.59	1,208.66
	For Class 52 Rating, Deduct	-875.74	
	For Class 54 Rating, Add	597.10	
	For Class 55 Rating, Add	1,327.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	10,160.82	1,210.93
			For Class 52 Rating, Deduct	-915.87	
			For Class 54 Rating, Add	624.46	
			For Class 55 Rating, Add	1,387.96	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	10,529.05	1,213.19
			For Class 52 Rating, Deduct	-956.00	
			For Class 54 Rating, Add	651.82	
			For Class 55 Rating, Add	1,448.77	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	10,897.26	1,215.46
			For Class 52 Rating, Deduct	-996.12	
			For Class 54 Rating, Add	679.17	
			For Class 55 Rating, Add	1,509.58	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	11,265.49	1,217.73
			For Class 52 Rating, Deduct	-1,036.25	
			For Class 54 Rating, Add	706.53	
			For Class 55 Rating, Add	1,570.39	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	11,633.71	1,220.00
			For Class 52 Rating, Deduct	-1,076.38	
			For Class 54 Rating, Add	733.89	
			For Class 55 Rating, Add	1,631.20	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,001.94	1,222.26
			For Class 52 Rating, Deduct	-1,116.50	
			For Class 54 Rating, Add	761.25	
			For Class 55 Rating, Add	1,692.01	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,370.16	1,224.53
			For Class 52 Rating, Deduct	-1,156.63	
			For Class 54 Rating, Add	788.61	
			For Class 55 Rating, Add	1,752.82	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	12,738.39	1,226.80
			For Class 52 Rating, Deduct	-1,196.76	
			For Class 54 Rating, Add	815.97	
			For Class 55 Rating, Add	1,813.63	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,106.62	1,229.07
			For Class 52 Rating, Deduct	-1,236.88	
			For Class 54 Rating, Add	843.33	
			For Class 55 Rating, Add	1,874.44	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,474.84	1,231.33
			For Class 52 Rating, Deduct	-1,277.01	
			For Class 54 Rating, Add	870.69	
			For Class 55 Rating, Add	1,935.25	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	13,843.05	1,233.60
			For Class 52 Rating, Deduct	-1,317.14	
			For Class 54 Rating, Add	898.05	
			For Class 55 Rating, Add	1,996.06	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,211.28	1,235.87
			For Class 52 Rating, Deduct	-1,357.26	
			For Class 54 Rating, Add	925.41	
			For Class 55 Rating, Add	2,056.87	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,579.51	1,238.14
			For Class 52 Rating, Deduct	-1,397.39	
			For Class 54 Rating, Add	952.77	
			For Class 55 Rating, Add	2,117.68	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,947.74	1,240.41
			For Class 52 Rating, Deduct	-1,437.52	
			For Class 54 Rating, Add	980.12	
			For Class 55 Rating, Add	2,178.49	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,315.96	1,242.67
			For Class 52 Rating, Deduct	-1,477.64	
			For Class 54 Rating, Add	1,007.48	
			For Class 55 Rating, Add	2,239.30	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,684.18	1,244.95
			For Class 52 Rating, Deduct	-1,517.77	
			For Class 54 Rating, Add	1,034.84	
			For Class 55 Rating, Add	2,300.11	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,052.41	1,247.21
			For Class 52 Rating, Deduct	-1,557.90	
			For Class 54 Rating, Add	1,062.20	
			For Class 55 Rating, Add	2,360.92	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,420.62	1,249.48
			For Class 52 Rating, Deduct	-1,598.02	
			For Class 54 Rating, Add	1,089.56	
			For Class 55 Rating, Add	2,421.73	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,788.85	1,251.74
			For Class 52 Rating, Deduct	-1,638.15	
			For Class 54 Rating, Add	1,116.92	
			For Class 55 Rating, Add	2,482.54	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,157.08	1,254.01
			For Class 52 Rating, Deduct	-1,678.28	
			For Class 54 Rating, Add	1,144.28	
			For Class 55 Rating, Add	2,543.35	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,525.31	1,256.28
			For Class 52 Rating, Deduct	-1,718.40	
			For Class 54 Rating, Add	1,171.64	
			For Class 55 Rating, Add	2,604.16	
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,893.52	1,258.55
			For Class 52 Rating, Deduct	-1,758.53	
			For Class 54 Rating, Add	1,199.00	
			For Class 55 Rating, Add	2,664.97	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,261.75	1,260.81
			For Class 52 Rating, Deduct	-1,798.66	
			For Class 54 Rating, Add	1,226.36	
			For Class 55 Rating, Add	2,725.78	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,629.98	1,263.08
			For Class 52 Rating, Deduct	-1,838.78	
			For Class 54 Rating, Add	1,253.72	
			For Class 55 Rating, Add	2,786.59	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,998.20	1,265.35
			For Class 52 Rating, Deduct	-1,878.91	
			For Class 54 Rating, Add	1,281.08	
			For Class 55 Rating, Add	2,847.40	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,366.42	1,267.62
			For Class 52 Rating, Deduct	-1,919.04	
			For Class 54 Rating, Add	1,308.43	
			For Class 55 Rating, Add	2,908.21	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	325.45	110.90
			For Class 52 Rating, Deduct	-17.32	
			For Class 54 Rating, Add	11.81	
			For Class 55 Rating, Add	26.24	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	356.61	112.84
			For Class 52 Rating, Deduct	-20.42	
			For Class 54 Rating, Add	13.92	
			For Class 55 Rating, Add	30.95	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	387.79	114.79
			For Class 52 Rating, Deduct	-23.53	
			For Class 54 Rating, Add	16.04	
			For Class 55 Rating, Add	35.65	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	418.95	116.72
			For Class 52 Rating, Deduct	-26.63	
			For Class 54 Rating, Add	18.16	
			For Class 55 Rating, Add	40.36	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	450.11	118.66
			For Class 52 Rating, Deduct	-29.74	
			For Class 54 Rating, Add	20.27	
			For Class 55 Rating, Add	45.06	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	481.27	120.59
			For Class 52 Rating, Deduct	-32.84	
			For Class 54 Rating, Add	22.39	
			For Class 55 Rating, Add	49.77	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	512.45	122.54
			For Class 52 Rating, Deduct	-35.95	
			For Class 54 Rating, Add	24.51	
			For Class 55 Rating, Add	54.48	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	543.61	124.47
			For Class 52 Rating, Deduct	-39.05	
			For Class 54 Rating, Add	26.63	
			For Class 55 Rating, Add	59.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	574.77	126.41
			For Class 52 Rating, Deduct	-42.16	
			For Class 54 Rating, Add	28.74	
			For Class 55 Rating, Add	63.89	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	605.93	128.35
			For Class 52 Rating, Deduct	-45.26	
			For Class 54 Rating, Add	30.86	
			For Class 55 Rating, Add	68.59	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	637.11	130.29
			For Class 52 Rating, Deduct	-48.37	
			For Class 54 Rating, Add	32.98	
			For Class 55 Rating, Add	73.30	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	668.27	132.23
			For Class 52 Rating, Deduct	-51.47	
			For Class 54 Rating, Add	35.09	
			For Class 55 Rating, Add	78.00	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	699.44	134.17
			For Class 52 Rating, Deduct	-54.58	
			For Class 54 Rating, Add	37.21	
			For Class 55 Rating, Add	82.71	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	730.60	136.11
			For Class 52 Rating, Deduct	-57.68	
			For Class 54 Rating, Add	39.33	
			For Class 55 Rating, Add	87.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	761.77	138.05
			For Class 52 Rating, Deduct	-60.79	
			For Class 54 Rating, Add	41.45	
			For Class 55 Rating, Add	92.12	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	792.94	139.99
			For Class 52 Rating, Deduct	-63.89	
			For Class 54 Rating, Add	43.56	
			For Class 55 Rating, Add	96.83	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	824.10	141.92
			For Class 52 Rating, Deduct	-67.00	
			For Class 54 Rating, Add	45.68	
			For Class 55 Rating, Add	101.53	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	855.26	143.86
			For Class 52 Rating, Deduct	-70.10	
			For Class 54 Rating, Add	47.80	
			For Class 55 Rating, Add	106.24	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	886.43	145.80
			For Class 52 Rating, Deduct	-73.21	
			For Class 54 Rating, Add	49.91	
			For Class 55 Rating, Add	110.94	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	917.60	147.74
			For Class 52 Rating, Deduct	-76.31	
			For Class 54 Rating, Add	52.03	
			For Class 55 Rating, Add	115.65	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	948.76	149.68
			For Class 52 Rating, Deduct	-79.42	
			For Class 54 Rating, Add	54.15	
			For Class 55 Rating, Add	120.35	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	979.92	151.61
			For Class 52 Rating, Deduct	-82.52	
			For Class 54 Rating, Add	56.27	
			For Class 55 Rating, Add	125.06	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,011.09	153.56
			For Class 52 Rating, Deduct	-85.63	
			For Class 54 Rating, Add	58.38	
			For Class 55 Rating, Add	129.76	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,042.26	155.50
			For Class 52 Rating, Deduct	-88.73	
			For Class 54 Rating, Add	60.50	
			For Class 55 Rating, Add	134.47	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,073.42	157.43
			For Class 52 Rating, Deduct	-91.84	
			For Class 54 Rating, Add	62.62	
			For Class 55 Rating, Add	139.18	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,104.59	159.37
			For Class 52 Rating, Deduct	-94.94	
			For Class 54 Rating, Add	64.73	
			For Class 55 Rating, Add	143.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,135.75	161.32
			For Class 52 Rating, Deduct	-98.05	
			For Class 54 Rating, Add	66.85	
			For Class 55 Rating, Add	148.59	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.92	163.25
			For Class 52 Rating, Deduct	-101.15	
			For Class 54 Rating, Add	68.97	
			For Class 55 Rating, Add	153.29	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,198.08	165.19
			For Class 52 Rating, Deduct	-104.26	
			For Class 54 Rating, Add	71.09	
			For Class 55 Rating, Add	158.00	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,229.25	167.12
			For Class 52 Rating, Deduct	-107.36	
			For Class 54 Rating, Add	73.20	
			For Class 55 Rating, Add	162.70	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,260.41	169.07
			For Class 52 Rating, Deduct	-110.47	
			For Class 54 Rating, Add	75.32	
			For Class 55 Rating, Add	167.41	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.58	171.01
			For Class 52 Rating, Deduct	-113.57	
			For Class 54 Rating, Add	77.44	
			For Class 55 Rating, Add	172.11	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.74	172.94
			For Class 52 Rating, Deduct	-116.68	
			For Class 54 Rating, Add	79.55	
			For Class 55 Rating, Add	176.82	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.91	174.88
			For Class 52 Rating, Deduct	-119.78	
			For Class 54 Rating, Add	81.67	
			For Class 55 Rating, Add	181.53	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,385.07	176.83
			For Class 52 Rating, Deduct	-122.89	
			For Class 54 Rating, Add	83.79	
			For Class 55 Rating, Add	186.23	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,416.24	178.76
			For Class 52 Rating, Deduct	-125.99	
			For Class 54 Rating, Add	85.90	
			For Class 55 Rating, Add	190.94	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,447.40	180.70
			For Class 52 Rating, Deduct	-129.10	
			For Class 54 Rating, Add	88.02	
			For Class 55 Rating, Add	195.64	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.57	182.64
			For Class 52 Rating, Deduct	-132.20	
			For Class 54 Rating, Add	90.14	
			For Class 55 Rating, Add	200.35	
40 05 19 00-1068	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,509.74	184.59
			For Class 52 Rating, Deduct	-135.31	
			For Class 54 Rating, Add	92.26	
			For Class 55 Rating, Add	205.05	
40 05 19 00-1069			6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1070	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	408.02	139.60
			For Class 52 Rating, Deduct	-21.62	
			For Class 54 Rating, Add	14.74	
			For Class 55 Rating, Add	32.76	
40 05 19 00-1071	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	445.70	141.54
			For Class 52 Rating, Deduct	-25.44	
			For Class 54 Rating, Add	17.34	
			For Class 55 Rating, Add	38.55	
40 05 19 00-1072	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	483.38	143.47
			For Class 52 Rating, Deduct	-29.26	
			For Class 54 Rating, Add	19.95	
			For Class 55 Rating, Add	44.34	
40 05 19 00-1073	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	521.05	145.42
			For Class 52 Rating, Deduct	-33.08	
			For Class 54 Rating, Add	22.55	
			For Class 55 Rating, Add	50.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	558.74	147.36
			For Class 52 Rating, Deduct	-36.90	
			For Class 54 Rating, Add	25.16	
			For Class 55 Rating, Add	55.92	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	596.42	149.29
			For Class 52 Rating, Deduct	-40.72	
			For Class 54 Rating, Add	27.77	
			For Class 55 Rating, Add	61.72	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	634.10	151.23
			For Class 52 Rating, Deduct	-44.55	
			For Class 54 Rating, Add	30.37	
			For Class 55 Rating, Add	67.51	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	671.77	153.17
			For Class 52 Rating, Deduct	-48.37	
			For Class 54 Rating, Add	32.98	
			For Class 55 Rating, Add	73.30	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	709.45	155.11
			For Class 52 Rating, Deduct	-52.19	
			For Class 54 Rating, Add	35.58	
			For Class 55 Rating, Add	79.09	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	747.13	157.04
			For Class 52 Rating, Deduct	-56.01	
			For Class 54 Rating, Add	38.19	
			For Class 55 Rating, Add	84.88	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	784.82	158.98
			For Class 52 Rating, Deduct	-59.83	
			For Class 54 Rating, Add	40.79	
			For Class 55 Rating, Add	90.67	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	822.49	160.93
			For Class 52 Rating, Deduct	-63.65	
			For Class 54 Rating, Add	43.40	
			For Class 55 Rating, Add	96.46	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	860.17	162.86
			For Class 52 Rating, Deduct	-67.48	
			For Class 54 Rating, Add	46.01	
			For Class 55 Rating, Add	102.26	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	897.85	164.80
			For Class 52 Rating, Deduct	-71.30	
			For Class 54 Rating, Add	48.61	
			For Class 55 Rating, Add	108.05	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	935.53	166.74
			For Class 52 Rating, Deduct	-75.12	
			For Class 54 Rating, Add	51.22	
			For Class 55 Rating, Add	113.84	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	973.20	168.69
			For Class 52 Rating, Deduct	-78.94	
			For Class 54 Rating, Add	53.82	
			For Class 55 Rating, Add	119.63	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,010.89	170.62
			For Class 52 Rating, Deduct	-82.76	
			For Class 54 Rating, Add	56.43	
			For Class 55 Rating, Add	125.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,048.57	172.56
			For Class 52 Rating, Deduct	-86.58	
			For Class 54 Rating, Add	59.03	
			For Class 55 Rating, Add	131.21	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,086.25	174.49
			For Class 52 Rating, Deduct	-90.40	
			For Class 54 Rating, Add	61.64	
			For Class 55 Rating, Add	137.00	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,123.92	176.44
			For Class 52 Rating, Deduct	-94.23	
			For Class 54 Rating, Add	64.25	
			For Class 55 Rating, Add	142.80	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,161.60	178.37
			For Class 52 Rating, Deduct	-98.05	
			For Class 54 Rating, Add	66.85	
			For Class 55 Rating, Add	148.59	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,199.28	180.31
			For Class 52 Rating, Deduct	-101.87	
			For Class 54 Rating, Add	69.46	
			For Class 55 Rating, Add	154.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,236.97	182.25
		<i>For Class 52 Rating, Deduct</i>	-105.69	
		<i>For Class 54 Rating, Add</i>	72.06	
		<i>For Class 55 Rating, Add</i>	160.17	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,274.64	184.18
		<i>For Class 52 Rating, Deduct</i>	-109.51	
		<i>For Class 54 Rating, Add</i>	74.67	
		<i>For Class 55 Rating, Add</i>	165.96	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.32	186.13
		<i>For Class 52 Rating, Deduct</i>	-113.33	
		<i>For Class 54 Rating, Add</i>	77.27	
		<i>For Class 55 Rating, Add</i>	171.75	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.00	188.07
		<i>For Class 52 Rating, Deduct</i>	-117.16	
		<i>For Class 54 Rating, Add</i>	79.88	
		<i>For Class 55 Rating, Add</i>	177.54	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,387.68	190.01
		<i>For Class 52 Rating, Deduct</i>	-120.98	
		<i>For Class 54 Rating, Add</i>	82.48	
		<i>For Class 55 Rating, Add</i>	183.33	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,425.37	191.94
		<i>For Class 52 Rating, Deduct</i>	-124.80	
		<i>For Class 54 Rating, Add</i>	85.09	
		<i>For Class 55 Rating, Add</i>	189.13	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.04	193.89
		<i>For Class 52 Rating, Deduct</i>	-128.62	
		<i>For Class 54 Rating, Add</i>	87.70	
		<i>For Class 55 Rating, Add</i>	194.92	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,500.73	195.83
		<i>For Class 52 Rating, Deduct</i>	-132.44	
		<i>For Class 54 Rating, Add</i>	90.30	
		<i>For Class 55 Rating, Add</i>	200.71	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.40	197.76
		<i>For Class 52 Rating, Deduct</i>	-136.26	
		<i>For Class 54 Rating, Add</i>	92.91	
		<i>For Class 55 Rating, Add</i>	206.50	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,576.08	199.69
		<i>For Class 52 Rating, Deduct</i>	-140.09	
		<i>For Class 54 Rating, Add</i>	95.51	
		<i>For Class 55 Rating, Add</i>	212.29	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,613.75	201.64
		<i>For Class 52 Rating, Deduct</i>	-143.91	
		<i>For Class 54 Rating, Add</i>	98.12	
		<i>For Class 55 Rating, Add</i>	218.08	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,651.45	203.58
		<i>For Class 52 Rating, Deduct</i>	-147.73	
		<i>For Class 54 Rating, Add</i>	100.72	
		<i>For Class 55 Rating, Add</i>	223.88	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.12	205.51
		<i>For Class 52 Rating, Deduct</i>	-151.55	
		<i>For Class 54 Rating, Add</i>	103.33	
		<i>For Class 55 Rating, Add</i>	229.67	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,726.80	207.45
		<i>For Class 52 Rating, Deduct</i>	-155.37	
		<i>For Class 54 Rating, Add</i>	105.94	
		<i>For Class 55 Rating, Add</i>	235.46	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,764.47	209.40
		<i>For Class 52 Rating, Deduct</i>	-159.19	
		<i>For Class 54 Rating, Add</i>	108.54	
		<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,802.16	211.33
		<i>For Class 52 Rating, Deduct</i>	-163.01	
		<i>For Class 54 Rating, Add</i>	111.15	
		<i>For Class 55 Rating, Add</i>	247.04	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,839.84	213.27
		<i>For Class 52 Rating, Deduct</i>	-166.84	
		<i>For Class 54 Rating, Add</i>	113.75	
		<i>For Class 55 Rating, Add</i>	252.83	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	555.79	178.37
			For Class 52 Rating, Deduct	-31.41	
			For Class 54 Rating, Add	21.41	
			For Class 55 Rating, Add	47.60	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.50	180.31
			For Class 52 Rating, Deduct	-36.66	
			For Class 54 Rating, Add	25.00	
			For Class 55 Rating, Add	55.56	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	657.21	182.25
			For Class 52 Rating, Deduct	-41.92	
			For Class 54 Rating, Add	28.58	
			For Class 55 Rating, Add	63.52	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	707.91	184.18
			For Class 52 Rating, Deduct	-47.17	
			For Class 54 Rating, Add	32.16	
			For Class 55 Rating, Add	71.49	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.62	186.13
			For Class 52 Rating, Deduct	-52.43	
			For Class 54 Rating, Add	35.75	
			For Class 55 Rating, Add	79.45	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	809.33	188.07
			For Class 52 Rating, Deduct	-57.68	
			For Class 54 Rating, Add	39.33	
			For Class 55 Rating, Add	87.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	860.04	190.01
			For Class 52 Rating, Deduct	-62.94	
			For Class 54 Rating, Add	42.91	
			For Class 55 Rating, Add	95.38	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	910.75	191.94
			For Class 52 Rating, Deduct	-68.19	
			For Class 54 Rating, Add	46.49	
			For Class 55 Rating, Add	103.34	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.45	193.89
			For Class 52 Rating, Deduct	-73.45	
			For Class 54 Rating, Add	50.08	
			For Class 55 Rating, Add	111.30	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,012.17	195.83
			For Class 52 Rating, Deduct	-78.70	
			For Class 54 Rating, Add	53.66	
			For Class 55 Rating, Add	119.27	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.87	197.76
			For Class 52 Rating, Deduct	-83.96	
			For Class 54 Rating, Add	57.24	
			For Class 55 Rating, Add	127.23	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,113.58	199.69
			For Class 52 Rating, Deduct	-89.21	
			For Class 54 Rating, Add	60.83	
			For Class 55 Rating, Add	135.19	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,164.28	201.64
			For Class 52 Rating, Deduct	-94.46	
			For Class 54 Rating, Add	64.41	
			For Class 55 Rating, Add	143.16	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,215.00	203.58
			For Class 52 Rating, Deduct	-99.72	
			For Class 54 Rating, Add	67.99	
			For Class 55 Rating, Add	151.12	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,265.70	205.51
			For Class 52 Rating, Deduct	-104.97	
			For Class 54 Rating, Add	71.57	
			For Class 55 Rating, Add	159.08	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,316.41	207.45
			For Class 52 Rating, Deduct	-110.23	
			For Class 54 Rating, Add	75.16	
			For Class 55 Rating, Add	167.05	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,367.11	209.40
			For Class 52 Rating, Deduct	-115.48	
			For Class 54 Rating, Add	78.74	
			For Class 55 Rating, Add	175.01	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,417.83	211.33
			For Class 52 Rating, Deduct	-120.74	
			For Class 54 Rating, Add	82.32	
			For Class 55 Rating, Add	182.97	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,468.53	213.27
			For Class 52 Rating, Deduct	-125.99	
			For Class 54 Rating, Add	85.90	
			For Class 55 Rating, Add	190.94	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,519.24	215.21
			For Class 52 Rating, Deduct	-131.25	
			For Class 54 Rating, Add	89.49	
			For Class 55 Rating, Add	198.90	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,569.94	217.16
			For Class 52 Rating, Deduct	-136.50	
			For Class 54 Rating, Add	93.07	
			For Class 55 Rating, Add	206.86	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.66	219.09
			For Class 52 Rating, Deduct	-141.76	
			For Class 54 Rating, Add	96.65	
			For Class 55 Rating, Add	214.83	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,671.36	221.03
			For Class 52 Rating, Deduct	-147.01	
			For Class 54 Rating, Add	100.24	
			For Class 55 Rating, Add	222.79	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.07	222.96
			For Class 52 Rating, Deduct	-152.27	
			For Class 54 Rating, Add	103.82	
			For Class 55 Rating, Add	230.75	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,772.77	224.91
			For Class 52 Rating, Deduct	-157.52	
			For Class 54 Rating, Add	107.40	
			For Class 55 Rating, Add	238.72	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,823.49	226.84
			For Class 52 Rating, Deduct	-162.78	
			For Class 54 Rating, Add	110.98	
			For Class 55 Rating, Add	246.68	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,874.19	228.78
			For Class 52 Rating, Deduct	-168.03	
			For Class 54 Rating, Add	114.57	
			For Class 55 Rating, Add	254.64	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,924.90	230.72
			For Class 52 Rating, Deduct	-173.29	
			For Class 54 Rating, Add	118.15	
			For Class 55 Rating, Add	262.61	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,975.60	232.66
			For Class 52 Rating, Deduct	-178.54	
			For Class 54 Rating, Add	121.73	
			For Class 55 Rating, Add	270.57	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,026.32	234.60
			For Class 52 Rating, Deduct	-183.79	
			For Class 54 Rating, Add	125.31	
			For Class 55 Rating, Add	278.53	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,077.02	236.54
			For Class 52 Rating, Deduct	-189.05	
			For Class 54 Rating, Add	128.90	
			For Class 55 Rating, Add	286.50	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,127.73	238.49
			For Class 52 Rating, Deduct	-194.30	
			For Class 54 Rating, Add	132.48	
			For Class 55 Rating, Add	294.46	
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.43	240.42
			For Class 52 Rating, Deduct	-199.56	
			For Class 54 Rating, Add	136.06	
			For Class 55 Rating, Add	302.42	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,229.15	242.36
			For Class 52 Rating, Deduct	-204.81	
			For Class 54 Rating, Add	139.65	
			For Class 55 Rating, Add	310.39	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.85	244.29
			For Class 52 Rating, Deduct	-210.07	
			For Class 54 Rating, Add	143.23	
			For Class 55 Rating, Add	318.35	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,330.56	246.23
			For Class 52 Rating, Deduct	-215.32	
			For Class 54 Rating, Add	146.81	
			For Class 55 Rating, Add	326.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.26	248.17
			For Class 52 Rating, Deduct	-220.58	
			For Class 54 Rating, Add	150.39	
			For Class 55 Rating, Add	334.28	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.98	250.11
			For Class 52 Rating, Deduct	-225.83	
			For Class 54 Rating, Add	153.98	
			For Class 55 Rating, Add	342.24	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,482.68	252.05
			For Class 52 Rating, Deduct	-231.09	
			For Class 54 Rating, Add	157.56	
			For Class 55 Rating, Add	350.20	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.06	217.16
			For Class 52 Rating, Deduct	-40.49	
			For Class 54 Rating, Add	27.60	
			For Class 55 Rating, Add	61.35	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.98	219.09
			For Class 52 Rating, Deduct	-47.41	
			For Class 54 Rating, Add	32.33	
			For Class 55 Rating, Add	71.85	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	828.87	221.03
			For Class 52 Rating, Deduct	-54.34	
			For Class 54 Rating, Add	37.05	
			For Class 55 Rating, Add	82.35	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	894.78	222.96
			For Class 52 Rating, Deduct	-61.26	
			For Class 54 Rating, Add	41.77	
			For Class 55 Rating, Add	92.84	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	960.68	224.91
			For Class 52 Rating, Deduct	-68.19	
			For Class 54 Rating, Add	46.49	
			For Class 55 Rating, Add	103.34	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.60	226.84
			For Class 52 Rating, Deduct	-75.12	
			For Class 54 Rating, Add	51.22	
			For Class 55 Rating, Add	113.84	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,092.50	228.78
			For Class 52 Rating, Deduct	-82.04	
			For Class 54 Rating, Add	55.94	
			For Class 55 Rating, Add	124.33	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.41	230.72
			For Class 52 Rating, Deduct	-88.97	
			For Class 54 Rating, Add	60.66	
			For Class 55 Rating, Add	134.83	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,224.31	232.66
			For Class 52 Rating, Deduct	-95.90	
			For Class 54 Rating, Add	65.39	
			For Class 55 Rating, Add	145.33	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.23	234.60
			For Class 52 Rating, Deduct	-102.82	
			For Class 54 Rating, Add	70.11	
			For Class 55 Rating, Add	155.83	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,356.13	236.54
			For Class 52 Rating, Deduct	-109.75	
			For Class 54 Rating, Add	74.83	
			For Class 55 Rating, Add	166.32	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.04	238.49
			For Class 52 Rating, Deduct	-116.68	
			For Class 54 Rating, Add	79.55	
			For Class 55 Rating, Add	176.82	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.94	240.42
			For Class 52 Rating, Deduct	-123.60	
			For Class 54 Rating, Add	84.28	
			For Class 55 Rating, Add	187.32	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,553.86	242.36
			For Class 52 Rating, Deduct	-130.53	
			For Class 54 Rating, Add	89.00	
			For Class 55 Rating, Add	197.81	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,619.76	244.29
		<i>For Class 52 Rating, Deduct</i>	-137.46	
		<i>For Class 54 Rating, Add</i>	93.72	
		<i>For Class 55 Rating, Add</i>	208.31	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.67	246.23
		<i>For Class 52 Rating, Deduct</i>	-144.38	
		<i>For Class 54 Rating, Add</i>	98.44	
		<i>For Class 55 Rating, Add</i>	218.81	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.57	248.17
		<i>For Class 52 Rating, Deduct</i>	-151.31	
		<i>For Class 54 Rating, Add</i>	103.17	
		<i>For Class 55 Rating, Add</i>	229.31	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.49	250.11
		<i>For Class 52 Rating, Deduct</i>	-158.24	
		<i>For Class 54 Rating, Add</i>	107.89	
		<i>For Class 55 Rating, Add</i>	239.80	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.39	252.05
		<i>For Class 52 Rating, Deduct</i>	-165.17	
		<i>For Class 54 Rating, Add</i>	112.61	
		<i>For Class 55 Rating, Add</i>	250.30	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,949.29	253.98
		<i>For Class 52 Rating, Deduct</i>	-172.09	
		<i>For Class 54 Rating, Add</i>	117.33	
		<i>For Class 55 Rating, Add</i>	260.80	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.20	255.93
		<i>For Class 52 Rating, Deduct</i>	-179.02	
		<i>For Class 54 Rating, Add</i>	122.06	
		<i>For Class 55 Rating, Add</i>	271.29	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.11	257.87
		<i>For Class 52 Rating, Deduct</i>	-185.94	
		<i>For Class 54 Rating, Add</i>	126.78	
		<i>For Class 55 Rating, Add</i>	281.79	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.01	259.80
		<i>For Class 52 Rating, Deduct</i>	-192.87	
		<i>For Class 54 Rating, Add</i>	131.50	
		<i>For Class 55 Rating, Add</i>	292.29	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.92	261.74
		<i>For Class 52 Rating, Deduct</i>	-199.80	
		<i>For Class 54 Rating, Add</i>	136.23	
		<i>For Class 55 Rating, Add</i>	302.78	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,278.83	263.69
		<i>For Class 52 Rating, Deduct</i>	-206.72	
		<i>For Class 54 Rating, Add</i>	140.95	
		<i>For Class 55 Rating, Add</i>	313.28	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,344.74	265.63
		<i>For Class 52 Rating, Deduct</i>	-213.65	
		<i>For Class 54 Rating, Add</i>	145.67	
		<i>For Class 55 Rating, Add</i>	323.78	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,410.64	267.56
		<i>For Class 52 Rating, Deduct</i>	-220.58	
		<i>For Class 54 Rating, Add</i>	150.39	
		<i>For Class 55 Rating, Add</i>	334.28	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,476.55	269.49
		<i>For Class 52 Rating, Deduct</i>	-227.50	
		<i>For Class 54 Rating, Add</i>	155.12	
		<i>For Class 55 Rating, Add</i>	344.77	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,542.46	271.44
		<i>For Class 52 Rating, Deduct</i>	-234.43	
		<i>For Class 54 Rating, Add</i>	159.84	
		<i>For Class 55 Rating, Add</i>	355.27	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,608.37	273.38
		<i>For Class 52 Rating, Deduct</i>	-241.36	
		<i>For Class 54 Rating, Add</i>	164.56	
		<i>For Class 55 Rating, Add</i>	365.77	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.27	275.31
		<i>For Class 52 Rating, Deduct</i>	-248.28	
		<i>For Class 54 Rating, Add</i>	169.28	
		<i>For Class 55 Rating, Add</i>	376.26	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,740.18	277.25
		<i>For Class 52 Rating, Deduct</i>	-255.21	
		<i>For Class 54 Rating, Add</i>	174.01	
		<i>For Class 55 Rating, Add</i>	386.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.09	279.20
			<i>For Class 52 Rating, Deduct</i>	-262.14	
			<i>For Class 54 Rating, Add</i>	178.73	
			<i>For Class 55 Rating, Add</i>	397.26	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,872.00	281.13
			<i>For Class 52 Rating, Deduct</i>	-269.06	
			<i>For Class 54 Rating, Add</i>	183.45	
			<i>For Class 55 Rating, Add</i>	407.75	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.90	283.07
			<i>For Class 52 Rating, Deduct</i>	-275.99	
			<i>For Class 54 Rating, Add</i>	188.18	
			<i>For Class 55 Rating, Add</i>	418.25	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.81	285.01
			<i>For Class 52 Rating, Deduct</i>	-282.92	
			<i>For Class 54 Rating, Add</i>	192.90	
			<i>For Class 55 Rating, Add</i>	428.75	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,069.73	286.96
			<i>For Class 52 Rating, Deduct</i>	-289.84	
			<i>For Class 54 Rating, Add</i>	197.62	
			<i>For Class 55 Rating, Add</i>	439.25	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,135.62	288.89
			<i>For Class 52 Rating, Deduct</i>	-296.77	
			<i>For Class 54 Rating, Add</i>	202.34	
			<i>For Class 55 Rating, Add</i>	449.74	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,201.53	290.83
			<i>For Class 52 Rating, Deduct</i>	-303.70	
			<i>For Class 54 Rating, Add</i>	207.07	
			<i>For Class 55 Rating, Add</i>	460.24	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	902.00	271.44
			<i>For Class 52 Rating, Deduct</i>	-53.98	
			<i>For Class 54 Rating, Add</i>	36.80	
			<i>For Class 55 Rating, Add</i>	81.80	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.19	273.38
			<i>For Class 52 Rating, Deduct</i>	-62.70	
			<i>For Class 54 Rating, Add</i>	42.75	
			<i>For Class 55 Rating, Add</i>	95.02	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,066.38	275.31
			<i>For Class 52 Rating, Deduct</i>	-71.42	
			<i>For Class 54 Rating, Add</i>	48.69	
			<i>For Class 55 Rating, Add</i>	108.23	
40 05 19 00-1193	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.57	277.25
			<i>For Class 52 Rating, Deduct</i>	-80.13	
			<i>For Class 54 Rating, Add</i>	54.64	
			<i>For Class 55 Rating, Add</i>	121.44	
40 05 19 00-1194	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.77	279.20
			<i>For Class 52 Rating, Deduct</i>	-88.85	
			<i>For Class 54 Rating, Add</i>	60.58	
			<i>For Class 55 Rating, Add</i>	134.65	
40 05 19 00-1195	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,312.96	281.13
			<i>For Class 52 Rating, Deduct</i>	-97.57	
			<i>For Class 54 Rating, Add</i>	66.53	
			<i>For Class 55 Rating, Add</i>	147.86	
40 05 19 00-1196	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.15	283.07
			<i>For Class 52 Rating, Deduct</i>	-106.29	
			<i>For Class 54 Rating, Add</i>	72.47	
			<i>For Class 55 Rating, Add</i>	161.08	
40 05 19 00-1197	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.34	285.01
			<i>For Class 52 Rating, Deduct</i>	-115.01	
			<i>For Class 54 Rating, Add</i>	78.41	
			<i>For Class 55 Rating, Add</i>	174.29	
40 05 19 00-1198	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.54	286.96
			<i>For Class 52 Rating, Deduct</i>	-123.72	
			<i>For Class 54 Rating, Add</i>	84.36	
			<i>For Class 55 Rating, Add</i>	187.50	
40 05 19 00-1199	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,641.73	288.89
			<i>For Class 52 Rating, Deduct</i>	-132.44	
			<i>For Class 54 Rating, Add</i>	90.30	
			<i>For Class 55 Rating, Add</i>	200.71	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1200	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,723.92	290.83
			For Class 52 Rating, Deduct	-141.16	
			For Class 54 Rating, Add	96.25	
			For Class 55 Rating, Add	213.92	
40 05 19 00-1201	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,806.11	292.76
			For Class 52 Rating, Deduct	-149.88	
			For Class 54 Rating, Add	102.19	
			For Class 55 Rating, Add	227.13	
40 05 19 00-1202	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,888.31	294.70
			For Class 52 Rating, Deduct	-158.60	
			For Class 54 Rating, Add	108.13	
			For Class 55 Rating, Add	240.34	
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.50	296.64
			For Class 52 Rating, Deduct	-167.31	
			For Class 54 Rating, Add	114.08	
			For Class 55 Rating, Add	253.56	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,052.69	298.58
			For Class 52 Rating, Deduct	-176.03	
			For Class 54 Rating, Add	120.02	
			For Class 55 Rating, Add	266.77	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,134.88	300.52
			For Class 52 Rating, Deduct	-184.75	
			For Class 54 Rating, Add	125.97	
			For Class 55 Rating, Add	279.98	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,217.08	302.46
			For Class 52 Rating, Deduct	-193.47	
			For Class 54 Rating, Add	131.91	
			For Class 55 Rating, Add	293.19	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.27	304.40
			For Class 52 Rating, Deduct	-202.19	
			For Class 54 Rating, Add	137.85	
			For Class 55 Rating, Add	306.40	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,381.46	306.34
			For Class 52 Rating, Deduct	-210.90	
			For Class 54 Rating, Add	143.80	
			For Class 55 Rating, Add	319.62	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,463.65	308.27
			For Class 52 Rating, Deduct	-219.62	
			For Class 54 Rating, Add	149.74	
			For Class 55 Rating, Add	332.83	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.85	310.22
			For Class 52 Rating, Deduct	-228.34	
			For Class 54 Rating, Add	155.69	
			For Class 55 Rating, Add	346.04	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,628.03	312.16
			For Class 52 Rating, Deduct	-237.06	
			For Class 54 Rating, Add	161.63	
			For Class 55 Rating, Add	359.25	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.23	314.09
			For Class 52 Rating, Deduct	-245.78	
			For Class 54 Rating, Add	167.57	
			For Class 55 Rating, Add	372.46	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.41	316.03
			For Class 52 Rating, Deduct	-254.49	
			For Class 54 Rating, Add	173.52	
			For Class 55 Rating, Add	385.67	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.62	317.97
			For Class 52 Rating, Deduct	-263.21	
			For Class 54 Rating, Add	179.46	
			For Class 55 Rating, Add	398.89	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.80	319.91
			For Class 52 Rating, Deduct	-271.93	
			For Class 54 Rating, Add	185.41	
			For Class 55 Rating, Add	412.10	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,039.00	321.85
			For Class 52 Rating, Deduct	-280.65	
			For Class 54 Rating, Add	191.35	
			For Class 55 Rating, Add	425.31	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.18	323.78
			For Class 52 Rating, Deduct	-289.37	
			For Class 54 Rating, Add	197.30	
			For Class 55 Rating, Add	438.52	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,203.39	325.73
		<i>For Class 52 Rating, Deduct</i>	-298.08	
		<i>For Class 54 Rating, Add</i>	203.24	
		<i>For Class 55 Rating, Add</i>	451.73	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.57	327.67
		<i>For Class 52 Rating, Deduct</i>	-306.80	
		<i>For Class 54 Rating, Add</i>	209.18	
		<i>For Class 55 Rating, Add</i>	464.94	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,367.77	329.60
		<i>For Class 52 Rating, Deduct</i>	-315.52	
		<i>For Class 54 Rating, Add</i>	215.13	
		<i>For Class 55 Rating, Add</i>	478.16	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,449.95	331.54
		<i>For Class 52 Rating, Deduct</i>	-324.24	
		<i>For Class 54 Rating, Add</i>	221.07	
		<i>For Class 55 Rating, Add</i>	491.37	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,532.16	333.49
		<i>For Class 52 Rating, Deduct</i>	-332.96	
		<i>For Class 54 Rating, Add</i>	227.02	
		<i>For Class 55 Rating, Add</i>	504.58	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,614.34	335.42
		<i>For Class 52 Rating, Deduct</i>	-341.67	
		<i>For Class 54 Rating, Add</i>	232.96	
		<i>For Class 55 Rating, Add</i>	517.79	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.54	337.36
		<i>For Class 52 Rating, Deduct</i>	-350.39	
		<i>For Class 54 Rating, Add</i>	238.90	
		<i>For Class 55 Rating, Add</i>	531.00	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.72	339.29
		<i>For Class 52 Rating, Deduct</i>	-359.11	
		<i>For Class 54 Rating, Add</i>	244.85	
		<i>For Class 55 Rating, Add</i>	544.22	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,860.92	341.24
		<i>For Class 52 Rating, Deduct</i>	-367.83	
		<i>For Class 54 Rating, Add</i>	250.79	
		<i>For Class 55 Rating, Add</i>	557.43	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,943.11	343.17
		<i>For Class 52 Rating, Deduct</i>	-376.55	
		<i>For Class 54 Rating, Add</i>	256.74	
		<i>For Class 55 Rating, Add</i>	570.64	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,025.30	345.11
		<i>For Class 52 Rating, Deduct</i>	-385.26	
		<i>For Class 54 Rating, Add</i>	262.68	
		<i>For Class 55 Rating, Add</i>	583.85	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.79	325.73
		<i>For Class 52 Rating, Deduct</i>	-77.03	
		<i>For Class 54 Rating, Add</i>	52.52	
		<i>For Class 55 Rating, Add</i>	116.73	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,293.35	327.67
		<i>For Class 52 Rating, Deduct</i>	-87.66	
		<i>For Class 54 Rating, Add</i>	59.77	
		<i>For Class 55 Rating, Add</i>	132.84	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.91	329.60
		<i>For Class 52 Rating, Deduct</i>	-98.29	
		<i>For Class 54 Rating, Add</i>	67.01	
		<i>For Class 55 Rating, Add</i>	148.95	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,492.47	331.54
		<i>For Class 52 Rating, Deduct</i>	-108.92	
		<i>For Class 54 Rating, Add</i>	74.26	
		<i>For Class 55 Rating, Add</i>	165.06	
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,592.05	333.49
		<i>For Class 52 Rating, Deduct</i>	-119.54	
		<i>For Class 54 Rating, Add</i>	81.51	
		<i>For Class 55 Rating, Add</i>	181.16	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,691.60	335.42
		<i>For Class 52 Rating, Deduct</i>	-130.17	
		<i>For Class 54 Rating, Add</i>	88.75	
		<i>For Class 55 Rating, Add</i>	197.27	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,791.17	337.36
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.72	339.29
			For Class 52 Rating, Deduct	-151.43	
			For Class 54 Rating, Add	103.25	
			For Class 55 Rating, Add	229.49	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,990.30	341.24
			For Class 52 Rating, Deduct	-162.06	
			For Class 54 Rating, Add	110.50	
			For Class 55 Rating, Add	245.59	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.85	343.17
			For Class 52 Rating, Deduct	-172.69	
			For Class 54 Rating, Add	117.74	
			For Class 55 Rating, Add	261.70	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,189.42	345.11
			For Class 52 Rating, Deduct	-183.32	
			For Class 54 Rating, Add	124.99	
			For Class 55 Rating, Add	277.81	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.97	347.05
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.92	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,388.55	349.00
			For Class 52 Rating, Deduct	-204.57	
			For Class 54 Rating, Add	139.48	
			For Class 55 Rating, Add	310.02	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,488.11	350.93
			For Class 52 Rating, Deduct	-215.20	
			For Class 54 Rating, Add	146.73	
			For Class 55 Rating, Add	326.13	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.67	352.87
			For Class 52 Rating, Deduct	-225.83	
			For Class 54 Rating, Add	153.98	
			For Class 55 Rating, Add	342.24	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,687.23	354.81
			For Class 52 Rating, Deduct	-236.46	
			For Class 54 Rating, Add	161.22	
			For Class 55 Rating, Add	358.35	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.80	356.75
			For Class 52 Rating, Deduct	-247.09	
			For Class 54 Rating, Add	168.47	
			For Class 55 Rating, Add	374.45	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.36	358.69
			For Class 52 Rating, Deduct	-257.72	
			For Class 54 Rating, Add	175.72	
			For Class 55 Rating, Add	390.56	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,985.92	360.62
			For Class 52 Rating, Deduct	-268.35	
			For Class 54 Rating, Add	182.96	
			For Class 55 Rating, Add	406.67	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.48	362.56
			For Class 52 Rating, Deduct	-278.98	
			For Class 54 Rating, Add	190.21	
			For Class 55 Rating, Add	422.78	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,185.05	364.49
			For Class 52 Rating, Deduct	-289.60	
			For Class 54 Rating, Add	197.46	
			For Class 55 Rating, Add	438.88	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.61	366.44
			For Class 52 Rating, Deduct	-300.23	
			For Class 54 Rating, Add	204.71	
			For Class 55 Rating, Add	454.99	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,384.17	368.38
			For Class 52 Rating, Deduct	-310.86	
			For Class 54 Rating, Add	211.95	
			For Class 55 Rating, Add	471.10	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,483.73	370.32
			For Class 52 Rating, Deduct	-321.49	
			For Class 54 Rating, Add	219.20	
			For Class 55 Rating, Add	487.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,583.31	372.26
			<i>For Class 52 Rating, Deduct</i>	-332.12	
			<i>For Class 54 Rating, Add</i>	226.45	
			<i>For Class 55 Rating, Add</i>	503.31	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,682.86	374.20
			<i>For Class 52 Rating, Deduct</i>	-342.75	
			<i>For Class 54 Rating, Add</i>	233.69	
			<i>For Class 55 Rating, Add</i>	519.42	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,782.43	376.14
			<i>For Class 52 Rating, Deduct</i>	-353.38	
			<i>For Class 54 Rating, Add</i>	240.94	
			<i>For Class 55 Rating, Add</i>	535.53	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,881.99	378.07
			<i>For Class 52 Rating, Deduct</i>	-364.01	
			<i>For Class 54 Rating, Add</i>	248.19	
			<i>For Class 55 Rating, Add</i>	551.64	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,981.56	380.02
			<i>For Class 52 Rating, Deduct</i>	-374.64	
			<i>For Class 54 Rating, Add</i>	255.43	
			<i>For Class 55 Rating, Add</i>	567.74	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,081.12	381.96
			<i>For Class 52 Rating, Deduct</i>	-385.26	
			<i>For Class 54 Rating, Add</i>	262.68	
			<i>For Class 55 Rating, Add</i>	583.85	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,180.68	383.89
			<i>For Class 52 Rating, Deduct</i>	-395.89	
			<i>For Class 54 Rating, Add</i>	269.93	
			<i>For Class 55 Rating, Add</i>	599.96	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.25	385.82
			<i>For Class 52 Rating, Deduct</i>	-406.52	
			<i>For Class 54 Rating, Add</i>	277.17	
			<i>For Class 55 Rating, Add</i>	616.06	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,379.81	387.77
			<i>For Class 52 Rating, Deduct</i>	-417.15	
			<i>For Class 54 Rating, Add</i>	284.42	
			<i>For Class 55 Rating, Add</i>	632.17	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,479.38	389.71
			<i>For Class 52 Rating, Deduct</i>	-427.78	
			<i>For Class 54 Rating, Add</i>	291.67	
			<i>For Class 55 Rating, Add</i>	648.28	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,578.93	391.64
			<i>For Class 52 Rating, Deduct</i>	-438.41	
			<i>For Class 54 Rating, Add</i>	298.91	
			<i>For Class 55 Rating, Add</i>	664.39	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,678.51	393.58
			<i>For Class 52 Rating, Deduct</i>	-449.04	
			<i>For Class 54 Rating, Add</i>	306.16	
			<i>For Class 55 Rating, Add</i>	680.50	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,778.06	395.53
			<i>For Class 52 Rating, Deduct</i>	-459.67	
			<i>For Class 54 Rating, Add</i>	313.41	
			<i>For Class 55 Rating, Add</i>	696.60	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,877.63	397.47
			<i>For Class 52 Rating, Deduct</i>	-470.30	
			<i>For Class 54 Rating, Add</i>	320.66	
			<i>For Class 55 Rating, Add</i>	712.71	
40 05 19 00-1268			16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.40	372.26
			<i>For Class 52 Rating, Deduct</i>	-91.12	
			<i>For Class 54 Rating, Add</i>	62.13	
			<i>For Class 55 Rating, Add</i>	138.09	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.24	374.20
			<i>For Class 52 Rating, Deduct</i>	-103.54	
			<i>For Class 54 Rating, Add</i>	70.60	
			<i>For Class 55 Rating, Add</i>	156.91	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,624.10	376.14
			<i>For Class 52 Rating, Deduct</i>	-115.96	
			<i>For Class 54 Rating, Add</i>	79.07	
			<i>For Class 55 Rating, Add</i>	175.74	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.95	378.07
			For Class 52 Rating, Deduct	-128.38	
			For Class 54 Rating, Add	87.53	
			For Class 55 Rating, Add	194.56	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,855.80	380.02
			For Class 52 Rating, Deduct	-140.80	
			For Class 54 Rating, Add	96.00	
			For Class 55 Rating, Add	213.38	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.65	381.96
			For Class 52 Rating, Deduct	-153.22	
			For Class 54 Rating, Add	104.47	
			For Class 55 Rating, Add	232.20	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,087.49	383.89
			For Class 52 Rating, Deduct	-165.64	
			For Class 54 Rating, Add	112.94	
			For Class 55 Rating, Add	251.02	
40 05 19 00-1276	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,203.35	385.82
			For Class 52 Rating, Deduct	-178.06	
			For Class 54 Rating, Add	121.41	
			For Class 55 Rating, Add	269.85	
40 05 19 00-1277	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,319.19	387.77
			For Class 52 Rating, Deduct	-190.48	
			For Class 54 Rating, Add	129.87	
			For Class 55 Rating, Add	288.67	
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,435.04	389.71
			For Class 52 Rating, Deduct	-202.90	
			For Class 54 Rating, Add	138.34	
			For Class 55 Rating, Add	307.49	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,550.88	391.64
			For Class 52 Rating, Deduct	-215.32	
			For Class 54 Rating, Add	146.81	
			For Class 55 Rating, Add	326.31	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,666.74	393.58
			For Class 52 Rating, Deduct	-227.74	
			For Class 54 Rating, Add	155.28	
			For Class 55 Rating, Add	345.13	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,782.58	395.53
			For Class 52 Rating, Deduct	-240.16	
			For Class 54 Rating, Add	163.75	
			For Class 55 Rating, Add	363.96	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.43	397.47
			For Class 52 Rating, Deduct	-252.58	
			For Class 54 Rating, Add	172.22	
			For Class 55 Rating, Add	382.78	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,014.27	399.40
			For Class 52 Rating, Deduct	-265.00	
			For Class 54 Rating, Add	180.68	
			For Class 55 Rating, Add	401.60	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,130.13	401.34
			For Class 52 Rating, Deduct	-277.42	
			For Class 54 Rating, Add	189.15	
			For Class 55 Rating, Add	420.42	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,245.98	403.29
			For Class 52 Rating, Deduct	-289.84	
			For Class 54 Rating, Add	197.62	
			For Class 55 Rating, Add	439.25	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,361.83	405.22
			For Class 52 Rating, Deduct	-302.26	
			For Class 54 Rating, Add	206.09	
			For Class 55 Rating, Add	458.07	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,477.67	407.16
			For Class 52 Rating, Deduct	-314.68	
			For Class 54 Rating, Add	214.56	
			For Class 55 Rating, Add	476.89	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,593.53	409.09
			For Class 52 Rating, Deduct	-327.10	
			For Class 54 Rating, Add	223.03	
			For Class 55 Rating, Add	495.71	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,709.37	411.04
			For Class 52 Rating, Deduct	-339.52	
			For Class 54 Rating, Add	231.49	
			For Class 55 Rating, Add	514.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,825.22	412.97
			<i>For Class 52 Rating, Deduct</i>	-351.95	
			<i>For Class 54 Rating, Add</i>	239.96	
			<i>For Class 55 Rating, Add</i>	533.36	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,941.06	414.91
			<i>For Class 52 Rating, Deduct</i>	-364.37	
			<i>For Class 54 Rating, Add</i>	248.43	
			<i>For Class 55 Rating, Add</i>	552.18	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,056.92	416.85
			<i>For Class 52 Rating, Deduct</i>	-376.79	
			<i>For Class 54 Rating, Add</i>	256.90	
			<i>For Class 55 Rating, Add</i>	571.00	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,172.76	418.80
			<i>For Class 52 Rating, Deduct</i>	-389.21	
			<i>For Class 54 Rating, Add</i>	265.37	
			<i>For Class 55 Rating, Add</i>	589.82	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,288.61	420.73
			<i>For Class 52 Rating, Deduct</i>	-401.63	
			<i>For Class 54 Rating, Add</i>	273.84	
			<i>For Class 55 Rating, Add</i>	608.65	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,404.45	422.67
			<i>For Class 52 Rating, Deduct</i>	-414.05	
			<i>For Class 54 Rating, Add</i>	282.30	
			<i>For Class 55 Rating, Add</i>	627.47	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,520.31	424.61
			<i>For Class 52 Rating, Deduct</i>	-426.47	
			<i>For Class 54 Rating, Add</i>	290.77	
			<i>For Class 55 Rating, Add</i>	646.29	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,636.15	426.54
			<i>For Class 52 Rating, Deduct</i>	-438.89	
			<i>For Class 54 Rating, Add</i>	299.24	
			<i>For Class 55 Rating, Add</i>	665.11	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,752.00	428.49
			<i>For Class 52 Rating, Deduct</i>	-451.31	
			<i>For Class 54 Rating, Add</i>	307.71	
			<i>For Class 55 Rating, Add</i>	683.93	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,867.85	430.42
			<i>For Class 52 Rating, Deduct</i>	-463.73	
			<i>For Class 54 Rating, Add</i>	316.18	
			<i>For Class 55 Rating, Add</i>	702.76	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,983.71	432.36
			<i>For Class 52 Rating, Deduct</i>	-476.15	
			<i>For Class 54 Rating, Add</i>	324.65	
			<i>For Class 55 Rating, Add</i>	721.58	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,099.55	434.29
			<i>For Class 52 Rating, Deduct</i>	-488.57	
			<i>For Class 54 Rating, Add</i>	333.11	
			<i>For Class 55 Rating, Add</i>	740.40	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.40	436.24
			<i>For Class 52 Rating, Deduct</i>	-500.99	
			<i>For Class 54 Rating, Add</i>	341.58	
			<i>For Class 55 Rating, Add</i>	759.22	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,331.24	438.18
			<i>For Class 52 Rating, Deduct</i>	-513.41	
			<i>For Class 54 Rating, Add</i>	350.05	
			<i>For Class 55 Rating, Add</i>	778.05	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.10	440.11
			<i>For Class 52 Rating, Deduct</i>	-525.83	
			<i>For Class 54 Rating, Add</i>	358.52	
			<i>For Class 55 Rating, Add</i>	796.87	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,562.94	442.05
			<i>For Class 52 Rating, Deduct</i>	-538.25	
			<i>For Class 54 Rating, Add</i>	366.99	
			<i>For Class 55 Rating, Add</i>	815.69	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,678.79	444.00
			<i>For Class 52 Rating, Deduct</i>	-550.67	
			<i>For Class 54 Rating, Add</i>	375.46	
			<i>For Class 55 Rating, Add</i>	834.51	
40 05 19 00-1307			18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,607.39	419.57
		For Class 52 Rating, Deduct	-106.88	
		For Class 54 Rating, Add	72.88	
		For Class 55 Rating, Add	161.98	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.61	421.51
		For Class 52 Rating, Deduct	-121.22	
		For Class 54 Rating, Add	82.65	
		For Class 55 Rating, Add	183.70	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.84	423.44
		For Class 52 Rating, Deduct	-135.55	
		For Class 54 Rating, Add	92.42	
		For Class 55 Rating, Add	205.42	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.05	425.38
		For Class 52 Rating, Deduct	-149.88	
		For Class 54 Rating, Add	102.19	
		For Class 55 Rating, Add	227.13	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.27	427.33
		For Class 52 Rating, Deduct	-164.21	
		For Class 54 Rating, Add	111.96	
		For Class 55 Rating, Add	248.85	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,273.48	429.26
		For Class 52 Rating, Deduct	-178.54	
		For Class 54 Rating, Add	121.73	
		For Class 55 Rating, Add	270.57	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.71	431.20
		For Class 52 Rating, Deduct	-192.87	
		For Class 54 Rating, Add	131.50	
		For Class 55 Rating, Add	292.29	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.92	433.14
		For Class 52 Rating, Deduct	-207.20	
		For Class 54 Rating, Add	141.27	
		For Class 55 Rating, Add	314.00	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,673.15	435.08
		For Class 52 Rating, Deduct	-221.53	
		For Class 54 Rating, Add	151.05	
		For Class 55 Rating, Add	335.72	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,806.36	437.01
		For Class 52 Rating, Deduct	-235.86	
		For Class 54 Rating, Add	160.82	
		For Class 55 Rating, Add	357.44	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.59	438.95
		For Class 52 Rating, Deduct	-250.20	
		For Class 54 Rating, Add	170.59	
		For Class 55 Rating, Add	379.16	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,072.80	440.89
		For Class 52 Rating, Deduct	-264.53	
		For Class 54 Rating, Add	180.36	
		For Class 55 Rating, Add	400.88	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.02	442.82
		For Class 52 Rating, Deduct	-278.86	
		For Class 54 Rating, Add	190.13	
		For Class 55 Rating, Add	422.59	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.23	444.77
		For Class 52 Rating, Deduct	-293.19	
		For Class 54 Rating, Add	199.90	
		For Class 55 Rating, Add	444.31	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.47	446.71
		For Class 52 Rating, Deduct	-307.52	
		For Class 54 Rating, Add	209.67	
		For Class 55 Rating, Add	466.03	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,605.68	448.65
		For Class 52 Rating, Deduct	-321.85	
		For Class 54 Rating, Add	219.44	
		For Class 55 Rating, Add	487.75	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.90	450.59
		For Class 52 Rating, Deduct	-336.18	
		For Class 54 Rating, Add	229.21	
		For Class 55 Rating, Add	509.47	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,872.11	452.53
		For Class 52 Rating, Deduct	-350.51	
		For Class 54 Rating, Add	238.99	
		For Class 55 Rating, Add	531.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,005.34	454.47
			<i>For Class 52 Rating, Deduct</i>	-364.84	
			<i>For Class 54 Rating, Add</i>	248.76	
			<i>For Class 55 Rating, Add</i>	552.90	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,138.55	456.40
			<i>For Class 52 Rating, Deduct</i>	-379.17	
			<i>For Class 54 Rating, Add</i>	258.53	
			<i>For Class 55 Rating, Add</i>	574.62	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,271.78	458.34
			<i>For Class 52 Rating, Deduct</i>	-393.51	
			<i>For Class 54 Rating, Add</i>	268.30	
			<i>For Class 55 Rating, Add</i>	596.34	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,405.00	460.28
			<i>For Class 52 Rating, Deduct</i>	-407.84	
			<i>For Class 54 Rating, Add</i>	278.07	
			<i>For Class 55 Rating, Add</i>	618.06	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,538.22	462.22
			<i>For Class 52 Rating, Deduct</i>	-422.17	
			<i>For Class 54 Rating, Add</i>	287.84	
			<i>For Class 55 Rating, Add</i>	639.77	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,671.43	464.15
			<i>For Class 52 Rating, Deduct</i>	-436.50	
			<i>For Class 54 Rating, Add</i>	297.61	
			<i>For Class 55 Rating, Add</i>	661.49	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,804.65	466.10
			<i>For Class 52 Rating, Deduct</i>	-450.83	
			<i>For Class 54 Rating, Add</i>	307.38	
			<i>For Class 55 Rating, Add</i>	683.21	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,937.87	468.04
			<i>For Class 52 Rating, Deduct</i>	-465.16	
			<i>For Class 54 Rating, Add</i>	317.15	
			<i>For Class 55 Rating, Add</i>	704.93	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,071.10	469.98
			<i>For Class 52 Rating, Deduct</i>	-479.49	
			<i>For Class 54 Rating, Add</i>	326.93	
			<i>For Class 55 Rating, Add</i>	726.65	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,204.31	471.91
			<i>For Class 52 Rating, Deduct</i>	-493.82	
			<i>For Class 54 Rating, Add</i>	336.70	
			<i>For Class 55 Rating, Add</i>	748.36	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,337.53	473.86
			<i>For Class 52 Rating, Deduct</i>	-508.15	
			<i>For Class 54 Rating, Add</i>	346.47	
			<i>For Class 55 Rating, Add</i>	770.08	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,470.75	475.80
			<i>For Class 52 Rating, Deduct</i>	-522.48	
			<i>For Class 54 Rating, Add</i>	356.24	
			<i>For Class 55 Rating, Add</i>	791.80	
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,603.97	477.73
			<i>For Class 52 Rating, Deduct</i>	-536.81	
			<i>For Class 54 Rating, Add</i>	366.01	
			<i>For Class 55 Rating, Add</i>	813.52	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,737.18	479.67
			<i>For Class 52 Rating, Deduct</i>	-551.15	
			<i>For Class 54 Rating, Add</i>	375.78	
			<i>For Class 55 Rating, Add</i>	835.24	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,870.40	481.61
			<i>For Class 52 Rating, Deduct</i>	-565.48	
			<i>For Class 54 Rating, Add</i>	385.55	
			<i>For Class 55 Rating, Add</i>	856.95	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,003.63	483.55
			<i>For Class 52 Rating, Deduct</i>	-579.81	
			<i>For Class 54 Rating, Add</i>	395.32	
			<i>For Class 55 Rating, Add</i>	878.67	
40 05 19 00-1342	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,136.85	485.48
			<i>For Class 52 Rating, Deduct</i>	-594.14	
			<i>For Class 54 Rating, Add</i>	405.09	
			<i>For Class 55 Rating, Add</i>	900.39	
40 05 19 00-1343	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,270.06	487.42
			<i>For Class 52 Rating, Deduct</i>	-608.47	
			<i>For Class 54 Rating, Add</i>	414.87	
			<i>For Class 55 Rating, Add</i>	922.11	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,403.28	489.37
		<i>For Class 52 Rating, Deduct</i>	-622.80	
		<i>For Class 54 Rating, Add</i>	424.64	
		<i>For Class 55 Rating, Add</i>	943.83	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,536.50	491.30
		<i>For Class 52 Rating, Deduct</i>	-637.13	
		<i>For Class 54 Rating, Add</i>	434.41	
		<i>For Class 55 Rating, Add</i>	965.54	
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.91	478.89
		<i>For Class 52 Rating, Deduct</i>	-125.87	
		<i>For Class 54 Rating, Add</i>	85.82	
		<i>For Class 55 Rating, Add</i>	190.76	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,022.67	480.83
		<i>For Class 52 Rating, Deduct</i>	-142.35	
		<i>For Class 54 Rating, Add</i>	97.06	
		<i>For Class 55 Rating, Add</i>	215.73	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,175.42	482.77
		<i>For Class 52 Rating, Deduct</i>	-158.83	
		<i>For Class 54 Rating, Add</i>	108.30	
		<i>For Class 55 Rating, Add</i>	240.71	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,328.19	484.71
		<i>For Class 52 Rating, Deduct</i>	-175.32	
		<i>For Class 54 Rating, Add</i>	119.53	
		<i>For Class 55 Rating, Add</i>	265.68	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.95	486.65
		<i>For Class 52 Rating, Deduct</i>	-191.80	
		<i>For Class 54 Rating, Add</i>	130.77	
		<i>For Class 55 Rating, Add</i>	290.66	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,633.72	488.58
		<i>For Class 52 Rating, Deduct</i>	-208.28	
		<i>For Class 54 Rating, Add</i>	142.01	
		<i>For Class 55 Rating, Add</i>	315.63	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,786.47	490.53
		<i>For Class 52 Rating, Deduct</i>	-224.76	
		<i>For Class 54 Rating, Add</i>	153.24	
		<i>For Class 55 Rating, Add</i>	340.61	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.23	492.47
		<i>For Class 52 Rating, Deduct</i>	-241.24	
		<i>For Class 54 Rating, Add</i>	164.48	
		<i>For Class 55 Rating, Add</i>	365.58	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.00	494.41
		<i>For Class 52 Rating, Deduct</i>	-257.72	
		<i>For Class 54 Rating, Add</i>	175.72	
		<i>For Class 55 Rating, Add</i>	390.56	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.76	496.34
		<i>For Class 52 Rating, Deduct</i>	-274.20	
		<i>For Class 54 Rating, Add</i>	186.95	
		<i>For Class 55 Rating, Add</i>	415.54	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,397.52	498.29
		<i>For Class 52 Rating, Deduct</i>	-290.68	
		<i>For Class 54 Rating, Add</i>	198.19	
		<i>For Class 55 Rating, Add</i>	440.51	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.29	500.22
		<i>For Class 52 Rating, Deduct</i>	-307.16	
		<i>For Class 54 Rating, Add</i>	209.43	
		<i>For Class 55 Rating, Add</i>	465.49	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.04	502.16
		<i>For Class 52 Rating, Deduct</i>	-323.64	
		<i>For Class 54 Rating, Add</i>	220.66	
		<i>For Class 55 Rating, Add</i>	490.46	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,855.81	504.09
		<i>For Class 52 Rating, Deduct</i>	-340.12	
		<i>For Class 54 Rating, Add</i>	231.90	
		<i>For Class 55 Rating, Add</i>	515.44	
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,008.56	506.04
		<i>For Class 52 Rating, Deduct</i>	-356.60	
		<i>For Class 54 Rating, Add</i>	243.14	
		<i>For Class 55 Rating, Add</i>	540.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.33	507.98
			For Class 52 Rating, Deduct	-373.08	
			For Class 54 Rating, Add	254.37	
			For Class 55 Rating, Add	565.39	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,314.09	509.91
			For Class 52 Rating, Deduct	-389.56	
			For Class 54 Rating, Add	265.61	
			For Class 55 Rating, Add	590.37	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.85	511.85
			For Class 52 Rating, Deduct	-406.04	
			For Class 54 Rating, Add	276.85	
			For Class 55 Rating, Add	615.34	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,619.61	513.80
			For Class 52 Rating, Deduct	-422.53	
			For Class 54 Rating, Add	288.09	
			For Class 55 Rating, Add	640.32	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,772.38	515.74
			For Class 52 Rating, Deduct	-439.01	
			For Class 54 Rating, Add	299.32	
			For Class 55 Rating, Add	665.29	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,925.13	517.67
			For Class 52 Rating, Deduct	-455.49	
			For Class 54 Rating, Add	310.56	
			For Class 55 Rating, Add	690.27	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,077.90	519.61
			For Class 52 Rating, Deduct	-471.97	
			For Class 54 Rating, Add	321.80	
			For Class 55 Rating, Add	715.24	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,230.65	521.56
			For Class 52 Rating, Deduct	-488.45	
			For Class 54 Rating, Add	333.03	
			For Class 55 Rating, Add	740.22	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.43	523.49
			For Class 52 Rating, Deduct	-504.93	
			For Class 54 Rating, Add	344.27	
			For Class 55 Rating, Add	765.20	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,536.18	525.42
			For Class 52 Rating, Deduct	-521.41	
			For Class 54 Rating, Add	355.51	
			For Class 55 Rating, Add	790.17	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,688.94	527.36
			For Class 52 Rating, Deduct	-537.89	
			For Class 54 Rating, Add	366.74	
			For Class 55 Rating, Add	815.15	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,841.70	529.31
			For Class 52 Rating, Deduct	-554.37	
			For Class 54 Rating, Add	377.98	
			For Class 55 Rating, Add	840.12	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,994.47	531.24
			For Class 52 Rating, Deduct	-570.85	
			For Class 54 Rating, Add	389.22	
			For Class 55 Rating, Add	865.10	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,147.22	533.18
			For Class 52 Rating, Deduct	-587.33	
			For Class 54 Rating, Add	400.45	
			For Class 55 Rating, Add	890.07	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,299.99	535.12
			For Class 52 Rating, Deduct	-603.81	
			For Class 54 Rating, Add	411.69	
			For Class 55 Rating, Add	915.05	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,452.74	537.06
			For Class 52 Rating, Deduct	-620.29	
			For Class 54 Rating, Add	422.93	
			For Class 55 Rating, Add	940.02	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,605.52	539.00
			For Class 52 Rating, Deduct	-636.77	
			For Class 54 Rating, Add	434.16	
			For Class 55 Rating, Add	965.00	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,758.27	540.94
			For Class 52 Rating, Deduct	-653.25	
			For Class 54 Rating, Add	445.40	
			For Class 55 Rating, Add	989.98	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,911.03	542.88
		<i>For Class 52 Rating, Deduct</i>	-669.73	
		<i>For Class 54 Rating, Add</i>	456.64	
		<i>For Class 55 Rating, Add</i>	1,014.95	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,063.79	544.82
		<i>For Class 52 Rating, Deduct</i>	-686.22	
		<i>For Class 54 Rating, Add</i>	467.87	
		<i>For Class 55 Rating, Add</i>	1,039.93	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.56	546.76
		<i>For Class 52 Rating, Deduct</i>	-702.70	
		<i>For Class 54 Rating, Add</i>	479.11	
		<i>For Class 55 Rating, Add</i>	1,064.90	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,369.31	548.69
		<i>For Class 52 Rating, Deduct</i>	-719.18	
		<i>For Class 54 Rating, Add</i>	490.35	
		<i>For Class 55 Rating, Add</i>	1,089.88	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,522.08	550.62
		<i>For Class 52 Rating, Deduct</i>	-735.66	
		<i>For Class 54 Rating, Add</i>	501.58	
		<i>For Class 55 Rating, Add</i>	1,114.85	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,286.54	566.14
		<i>For Class 52 Rating, Deduct</i>	-157.16	
		<i>For Class 54 Rating, Add</i>	107.16	
		<i>For Class 55 Rating, Add</i>	238.17	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.13	568.09
		<i>For Class 52 Rating, Deduct</i>	-177.59	
		<i>For Class 54 Rating, Add</i>	121.08	
		<i>For Class 55 Rating, Add</i>	269.12	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.73	570.02
		<i>For Class 52 Rating, Deduct</i>	-198.01	
		<i>For Class 54 Rating, Add</i>	135.00	
		<i>For Class 55 Rating, Add</i>	300.07	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,852.32	571.96
		<i>For Class 52 Rating, Deduct</i>	-218.43	
		<i>For Class 54 Rating, Add</i>	148.93	
		<i>For Class 55 Rating, Add</i>	331.02	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.90	573.89
		<i>For Class 52 Rating, Deduct</i>	-238.85	
		<i>For Class 54 Rating, Add</i>	162.85	
		<i>For Class 55 Rating, Add</i>	361.97	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,229.49	575.84
		<i>For Class 52 Rating, Deduct</i>	-259.27	
		<i>For Class 54 Rating, Add</i>	176.78	
		<i>For Class 55 Rating, Add</i>	392.91	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,418.08	577.78
		<i>For Class 52 Rating, Deduct</i>	-279.69	
		<i>For Class 54 Rating, Add</i>	190.70	
		<i>For Class 55 Rating, Add</i>	423.86	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,606.67	579.71
		<i>For Class 52 Rating, Deduct</i>	-300.11	
		<i>For Class 54 Rating, Add</i>	204.62	
		<i>For Class 55 Rating, Add</i>	454.81	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,795.26	581.65
		<i>For Class 52 Rating, Deduct</i>	-320.54	
		<i>For Class 54 Rating, Add</i>	218.55	
		<i>For Class 55 Rating, Add</i>	485.76	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,983.85	583.60
		<i>For Class 52 Rating, Deduct</i>	-340.96	
		<i>For Class 54 Rating, Add</i>	232.47	
		<i>For Class 55 Rating, Add</i>	516.71	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,172.44	585.53
		<i>For Class 52 Rating, Deduct</i>	-361.38	
		<i>For Class 54 Rating, Add</i>	246.40	
		<i>For Class 55 Rating, Add</i>	547.65	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,361.03	587.47
		<i>For Class 52 Rating, Deduct</i>	-381.80	
		<i>For Class 54 Rating, Add</i>	260.32	
		<i>For Class 55 Rating, Add</i>	578.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,549.61	589.41
			For Class 52 Rating, Deduct	-402.22	
			For Class 54 Rating, Add	274.24	
			For Class 55 Rating, Add	609.55	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,738.20	591.35
			For Class 52 Rating, Deduct	-422.64	
			For Class 54 Rating, Add	288.17	
			For Class 55 Rating, Add	640.50	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,926.79	593.29
			For Class 52 Rating, Deduct	-443.07	
			For Class 54 Rating, Add	302.09	
			For Class 55 Rating, Add	671.45	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,115.38	595.22
			For Class 52 Rating, Deduct	-463.49	
			For Class 54 Rating, Add	316.01	
			For Class 55 Rating, Add	702.39	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.97	597.16
			For Class 52 Rating, Deduct	-483.91	
			For Class 54 Rating, Add	329.94	
			For Class 55 Rating, Add	733.34	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,492.56	599.09
			For Class 52 Rating, Deduct	-504.33	
			For Class 54 Rating, Add	343.86	
			For Class 55 Rating, Add	764.29	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,681.15	601.04
			For Class 52 Rating, Deduct	-524.75	
			For Class 54 Rating, Add	357.79	
			For Class 55 Rating, Add	795.24	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,869.74	602.98
			For Class 52 Rating, Deduct	-545.17	
			For Class 54 Rating, Add	371.71	
			For Class 55 Rating, Add	826.19	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,058.32	604.92
			For Class 52 Rating, Deduct	-565.60	
			For Class 54 Rating, Add	385.63	
			For Class 55 Rating, Add	857.13	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,246.91	606.85
			For Class 52 Rating, Deduct	-586.02	
			For Class 54 Rating, Add	399.56	
			For Class 55 Rating, Add	888.08	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,435.50	608.80
			For Class 52 Rating, Deduct	-606.44	
			For Class 54 Rating, Add	413.48	
			For Class 55 Rating, Add	919.03	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,624.09	610.74
			For Class 52 Rating, Deduct	-626.86	
			For Class 54 Rating, Add	427.40	
			For Class 55 Rating, Add	949.98	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,812.68	612.68
			For Class 52 Rating, Deduct	-647.28	
			For Class 54 Rating, Add	441.33	
			For Class 55 Rating, Add	980.93	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,001.27	614.61
			For Class 52 Rating, Deduct	-667.70	
			For Class 54 Rating, Add	455.25	
			For Class 55 Rating, Add	1,011.88	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,189.86	616.55
			For Class 52 Rating, Deduct	-688.13	
			For Class 54 Rating, Add	469.18	
			For Class 55 Rating, Add	1,042.82	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,378.45	618.49
			For Class 52 Rating, Deduct	-708.55	
			For Class 54 Rating, Add	483.10	
			For Class 55 Rating, Add	1,073.77	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,567.03	620.42
			For Class 52 Rating, Deduct	-728.97	
			For Class 54 Rating, Add	497.02	
			For Class 55 Rating, Add	1,104.72	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,805.56	655.33
			For Class 52 Rating, Deduct	-749.39	
			For Class 54 Rating, Add	510.95	
			For Class 55 Rating, Add	1,135.67	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1416	EA 24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,994.15	657.27
	For Class 52 Rating, Deduct	-769.81	
	For Class 54 Rating, Add	524.87	
	For Class 55 Rating, Add	1,166.61	
40 05 19 00-1417	EA 24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,182.73	659.21
	For Class 52 Rating, Deduct	-790.23	
	For Class 54 Rating, Add	538.80	
	For Class 55 Rating, Add	1,197.56	
40 05 19 00-1418	EA 24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,371.34	661.14
	For Class 52 Rating, Deduct	-810.66	
	For Class 54 Rating, Add	552.72	
	For Class 55 Rating, Add	1,228.51	
40 05 19 00-1419	EA 24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,559.92	663.09
	For Class 52 Rating, Deduct	-831.08	
	For Class 54 Rating, Add	566.64	
	For Class 55 Rating, Add	1,259.46	
40 05 19 00-1420	EA 24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,748.51	665.02
	For Class 52 Rating, Deduct	-851.50	
	For Class 54 Rating, Add	580.57	
	For Class 55 Rating, Add	1,290.41	
40 05 19 00-1421	EA 24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,937.09	666.96
	For Class 52 Rating, Deduct	-871.92	
	For Class 54 Rating, Add	594.49	
	For Class 55 Rating, Add	1,321.36	
40 05 19 00-1422	EA 24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,125.69	668.89
	For Class 52 Rating, Deduct	-892.34	
	For Class 54 Rating, Add	608.42	
	For Class 55 Rating, Add	1,352.30	
40 05 19 00-1423	EA 24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,314.28	670.84
	For Class 52 Rating, Deduct	-912.76	
	For Class 54 Rating, Add	622.34	
	For Class 55 Rating, Add	1,383.25	
40 05 19 00-1424	30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA 30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,468.52	798.81
	For Class 52 Rating, Deduct	-248.40	
	For Class 54 Rating, Add	169.37	
	For Class 55 Rating, Add	376.44	
40 05 19 00-1426	EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,739.63	800.74
	For Class 52 Rating, Deduct	-277.90	
	For Class 54 Rating, Add	189.48	
	For Class 55 Rating, Add	421.15	
40 05 19 00-1427	EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,010.72	802.68
	For Class 52 Rating, Deduct	-307.40	
	For Class 54 Rating, Add	209.59	
	For Class 55 Rating, Add	465.85	
40 05 19 00-1428	EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,281.82	804.62
	For Class 52 Rating, Deduct	-336.90	
	For Class 54 Rating, Add	229.70	
	For Class 55 Rating, Add	510.55	
40 05 19 00-1429	EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,552.93	806.56
	For Class 52 Rating, Deduct	-366.40	
	For Class 54 Rating, Add	249.82	
	For Class 55 Rating, Add	555.26	
40 05 19 00-1430	EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,824.03	808.49
	For Class 52 Rating, Deduct	-395.89	
	For Class 54 Rating, Add	269.93	
	For Class 55 Rating, Add	599.96	
40 05 19 00-1431	EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,095.12	810.43
	For Class 52 Rating, Deduct	-425.39	
	For Class 54 Rating, Add	290.04	
	For Class 55 Rating, Add	644.66	
40 05 19 00-1432	EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,366.23	812.38
	For Class 52 Rating, Deduct	-454.89	
	For Class 54 Rating, Add	310.15	
	For Class 55 Rating, Add	689.36	
40 05 19 00-1433	EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,637.33	814.31
	For Class 52 Rating, Deduct	-484.39	
	For Class 54 Rating, Add	330.26	
	For Class 55 Rating, Add	734.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,908.43	816.25
			For Class 52 Rating, Deduct	-513.88	
			For Class 54 Rating, Add	350.38	
			For Class 55 Rating, Add	778.77	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,179.52	818.19
			For Class 52 Rating, Deduct	-543.38	
			For Class 54 Rating, Add	370.49	
			For Class 55 Rating, Add	823.47	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.63	820.14
			For Class 52 Rating, Deduct	-572.88	
			For Class 54 Rating, Add	390.60	
			For Class 55 Rating, Add	868.18	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,721.73	822.07
			For Class 52 Rating, Deduct	-602.38	
			For Class 54 Rating, Add	410.71	
			For Class 55 Rating, Add	912.88	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,992.83	824.01
			For Class 52 Rating, Deduct	-631.88	
			For Class 54 Rating, Add	430.82	
			For Class 55 Rating, Add	957.58	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,263.93	825.94
			For Class 52 Rating, Deduct	-661.38	
			For Class 54 Rating, Add	450.94	
			For Class 55 Rating, Add	1,002.28	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,535.03	827.89
			For Class 52 Rating, Deduct	-690.87	
			For Class 54 Rating, Add	471.05	
			For Class 55 Rating, Add	1,046.99	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,806.13	829.82
			For Class 52 Rating, Deduct	-720.37	
			For Class 54 Rating, Add	491.16	
			For Class 55 Rating, Add	1,091.69	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,077.23	831.76
			For Class 52 Rating, Deduct	-749.87	
			For Class 54 Rating, Add	511.27	
			For Class 55 Rating, Add	1,136.39	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,348.33	833.70
			For Class 52 Rating, Deduct	-779.37	
			For Class 54 Rating, Add	531.39	
			For Class 55 Rating, Add	1,181.09	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,619.43	835.64
			For Class 52 Rating, Deduct	-808.86	
			For Class 54 Rating, Add	551.50	
			For Class 55 Rating, Add	1,225.80	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,890.53	837.58
			For Class 52 Rating, Deduct	-838.36	
			For Class 54 Rating, Add	571.61	
			For Class 55 Rating, Add	1,270.50	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,161.64	839.52
			For Class 52 Rating, Deduct	-867.86	
			For Class 54 Rating, Add	591.72	
			For Class 55 Rating, Add	1,315.20	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,432.73	841.45
			For Class 52 Rating, Deduct	-897.36	
			For Class 54 Rating, Add	611.84	
			For Class 55 Rating, Add	1,359.91	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,703.83	843.40
			For Class 52 Rating, Deduct	-926.86	
			For Class 54 Rating, Add	631.95	
			For Class 55 Rating, Add	1,404.61	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,974.94	845.34
			For Class 52 Rating, Deduct	-956.35	
			For Class 54 Rating, Add	652.06	
			For Class 55 Rating, Add	1,449.31	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,246.04	847.28
			For Class 52 Rating, Deduct	-985.85	
			For Class 54 Rating, Add	672.17	
			For Class 55 Rating, Add	1,494.01	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,517.13	849.21
			For Class 52 Rating, Deduct	-1,015.35	
			For Class 54 Rating, Add	692.28	
			For Class 55 Rating, Add	1,538.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,788.23	851.15
		<i>For Class 52 Rating, Deduct</i>	-1,044.85	
		<i>For Class 54 Rating, Add</i>	712.40	
		<i>For Class 55 Rating, Add</i>	1,583.42	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,059.34	853.09
		<i>For Class 52 Rating, Deduct</i>	-1,074.35	
		<i>For Class 54 Rating, Add</i>	732.51	
		<i>For Class 55 Rating, Add</i>	1,628.12	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,330.44	855.03
		<i>For Class 52 Rating, Deduct</i>	-1,103.84	
		<i>For Class 54 Rating, Add</i>	752.62	
		<i>For Class 55 Rating, Add</i>	1,672.82	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,601.53	856.96
		<i>For Class 52 Rating, Deduct</i>	-1,133.34	
		<i>For Class 54 Rating, Add</i>	772.73	
		<i>For Class 55 Rating, Add</i>	1,717.53	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,872.64	858.91
		<i>For Class 52 Rating, Deduct</i>	-1,162.84	
		<i>For Class 54 Rating, Add</i>	792.85	
		<i>For Class 55 Rating, Add</i>	1,762.23	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,143.75	860.85
		<i>For Class 52 Rating, Deduct</i>	-1,192.34	
		<i>For Class 54 Rating, Add</i>	812.96	
		<i>For Class 55 Rating, Add</i>	1,806.93	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,414.84	862.78
		<i>For Class 52 Rating, Deduct</i>	-1,221.83	
		<i>For Class 54 Rating, Add</i>	833.07	
		<i>For Class 55 Rating, Add</i>	1,851.64	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,685.95	864.72
		<i>For Class 52 Rating, Deduct</i>	-1,251.33	
		<i>For Class 54 Rating, Add</i>	853.18	
		<i>For Class 55 Rating, Add</i>	1,896.34	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,957.04	866.67
		<i>For Class 52 Rating, Deduct</i>	-1,280.83	
		<i>For Class 54 Rating, Add</i>	873.29	
		<i>For Class 55 Rating, Add</i>	1,941.04	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,228.15	868.61
		<i>For Class 52 Rating, Deduct</i>	-1,310.33	
		<i>For Class 54 Rating, Add</i>	893.41	
		<i>For Class 55 Rating, Add</i>	1,985.74	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,499.24	870.54
		<i>For Class 52 Rating, Deduct</i>	-1,339.83	
		<i>For Class 54 Rating, Add</i>	913.52	
		<i>For Class 55 Rating, Add</i>	2,030.45	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,749.23	1,012.07
		<i>For Class 52 Rating, Deduct</i>	-353.74	
		<i>For Class 54 Rating, Add</i>	241.18	
		<i>For Class 55 Rating, Add</i>	536.07	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,116.96	1,014.02
		<i>For Class 52 Rating, Deduct</i>	-393.86	
		<i>For Class 54 Rating, Add</i>	268.54	
		<i>For Class 55 Rating, Add</i>	596.88	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,484.68	1,015.95
		<i>For Class 52 Rating, Deduct</i>	-433.99	
		<i>For Class 54 Rating, Add</i>	295.90	
		<i>For Class 55 Rating, Add</i>	657.69	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,852.41	1,017.89
		<i>For Class 52 Rating, Deduct</i>	-474.12	
		<i>For Class 54 Rating, Add</i>	323.26	
		<i>For Class 55 Rating, Add</i>	718.50	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,220.14	1,019.83
		<i>For Class 52 Rating, Deduct</i>	-514.24	
		<i>For Class 54 Rating, Add</i>	350.62	
		<i>For Class 55 Rating, Add</i>	779.31	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,587.87	1,021.76
		<i>For Class 52 Rating, Deduct</i>	-554.37	
		<i>For Class 54 Rating, Add</i>	377.98	
		<i>For Class 55 Rating, Add</i>	840.12	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	6,955.59	1,023.71
		<i>For Class 52 Rating, Deduct</i>		-594.50	
		<i>For Class 54 Rating, Add</i>		405.34	
		<i>For Class 55 Rating, Add</i>		900.93	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	7,323.31	1,025.65
		<i>For Class 52 Rating, Deduct</i>		-634.62	
		<i>For Class 54 Rating, Add</i>		432.70	
		<i>For Class 55 Rating, Add</i>		961.74	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	7,691.04	1,027.59
		<i>For Class 52 Rating, Deduct</i>		-674.75	
		<i>For Class 54 Rating, Add</i>		460.06	
		<i>For Class 55 Rating, Add</i>		1,022.55	
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	8,058.77	1,029.52
		<i>For Class 52 Rating, Deduct</i>		-714.88	
		<i>For Class 54 Rating, Add</i>		487.42	
		<i>For Class 55 Rating, Add</i>		1,083.36	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	8,426.49	1,031.47
		<i>For Class 52 Rating, Deduct</i>		-755.00	
		<i>For Class 54 Rating, Add</i>		514.78	
		<i>For Class 55 Rating, Add</i>		1,144.17	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	8,794.22	1,033.41
		<i>For Class 52 Rating, Deduct</i>		-795.13	
		<i>For Class 54 Rating, Add</i>		542.13	
		<i>For Class 55 Rating, Add</i>		1,204.98	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	9,161.95	1,035.34
		<i>For Class 52 Rating, Deduct</i>		-835.26	
		<i>For Class 54 Rating, Add</i>		569.49	
		<i>For Class 55 Rating, Add</i>		1,265.79	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	9,529.67	1,037.27
		<i>For Class 52 Rating, Deduct</i>		-875.38	
		<i>For Class 54 Rating, Add</i>		596.85	
		<i>For Class 55 Rating, Add</i>		1,326.60	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	9,897.39	1,039.22
		<i>For Class 52 Rating, Deduct</i>		-915.51	
		<i>For Class 54 Rating, Add</i>		624.21	
		<i>For Class 55 Rating, Add</i>		1,387.41	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	10,265.12	1,041.16
		<i>For Class 52 Rating, Deduct</i>		-955.64	
		<i>For Class 54 Rating, Add</i>		651.57	
		<i>For Class 55 Rating, Add</i>		1,448.22	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	10,632.85	1,043.09
		<i>For Class 52 Rating, Deduct</i>		-995.76	
		<i>For Class 54 Rating, Add</i>		678.93	
		<i>For Class 55 Rating, Add</i>		1,509.04	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	11,000.58	1,045.03
		<i>For Class 52 Rating, Deduct</i>		-1,035.89	
		<i>For Class 54 Rating, Add</i>		706.29	
		<i>For Class 55 Rating, Add</i>		1,569.85	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	11,368.30	1,046.98
		<i>For Class 52 Rating, Deduct</i>		-1,076.02	
		<i>For Class 54 Rating, Add</i>		733.65	
		<i>For Class 55 Rating, Add</i>		1,630.66	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	11,736.03	1,048.92
		<i>For Class 52 Rating, Deduct</i>		-1,116.14	
		<i>For Class 54 Rating, Add</i>		761.01	
		<i>For Class 55 Rating, Add</i>		1,691.47	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	12,103.75	1,050.85
		<i>For Class 52 Rating, Deduct</i>		-1,156.27	
		<i>For Class 54 Rating, Add</i>		788.37	
		<i>For Class 55 Rating, Add</i>		1,752.28	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	12,471.48	1,052.79
		<i>For Class 52 Rating, Deduct</i>		-1,196.40	
		<i>For Class 54 Rating, Add</i>		815.73	
		<i>For Class 55 Rating, Add</i>		1,813.09	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	12,839.21	1,054.74
		<i>For Class 52 Rating, Deduct</i>		-1,236.52	
		<i>For Class 54 Rating, Add</i>		843.08	
		<i>For Class 55 Rating, Add</i>		1,873.90	
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	Pipe	13,206.93	1,056.67
		<i>For Class 52 Rating, Deduct</i>		-1,276.65	
		<i>For Class 54 Rating, Add</i>		870.44	
		<i>For Class 55 Rating, Add</i>		1,934.71	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,574.67	1,058.61
			<i>For Class 52 Rating, Deduct</i>	-1,316.78	
			<i>For Class 54 Rating, Add</i>	897.80	
			<i>For Class 55 Rating, Add</i>	1,995.52	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,942.39	1,060.54
			<i>For Class 52 Rating, Deduct</i>	-1,356.91	
			<i>For Class 54 Rating, Add</i>	925.16	
			<i>For Class 55 Rating, Add</i>	2,056.33	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,310.11	1,062.49
			<i>For Class 52 Rating, Deduct</i>	-1,397.03	
			<i>For Class 54 Rating, Add</i>	952.52	
			<i>For Class 55 Rating, Add</i>	2,117.14	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,677.83	1,064.42
			<i>For Class 52 Rating, Deduct</i>	-1,437.16	
			<i>For Class 54 Rating, Add</i>	979.88	
			<i>For Class 55 Rating, Add</i>	2,177.95	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,045.57	1,066.36
			<i>For Class 52 Rating, Deduct</i>	-1,477.28	
			<i>For Class 54 Rating, Add</i>	1,007.24	
			<i>For Class 55 Rating, Add</i>	2,238.76	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,413.29	1,068.30
			<i>For Class 52 Rating, Deduct</i>	-1,517.41	
			<i>For Class 54 Rating, Add</i>	1,034.60	
			<i>For Class 55 Rating, Add</i>	2,299.57	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,781.02	1,070.24
			<i>For Class 52 Rating, Deduct</i>	-1,557.54	
			<i>For Class 54 Rating, Add</i>	1,061.96	
			<i>For Class 55 Rating, Add</i>	2,360.38	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,148.74	1,072.18
			<i>For Class 52 Rating, Deduct</i>	-1,597.67	
			<i>For Class 54 Rating, Add</i>	1,089.32	
			<i>For Class 55 Rating, Add</i>	2,421.19	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,516.48	1,074.12
			<i>For Class 52 Rating, Deduct</i>	-1,637.79	
			<i>For Class 54 Rating, Add</i>	1,116.68	
			<i>For Class 55 Rating, Add</i>	2,482.00	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,884.19	1,076.06
			<i>For Class 52 Rating, Deduct</i>	-1,677.92	
			<i>For Class 54 Rating, Add</i>	1,144.04	
			<i>For Class 55 Rating, Add</i>	2,542.81	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,251.92	1,078.00
			<i>For Class 52 Rating, Deduct</i>	-1,718.04	
			<i>For Class 54 Rating, Add</i>	1,171.39	
			<i>For Class 55 Rating, Add</i>	2,603.62	
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,619.64	1,079.94
			<i>For Class 52 Rating, Deduct</i>	-1,758.17	
			<i>For Class 54 Rating, Add</i>	1,198.75	
			<i>For Class 55 Rating, Add</i>	2,664.43	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,987.38	1,081.87
			<i>For Class 52 Rating, Deduct</i>	-1,798.30	
			<i>For Class 54 Rating, Add</i>	1,226.11	
			<i>For Class 55 Rating, Add</i>	2,725.24	
40 05 19 00-1501	EA		36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,355.10	1,083.81
			<i>For Class 52 Rating, Deduct</i>	-1,838.43	
			<i>For Class 54 Rating, Add</i>	1,253.47	
			<i>For Class 55 Rating, Add</i>	2,786.05	
40 05 19 00-1502			42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,244.21	1,275.76
			<i>For Class 52 Rating, Deduct</i>	-474.24	
			<i>For Class 54 Rating, Add</i>	323.34	
			<i>For Class 55 Rating, Add</i>	718.68	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,792.15	1,277.69
			<i>For Class 52 Rating, Deduct</i>	-534.19	
			<i>For Class 54 Rating, Add</i>	364.22	
			<i>For Class 55 Rating, Add</i>	809.54	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,333.59	1,279.63
			<i>For Class 52 Rating, Deduct</i>	-593.42	
			<i>For Class 54 Rating, Add</i>	404.61	
			<i>For Class 55 Rating, Add</i>	899.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,880.45	1,281.58
			For Class 52 Rating, Deduct	-653.25	
			For Class 54 Rating, Add	445.40	
			For Class 55 Rating, Add	989.98	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,421.89	1,283.52
			For Class 52 Rating, Deduct	-712.49	
			For Class 54 Rating, Add	485.79	
			For Class 55 Rating, Add	1,079.74	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,969.83	1,285.45
			For Class 52 Rating, Deduct	-772.44	
			For Class 54 Rating, Add	526.66	
			For Class 55 Rating, Add	1,170.60	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,510.19	1,287.39
			For Class 52 Rating, Deduct	-831.55	
			For Class 54 Rating, Add	566.97	
			For Class 55 Rating, Add	1,260.18	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,058.13	1,289.34
			For Class 52 Rating, Deduct	-891.51	
			For Class 54 Rating, Add	607.85	
			For Class 55 Rating, Add	1,351.04	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,599.57	1,291.27
			For Class 52 Rating, Deduct	-950.74	
			For Class 54 Rating, Add	648.23	
			For Class 55 Rating, Add	1,440.80	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,146.42	1,293.20
			For Class 52 Rating, Deduct	-1,010.57	
			For Class 54 Rating, Add	689.03	
			For Class 55 Rating, Add	1,531.48	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,687.87	1,295.14
			For Class 52 Rating, Deduct	-1,069.81	
			For Class 54 Rating, Add	729.41	
			For Class 55 Rating, Add	1,621.24	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,234.73	1,297.09
			For Class 52 Rating, Deduct	-1,129.64	
			For Class 54 Rating, Add	770.21	
			For Class 55 Rating, Add	1,711.92	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,776.16	1,299.02
			For Class 52 Rating, Deduct	-1,188.87	
			For Class 54 Rating, Add	810.60	
			For Class 55 Rating, Add	1,801.68	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,318.68	1,300.96
			For Class 52 Rating, Deduct	-1,248.23	
			For Class 54 Rating, Add	851.06	
			For Class 55 Rating, Add	1,891.63	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,864.47	1,302.90
			For Class 52 Rating, Deduct	-1,307.94	
			For Class 54 Rating, Add	891.78	
			For Class 55 Rating, Add	1,982.12	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,405.89	1,304.85
			For Class 52 Rating, Deduct	-1,367.17	
			For Class 54 Rating, Add	932.16	
			For Class 55 Rating, Add	2,071.89	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,953.85	1,306.78
			For Class 52 Rating, Deduct	-1,427.13	
			For Class 54 Rating, Add	973.04	
			For Class 55 Rating, Add	2,162.75	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,495.27	1,308.72
			For Class 52 Rating, Deduct	-1,486.36	
			For Class 54 Rating, Add	1,013.43	
			For Class 55 Rating, Add	2,252.51	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,042.15	1,310.66
			For Class 52 Rating, Deduct	-1,546.19	
			For Class 54 Rating, Add	1,054.22	
			For Class 55 Rating, Add	2,343.19	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,583.58	1,312.60
			For Class 52 Rating, Deduct	-1,605.43	
			For Class 54 Rating, Add	1,094.61	
			For Class 55 Rating, Add	2,432.95	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,131.53	1,314.54
			For Class 52 Rating, Deduct	-1,665.38	
			For Class 54 Rating, Add	1,135.49	
			For Class 55 Rating, Add	2,523.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,672.95	1,316.47
		<i>For Class 52 Rating, Deduct</i>	-1,724.61	
		<i>For Class 54 Rating, Add</i>	1,175.87	
		<i>For Class 55 Rating, Add</i>	2,613.57	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,219.83	1,318.41
		<i>For Class 52 Rating, Deduct</i>	-1,784.45	
		<i>For Class 54 Rating, Add</i>	1,216.67	
		<i>For Class 55 Rating, Add</i>	2,704.25	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,761.26	1,320.35
		<i>For Class 52 Rating, Deduct</i>	-1,843.68	
		<i>For Class 54 Rating, Add</i>	1,257.05	
		<i>For Class 55 Rating, Add</i>	2,794.01	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,309.21	1,322.29
		<i>For Class 52 Rating, Deduct</i>	-1,903.63	
		<i>For Class 54 Rating, Add</i>	1,297.93	
		<i>For Class 55 Rating, Add</i>	2,884.87	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,850.64	1,324.23
		<i>For Class 52 Rating, Deduct</i>	-1,962.87	
		<i>For Class 54 Rating, Add</i>	1,338.32	
		<i>For Class 55 Rating, Add</i>	2,974.63	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,396.43	1,326.16
		<i>For Class 52 Rating, Deduct</i>	-2,022.58	
		<i>For Class 54 Rating, Add</i>	1,379.03	
		<i>For Class 55 Rating, Add</i>	3,065.13	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,938.94	1,328.11
		<i>For Class 52 Rating, Deduct</i>	-2,081.93	
		<i>For Class 54 Rating, Add</i>	1,419.50	
		<i>For Class 55 Rating, Add</i>	3,155.07	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,371.81	1,330.05
		<i>For Class 52 Rating, Deduct</i>	-2,129.22	
		<i>For Class 54 Rating, Add</i>	1,451.74	
		<i>For Class 55 Rating, Add</i>	3,226.74	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,027.23	1,331.99
		<i>For Class 52 Rating, Deduct</i>	-2,201.00	
		<i>For Class 54 Rating, Add</i>	1,500.68	
		<i>For Class 55 Rating, Add</i>	3,335.51	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,568.68	1,333.92
		<i>For Class 52 Rating, Deduct</i>	-2,260.23	
		<i>For Class 54 Rating, Add</i>	1,541.07	
		<i>For Class 55 Rating, Add</i>	3,425.28	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,115.54	1,335.87
		<i>For Class 52 Rating, Deduct</i>	-2,320.07	
		<i>For Class 54 Rating, Add</i>	1,581.86	
		<i>For Class 55 Rating, Add</i>	3,515.95	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,656.97	1,337.80
		<i>For Class 52 Rating, Deduct</i>	-2,379.30	
		<i>For Class 54 Rating, Add</i>	1,622.25	
		<i>For Class 55 Rating, Add</i>	3,605.72	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,204.92	1,339.74
		<i>For Class 52 Rating, Deduct</i>	-2,439.25	
		<i>For Class 54 Rating, Add</i>	1,663.13	
		<i>For Class 55 Rating, Add</i>	3,696.57	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,745.28	1,341.67
		<i>For Class 52 Rating, Deduct</i>	-2,498.37	
		<i>For Class 54 Rating, Add</i>	1,703.43	
		<i>For Class 55 Rating, Add</i>	3,786.16	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,293.23	1,343.62
		<i>For Class 52 Rating, Deduct</i>	-2,558.32	
		<i>For Class 54 Rating, Add</i>	1,744.31	
		<i>For Class 55 Rating, Add</i>	3,877.02	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,834.65	1,345.56
		<i>For Class 52 Rating, Deduct</i>	-2,617.55	
		<i>For Class 54 Rating, Add</i>	1,784.69	
		<i>For Class 55 Rating, Add</i>	3,966.78	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,381.52	1,347.49
		<i>For Class 52 Rating, Deduct</i>	-2,677.38	
		<i>For Class 54 Rating, Add</i>	1,825.49	
		<i>For Class 55 Rating, Add</i>	4,057.45	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,035.88	1,603.42
			For Class 52 Rating, Deduct	-616.71	
			For Class 54 Rating, Add	420.48	
			For Class 55 Rating, Add	934.60	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,832.44	1,605.36
			For Class 52 Rating, Deduct	-704.01	
			For Class 54 Rating, Add	480.01	
			For Class 55 Rating, Add	1,066.89	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,627.93	1,607.30
			For Class 52 Rating, Deduct	-791.19	
			For Class 54 Rating, Add	539.45	
			For Class 55 Rating, Add	1,199.01	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,429.93	1,609.25
			For Class 52 Rating, Deduct	-879.09	
			For Class 54 Rating, Add	599.38	
			For Class 55 Rating, Add	1,332.21	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.50	1,611.18
			For Class 52 Rating, Deduct	-966.39	
			For Class 54 Rating, Add	658.90	
			For Class 55 Rating, Add	1,464.51	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,023.06	1,613.12
			For Class 52 Rating, Deduct	-1,053.68	
			For Class 54 Rating, Add	718.42	
			For Class 55 Rating, Add	1,596.81	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,823.98	1,615.06
			For Class 52 Rating, Deduct	-1,141.46	
			For Class 54 Rating, Add	778.27	
			For Class 55 Rating, Add	1,729.83	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,621.64	1,616.99
			For Class 52 Rating, Deduct	-1,228.88	
			For Class 54 Rating, Add	837.87	
			For Class 55 Rating, Add	1,862.31	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,417.12	1,618.94
			For Class 52 Rating, Deduct	-1,316.06	
			For Class 54 Rating, Add	897.31	
			For Class 55 Rating, Add	1,994.43	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,219.11	1,620.87
			For Class 52 Rating, Deduct	-1,403.96	
			For Class 54 Rating, Add	957.24	
			For Class 55 Rating, Add	2,127.63	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,015.69	1,622.81
			For Class 52 Rating, Deduct	-1,491.26	
			For Class 54 Rating, Add	1,016.77	
			For Class 55 Rating, Add	2,259.93	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,817.70	1,624.74
			For Class 52 Rating, Deduct	-1,579.15	
			For Class 54 Rating, Add	1,076.70	
			For Class 55 Rating, Add	2,393.14	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,613.17	1,626.69
			For Class 52 Rating, Deduct	-1,666.33	
			For Class 54 Rating, Add	1,136.14	
			For Class 55 Rating, Add	2,525.25	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,409.75	1,628.63
			For Class 52 Rating, Deduct	-1,753.63	
			For Class 54 Rating, Add	1,195.66	
			For Class 55 Rating, Add	2,657.55	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,211.75	1,630.57
			For Class 52 Rating, Deduct	-1,841.53	
			For Class 54 Rating, Add	1,255.59	
			For Class 55 Rating, Add	2,790.76	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,008.32	1,632.50
			For Class 52 Rating, Deduct	-1,928.83	
			For Class 54 Rating, Add	1,315.11	
			For Class 55 Rating, Add	2,923.05	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,803.79	1,634.45
			For Class 52 Rating, Deduct	-2,016.01	
			For Class 54 Rating, Add	1,374.55	
			For Class 55 Rating, Add	3,055.17	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,605.79	1,636.39
			For Class 52 Rating, Deduct	-2,103.91	
			For Class 54 Rating, Add	1,434.48	
			For Class 55 Rating, Add	3,188.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,402.37	1,638.32
			<i>For Class 52 Rating, Deduct</i>	-2,191.21	
			<i>For Class 54 Rating, Add</i>	1,494.00	
			<i>For Class 55 Rating, Add</i>	3,320.67	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,197.85	1,640.26
			<i>For Class 52 Rating, Deduct</i>	-2,278.39	
			<i>For Class 54 Rating, Add</i>	1,553.45	
			<i>For Class 55 Rating, Add</i>	3,452.79	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,999.84	1,642.20
			<i>For Class 52 Rating, Deduct</i>	-2,366.28	
			<i>For Class 54 Rating, Add</i>	1,613.37	
			<i>For Class 55 Rating, Add</i>	3,585.99	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,797.50	1,644.14
			<i>For Class 52 Rating, Deduct</i>	-2,453.70	
			<i>For Class 54 Rating, Add</i>	1,672.98	
			<i>For Class 55 Rating, Add</i>	3,718.47	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,592.99	1,646.07
			<i>For Class 52 Rating, Deduct</i>	-2,540.88	
			<i>For Class 54 Rating, Add</i>	1,732.42	
			<i>For Class 55 Rating, Add</i>	3,850.59	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,394.99	1,648.01
			<i>For Class 52 Rating, Deduct</i>	-2,628.78	
			<i>For Class 54 Rating, Add</i>	1,792.35	
			<i>For Class 55 Rating, Add</i>	3,983.79	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,191.55	1,649.96
			<i>For Class 52 Rating, Deduct</i>	-2,716.08	
			<i>For Class 54 Rating, Add</i>	1,851.87	
			<i>For Class 55 Rating, Add</i>	4,116.09	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,987.04	1,651.89
			<i>For Class 52 Rating, Deduct</i>	-2,803.26	
			<i>For Class 54 Rating, Add</i>	1,911.31	
			<i>For Class 55 Rating, Add</i>	4,248.21	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,789.04	1,653.83
			<i>For Class 52 Rating, Deduct</i>	-2,891.16	
			<i>For Class 54 Rating, Add</i>	1,971.24	
			<i>For Class 55 Rating, Add</i>	4,381.41	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,585.61	1,655.77
			<i>For Class 52 Rating, Deduct</i>	-2,978.45	
			<i>For Class 54 Rating, Add</i>	2,030.76	
			<i>For Class 55 Rating, Add</i>	4,513.71	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,284.46	1,657.72
			<i>For Class 52 Rating, Deduct</i>	-3,055.01	
			<i>For Class 54 Rating, Add</i>	2,082.96	
			<i>For Class 55 Rating, Add</i>	4,629.72	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,184.17	1,659.65
			<i>For Class 52 Rating, Deduct</i>	-3,153.65	
			<i>For Class 54 Rating, Add</i>	2,150.22	
			<i>For Class 55 Rating, Add</i>	4,779.21	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,979.66	1,661.59
			<i>For Class 52 Rating, Deduct</i>	-3,240.83	
			<i>For Class 54 Rating, Add</i>	2,209.66	
			<i>For Class 55 Rating, Add</i>	4,911.33	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,782.74	1,663.52
			<i>For Class 52 Rating, Deduct</i>	-3,328.85	
			<i>For Class 54 Rating, Add</i>	2,269.67	
			<i>For Class 55 Rating, Add</i>	5,044.72	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,578.22	1,665.47
			<i>For Class 52 Rating, Deduct</i>	-3,416.03	
			<i>For Class 54 Rating, Add</i>	2,329.11	
			<i>For Class 55 Rating, Add</i>	5,176.83	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,373.71	1,667.40
			<i>For Class 52 Rating, Deduct</i>	-3,503.21	
			<i>For Class 54 Rating, Add</i>	2,388.55	
			<i>For Class 55 Rating, Add</i>	5,308.95	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,176.79	1,669.34
			<i>For Class 52 Rating, Deduct</i>	-3,591.22	
			<i>For Class 54 Rating, Add</i>	2,448.56	
			<i>For Class 55 Rating, Add</i>	5,442.33	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,972.28	1,671.28
			<i>For Class 52 Rating, Deduct</i>	-3,678.40	
			<i>For Class 54 Rating, Add</i>	2,508.00	
			<i>For Class 55 Rating, Add</i>	5,574.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,768.84	1,673.22
			<i>For Class 52 Rating, Deduct</i>	-3,765.70	
			<i>For Class 54 Rating, Add</i>	2,567.52	
			<i>For Class 55 Rating, Add</i>	5,706.75	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,570.84	1,675.16
			<i>For Class 52 Rating, Deduct</i>	-3,853.60	
			<i>For Class 54 Rating, Add</i>	2,627.45	
			<i>For Class 55 Rating, Add</i>	5,839.95	
40 05 19 00-1580			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	290.47	93.54
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	411.40	119.62
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	584.19	135.49
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	861.73	171.78
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,072.47	190.48
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,344.92	206.93
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,656.78	255.11
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,181.39	306.13
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,684.88	385.50
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,124.72	436.52
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,978.75	578.25
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,937.02	654.79
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,736.14	748.33
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	22,304.96	918.40
40 05 19 00-1595			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	274.18	93.54
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	385.35	119.62
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	517.97	135.49
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	766.19	171.78
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	950.87	190.48
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,097.38	206.93
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,383.18	255.11
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,813.34	306.13
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,349.41	385.50
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,112.87	436.52
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,238.31	578.25
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,396.35	654.79
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,411.70	748.33
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,675.45	918.40
40 05 19 00-1610			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	273.10	93.54
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	376.66	119.62
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	510.37	135.49
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	744.47	171.78
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	998.64	190.48
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,248.29	206.93
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,416.84	255.11
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,854.60	306.13
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,528.54	385.50
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,521.08	436.52
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,311.05	578.25
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,563.54	654.79
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,745.00	748.33
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,109.72	918.40
40 05 19 00-1625			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	300.24	93.54
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	427.69	119.62
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	532.08	135.49
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	821.56	171.78
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,140.87	190.48
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,285.20	206.93
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,571.01	255.11
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,854.60	306.13
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,528.54	385.50
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,667.65	436.52
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,383.79	578.25
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,635.20	654.79
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	14,821.00	748.33
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,262.80	918.40

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains detailed pricing for Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows.

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains detailed pricing for Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows.

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1720	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	370.81	93.54
40 05 19 00-1721	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	504.77	119.62
40 05 19 00-1722	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	836.07	135.49
40 05 19 00-1723	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,132.06	171.78
40 05 19 00-1724	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,528.46	190.48
40 05 19 00-1725	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,808.50	206.93
40 05 19 00-1726	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,234.36	255.11
40 05 19 00-1727	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,809.99	306.13
40 05 19 00-1728	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,711.93	385.50
40 05 19 00-1729	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,264.68	436.52
40 05 19 00-1730	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	8,657.21	578.25
40 05 19 00-1731	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,412.37	654.79
40 05 19 00-1732	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	23,144.91	748.33
40 05 19 00-1733	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	24,935.57	918.40

	40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1735	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	499.04	150.23
40 05 19 00-1736	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	618.75	184.82
40 05 19 00-1737	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	878.30	206.35
40 05 19 00-1738	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,266.15	268.15
40 05 19 00-1739	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,693.93	292.52
40 05 19 00-1740	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,282.21	314.63
40 05 19 00-1741	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,578.29	396.84
40 05 19 00-1742	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,149.48	453.53
40 05 19 00-1743	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,972.59	572.58
40 05 19 00-1744	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,888.90	632.11
40 05 19 00-1745	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	10,059.26	873.05
40 05 19 00-1746	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,546.39	1,000.60
40 05 19 00-1747	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	30,250.29	1,156.50

	40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	628.81	167.80
40 05 19 00-1750	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	784.88	171.20
40 05 19 00-1751	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	780.61	192.75
40 05 19 00-1752	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,041.44	189.35
40 05 19 00-1753	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,024.14	210.89
40 05 19 00-1754	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,079.49	224.49
40 05 19 00-1755	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,327.46	198.98
40 05 19 00-1756	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,319.93	220.53
40 05 19 00-1757	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,393.75	234.14
40 05 19 00-1758	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,660.74	277.78
40 05 19 00-1759	EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,949.64	206.93
40 05 19 00-1760	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,903.03	228.47
40 05 19 00-1761	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,986.60	242.07
40 05 19 00-1762	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,092.91	285.73
40 05 19 00-1763	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,219.91	300.74
40 05 19 00-1764	EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,368.31	231.01
40 05 19 00-1765	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,175.13	252.56
40 05 19 00-1766	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,137.12	266.17
40 05 19 00-1767	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,508.33	309.81
40 05 19 00-1768	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,430.12	324.84
40 05 19 00-1769	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,713.90	338.73
40 05 19 00-1770	EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,900.94	256.52
40 05 19 00-1771	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,171.44	278.07
40 05 19 00-1772	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,623.07	291.67
40 05 19 00-1773	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,625.15	335.33
40 05 19 00-1774	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,859.62	350.35
40 05 19 00-1775	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,124.95	364.24
40 05 19 00-1776	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,337.83	422.35
40 05 19 00-1777	EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,459.12	296.21
40 05 19 00-1778	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,208.67	317.76
40 05 19 00-1779	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,273.80	331.36
40 05 19 00-1780	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,407.25	375.01
40 05 19 00-1781	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,540.76	390.04
40 05 19 00-1782	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,584.60	403.93
40 05 19 00-1783	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,320.79	462.04
40 05 19 00-1784	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,412.55	493.22
40 05 19 00-1785	EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,264.54	321.72
40 05 19 00-1786	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,671.83	343.27
40 05 19 00-1787	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,839.01	356.87
40 05 19 00-1788	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,986.57	400.53
40 05 19 00-1789	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,474.01	415.54
40 05 19 00-1790	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,584.08	429.44
40 05 19 00-1791	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,730.75	487.55
40 05 19 00-1792	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,238.23	518.73
40 05 19 00-1793	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,449.55	554.30
40 05 19 00-1794	EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,595.36	414.13
40 05 19 00-1795	EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,638.77	427.74
40 05 19 00-1796	EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,849.32	471.38
40 05 19 00-1797	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,872.08	486.41

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1798	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,893.12	500.30
40 05 19 00-1799	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,052.82	558.41
40 05 19 00-1800	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,147.83	589.59
40 05 19 00-1801	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,386.42	668.96
40 05 19 00-1802	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,761.32	702.97
40 05 19 00-1803	EA		36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,473.74	592.71
40 05 19 00-1804	EA		36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,209.86	603.47
40 05 19 00-1805	EA		36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,280.56	634.38
40 05 19 00-1806	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,370.68	646.57
40 05 19 00-1807	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,411.32	657.62
40 05 19 00-1808	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,521.37	698.72
40 05 19 00-1809	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,588.19	727.07
40 05 19 00-1810	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,773.93	786.59
40 05 19 00-1811	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,035.07	816.36
40 05 19 00-1812	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,782.98	936.82
40 05 19 00-1813	EA		42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,826.36	512.77
40 05 19 00-1814	EA		42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,007.75	556.43
40 05 19 00-1815	EA		42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,030.52	571.44
40 05 19 00-1816	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,076.54	585.34
40 05 19 00-1817	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,215.60	643.45
40 05 19 00-1818	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,390.97	674.63
40 05 19 00-1819	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,511.22	753.99
40 05 19 00-1820	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,766.87	788.00
40 05 19 00-1821	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,518.17	958.08
40 05 19 00-1822	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,961.27	1,047.37
40 05 19 00-1823	EA		48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,043.63	663.57
40 05 19 00-1824	EA		48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,064.67	677.46
40 05 19 00-1825	EA		48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,228.72	735.57
40 05 19 00-1826	EA		48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,275.96	766.75
40 05 19 00-1827	EA		48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,497.18	846.12
40 05 19 00-1828	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,727.85	880.13
40 05 19 00-1829	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,343.82	1,050.21

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-0001)

40 05 19 00-1831	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	540.30	150.23
40 05 19 00-1832	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	737.09	184.82
40 05 19 00-1833	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,082.41	206.35
40 05 19 00-1834	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,651.57	268.15
40 05 19 00-1835	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,228.09	292.52
40 05 19 00-1836	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,490.66	314.63
40 05 19 00-1837	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,090.73	396.84
40 05 19 00-1838	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	3,758.55	453.53
40 05 19 00-1839	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,023.53	572.58
40 05 19 00-1840	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,259.03	632.11
40 05 19 00-1841	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	12,192.62	873.05
40 05 19 00-1842	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base.....	17,411.50	1,000.60

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-0001)

40 05 19 00-1844	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	436.07	150.23
40 05 19 00-1845	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	613.32	184.82
40 05 19 00-1846	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	894.58	206.35
40 05 19 00-1847	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,176.04	268.15
40 05 19 00-1848	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,688.51	292.52
40 05 19 00-1849	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,199.69	314.63

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-0001)

40 05 19 00-1851	EA		4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	599.05	206.93
40 05 19 00-1852	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	796.79	224.22
40 05 19 00-1853	EA		6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	842.39	250.01
40 05 19 00-1854	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	989.12	227.90
40 05 19 00-1855	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,076.97	257.95
40 05 19 00-1856	EA		8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,113.78	277.22
40 05 19 00-1857	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,285.84	246.04
40 05 19 00-1858	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,414.96	276.08
40 05 19 00-1859	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,548.40	295.36
40 05 19 00-1860	EA		10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,922.44	364.53
40 05 19 00-1861	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,673.49	255.40
40 05 19 00-1862	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,760.28	285.44
40 05 19 00-1863	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,894.79	304.72
40 05 19 00-1864	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,289.46	373.88
40 05 19 00-1865	EA		12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,150.36	394.57
40 05 19 00-1866	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,104.94	293.66
40 05 19 00-1867	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,238.37	312.94
40 05 19 00-1868	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,488.65	382.10
40 05 19 00-1869	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,707.82	402.79
40 05 19 00-1870	EA		14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,840.59	422.35
40 05 19 00-1871	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,516.00	317.76
40 05 19 00-1872	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,668.98	337.03
40 05 19 00-1873	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,919.25	406.19
40 05 19 00-1874	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,159.06	426.89

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,425.28	446.45
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,576.89	538.57
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,617.63	343.27
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,769.52	362.54
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,978.54	431.71
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,217.26	452.40
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,702.88	471.96
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,030.27	564.07
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,210.96	600.93
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,419.28	382.95
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,582.02	402.23
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,775.85	471.38
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,030.85	492.08
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,104.99	511.64
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,004.55	603.76
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,193.92	640.61
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,688.06	759.66
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,530.58	408.46
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,647.73	427.74
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,908.86	496.90
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,074.84	517.59
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,171.78	537.15
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,467.71	629.27
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,110.80	666.12
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,513.62	741.38
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,270.83	827.69
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,386.05	588.46
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,439.56	608.02
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,746.35	700.14
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,849.95	736.99
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,294.15	856.04
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,111.85	898.56
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,739.08	1,167.84
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,858.60	748.60
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,883.94	765.33
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,143.23	840.45
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,241.45	874.46
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,607.82	973.67
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,049.05	1,011.94
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,665.99	1,231.62
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,371.83	1,346.42
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,568.37	673.49
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,598.01	693.05
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,890.68	785.18
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,971.48	822.02
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,382.03	941.08
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,829.70	983.59
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,241.59	1,252.88
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,545.67	1,393.19
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,791.11	1,564.68
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,583.98	785.18
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,877.73	877.30
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	23,958.53	914.15
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,343.02	1,033.20
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,790.68	1,075.72
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,888.10	1,345.01
40 05 19 00-1931	Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers <small>(40 05 19 00-0001)</small>			
40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	320.00	106.58
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	411.27	114.51
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	452.75	127.56
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	556.01	132.65
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	559.49	145.69
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	656.20	153.64
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	713.93	142.30
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	736.94	155.34
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	808.68	163.27
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	909.98	181.41
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,125.62	155.34
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	891.19	163.27
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	986.82	171.20
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,084.86	189.35
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,052.78	198.98
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,333.52	174.33
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,074.27	187.37
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,012.46	195.30
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,128.97	213.44
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,404.79	222.79
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,512.79	231.01
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,688.33	212.88
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,331.22	220.81
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,462.94	238.96
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,452.13	248.30

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Main table listing items 40 05 19 00-1957 to 40 05 19 00-1988 with descriptions and costs.

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

Table listing items 40 05 19 00-1990 to 40 05 19 00-2038 with descriptions and costs.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,593.88	663.29
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,039.10	701.56
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,550.54	755.41
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	16,268.52	793.68
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	18,229.55	840.45

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	124.23	36.85
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	186.69	54.43
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	272.71	64.63
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	376.98	75.40
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	487.93	88.44
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	647.55	99.21
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	774.34	113.38
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,048.26	158.74
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,393.92	198.42
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,991.41	240.93
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,815.86	280.62
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,056.21	308.96
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,142.36	340.14
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	9,448.72	382.67

40 05 19 00-2059 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-2060 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2059)

40 05 19 00-2061 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2060)

40 05 19 00-2062	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	594.58	162.13
		<i>For Class 52 Rating, Deduct</i>	-38.38	
		<i>For Class 54 Rating, Add</i>	26.17	
		<i>For Class 55 Rating, Add</i>	58.16	
40 05 19 00-2063	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	648.53	164.97
		<i>For Class 52 Rating, Deduct</i>	-43.84	
		<i>For Class 54 Rating, Add</i>	29.89	
		<i>For Class 55 Rating, Add</i>	66.44	
40 05 19 00-2064	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	702.48	167.80
		<i>For Class 52 Rating, Deduct</i>	-49.31	
		<i>For Class 54 Rating, Add</i>	33.62	
		<i>For Class 55 Rating, Add</i>	74.72	
40 05 19 00-2065	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	756.44	170.64
		<i>For Class 52 Rating, Deduct</i>	-54.77	
		<i>For Class 54 Rating, Add</i>	37.34	
		<i>For Class 55 Rating, Add</i>	83.00	
40 05 19 00-2066	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	810.39	173.48
		<i>For Class 52 Rating, Deduct</i>	-60.23	
		<i>For Class 54 Rating, Add</i>	41.07	
		<i>For Class 55 Rating, Add</i>	91.28	
40 05 19 00-2067	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	864.35	176.31
		<i>For Class 52 Rating, Deduct</i>	-65.69	
		<i>For Class 54 Rating, Add</i>	44.79	
		<i>For Class 55 Rating, Add</i>	99.55	
40 05 19 00-2068	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	918.31	179.15
		<i>For Class 52 Rating, Deduct</i>	-71.16	
		<i>For Class 54 Rating, Add</i>	48.52	
		<i>For Class 55 Rating, Add</i>	107.83	
40 05 19 00-2069	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	972.24	181.98
		<i>For Class 52 Rating, Deduct</i>	-76.62	
		<i>For Class 54 Rating, Add</i>	52.24	
		<i>For Class 55 Rating, Add</i>	116.11	
40 05 19 00-2070	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,026.20	184.82
		<i>For Class 52 Rating, Deduct</i>	-82.08	
		<i>For Class 54 Rating, Add</i>	55.96	
		<i>For Class 55 Rating, Add</i>	124.39	
40 05 19 00-2071	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,080.15	187.65
		<i>For Class 52 Rating, Deduct</i>	-87.54	
		<i>For Class 54 Rating, Add</i>	59.69	
		<i>For Class 55 Rating, Add</i>	132.67	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA		4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,134.11	190.48
			For Class 52 Rating, Deduct	-93.01	
			For Class 54 Rating, Add	63.41	
			For Class 55 Rating, Add	140.94	
40 05 19 00-2073	EA		4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,188.06	193.31
			For Class 52 Rating, Deduct	-98.47	
			For Class 54 Rating, Add	67.14	
			For Class 55 Rating, Add	149.22	
40 05 19 00-2074	EA		4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,242.02	196.15
			For Class 52 Rating, Deduct	-103.93	
			For Class 54 Rating, Add	70.86	
			For Class 55 Rating, Add	157.50	
40 05 19 00-2075	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,295.96	198.98
			For Class 52 Rating, Deduct	-109.39	
			For Class 54 Rating, Add	74.59	
			For Class 55 Rating, Add	165.78	
40 05 19 00-2076	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,349.92	201.82
			For Class 52 Rating, Deduct	-114.85	
			For Class 54 Rating, Add	78.31	
			For Class 55 Rating, Add	174.06	
40 05 19 00-2077	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,403.88	204.66
			For Class 52 Rating, Deduct	-120.32	
			For Class 54 Rating, Add	82.03	
			For Class 55 Rating, Add	182.33	
40 05 19 00-2078	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,457.83	207.49
			For Class 52 Rating, Deduct	-125.78	
			For Class 54 Rating, Add	85.76	
			For Class 55 Rating, Add	190.61	
40 05 19 00-2079	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,511.79	210.33
			For Class 52 Rating, Deduct	-131.24	
			For Class 54 Rating, Add	89.48	
			For Class 55 Rating, Add	198.89	
40 05 19 00-2080	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,565.74	213.16
			For Class 52 Rating, Deduct	-136.70	
			For Class 54 Rating, Add	93.21	
			For Class 55 Rating, Add	207.17	
40 05 19 00-2081	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,619.70	216.00
			For Class 52 Rating, Deduct	-142.17	
			For Class 54 Rating, Add	96.93	
			For Class 55 Rating, Add	215.45	
40 05 19 00-2082	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,673.64	218.83
			For Class 52 Rating, Deduct	-147.63	
			For Class 54 Rating, Add	100.66	
			For Class 55 Rating, Add	223.72	
40 05 19 00-2083	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,727.59	221.66
			For Class 52 Rating, Deduct	-153.09	
			For Class 54 Rating, Add	104.38	
			For Class 55 Rating, Add	232.00	
40 05 19 00-2084	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,781.54	224.49
			For Class 52 Rating, Deduct	-158.55	
			For Class 54 Rating, Add	108.11	
			For Class 55 Rating, Add	240.28	
40 05 19 00-2085	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,835.50	227.33
			For Class 52 Rating, Deduct	-164.02	
			For Class 54 Rating, Add	111.83	
			For Class 55 Rating, Add	248.56	
40 05 19 00-2086	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,889.45	230.16
			For Class 52 Rating, Deduct	-169.48	
			For Class 54 Rating, Add	115.55	
			For Class 55 Rating, Add	256.84	
40 05 19 00-2087	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,943.41	233.00
			For Class 52 Rating, Deduct	-174.94	
			For Class 54 Rating, Add	119.28	
			For Class 55 Rating, Add	265.12	
40 05 19 00-2088	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,997.36	235.84
			For Class 52 Rating, Deduct	-180.40	
			For Class 54 Rating, Add	123.00	
			For Class 55 Rating, Add	273.39	
40 05 19 00-2089	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,051.31	238.67
			For Class 52 Rating, Deduct	-185.87	
			For Class 54 Rating, Add	126.73	
			For Class 55 Rating, Add	281.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2090	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,105.27	241.51
			For Class 52 Rating, Deduct	-191.33	
			For Class 54 Rating, Add	130.45	
			For Class 55 Rating, Add	289.95	
40 05 19 00-2091	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,159.22	244.34
			For Class 52 Rating, Deduct	-196.79	
			For Class 54 Rating, Add	134.18	
			For Class 55 Rating, Add	298.23	
40 05 19 00-2092	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,213.18	247.18
			For Class 52 Rating, Deduct	-202.25	
			For Class 54 Rating, Add	137.90	
			For Class 55 Rating, Add	306.51	
40 05 19 00-2093	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,267.13	250.01
			For Class 52 Rating, Deduct	-207.72	
			For Class 54 Rating, Add	141.62	
			For Class 55 Rating, Add	314.78	
40 05 19 00-2094	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,321.08	252.85
			For Class 52 Rating, Deduct	-213.18	
			For Class 54 Rating, Add	145.35	
			For Class 55 Rating, Add	323.06	
40 05 19 00-2095	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,375.03	255.67
			For Class 52 Rating, Deduct	-218.64	
			For Class 54 Rating, Add	149.07	
			For Class 55 Rating, Add	331.34	
40 05 19 00-2096	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,428.99	258.51
			For Class 52 Rating, Deduct	-224.10	
			For Class 54 Rating, Add	152.80	
			For Class 55 Rating, Add	339.62	
40 05 19 00-2097	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,482.94	261.34
			For Class 52 Rating, Deduct	-229.57	
			For Class 54 Rating, Add	156.52	
			For Class 55 Rating, Add	347.90	
40 05 19 00-2098	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.89	264.18
			For Class 52 Rating, Deduct	-235.03	
			For Class 54 Rating, Add	160.25	
			For Class 55 Rating, Add	356.17	
40 05 19 00-2099	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,590.85	267.02
			For Class 52 Rating, Deduct	-240.49	
			For Class 54 Rating, Add	163.97	
			For Class 55 Rating, Add	364.45	
40 05 19 00-2100	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,644.79	269.85
			For Class 52 Rating, Deduct	-245.95	
			For Class 54 Rating, Add	167.69	
			For Class 55 Rating, Add	372.73	
40 05 19 00-2101			6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2102	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	744.39	204.09
			For Class 52 Rating, Deduct	-47.87	
			For Class 54 Rating, Add	32.64	
			For Class 55 Rating, Add	72.54	
40 05 19 00-2103	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	806.18	206.93
			For Class 52 Rating, Deduct	-54.19	
			For Class 54 Rating, Add	36.95	
			For Class 55 Rating, Add	82.13	
40 05 19 00-2104	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	867.98	209.75
			For Class 52 Rating, Deduct	-60.52	
			For Class 54 Rating, Add	41.26	
			For Class 55 Rating, Add	91.71	
40 05 19 00-2105	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	929.77	212.59
			For Class 52 Rating, Deduct	-66.84	
			For Class 54 Rating, Add	45.57	
			For Class 55 Rating, Add	101.30	
40 05 19 00-2106	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	991.56	215.42
			For Class 52 Rating, Deduct	-73.17	
			For Class 54 Rating, Add	49.89	
			For Class 55 Rating, Add	110.88	
40 05 19 00-2107	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,053.36	218.26
			For Class 52 Rating, Deduct	-79.49	
			For Class 54 Rating, Add	54.20	
			For Class 55 Rating, Add	120.47	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2108	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,115.15	221.09
			For Class 52 Rating, Deduct	-85.82	
			For Class 54 Rating, Add	58.51	
			For Class 55 Rating, Add	130.05	
40 05 19 00-2109	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,176.95	223.93
			For Class 52 Rating, Deduct	-92.14	
			For Class 54 Rating, Add	62.82	
			For Class 55 Rating, Add	139.64	
40 05 19 00-2110	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,238.74	226.77
			For Class 52 Rating, Deduct	-98.47	
			For Class 54 Rating, Add	67.14	
			For Class 55 Rating, Add	149.22	
40 05 19 00-2111	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,300.54	229.60
			For Class 52 Rating, Deduct	-104.79	
			For Class 54 Rating, Add	71.45	
			For Class 55 Rating, Add	158.81	
40 05 19 00-2112	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,362.33	232.44
			For Class 52 Rating, Deduct	-111.12	
			For Class 54 Rating, Add	75.76	
			For Class 55 Rating, Add	168.39	
40 05 19 00-2113	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,424.13	235.27
			For Class 52 Rating, Deduct	-117.44	
			For Class 54 Rating, Add	80.07	
			For Class 55 Rating, Add	177.98	
40 05 19 00-2114	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,485.91	238.11
			For Class 52 Rating, Deduct	-123.77	
			For Class 54 Rating, Add	84.39	
			For Class 55 Rating, Add	187.56	
40 05 19 00-2115	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,547.71	240.93
			For Class 52 Rating, Deduct	-130.09	
			For Class 54 Rating, Add	88.70	
			For Class 55 Rating, Add	197.15	
40 05 19 00-2116	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,609.51	243.77
			For Class 52 Rating, Deduct	-136.42	
			For Class 54 Rating, Add	93.01	
			For Class 55 Rating, Add	206.73	
40 05 19 00-2117	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,671.30	246.60
			For Class 52 Rating, Deduct	-142.74	
			For Class 54 Rating, Add	97.32	
			For Class 55 Rating, Add	216.32	
40 05 19 00-2118	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,733.10	249.44
			For Class 52 Rating, Deduct	-149.07	
			For Class 54 Rating, Add	101.64	
			For Class 55 Rating, Add	225.90	
40 05 19 00-2119	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,794.88	252.27
			For Class 52 Rating, Deduct	-155.39	
			For Class 54 Rating, Add	105.95	
			For Class 55 Rating, Add	235.49	
40 05 19 00-2120	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,856.68	255.11
			For Class 52 Rating, Deduct	-161.72	
			For Class 54 Rating, Add	110.26	
			For Class 55 Rating, Add	245.07	
40 05 19 00-2121	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,918.47	257.95
			For Class 52 Rating, Deduct	-168.04	
			For Class 54 Rating, Add	114.57	
			For Class 55 Rating, Add	254.66	
40 05 19 00-2122	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,980.27	260.78
			For Class 52 Rating, Deduct	-174.37	
			For Class 54 Rating, Add	118.89	
			For Class 55 Rating, Add	264.24	
40 05 19 00-2123	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,042.06	263.62
			For Class 52 Rating, Deduct	-180.69	
			For Class 54 Rating, Add	123.20	
			For Class 55 Rating, Add	273.83	
40 05 19 00-2124	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,103.86	266.45
			For Class 52 Rating, Deduct	-187.02	
			For Class 54 Rating, Add	127.51	
			For Class 55 Rating, Add	283.42	
40 05 19 00-2125	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,165.66	269.29
			For Class 52 Rating, Deduct	-193.34	
			For Class 54 Rating, Add	131.82	
			For Class 55 Rating, Add	293.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2126	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,227.45	272.12
			For Class 52 Rating, Deduct	-199.67	
			For Class 54 Rating, Add	136.14	
			For Class 55 Rating, Add	302.59	
40 05 19 00-2127	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,289.24	274.95
			For Class 52 Rating, Deduct	-205.99	
			For Class 54 Rating, Add	140.45	
			For Class 55 Rating, Add	312.17	
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,351.03	277.78
			For Class 52 Rating, Deduct	-212.32	
			For Class 54 Rating, Add	144.76	
			For Class 55 Rating, Add	321.75	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,412.83	280.62
			For Class 52 Rating, Deduct	-218.64	
			For Class 54 Rating, Add	149.07	
			For Class 55 Rating, Add	331.34	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,474.62	283.45
			For Class 52 Rating, Deduct	-224.97	
			For Class 54 Rating, Add	153.39	
			For Class 55 Rating, Add	340.92	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.42	286.29
			For Class 52 Rating, Deduct	-231.29	
			For Class 54 Rating, Add	157.70	
			For Class 55 Rating, Add	350.51	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,598.21	289.13
			For Class 52 Rating, Deduct	-237.62	
			For Class 54 Rating, Add	162.01	
			For Class 55 Rating, Add	360.10	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,660.00	291.96
			For Class 52 Rating, Deduct	-243.94	
			For Class 54 Rating, Add	166.32	
			For Class 55 Rating, Add	369.68	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,721.80	294.80
			For Class 52 Rating, Deduct	-250.27	
			For Class 54 Rating, Add	170.64	
			For Class 55 Rating, Add	379.27	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,783.59	297.63
			For Class 52 Rating, Deduct	-256.59	
			For Class 54 Rating, Add	174.95	
			For Class 55 Rating, Add	388.85	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,845.39	300.47
			For Class 52 Rating, Deduct	-262.92	
			For Class 54 Rating, Add	179.26	
			For Class 55 Rating, Add	398.44	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,907.18	303.30
			For Class 52 Rating, Deduct	-269.24	
			For Class 54 Rating, Add	183.57	
			For Class 55 Rating, Add	408.02	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,968.98	306.13
			For Class 52 Rating, Deduct	-275.57	
			For Class 54 Rating, Add	187.89	
			For Class 55 Rating, Add	417.61	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,030.76	308.96
			For Class 52 Rating, Deduct	-281.89	
			For Class 54 Rating, Add	192.20	
			For Class 55 Rating, Add	427.19	
40 05 19 00-2140	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,092.56	311.80
			For Class 52 Rating, Deduct	-288.21	
			For Class 54 Rating, Add	196.51	
			For Class 55 Rating, Add	436.78	
40 05 19 00-2141			8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2142	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,023.69	260.78
			For Class 52 Rating, Deduct	-69.14	
			For Class 54 Rating, Add	47.14	
			For Class 55 Rating, Add	104.78	
40 05 19 00-2143	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,102.47	263.62
			For Class 52 Rating, Deduct	-77.34	
			For Class 54 Rating, Add	52.73	
			For Class 55 Rating, Add	117.20	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2144	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,181.26	266.45
		For Class 52 Rating, Deduct	-85.53	
		For Class 54 Rating, Add	58.32	
		For Class 55 Rating, Add	129.62	
40 05 19 00-2145	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,260.04	269.29
		For Class 52 Rating, Deduct	-93.72	
		For Class 54 Rating, Add	63.90	
		For Class 55 Rating, Add	142.03	
40 05 19 00-2146	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,338.82	272.12
		For Class 52 Rating, Deduct	-101.92	
		For Class 54 Rating, Add	69.49	
		For Class 55 Rating, Add	154.45	
40 05 19 00-2147	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.61	274.95
		For Class 52 Rating, Deduct	-110.11	
		For Class 54 Rating, Add	75.08	
		For Class 55 Rating, Add	166.87	
40 05 19 00-2148	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,496.39	277.78
		For Class 52 Rating, Deduct	-118.31	
		For Class 54 Rating, Add	80.66	
		For Class 55 Rating, Add	179.29	
40 05 19 00-2149	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,575.17	280.62
		For Class 52 Rating, Deduct	-126.50	
		For Class 54 Rating, Add	86.25	
		For Class 55 Rating, Add	191.70	
40 05 19 00-2150	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,653.95	283.45
		For Class 52 Rating, Deduct	-134.69	
		For Class 54 Rating, Add	91.84	
		For Class 55 Rating, Add	204.12	
40 05 19 00-2151	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.74	286.29
		For Class 52 Rating, Deduct	-142.89	
		For Class 54 Rating, Add	97.42	
		For Class 55 Rating, Add	216.54	
40 05 19 00-2152	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,811.52	289.13
		For Class 52 Rating, Deduct	-151.08	
		For Class 54 Rating, Add	103.01	
		For Class 55 Rating, Add	228.95	
40 05 19 00-2153	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,890.29	291.96
		For Class 52 Rating, Deduct	-159.27	
		For Class 54 Rating, Add	108.59	
		For Class 55 Rating, Add	241.37	
40 05 19 00-2154	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,969.08	294.80
		For Class 52 Rating, Deduct	-167.47	
		For Class 54 Rating, Add	114.18	
		For Class 55 Rating, Add	253.79	
40 05 19 00-2155	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,047.86	297.63
		For Class 52 Rating, Deduct	-175.66	
		For Class 54 Rating, Add	119.77	
		For Class 55 Rating, Add	266.20	
40 05 19 00-2156	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,126.65	300.47
		For Class 52 Rating, Deduct	-183.85	
		For Class 54 Rating, Add	125.36	
		For Class 55 Rating, Add	278.62	
40 05 19 00-2157	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,205.42	303.30
		For Class 52 Rating, Deduct	-192.05	
		For Class 54 Rating, Add	130.94	
		For Class 55 Rating, Add	291.04	
40 05 19 00-2158	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,284.21	306.13
		For Class 52 Rating, Deduct	-200.24	
		For Class 54 Rating, Add	136.53	
		For Class 55 Rating, Add	303.46	
40 05 19 00-2159	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,362.99	308.96
		For Class 52 Rating, Deduct	-208.43	
		For Class 54 Rating, Add	142.11	
		For Class 55 Rating, Add	315.87	
40 05 19 00-2160	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,441.78	311.80
		For Class 52 Rating, Deduct	-216.63	
		For Class 54 Rating, Add	147.70	
		For Class 55 Rating, Add	328.29	
40 05 19 00-2161	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,520.56	314.63
		For Class 52 Rating, Deduct	-224.82	
		For Class 54 Rating, Add	153.29	
		For Class 55 Rating, Add	340.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2162	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,599.34	317.47
			For Class 52 Rating, Deduct	-233.02	
			For Class 54 Rating, Add	158.87	
			For Class 55 Rating, Add	353.12	
40 05 19 00-2163	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,678.12	320.31
			For Class 52 Rating, Deduct	-241.21	
			For Class 54 Rating, Add	164.46	
			For Class 55 Rating, Add	365.54	
40 05 19 00-2164	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,756.91	323.14
			For Class 52 Rating, Deduct	-249.40	
			For Class 54 Rating, Add	170.05	
			For Class 55 Rating, Add	377.96	
40 05 19 00-2165	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,835.70	325.98
			For Class 52 Rating, Deduct	-257.60	
			For Class 54 Rating, Add	175.63	
			For Class 55 Rating, Add	390.38	
40 05 19 00-2166	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,914.47	328.81
			For Class 52 Rating, Deduct	-265.79	
			For Class 54 Rating, Add	181.22	
			For Class 55 Rating, Add	402.79	
40 05 19 00-2167	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	2,993.25	331.65
			For Class 52 Rating, Deduct	-273.98	
			For Class 54 Rating, Add	186.81	
			For Class 55 Rating, Add	415.21	
40 05 19 00-2168	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,072.03	334.48
			For Class 52 Rating, Deduct	-282.18	
			For Class 54 Rating, Add	192.39	
			For Class 55 Rating, Add	427.63	
40 05 19 00-2169	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,150.82	337.31
			For Class 52 Rating, Deduct	-290.37	
			For Class 54 Rating, Add	197.98	
			For Class 55 Rating, Add	440.04	
40 05 19 00-2170	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,229.59	340.14
			For Class 52 Rating, Deduct	-298.56	
			For Class 54 Rating, Add	203.57	
			For Class 55 Rating, Add	452.46	
40 05 19 00-2171	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,308.38	342.98
			For Class 52 Rating, Deduct	-306.76	
			For Class 54 Rating, Add	209.15	
			For Class 55 Rating, Add	464.88	
40 05 19 00-2172	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,387.16	345.81
			For Class 52 Rating, Deduct	-314.95	
			For Class 54 Rating, Add	214.74	
			For Class 55 Rating, Add	477.30	
40 05 19 00-2173	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,465.95	348.65
			For Class 52 Rating, Deduct	-323.15	
			For Class 54 Rating, Add	220.33	
			For Class 55 Rating, Add	489.71	
40 05 19 00-2174	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,544.73	351.49
			For Class 52 Rating, Deduct	-331.34	
			For Class 54 Rating, Add	225.91	
			For Class 55 Rating, Add	502.13	
40 05 19 00-2175	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,623.51	354.32
			For Class 52 Rating, Deduct	-339.53	
			For Class 54 Rating, Add	231.50	
			For Class 55 Rating, Add	514.55	
40 05 19 00-2176	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,702.30	357.16
			For Class 52 Rating, Deduct	-347.73	
			For Class 54 Rating, Add	237.09	
			For Class 55 Rating, Add	526.96	
40 05 19 00-2177	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,781.08	359.99
			For Class 52 Rating, Deduct	-355.92	
			For Class 54 Rating, Add	242.67	
			For Class 55 Rating, Add	539.38	
40 05 19 00-2178	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,859.86	362.83
			For Class 52 Rating, Deduct	-364.11	
			For Class 54 Rating, Add	248.26	
			For Class 55 Rating, Add	551.80	
40 05 19 00-2179	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,938.64	365.66
			For Class 52 Rating, Deduct	-372.31	
			For Class 54 Rating, Add	253.85	
			For Class 55 Rating, Add	564.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2180	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,017.42	368.50
		<i>For Class 52 Rating, Deduct</i>	-380.50	
		<i>For Class 54 Rating, Add</i>	259.43	
		<i>For Class 55 Rating, Add</i>	576.63	

40 05 19 00-2181 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)

40 05 19 00-2182	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,286.01	317.47
		<i>For Class 52 Rating, Deduct</i>	-88.55	
		<i>For Class 54 Rating, Add</i>	60.37	
		<i>For Class 55 Rating, Add</i>	134.19	
40 05 19 00-2183	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,387.00	320.31
		<i>For Class 52 Rating, Deduct</i>	-99.19	
		<i>For Class 54 Rating, Add</i>	67.63	
		<i>For Class 55 Rating, Add</i>	150.31	
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,488.01	323.14
		<i>For Class 52 Rating, Deduct</i>	-109.82	
		<i>For Class 54 Rating, Add</i>	74.88	
		<i>For Class 55 Rating, Add</i>	166.43	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,589.01	325.98
		<i>For Class 52 Rating, Deduct</i>	-120.46	
		<i>For Class 54 Rating, Add</i>	82.13	
		<i>For Class 55 Rating, Add</i>	182.55	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,690.00	328.81
		<i>For Class 52 Rating, Deduct</i>	-131.10	
		<i>For Class 54 Rating, Add</i>	89.39	
		<i>For Class 55 Rating, Add</i>	198.67	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,790.99	331.65
		<i>For Class 52 Rating, Deduct</i>	-141.74	
		<i>For Class 54 Rating, Add</i>	96.64	
		<i>For Class 55 Rating, Add</i>	214.79	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,891.99	334.48
		<i>For Class 52 Rating, Deduct</i>	-152.37	
		<i>For Class 54 Rating, Add</i>	103.89	
		<i>For Class 55 Rating, Add</i>	230.91	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,992.99	337.31
		<i>For Class 52 Rating, Deduct</i>	-163.01	
		<i>For Class 54 Rating, Add</i>	111.14	
		<i>For Class 55 Rating, Add</i>	247.03	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,093.98	340.14
		<i>For Class 52 Rating, Deduct</i>	-173.65	
		<i>For Class 54 Rating, Add</i>	118.40	
		<i>For Class 55 Rating, Add</i>	263.15	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,194.99	342.98
		<i>For Class 52 Rating, Deduct</i>	-184.29	
		<i>For Class 54 Rating, Add</i>	125.65	
		<i>For Class 55 Rating, Add</i>	279.28	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,295.98	345.81
		<i>For Class 52 Rating, Deduct</i>	-194.92	
		<i>For Class 54 Rating, Add</i>	132.90	
		<i>For Class 55 Rating, Add</i>	295.40	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,396.98	348.65
		<i>For Class 52 Rating, Deduct</i>	-205.56	
		<i>For Class 54 Rating, Add</i>	140.15	
		<i>For Class 55 Rating, Add</i>	311.52	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,497.99	351.49
		<i>For Class 52 Rating, Deduct</i>	-216.20	
		<i>For Class 54 Rating, Add</i>	147.41	
		<i>For Class 55 Rating, Add</i>	327.64	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,598.98	354.32
		<i>For Class 52 Rating, Deduct</i>	-226.83	
		<i>For Class 54 Rating, Add</i>	154.66	
		<i>For Class 55 Rating, Add</i>	343.76	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,699.98	357.16
		<i>For Class 52 Rating, Deduct</i>	-237.47	
		<i>For Class 54 Rating, Add</i>	161.91	
		<i>For Class 55 Rating, Add</i>	359.88	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,800.98	359.99
		<i>For Class 52 Rating, Deduct</i>	-248.11	
		<i>For Class 54 Rating, Add</i>	169.17	
		<i>For Class 55 Rating, Add</i>	376.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,901.98	362.83
			<i>For Class 52 Rating, Deduct</i>	-258.75	
			<i>For Class 54 Rating, Add</i>	176.42	
			<i>For Class 55 Rating, Add</i>	392.12	
40 05 19 00-2199	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,002.97	365.66
			<i>For Class 52 Rating, Deduct</i>	-269.38	
			<i>For Class 54 Rating, Add</i>	183.67	
			<i>For Class 55 Rating, Add</i>	408.24	
40 05 19 00-2200	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,103.97	368.50
			<i>For Class 52 Rating, Deduct</i>	-280.02	
			<i>For Class 54 Rating, Add</i>	190.92	
			<i>For Class 55 Rating, Add</i>	424.36	
40 05 19 00-2201	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,204.96	371.32
			<i>For Class 52 Rating, Deduct</i>	-290.66	
			<i>For Class 54 Rating, Add</i>	198.18	
			<i>For Class 55 Rating, Add</i>	440.48	
40 05 19 00-2202	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,305.96	374.16
			<i>For Class 52 Rating, Deduct</i>	-301.30	
			<i>For Class 54 Rating, Add</i>	205.43	
			<i>For Class 55 Rating, Add</i>	456.60	
40 05 19 00-2203	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,406.97	376.99
			<i>For Class 52 Rating, Deduct</i>	-311.93	
			<i>For Class 54 Rating, Add</i>	212.68	
			<i>For Class 55 Rating, Add</i>	472.72	
40 05 19 00-2204	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,507.96	379.83
			<i>For Class 52 Rating, Deduct</i>	-322.57	
			<i>For Class 54 Rating, Add</i>	219.93	
			<i>For Class 55 Rating, Add</i>	488.84	
40 05 19 00-2205	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,608.96	382.67
			<i>For Class 52 Rating, Deduct</i>	-333.21	
			<i>For Class 54 Rating, Add</i>	227.19	
			<i>For Class 55 Rating, Add</i>	504.96	
40 05 19 00-2206	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,709.96	385.50
			<i>For Class 52 Rating, Deduct</i>	-343.85	
			<i>For Class 54 Rating, Add</i>	234.44	
			<i>For Class 55 Rating, Add</i>	521.08	
40 05 19 00-2207	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,810.96	388.34
			<i>For Class 52 Rating, Deduct</i>	-354.48	
			<i>For Class 54 Rating, Add</i>	241.69	
			<i>For Class 55 Rating, Add</i>	537.20	
40 05 19 00-2208	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,911.95	391.17
			<i>For Class 52 Rating, Deduct</i>	-365.12	
			<i>For Class 54 Rating, Add</i>	248.95	
			<i>For Class 55 Rating, Add</i>	553.32	
40 05 19 00-2209	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,012.96	394.01
			<i>For Class 52 Rating, Deduct</i>	-375.76	
			<i>For Class 54 Rating, Add</i>	256.20	
			<i>For Class 55 Rating, Add</i>	569.44	
40 05 19 00-2210	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,113.95	396.84
			<i>For Class 52 Rating, Deduct</i>	-386.39	
			<i>For Class 54 Rating, Add</i>	263.45	
			<i>For Class 55 Rating, Add</i>	585.56	
40 05 19 00-2211	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,214.95	399.68
			<i>For Class 52 Rating, Deduct</i>	-397.03	
			<i>For Class 54 Rating, Add</i>	270.70	
			<i>For Class 55 Rating, Add</i>	601.68	
40 05 19 00-2212	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,315.95	402.50
			<i>For Class 52 Rating, Deduct</i>	-407.67	
			<i>For Class 54 Rating, Add</i>	277.96	
			<i>For Class 55 Rating, Add</i>	617.80	
40 05 19 00-2213	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,416.95	405.34
			<i>For Class 52 Rating, Deduct</i>	-418.31	
			<i>For Class 54 Rating, Add</i>	285.21	
			<i>For Class 55 Rating, Add</i>	633.93	
40 05 19 00-2214	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,517.94	408.17
			<i>For Class 52 Rating, Deduct</i>	-428.94	
			<i>For Class 54 Rating, Add</i>	292.46	
			<i>For Class 55 Rating, Add</i>	650.04	
40 05 19 00-2215	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,618.93	411.01
			<i>For Class 52 Rating, Deduct</i>	-439.58	
			<i>For Class 54 Rating, Add</i>	299.71	
			<i>For Class 55 Rating, Add</i>	666.16	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2216	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,719.94	413.85
		<i>For Class 52 Rating, Deduct</i>	-450.22	
		<i>For Class 54 Rating, Add</i>	306.97	
		<i>For Class 55 Rating, Add</i>	682.29	
40 05 19 00-2217	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,820.93	416.68
		<i>For Class 52 Rating, Deduct</i>	-460.86	
		<i>For Class 54 Rating, Add</i>	314.22	
		<i>For Class 55 Rating, Add</i>	698.41	
40 05 19 00-2218	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,921.93	419.52
		<i>For Class 52 Rating, Deduct</i>	-471.49	
		<i>For Class 54 Rating, Add</i>	321.47	
		<i>For Class 55 Rating, Add</i>	714.53	
40 05 19 00-2219	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,022.93	422.35
		<i>For Class 52 Rating, Deduct</i>	-482.13	
		<i>For Class 54 Rating, Add</i>	328.73	
		<i>For Class 55 Rating, Add</i>	730.65	
40 05 19 00-2220	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,123.93	425.19
		<i>For Class 52 Rating, Deduct</i>	-492.77	
		<i>For Class 54 Rating, Add</i>	335.98	
		<i>For Class 55 Rating, Add</i>	746.77	

40 05 19 00-2221 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2060)

40 05 19 00-2222	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,672.85	396.84
		<i>For Class 52 Rating, Deduct</i>	-117.87	
		<i>For Class 54 Rating, Add</i>	80.37	
		<i>For Class 55 Rating, Add</i>	178.63	
40 05 19 00-2223	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,797.37	399.68
		<i>For Class 52 Rating, Deduct</i>	-131.10	
		<i>For Class 54 Rating, Add</i>	89.39	
		<i>For Class 55 Rating, Add</i>	198.67	
40 05 19 00-2224	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,921.90	402.50
		<i>For Class 52 Rating, Deduct</i>	-144.32	
		<i>For Class 54 Rating, Add</i>	98.40	
		<i>For Class 55 Rating, Add</i>	218.72	
40 05 19 00-2225	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,046.41	405.34
		<i>For Class 52 Rating, Deduct</i>	-157.55	
		<i>For Class 54 Rating, Add</i>	107.42	
		<i>For Class 55 Rating, Add</i>	238.76	
40 05 19 00-2226	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,170.93	408.17
		<i>For Class 52 Rating, Deduct</i>	-170.77	
		<i>For Class 54 Rating, Add</i>	116.44	
		<i>For Class 55 Rating, Add</i>	258.80	
40 05 19 00-2227	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,295.44	411.01
		<i>For Class 52 Rating, Deduct</i>	-184.00	
		<i>For Class 54 Rating, Add</i>	125.45	
		<i>For Class 55 Rating, Add</i>	278.84	
40 05 19 00-2228	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,419.97	413.85
		<i>For Class 52 Rating, Deduct</i>	-197.22	
		<i>For Class 54 Rating, Add</i>	134.47	
		<i>For Class 55 Rating, Add</i>	298.88	
40 05 19 00-2229	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,544.49	416.68
		<i>For Class 52 Rating, Deduct</i>	-210.45	
		<i>For Class 54 Rating, Add</i>	143.49	
		<i>For Class 55 Rating, Add</i>	318.92	
40 05 19 00-2230	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,669.01	419.52
		<i>For Class 52 Rating, Deduct</i>	-223.67	
		<i>For Class 54 Rating, Add</i>	152.50	
		<i>For Class 55 Rating, Add</i>	338.96	
40 05 19 00-2231	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,793.53	422.35
		<i>For Class 52 Rating, Deduct</i>	-236.90	
		<i>For Class 54 Rating, Add</i>	161.52	
		<i>For Class 55 Rating, Add</i>	359.01	
40 05 19 00-2232	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,918.05	425.19
		<i>For Class 52 Rating, Deduct</i>	-250.12	
		<i>For Class 54 Rating, Add</i>	170.54	
		<i>For Class 55 Rating, Add</i>	379.05	
40 05 19 00-2233	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,042.57	428.02
		<i>For Class 52 Rating, Deduct</i>	-263.35	
		<i>For Class 54 Rating, Add</i>	179.55	
		<i>For Class 55 Rating, Add</i>	399.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2234	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,167.09	430.86
			<i>For Class 52 Rating, Deduct</i>	-276.57	
			<i>For Class 54 Rating, Add</i>	188.57	
			<i>For Class 55 Rating, Add</i>	419.13	
40 05 19 00-2235	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,291.62	433.68
			<i>For Class 52 Rating, Deduct</i>	-289.80	
			<i>For Class 54 Rating, Add</i>	197.59	
			<i>For Class 55 Rating, Add</i>	439.17	
40 05 19 00-2236	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,416.13	436.52
			<i>For Class 52 Rating, Deduct</i>	-303.02	
			<i>For Class 54 Rating, Add</i>	206.60	
			<i>For Class 55 Rating, Add</i>	459.21	
40 05 19 00-2237	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,540.66	439.35
			<i>For Class 52 Rating, Deduct</i>	-316.25	
			<i>For Class 54 Rating, Add</i>	215.62	
			<i>For Class 55 Rating, Add</i>	479.26	
40 05 19 00-2238	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,665.18	442.19
			<i>For Class 52 Rating, Deduct</i>	-329.47	
			<i>For Class 54 Rating, Add</i>	224.64	
			<i>For Class 55 Rating, Add</i>	499.30	
40 05 19 00-2239	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,789.69	445.03
			<i>For Class 52 Rating, Deduct</i>	-342.70	
			<i>For Class 54 Rating, Add</i>	233.66	
			<i>For Class 55 Rating, Add</i>	519.34	
40 05 19 00-2240	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,914.21	447.86
			<i>For Class 52 Rating, Deduct</i>	-355.92	
			<i>For Class 54 Rating, Add</i>	242.67	
			<i>For Class 55 Rating, Add</i>	539.38	
40 05 19 00-2241	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,038.73	450.70
			<i>For Class 52 Rating, Deduct</i>	-369.14	
			<i>For Class 54 Rating, Add</i>	251.69	
			<i>For Class 55 Rating, Add</i>	559.42	
40 05 19 00-2242	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,163.25	453.53
			<i>For Class 52 Rating, Deduct</i>	-382.37	
			<i>For Class 54 Rating, Add</i>	260.71	
			<i>For Class 55 Rating, Add</i>	579.46	
40 05 19 00-2243	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,287.77	456.37
			<i>For Class 52 Rating, Deduct</i>	-395.59	
			<i>For Class 54 Rating, Add</i>	269.72	
			<i>For Class 55 Rating, Add</i>	599.50	
40 05 19 00-2244	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,412.30	459.20
			<i>For Class 52 Rating, Deduct</i>	-408.82	
			<i>For Class 54 Rating, Add</i>	278.74	
			<i>For Class 55 Rating, Add</i>	619.55	
40 05 19 00-2245	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,536.81	462.04
			<i>For Class 52 Rating, Deduct</i>	-422.04	
			<i>For Class 54 Rating, Add</i>	287.76	
			<i>For Class 55 Rating, Add</i>	639.59	
40 05 19 00-2246	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,660.03	464.87
			<i>For Class 52 Rating, Deduct</i>	-435.12	
			<i>For Class 54 Rating, Add</i>	296.68	
			<i>For Class 55 Rating, Add</i>	659.41	
40 05 19 00-2247	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,785.86	467.70
			<i>For Class 52 Rating, Deduct</i>	-448.49	
			<i>For Class 54 Rating, Add</i>	305.79	
			<i>For Class 55 Rating, Add</i>	679.67	
40 05 19 00-2248	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,910.38	470.53
			<i>For Class 52 Rating, Deduct</i>	-461.72	
			<i>For Class 54 Rating, Add</i>	314.81	
			<i>For Class 55 Rating, Add</i>	699.71	
40 05 19 00-2249	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,034.90	473.37
			<i>For Class 52 Rating, Deduct</i>	-474.94	
			<i>For Class 54 Rating, Add</i>	323.83	
			<i>For Class 55 Rating, Add</i>	719.76	
40 05 19 00-2250	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,159.42	476.21
			<i>For Class 52 Rating, Deduct</i>	-488.17	
			<i>For Class 54 Rating, Add</i>	332.84	
			<i>For Class 55 Rating, Add</i>	739.80	
40 05 19 00-2251	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,283.94	479.04
			<i>For Class 52 Rating, Deduct</i>	-501.39	
			<i>For Class 54 Rating, Add</i>	341.86	
			<i>For Class 55 Rating, Add</i>	759.84	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,408.46	481.88
		<i>For Class 52 Rating, Deduct</i>	-514.62	
		<i>For Class 54 Rating, Add</i>	350.88	
		<i>For Class 55 Rating, Add</i>	779.88	
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,532.98	484.71
		<i>For Class 52 Rating, Deduct</i>	-527.84	
		<i>For Class 54 Rating, Add</i>	359.89	
		<i>For Class 55 Rating, Add</i>	799.92	
40 05 19 00-2254	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,657.50	487.55
		<i>For Class 52 Rating, Deduct</i>	-541.07	
		<i>For Class 54 Rating, Add</i>	368.91	
		<i>For Class 55 Rating, Add</i>	819.96	
40 05 19 00-2255	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,782.02	490.38
		<i>For Class 52 Rating, Deduct</i>	-554.29	
		<i>For Class 54 Rating, Add</i>	377.93	
		<i>For Class 55 Rating, Add</i>	840.00	
40 05 19 00-2256	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,906.54	493.22
		<i>For Class 52 Rating, Deduct</i>	-567.52	
		<i>For Class 54 Rating, Add</i>	386.94	
		<i>For Class 55 Rating, Add</i>	860.05	
40 05 19 00-2257	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,031.06	496.05
		<i>For Class 52 Rating, Deduct</i>	-580.74	
		<i>For Class 54 Rating, Add</i>	395.96	
		<i>For Class 55 Rating, Add</i>	880.09	
40 05 19 00-2258	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,155.58	498.88
		<i>For Class 52 Rating, Deduct</i>	-593.97	
		<i>For Class 54 Rating, Add</i>	404.98	
		<i>For Class 55 Rating, Add</i>	900.13	
40 05 19 00-2259	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,280.10	501.71
		<i>For Class 52 Rating, Deduct</i>	-607.19	
		<i>For Class 54 Rating, Add</i>	413.99	
		<i>For Class 55 Rating, Add</i>	920.17	
40 05 19 00-2260	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,404.62	504.55
		<i>For Class 52 Rating, Deduct</i>	-620.42	
		<i>For Class 54 Rating, Add</i>	423.01	
		<i>For Class 55 Rating, Add</i>	940.21	
40 05 19 00-2261		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2262	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.59	476.21
		<i>For Class 52 Rating, Deduct</i>	-164.02	
		<i>For Class 54 Rating, Add</i>	111.83	
		<i>For Class 55 Rating, Add</i>	248.56	
40 05 19 00-2263	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,363.24	479.04
		<i>For Class 52 Rating, Deduct</i>	-180.12	
		<i>For Class 54 Rating, Add</i>	122.81	
		<i>For Class 55 Rating, Add</i>	272.96	
40 05 19 00-2264	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,513.90	481.88
		<i>For Class 52 Rating, Deduct</i>	-196.22	
		<i>For Class 54 Rating, Add</i>	133.78	
		<i>For Class 55 Rating, Add</i>	297.36	
40 05 19 00-2265	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,664.55	484.71
		<i>For Class 52 Rating, Deduct</i>	-212.32	
		<i>For Class 54 Rating, Add</i>	144.76	
		<i>For Class 55 Rating, Add</i>	321.75	
40 05 19 00-2266	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,815.21	487.55
		<i>For Class 52 Rating, Deduct</i>	-228.42	
		<i>For Class 54 Rating, Add</i>	155.74	
		<i>For Class 55 Rating, Add</i>	346.15	
40 05 19 00-2267	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,965.87	490.38
		<i>For Class 52 Rating, Deduct</i>	-244.52	
		<i>For Class 54 Rating, Add</i>	166.72	
		<i>For Class 55 Rating, Add</i>	370.55	
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,116.52	493.22
		<i>For Class 52 Rating, Deduct</i>	-260.62	
		<i>For Class 54 Rating, Add</i>	177.69	
		<i>For Class 55 Rating, Add</i>	394.95	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,267.18	496.05
		<i>For Class 52 Rating, Deduct</i>	-276.71	
		<i>For Class 54 Rating, Add</i>	188.67	
		<i>For Class 55 Rating, Add</i>	419.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2270	EA		14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,417.83	498.88
			For Class 52 Rating, Deduct	-292.81	
			For Class 54 Rating, Add	199.65	
			For Class 55 Rating, Add	443.75	
40 05 19 00-2271	EA		14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,568.49	501.71
			For Class 52 Rating, Deduct	-308.91	
			For Class 54 Rating, Add	210.62	
			For Class 55 Rating, Add	468.15	
40 05 19 00-2272	EA		14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,719.14	504.55
			For Class 52 Rating, Deduct	-325.01	
			For Class 54 Rating, Add	221.60	
			For Class 55 Rating, Add	492.54	
40 05 19 00-2273	EA		14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,869.81	507.39
			For Class 52 Rating, Deduct	-341.11	
			For Class 54 Rating, Add	232.58	
			For Class 55 Rating, Add	516.94	
40 05 19 00-2274	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,020.47	510.22
			For Class 52 Rating, Deduct	-357.21	
			For Class 54 Rating, Add	243.56	
			For Class 55 Rating, Add	541.34	
40 05 19 00-2275	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,171.12	513.06
			For Class 52 Rating, Deduct	-373.31	
			For Class 54 Rating, Add	254.53	
			For Class 55 Rating, Add	565.74	
40 05 19 00-2276	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,321.78	515.89
			For Class 52 Rating, Deduct	-389.41	
			For Class 54 Rating, Add	265.51	
			For Class 55 Rating, Add	590.14	
40 05 19 00-2277	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,472.43	518.73
			For Class 52 Rating, Deduct	-405.51	
			For Class 54 Rating, Add	276.49	
			For Class 55 Rating, Add	614.54	
40 05 19 00-2278	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,623.09	521.56
			For Class 52 Rating, Deduct	-421.61	
			For Class 54 Rating, Add	287.46	
			For Class 55 Rating, Add	638.93	
40 05 19 00-2279	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,773.74	524.40
			For Class 52 Rating, Deduct	-437.71	
			For Class 54 Rating, Add	298.44	
			For Class 55 Rating, Add	663.33	
40 05 19 00-2280	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,924.40	527.23
			For Class 52 Rating, Deduct	-453.81	
			For Class 54 Rating, Add	309.42	
			For Class 55 Rating, Add	687.73	
40 05 19 00-2281	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,075.05	530.06
			For Class 52 Rating, Deduct	-469.91	
			For Class 54 Rating, Add	320.39	
			For Class 55 Rating, Add	712.13	
40 05 19 00-2282	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,225.71	532.89
			For Class 52 Rating, Deduct	-486.01	
			For Class 54 Rating, Add	331.37	
			For Class 55 Rating, Add	736.53	
40 05 19 00-2283	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,376.36	535.73
			For Class 52 Rating, Deduct	-502.11	
			For Class 54 Rating, Add	342.35	
			For Class 55 Rating, Add	760.93	
40 05 19 00-2284	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,527.02	538.57
			For Class 52 Rating, Deduct	-518.21	
			For Class 54 Rating, Add	353.33	
			For Class 55 Rating, Add	785.33	
40 05 19 00-2285	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,677.69	541.40
			For Class 52 Rating, Deduct	-534.31	
			For Class 54 Rating, Add	364.30	
			For Class 55 Rating, Add	809.73	
40 05 19 00-2286	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,828.34	544.24
			For Class 52 Rating, Deduct	-550.41	
			For Class 54 Rating, Add	375.28	
			For Class 55 Rating, Add	834.12	
40 05 19 00-2287	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,979.00	547.07
			For Class 52 Rating, Deduct	-566.51	
			For Class 54 Rating, Add	386.26	
			For Class 55 Rating, Add	858.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-2288	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,129.65	549.91
		<i>For Class 52 Rating, Deduct</i>	-582.61	
		<i>For Class 54 Rating, Add</i>	397.23	
		<i>For Class 55 Rating, Add</i>	882.92	
40 05 19 00-2289	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,280.31	552.74
		<i>For Class 52 Rating, Deduct</i>	-598.71	
		<i>For Class 54 Rating, Add</i>	408.21	
		<i>For Class 55 Rating, Add</i>	907.32	
40 05 19 00-2290	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,430.96	555.58
		<i>For Class 52 Rating, Deduct</i>	-614.81	
		<i>For Class 54 Rating, Add</i>	419.19	
		<i>For Class 55 Rating, Add</i>	931.72	
40 05 19 00-2291	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,581.63	558.41
		<i>For Class 52 Rating, Deduct</i>	-630.91	
		<i>For Class 54 Rating, Add</i>	430.17	
		<i>For Class 55 Rating, Add</i>	956.12	
40 05 19 00-2292	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,732.27	561.25
		<i>For Class 52 Rating, Deduct</i>	-647.01	
		<i>For Class 54 Rating, Add</i>	441.14	
		<i>For Class 55 Rating, Add</i>	980.51	
40 05 19 00-2293	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,882.93	564.07
		<i>For Class 52 Rating, Deduct</i>	-663.11	
		<i>For Class 54 Rating, Add</i>	452.12	
		<i>For Class 55 Rating, Add</i>	1,004.91	
40 05 19 00-2294	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,033.59	566.91
		<i>For Class 52 Rating, Deduct</i>	-679.21	
		<i>For Class 54 Rating, Add</i>	463.10	
		<i>For Class 55 Rating, Add</i>	1,029.31	
40 05 19 00-2295	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,184.24	569.75
		<i>For Class 52 Rating, Deduct</i>	-695.31	
		<i>For Class 54 Rating, Add</i>	474.07	
		<i>For Class 55 Rating, Add</i>	1,053.71	
40 05 19 00-2296	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,334.90	572.58
		<i>For Class 52 Rating, Deduct</i>	-711.41	
		<i>For Class 54 Rating, Add</i>	485.05	
		<i>For Class 55 Rating, Add</i>	1,078.11	
40 05 19 00-2297	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,485.55	575.42
		<i>For Class 52 Rating, Deduct</i>	-727.51	
		<i>For Class 54 Rating, Add</i>	496.03	
		<i>For Class 55 Rating, Add</i>	1,102.51	
40 05 19 00-2298	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,636.22	578.25
		<i>For Class 52 Rating, Deduct</i>	-743.61	
		<i>For Class 54 Rating, Add</i>	507.01	
		<i>For Class 55 Rating, Add</i>	1,126.91	
40 05 19 00-2299	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,786.87	581.09
		<i>For Class 52 Rating, Deduct</i>	-759.71	
		<i>For Class 54 Rating, Add</i>	517.98	
		<i>For Class 55 Rating, Add</i>	1,151.30	

40 05 19 00-2300 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)

40 05 19 00-2301	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,588.78	544.24
		<i>For Class 52 Rating, Deduct</i>	-194.06	
		<i>For Class 54 Rating, Add</i>	132.31	
		<i>For Class 55 Rating, Add</i>	294.09	
40 05 19 00-2302	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,762.96	547.07
		<i>For Class 52 Rating, Deduct</i>	-212.75	
		<i>For Class 54 Rating, Add</i>	145.05	
		<i>For Class 55 Rating, Add</i>	322.41	
40 05 19 00-2303	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,937.14	549.91
		<i>For Class 52 Rating, Deduct</i>	-231.43	
		<i>For Class 54 Rating, Add</i>	157.80	
		<i>For Class 55 Rating, Add</i>	350.73	
40 05 19 00-2304	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,111.32	552.74
		<i>For Class 52 Rating, Deduct</i>	-250.12	
		<i>For Class 54 Rating, Add</i>	170.54	
		<i>For Class 55 Rating, Add</i>	379.05	
40 05 19 00-2305	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,285.50	555.58
		<i>For Class 52 Rating, Deduct</i>	-268.81	
		<i>For Class 54 Rating, Add</i>	183.28	
		<i>For Class 55 Rating, Add</i>	407.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,459.68	558.41
			For Class 52 Rating, Deduct	-287.50	
			For Class 54 Rating, Add	196.02	
			For Class 55 Rating, Add	435.69	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,633.84	561.25
			For Class 52 Rating, Deduct	-306.18	
			For Class 54 Rating, Add	208.76	
			For Class 55 Rating, Add	464.01	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,808.03	564.07
			For Class 52 Rating, Deduct	-324.87	
			For Class 54 Rating, Add	221.50	
			For Class 55 Rating, Add	492.33	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,982.21	566.91
			For Class 52 Rating, Deduct	-343.56	
			For Class 54 Rating, Add	234.24	
			For Class 55 Rating, Add	520.65	
40 05 19 00-2310	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,156.39	569.75
			For Class 52 Rating, Deduct	-362.25	
			For Class 54 Rating, Add	246.99	
			For Class 55 Rating, Add	548.97	
40 05 19 00-2311	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,330.57	572.58
			For Class 52 Rating, Deduct	-380.93	
			For Class 54 Rating, Add	259.73	
			For Class 55 Rating, Add	577.29	
40 05 19 00-2312	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,504.74	575.42
			For Class 52 Rating, Deduct	-399.62	
			For Class 54 Rating, Add	272.47	
			For Class 55 Rating, Add	605.60	
40 05 19 00-2313	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,678.93	578.25
			For Class 52 Rating, Deduct	-418.31	
			For Class 54 Rating, Add	285.21	
			For Class 55 Rating, Add	633.93	
40 05 19 00-2314	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,853.10	581.09
			For Class 52 Rating, Deduct	-436.99	
			For Class 54 Rating, Add	297.95	
			For Class 55 Rating, Add	662.24	
40 05 19 00-2315	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,027.29	583.92
			For Class 52 Rating, Deduct	-455.68	
			For Class 54 Rating, Add	310.69	
			For Class 55 Rating, Add	690.56	
40 05 19 00-2316	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,201.46	586.76
			For Class 52 Rating, Deduct	-474.37	
			For Class 54 Rating, Add	323.43	
			For Class 55 Rating, Add	718.88	
40 05 19 00-2317	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,375.64	589.59
			For Class 52 Rating, Deduct	-493.06	
			For Class 54 Rating, Add	336.17	
			For Class 55 Rating, Add	747.20	
40 05 19 00-2318	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,549.83	592.43
			For Class 52 Rating, Deduct	-511.74	
			For Class 54 Rating, Add	348.92	
			For Class 55 Rating, Add	775.52	
40 05 19 00-2319	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,724.00	595.25
			For Class 52 Rating, Deduct	-530.43	
			For Class 54 Rating, Add	361.66	
			For Class 55 Rating, Add	803.84	
40 05 19 00-2320	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,898.19	598.09
			For Class 52 Rating, Deduct	-549.12	
			For Class 54 Rating, Add	374.40	
			For Class 55 Rating, Add	832.16	
40 05 19 00-2321	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,072.35	600.93
			For Class 52 Rating, Deduct	-567.80	
			For Class 54 Rating, Add	387.14	
			For Class 55 Rating, Add	860.48	
40 05 19 00-2322	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,246.53	603.76
			For Class 52 Rating, Deduct	-586.49	
			For Class 54 Rating, Add	399.88	
			For Class 55 Rating, Add	888.80	
40 05 19 00-2323	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,420.71	606.60
			For Class 52 Rating, Deduct	-605.18	
			For Class 54 Rating, Add	412.62	
			For Class 55 Rating, Add	917.12	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,594.89	609.43
			<i>For Class 52 Rating, Deduct</i>	-623.87	
			<i>For Class 54 Rating, Add</i>	425.36	
			<i>For Class 55 Rating, Add</i>	945.44	
40 05 19 00-2325	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,769.07	612.27
			<i>For Class 52 Rating, Deduct</i>	-642.55	
			<i>For Class 54 Rating, Add</i>	438.11	
			<i>For Class 55 Rating, Add</i>	973.76	
40 05 19 00-2326	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,943.25	615.10
			<i>For Class 52 Rating, Deduct</i>	-661.24	
			<i>For Class 54 Rating, Add</i>	450.85	
			<i>For Class 55 Rating, Add</i>	1,002.08	
40 05 19 00-2327	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,117.43	617.94
			<i>For Class 52 Rating, Deduct</i>	-679.93	
			<i>For Class 54 Rating, Add</i>	463.59	
			<i>For Class 55 Rating, Add</i>	1,030.40	
40 05 19 00-2328	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,291.61	620.77
			<i>For Class 52 Rating, Deduct</i>	-698.62	
			<i>For Class 54 Rating, Add</i>	476.33	
			<i>For Class 55 Rating, Add</i>	1,058.72	
40 05 19 00-2329	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,465.79	623.61
			<i>For Class 52 Rating, Deduct</i>	-717.30	
			<i>For Class 54 Rating, Add</i>	489.07	
			<i>For Class 55 Rating, Add</i>	1,087.04	
40 05 19 00-2330	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,639.97	626.43
			<i>For Class 52 Rating, Deduct</i>	-735.99	
			<i>For Class 54 Rating, Add</i>	501.81	
			<i>For Class 55 Rating, Add</i>	1,115.36	
40 05 19 00-2331	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,814.15	629.27
			<i>For Class 52 Rating, Deduct</i>	-754.68	
			<i>For Class 54 Rating, Add</i>	514.55	
			<i>For Class 55 Rating, Add</i>	1,143.68	
40 05 19 00-2332	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,988.32	632.11
			<i>For Class 52 Rating, Deduct</i>	-773.36	
			<i>For Class 54 Rating, Add</i>	527.29	
			<i>For Class 55 Rating, Add</i>	1,172.00	
40 05 19 00-2333	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,162.51	634.94
			<i>For Class 52 Rating, Deduct</i>	-792.05	
			<i>For Class 54 Rating, Add</i>	540.04	
			<i>For Class 55 Rating, Add</i>	1,200.32	
40 05 19 00-2334	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,336.68	637.78
			<i>For Class 52 Rating, Deduct</i>	-810.74	
			<i>For Class 54 Rating, Add</i>	552.78	
			<i>For Class 55 Rating, Add</i>	1,228.64	
40 05 19 00-2335	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,510.86	640.61
			<i>For Class 52 Rating, Deduct</i>	-829.43	
			<i>For Class 54 Rating, Add</i>	565.52	
			<i>For Class 55 Rating, Add</i>	1,256.96	
40 05 19 00-2336	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,685.03	643.45
			<i>For Class 52 Rating, Deduct</i>	-848.11	
			<i>For Class 54 Rating, Add</i>	578.26	
			<i>For Class 55 Rating, Add</i>	1,285.28	
40 05 19 00-2337	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,859.21	646.28
			<i>For Class 52 Rating, Deduct</i>	-866.80	
			<i>For Class 54 Rating, Add</i>	591.00	
			<i>For Class 55 Rating, Add</i>	1,313.60	
40 05 19 00-2338	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,033.40	649.12
			<i>For Class 52 Rating, Deduct</i>	-885.49	
			<i>For Class 54 Rating, Add</i>	603.74	
			<i>For Class 55 Rating, Add</i>	1,341.92	
40 05 19 00-2339			18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2340	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,007.21	613.40
			<i>For Class 52 Rating, Deduct</i>	-228.56	
			<i>For Class 54 Rating, Add</i>	155.84	
			<i>For Class 55 Rating, Add</i>	346.37	
40 05 19 00-2341	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,207.51	616.24
			<i>For Class 52 Rating, Deduct</i>	-250.12	
			<i>For Class 54 Rating, Add</i>	170.54	
			<i>For Class 55 Rating, Add</i>	379.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2342	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,407.83	619.07
			For Class 52 Rating, Deduct	-271.68	
			For Class 54 Rating, Add	185.24	
			For Class 55 Rating, Add	411.72	
40 05 19 00-2343	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,608.15	621.90
			For Class 52 Rating, Deduct	-293.25	
			For Class 54 Rating, Add	199.94	
			For Class 55 Rating, Add	444.40	
40 05 19 00-2344	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	3,808.46	624.73
			For Class 52 Rating, Deduct	-314.81	
			For Class 54 Rating, Add	214.64	
			For Class 55 Rating, Add	477.08	
40 05 19 00-2345	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,008.78	627.57
			For Class 52 Rating, Deduct	-336.37	
			For Class 54 Rating, Add	229.34	
			For Class 55 Rating, Add	509.75	
40 05 19 00-2346	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,209.09	630.41
			For Class 52 Rating, Deduct	-357.93	
			For Class 54 Rating, Add	244.04	
			For Class 55 Rating, Add	542.43	
40 05 19 00-2347	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,409.41	633.24
			For Class 52 Rating, Deduct	-379.49	
			For Class 54 Rating, Add	258.75	
			For Class 55 Rating, Add	575.11	
40 05 19 00-2348	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,609.72	636.08
			For Class 52 Rating, Deduct	-401.06	
			For Class 54 Rating, Add	273.45	
			For Class 55 Rating, Add	607.78	
40 05 19 00-2349	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	4,810.04	638.91
			For Class 52 Rating, Deduct	-422.62	
			For Class 54 Rating, Add	288.15	
			For Class 55 Rating, Add	640.46	
40 05 19 00-2350	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	5,010.35	641.75
			For Class 52 Rating, Deduct	-444.18	
			For Class 54 Rating, Add	302.85	
			For Class 55 Rating, Add	673.14	
40 05 19 00-2351	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	5,210.67	644.58
			For Class 52 Rating, Deduct	-465.74	
			For Class 54 Rating, Add	317.55	
			For Class 55 Rating, Add	705.81	
40 05 19 00-2352	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	5,410.98	647.42
			For Class 52 Rating, Deduct	-487.31	
			For Class 54 Rating, Add	332.25	
			For Class 55 Rating, Add	738.49	
40 05 19 00-2353	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	5,611.30	650.25
			For Class 52 Rating, Deduct	-508.87	
			For Class 54 Rating, Add	346.96	
			For Class 55 Rating, Add	771.17	
40 05 19 00-2354	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	5,811.62	653.08
			For Class 52 Rating, Deduct	-530.43	
			For Class 54 Rating, Add	361.66	
			For Class 55 Rating, Add	803.84	
40 05 19 00-2355	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	6,011.92	655.91
			For Class 52 Rating, Deduct	-551.99	
			For Class 54 Rating, Add	376.36	
			For Class 55 Rating, Add	836.52	
40 05 19 00-2356	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	6,212.24	658.75
			For Class 52 Rating, Deduct	-573.55	
			For Class 54 Rating, Add	391.06	
			For Class 55 Rating, Add	869.20	
40 05 19 00-2357	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
			Pipe	6,412.55	661.59
			For Class 52 Rating, Deduct	-595.12	
			For Class 54 Rating, Add	405.76	
			For Class 55 Rating, Add	901.87	
40 05 19 00-2358	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Pipe	6,612.87	664.42
			For Class 52 Rating, Deduct	-616.68	
			For Class 54 Rating, Add	420.46	
			For Class 55 Rating, Add	934.55	
40 05 19 00-2359	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			Pipe	6,813.18	667.26
			For Class 52 Rating, Deduct	-638.24	
			For Class 54 Rating, Add	435.16	
			For Class 55 Rating, Add	967.23	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2360	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,013.50	670.09
			<i>For Class 52 Rating, Deduct</i>	-659.80	
			<i>For Class 54 Rating, Add</i>	449.87	
			<i>For Class 55 Rating, Add</i>	999.90	
40 05 19 00-2361	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.81	672.93
			<i>For Class 52 Rating, Deduct</i>	-681.37	
			<i>For Class 54 Rating, Add</i>	464.57	
			<i>For Class 55 Rating, Add</i>	1,032.58	
40 05 19 00-2362	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,414.13	675.76
			<i>For Class 52 Rating, Deduct</i>	-702.93	
			<i>For Class 54 Rating, Add</i>	479.27	
			<i>For Class 55 Rating, Add</i>	1,065.25	
40 05 19 00-2363	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,614.45	678.60
			<i>For Class 52 Rating, Deduct</i>	-724.49	
			<i>For Class 54 Rating, Add</i>	493.97	
			<i>For Class 55 Rating, Add</i>	1,097.93	
40 05 19 00-2364	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,814.76	681.43
			<i>For Class 52 Rating, Deduct</i>	-746.05	
			<i>For Class 54 Rating, Add</i>	508.67	
			<i>For Class 55 Rating, Add</i>	1,130.61	
40 05 19 00-2365	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,015.08	684.26
			<i>For Class 52 Rating, Deduct</i>	-767.61	
			<i>For Class 54 Rating, Add</i>	523.37	
			<i>For Class 55 Rating, Add</i>	1,163.28	
40 05 19 00-2366	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,215.39	687.09
			<i>For Class 52 Rating, Deduct</i>	-789.18	
			<i>For Class 54 Rating, Add</i>	538.07	
			<i>For Class 55 Rating, Add</i>	1,195.96	
40 05 19 00-2367	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,415.71	689.93
			<i>For Class 52 Rating, Deduct</i>	-810.74	
			<i>For Class 54 Rating, Add</i>	552.78	
			<i>For Class 55 Rating, Add</i>	1,228.64	
40 05 19 00-2368	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,616.01	692.77
			<i>For Class 52 Rating, Deduct</i>	-832.30	
			<i>For Class 54 Rating, Add</i>	567.48	
			<i>For Class 55 Rating, Add</i>	1,261.31	
40 05 19 00-2369	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,816.33	695.60
			<i>For Class 52 Rating, Deduct</i>	-853.86	
			<i>For Class 54 Rating, Add</i>	582.18	
			<i>For Class 55 Rating, Add</i>	1,293.99	
40 05 19 00-2370	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,016.64	698.44
			<i>For Class 52 Rating, Deduct</i>	-875.43	
			<i>For Class 54 Rating, Add</i>	596.88	
			<i>For Class 55 Rating, Add</i>	1,326.67	
40 05 19 00-2371	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,216.96	701.27
			<i>For Class 52 Rating, Deduct</i>	-896.99	
			<i>For Class 54 Rating, Add</i>	611.58	
			<i>For Class 55 Rating, Add</i>	1,359.34	
40 05 19 00-2372	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,417.28	704.11
			<i>For Class 52 Rating, Deduct</i>	-918.55	
			<i>For Class 54 Rating, Add</i>	626.28	
			<i>For Class 55 Rating, Add</i>	1,392.02	
40 05 19 00-2373	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,617.59	706.94
			<i>For Class 52 Rating, Deduct</i>	-940.11	
			<i>For Class 54 Rating, Add</i>	640.99	
			<i>For Class 55 Rating, Add</i>	1,424.70	
40 05 19 00-2374	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,817.91	709.78
			<i>For Class 52 Rating, Deduct</i>	-961.67	
			<i>For Class 54 Rating, Add</i>	655.69	
			<i>For Class 55 Rating, Add</i>	1,457.37	
40 05 19 00-2375	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,018.22	712.61
			<i>For Class 52 Rating, Deduct</i>	-983.24	
			<i>For Class 54 Rating, Add</i>	670.39	
			<i>For Class 55 Rating, Add</i>	1,490.05	
40 05 19 00-2376	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,218.54	715.44
			<i>For Class 52 Rating, Deduct</i>	-1,004.80	
			<i>For Class 54 Rating, Add</i>	685.09	
			<i>For Class 55 Rating, Add</i>	1,522.73	
40 05 19 00-2377	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,418.85	718.27
			<i>For Class 52 Rating, Deduct</i>	-1,026.36	
			<i>For Class 54 Rating, Add</i>	699.79	
			<i>For Class 55 Rating, Add</i>	1,555.40	

MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2378	20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2379	EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,511.07 -269.53 183.77 408.46	700.14
40 05 19 00-2380	EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,738.82 -294.11 200.53 445.71	702.97
40 05 19 00-2381	EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	3,966.59 -318.69 217.29 482.96	705.81
40 05 19 00-2382	EA 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,194.34 -343.27 234.05 520.21	708.64
40 05 19 00-2383	EA 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,422.10 -367.85 250.81 557.46	711.48
40 05 19 00-2384	EA 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,649.85 -392.43 267.57 594.71	714.31
40 05 19 00-2385	EA 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	4,877.61 -417.01 284.33 631.96	717.15
40 05 19 00-2386	EA 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,105.36 -441.59 301.09 669.22	719.98
40 05 19 00-2387	EA 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,333.12 -466.17 317.85 706.47	722.81
40 05 19 00-2388	EA 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,560.89 -490.76 334.61 743.72	725.64
40 05 19 00-2389	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	5,788.64 -515.34 351.37 780.97	728.48
40 05 19 00-2390	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,016.40 -539.92 368.13 818.22	731.32
40 05 19 00-2391	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,244.15 -564.50 384.89 855.47	734.15
40 05 19 00-2392	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,471.92 -589.08 401.65 892.72	736.99
40 05 19 00-2393	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,699.67 -613.66 418.40 929.97	739.82
40 05 19 00-2394	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	6,927.43 -638.24 435.16 967.23	742.66
40 05 19 00-2395	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <i>For Class 52 Rating, Deduct</i> <i>For Class 54 Rating, Add</i> <i>For Class 55 Rating, Add</i>	7,155.18 -662.82 451.92 1,004.48	745.49

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2396	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,382.95	748.33
			For Class 52 Rating, Deduct	-687.40	
			For Class 54 Rating, Add	468.68	
			For Class 55 Rating, Add	1,041.73	
40 05 19 00-2397	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,610.71	751.16
			For Class 52 Rating, Deduct	-711.98	
			For Class 54 Rating, Add	485.44	
			For Class 55 Rating, Add	1,078.98	
40 05 19 00-2398	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,838.46	753.99
			For Class 52 Rating, Deduct	-736.56	
			For Class 54 Rating, Add	502.20	
			For Class 55 Rating, Add	1,116.23	
40 05 19 00-2399	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,066.22	756.82
			For Class 52 Rating, Deduct	-761.15	
			For Class 54 Rating, Add	518.96	
			For Class 55 Rating, Add	1,153.48	
40 05 19 00-2400	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,293.97	759.66
			For Class 52 Rating, Deduct	-785.73	
			For Class 54 Rating, Add	535.72	
			For Class 55 Rating, Add	1,190.73	
40 05 19 00-2401	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,521.73	762.50
			For Class 52 Rating, Deduct	-810.31	
			For Class 54 Rating, Add	552.48	
			For Class 55 Rating, Add	1,227.98	
40 05 19 00-2402	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,749.48	765.33
			For Class 52 Rating, Deduct	-834.89	
			For Class 54 Rating, Add	569.24	
			For Class 55 Rating, Add	1,265.23	
40 05 19 00-2403	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,977.25	768.17
			For Class 52 Rating, Deduct	-859.47	
			For Class 54 Rating, Add	586.00	
			For Class 55 Rating, Add	1,302.49	
40 05 19 00-2404	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,205.00	771.00
			For Class 52 Rating, Deduct	-884.05	
			For Class 54 Rating, Add	602.76	
			For Class 55 Rating, Add	1,339.74	
40 05 19 00-2405	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,432.76	773.84
			For Class 52 Rating, Deduct	-908.63	
			For Class 54 Rating, Add	619.52	
			For Class 55 Rating, Add	1,376.99	
40 05 19 00-2406	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,660.52	776.67
			For Class 52 Rating, Deduct	-933.21	
			For Class 54 Rating, Add	636.28	
			For Class 55 Rating, Add	1,414.24	
40 05 19 00-2407	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,888.28	779.51
			For Class 52 Rating, Deduct	-957.79	
			For Class 54 Rating, Add	653.04	
			For Class 55 Rating, Add	1,451.49	
40 05 19 00-2408	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,116.04	782.34
			For Class 52 Rating, Deduct	-982.37	
			For Class 54 Rating, Add	669.80	
			For Class 55 Rating, Add	1,488.74	
40 05 19 00-2409	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,343.79	785.18
			For Class 52 Rating, Deduct	-1,006.95	
			For Class 54 Rating, Add	686.56	
			For Class 55 Rating, Add	1,525.99	
40 05 19 00-2410	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,571.56	788.00
			For Class 52 Rating, Deduct	-1,031.54	
			For Class 54 Rating, Add	703.32	
			For Class 55 Rating, Add	1,563.25	
40 05 19 00-2411	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,799.31	790.84
			For Class 52 Rating, Deduct	-1,056.12	
			For Class 54 Rating, Add	720.08	
			For Class 55 Rating, Add	1,600.50	
40 05 19 00-2412	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,027.06	793.68
			For Class 52 Rating, Deduct	-1,080.70	
			For Class 54 Rating, Add	736.84	
			For Class 55 Rating, Add	1,637.75	
40 05 19 00-2413	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,254.82	796.51
			For Class 52 Rating, Deduct	-1,105.28	
			For Class 54 Rating, Add	753.60	
			For Class 55 Rating, Add	1,675.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2414	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,482.58	799.35
			For Class 52 Rating, Deduct	-1,129.86	
			For Class 54 Rating, Add	770.36	
			For Class 55 Rating, Add	1,712.25	
40 05 19 00-2415	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,710.33	802.18
			For Class 52 Rating, Deduct	-1,154.44	
			For Class 54 Rating, Add	787.12	
			For Class 55 Rating, Add	1,749.50	
40 05 19 00-2416	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,938.09	805.02
			For Class 52 Rating, Deduct	-1,179.02	
			For Class 54 Rating, Add	803.88	
			For Class 55 Rating, Add	1,786.75	
40 05 19 00-2417			24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2418	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,311.99	827.69
			For Class 52 Rating, Deduct	-336.37	
			For Class 54 Rating, Add	229.34	
			For Class 55 Rating, Add	509.75	
40 05 19 00-2419	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.33	830.53
			For Class 52 Rating, Deduct	-366.84	
			For Class 54 Rating, Add	250.12	
			For Class 55 Rating, Add	555.94	
40 05 19 00-2420	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,874.67	833.36
			For Class 52 Rating, Deduct	-397.32	
			For Class 54 Rating, Add	270.90	
			For Class 55 Rating, Add	602.12	
40 05 19 00-2421	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,156.00	836.20
			For Class 52 Rating, Deduct	-427.79	
			For Class 54 Rating, Add	291.68	
			For Class 55 Rating, Add	648.30	
40 05 19 00-2422	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,437.34	839.03
			For Class 52 Rating, Deduct	-458.27	
			For Class 54 Rating, Add	312.46	
			For Class 55 Rating, Add	694.49	
40 05 19 00-2423	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,718.67	841.87
			For Class 52 Rating, Deduct	-488.74	
			For Class 54 Rating, Add	333.23	
			For Class 55 Rating, Add	740.67	
40 05 19 00-2424	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,000.01	844.70
			For Class 52 Rating, Deduct	-519.22	
			For Class 54 Rating, Add	354.01	
			For Class 55 Rating, Add	786.85	
40 05 19 00-2425	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,281.34	847.54
			For Class 52 Rating, Deduct	-549.69	
			For Class 54 Rating, Add	374.79	
			For Class 55 Rating, Add	833.03	
40 05 19 00-2426	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,562.68	850.36
			For Class 52 Rating, Deduct	-580.17	
			For Class 54 Rating, Add	395.57	
			For Class 55 Rating, Add	879.22	
40 05 19 00-2427	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,844.02	853.20
			For Class 52 Rating, Deduct	-610.64	
			For Class 54 Rating, Add	416.35	
			For Class 55 Rating, Add	925.40	
40 05 19 00-2428	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,125.36	856.04
			For Class 52 Rating, Deduct	-641.12	
			For Class 54 Rating, Add	437.12	
			For Class 55 Rating, Add	971.58	
40 05 19 00-2429	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,406.70	858.87
			For Class 52 Rating, Deduct	-671.59	
			For Class 54 Rating, Add	457.90	
			For Class 55 Rating, Add	1,017.77	
40 05 19 00-2430	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,688.03	861.71
			For Class 52 Rating, Deduct	-702.07	
			For Class 54 Rating, Add	478.68	
			For Class 55 Rating, Add	1,063.95	
40 05 19 00-2431	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,969.37	864.54
			For Class 52 Rating, Deduct	-732.54	
			For Class 54 Rating, Add	499.46	
			For Class 55 Rating, Add	1,110.13	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2432	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,250.70	867.38
			For Class 52 Rating, Deduct	-763.01	
			For Class 54 Rating, Add	520.24	
			For Class 55 Rating, Add	1,156.31	
40 05 19 00-2433	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,532.05	870.21
			For Class 52 Rating, Deduct	-793.49	
			For Class 54 Rating, Add	541.02	
			For Class 55 Rating, Add	1,202.50	
40 05 19 00-2434	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,813.37	873.05
			For Class 52 Rating, Deduct	-823.96	
			For Class 54 Rating, Add	561.79	
			For Class 55 Rating, Add	1,248.68	
40 05 19 00-2435	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,094.71	875.88
			For Class 52 Rating, Deduct	-854.44	
			For Class 54 Rating, Add	582.57	
			For Class 55 Rating, Add	1,294.86	
40 05 19 00-2436	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,376.04	878.72
			For Class 52 Rating, Deduct	-884.91	
			For Class 54 Rating, Add	603.35	
			For Class 55 Rating, Add	1,341.04	
40 05 19 00-2437	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,657.38	881.55
			For Class 52 Rating, Deduct	-915.39	
			For Class 54 Rating, Add	624.13	
			For Class 55 Rating, Add	1,387.23	
40 05 19 00-2438	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,938.71	884.38
			For Class 52 Rating, Deduct	-945.86	
			For Class 54 Rating, Add	644.91	
			For Class 55 Rating, Add	1,433.41	
40 05 19 00-2439	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,220.06	887.22
			For Class 52 Rating, Deduct	-976.34	
			For Class 54 Rating, Add	665.68	
			For Class 55 Rating, Add	1,479.59	
40 05 19 00-2440	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,501.40	890.05
			For Class 52 Rating, Deduct	-1,006.81	
			For Class 54 Rating, Add	686.46	
			For Class 55 Rating, Add	1,525.78	
40 05 19 00-2441	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,782.73	892.89
			For Class 52 Rating, Deduct	-1,037.29	
			For Class 54 Rating, Add	707.24	
			For Class 55 Rating, Add	1,571.96	
40 05 19 00-2442	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,064.07	895.72
			For Class 52 Rating, Deduct	-1,067.76	
			For Class 54 Rating, Add	728.02	
			For Class 55 Rating, Add	1,618.14	
40 05 19 00-2443	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,345.40	898.56
			For Class 52 Rating, Deduct	-1,098.23	
			For Class 54 Rating, Add	748.80	
			For Class 55 Rating, Add	1,664.32	
40 05 19 00-2444	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,626.74	901.39
			For Class 52 Rating, Deduct	-1,128.71	
			For Class 54 Rating, Add	769.57	
			For Class 55 Rating, Add	1,710.51	
40 05 19 00-2445	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,908.08	904.23
			For Class 52 Rating, Deduct	-1,159.18	
			For Class 54 Rating, Add	790.35	
			For Class 55 Rating, Add	1,756.69	
40 05 19 00-2446	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,189.42	907.06
			For Class 52 Rating, Deduct	-1,189.66	
			For Class 54 Rating, Add	811.13	
			For Class 55 Rating, Add	1,802.87	
40 05 19 00-2447	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,543.76	958.08
			For Class 52 Rating, Deduct	-1,220.13	
			For Class 54 Rating, Add	831.91	
			For Class 55 Rating, Add	1,849.06	
40 05 19 00-2448	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,825.09	960.92
			For Class 52 Rating, Deduct	-1,250.61	
			For Class 54 Rating, Add	852.69	
			For Class 55 Rating, Add	1,895.24	
40 05 19 00-2449	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,106.43	963.75
			For Class 52 Rating, Deduct	-1,281.08	
			For Class 54 Rating, Add	873.47	
			For Class 55 Rating, Add	1,941.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,387.77	966.59
			For Class 52 Rating, Deduct	-1,311.56	
			For Class 54 Rating, Add	894.24	
			For Class 55 Rating, Add	1,987.60	
40 05 19 00-2451	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,669.10	969.42
			For Class 52 Rating, Deduct	-1,342.03	
			For Class 54 Rating, Add	915.02	
			For Class 55 Rating, Add	2,033.79	
40 05 19 00-2452	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,950.45	972.26
			For Class 52 Rating, Deduct	-1,372.51	
			For Class 54 Rating, Add	935.80	
			For Class 55 Rating, Add	2,079.97	
40 05 19 00-2453	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,231.78	975.09
			For Class 52 Rating, Deduct	-1,402.98	
			For Class 54 Rating, Add	956.58	
			For Class 55 Rating, Add	2,126.15	
40 05 19 00-2454	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,513.12	977.93
			For Class 52 Rating, Deduct	-1,433.46	
			For Class 54 Rating, Add	977.36	
			For Class 55 Rating, Add	2,172.34	
40 05 19 00-2455	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,794.45	980.76
			For Class 52 Rating, Deduct	-1,463.93	
			For Class 54 Rating, Add	998.13	
			For Class 55 Rating, Add	2,218.52	
40 05 19 00-2456			30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2457	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,609.85	1,167.84
			For Class 52 Rating, Deduct	-532.44	
			For Class 54 Rating, Add	363.03	
			For Class 55 Rating, Add	806.89	
40 05 19 00-2458	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,011.40	1,170.68
			For Class 52 Rating, Deduct	-576.14	
			For Class 54 Rating, Add	392.82	
			For Class 55 Rating, Add	873.12	
40 05 19 00-2459	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,412.97	1,173.51
			For Class 52 Rating, Deduct	-619.84	
			For Class 54 Rating, Add	422.62	
			For Class 55 Rating, Add	939.34	
40 05 19 00-2460	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,814.53	1,176.34
			For Class 52 Rating, Deduct	-663.54	
			For Class 54 Rating, Add	452.41	
			For Class 55 Rating, Add	1,005.57	
40 05 19 00-2461	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,216.10	1,179.18
			For Class 52 Rating, Deduct	-707.24	
			For Class 54 Rating, Add	482.21	
			For Class 55 Rating, Add	1,071.79	
40 05 19 00-2462	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,617.65	1,182.01
			For Class 52 Rating, Deduct	-750.94	
			For Class 54 Rating, Add	512.00	
			For Class 55 Rating, Add	1,138.01	
40 05 19 00-2463	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,019.21	1,184.85
			For Class 52 Rating, Deduct	-794.64	
			For Class 54 Rating, Add	541.80	
			For Class 55 Rating, Add	1,204.24	
40 05 19 00-2464	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,420.78	1,187.68
			For Class 52 Rating, Deduct	-838.34	
			For Class 54 Rating, Add	571.59	
			For Class 55 Rating, Add	1,270.46	
40 05 19 00-2465	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,822.33	1,190.52
			For Class 52 Rating, Deduct	-882.04	
			For Class 54 Rating, Add	601.39	
			For Class 55 Rating, Add	1,336.69	
40 05 19 00-2466	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,223.90	1,193.35
			For Class 52 Rating, Deduct	-925.74	
			For Class 54 Rating, Add	631.18	
			For Class 55 Rating, Add	1,402.91	
40 05 19 00-2467	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,625.46	1,196.19
			For Class 52 Rating, Deduct	-969.44	
			For Class 54 Rating, Add	660.98	
			For Class 55 Rating, Add	1,469.14	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2468	EA	30"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,027.03	1,199.02
			For Class 52 Rating, Deduct	-1,013.14	
			For Class 54 Rating, Add	690.77	
			For Class 55 Rating, Add	1,535.36	
40 05 19 00-2469	EA	30"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,428.58	1,201.86
			For Class 52 Rating, Deduct	-1,056.83	
			For Class 54 Rating, Add	720.57	
			For Class 55 Rating, Add	1,601.59	
40 05 19 00-2470	EA	30"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,830.15	1,204.69
			For Class 52 Rating, Deduct	-1,100.53	
			For Class 54 Rating, Add	750.36	
			For Class 55 Rating, Add	1,667.81	
40 05 19 00-2471	EA	30"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,231.72	1,207.52
			For Class 52 Rating, Deduct	-1,144.23	
			For Class 54 Rating, Add	780.16	
			For Class 55 Rating, Add	1,734.04	
40 05 19 00-2472	EA	30"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,633.28	1,210.36
			For Class 52 Rating, Deduct	-1,187.93	
			For Class 54 Rating, Add	809.96	
			For Class 55 Rating, Add	1,800.26	
40 05 19 00-2473	EA	30"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,034.84	1,213.19
			For Class 52 Rating, Deduct	-1,231.63	
			For Class 54 Rating, Add	839.75	
			For Class 55 Rating, Add	1,866.48	
40 05 19 00-2474	EA	30"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,436.40	1,216.03
			For Class 52 Rating, Deduct	-1,275.33	
			For Class 54 Rating, Add	869.54	
			For Class 55 Rating, Add	1,932.71	
40 05 19 00-2475	EA	30"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,837.96	1,218.86
			For Class 52 Rating, Deduct	-1,319.03	
			For Class 54 Rating, Add	899.34	
			For Class 55 Rating, Add	1,998.93	
40 05 19 00-2476	EA	30"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,239.51	1,221.70
			For Class 52 Rating, Deduct	-1,362.73	
			For Class 54 Rating, Add	929.13	
			For Class 55 Rating, Add	2,065.16	
40 05 19 00-2477	EA	30"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,641.08	1,224.53
			For Class 52 Rating, Deduct	-1,406.43	
			For Class 54 Rating, Add	958.93	
			For Class 55 Rating, Add	2,131.38	
40 05 19 00-2478	EA	30"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,042.64	1,227.37
			For Class 52 Rating, Deduct	-1,450.13	
			For Class 54 Rating, Add	988.73	
			For Class 55 Rating, Add	2,197.61	
40 05 19 00-2479	EA	30"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,444.21	1,230.20
			For Class 52 Rating, Deduct	-1,493.83	
			For Class 54 Rating, Add	1,018.52	
			For Class 55 Rating, Add	2,263.83	
40 05 19 00-2480	EA	30"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,845.76	1,233.04
			For Class 52 Rating, Deduct	-1,537.53	
			For Class 54 Rating, Add	1,048.31	
			For Class 55 Rating, Add	2,330.05	
40 05 19 00-2481	EA	30"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,247.33	1,235.87
			For Class 52 Rating, Deduct	-1,581.23	
			For Class 54 Rating, Add	1,078.11	
			For Class 55 Rating, Add	2,396.28	
40 05 19 00-2482	EA	30"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,648.90	1,238.70
			For Class 52 Rating, Deduct	-1,624.93	
			For Class 54 Rating, Add	1,107.91	
			For Class 55 Rating, Add	2,462.50	
40 05 19 00-2483	EA	30"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,050.45	1,241.54
			For Class 52 Rating, Deduct	-1,668.63	
			For Class 54 Rating, Add	1,137.70	
			For Class 55 Rating, Add	2,528.73	
40 05 19 00-2484	EA	30"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,452.02	1,244.37
			For Class 52 Rating, Deduct	-1,712.33	
			For Class 54 Rating, Add	1,167.50	
			For Class 55 Rating, Add	2,594.95	
40 05 19 00-2485	EA	30"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,853.58	1,247.21
			For Class 52 Rating, Deduct	-1,756.03	
			For Class 54 Rating, Add	1,197.29	
			For Class 55 Rating, Add	2,661.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2486	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,255.15	1,250.04
			<i>For Class 52 Rating, Deduct</i>	-1,799.73	
			<i>For Class 54 Rating, Add</i>	1,227.09	
			<i>For Class 55 Rating, Add</i>	2,727.40	
40 05 19 00-2487	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,656.70	1,252.88
			<i>For Class 52 Rating, Deduct</i>	-1,843.42	
			<i>For Class 54 Rating, Add</i>	1,256.88	
			<i>For Class 55 Rating, Add</i>	2,793.63	
40 05 19 00-2488	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,058.27	1,255.71
			<i>For Class 52 Rating, Deduct</i>	-1,887.12	
			<i>For Class 54 Rating, Add</i>	1,286.68	
			<i>For Class 55 Rating, Add</i>	2,859.85	
40 05 19 00-2489	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,459.82	1,258.55
			<i>For Class 52 Rating, Deduct</i>	-1,930.82	
			<i>For Class 54 Rating, Add</i>	1,316.47	
			<i>For Class 55 Rating, Add</i>	2,926.08	
40 05 19 00-2490	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,861.38	1,261.38
			<i>For Class 52 Rating, Deduct</i>	-1,974.52	
			<i>For Class 54 Rating, Add</i>	1,346.27	
			<i>For Class 55 Rating, Add</i>	2,992.30	
40 05 19 00-2491	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,262.95	1,264.22
			<i>For Class 52 Rating, Deduct</i>	-2,018.22	
			<i>For Class 54 Rating, Add</i>	1,376.06	
			<i>For Class 55 Rating, Add</i>	3,058.52	
40 05 19 00-2492			36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2493	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,143.10	1,479.64
			<i>For Class 52 Rating, Deduct</i>	-759.13	
			<i>For Class 54 Rating, Add</i>	517.59	
			<i>For Class 55 Rating, Add</i>	1,150.43	
40 05 19 00-2494	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,680.57	1,482.48
			<i>For Class 52 Rating, Deduct</i>	-817.78	
			<i>For Class 54 Rating, Add</i>	557.58	
			<i>For Class 55 Rating, Add</i>	1,239.31	
40 05 19 00-2495	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,218.04	1,485.32
			<i>For Class 52 Rating, Deduct</i>	-876.43	
			<i>For Class 54 Rating, Add</i>	597.57	
			<i>For Class 55 Rating, Add</i>	1,328.19	
40 05 19 00-2496	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,755.50	1,488.15
			<i>For Class 52 Rating, Deduct</i>	-935.08	
			<i>For Class 54 Rating, Add</i>	637.55	
			<i>For Class 55 Rating, Add</i>	1,417.07	
40 05 19 00-2497	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,292.97	1,490.99
			<i>For Class 52 Rating, Deduct</i>	-993.73	
			<i>For Class 54 Rating, Add</i>	677.54	
			<i>For Class 55 Rating, Add</i>	1,505.95	
40 05 19 00-2498	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,830.43	1,493.81
			<i>For Class 52 Rating, Deduct</i>	-1,052.38	
			<i>For Class 54 Rating, Add</i>	717.53	
			<i>For Class 55 Rating, Add</i>	1,594.83	
40 05 19 00-2499	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,367.91	1,496.65
			<i>For Class 52 Rating, Deduct</i>	-1,111.03	
			<i>For Class 54 Rating, Add</i>	757.52	
			<i>For Class 55 Rating, Add</i>	1,683.71	
40 05 19 00-2500	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,905.37	1,499.48
			<i>For Class 52 Rating, Deduct</i>	-1,169.68	
			<i>For Class 54 Rating, Add</i>	797.51	
			<i>For Class 55 Rating, Add</i>	1,772.59	
40 05 19 00-2501	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,442.85	1,502.32
			<i>For Class 52 Rating, Deduct</i>	-1,228.33	
			<i>For Class 54 Rating, Add</i>	837.50	
			<i>For Class 55 Rating, Add</i>	1,861.47	
40 05 19 00-2502	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,980.32	1,505.15
			<i>For Class 52 Rating, Deduct</i>	-1,286.98	
			<i>For Class 54 Rating, Add</i>	877.48	
			<i>For Class 55 Rating, Add</i>	1,950.35	
40 05 19 00-2503	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,517.78	1,507.99
			<i>For Class 52 Rating, Deduct</i>	-1,345.62	
			<i>For Class 54 Rating, Add</i>	917.47	
			<i>For Class 55 Rating, Add</i>	2,039.23	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,055.26		1,510.82
		For Class 52 Rating, Deduct	-1,404.27		
		For Class 54 Rating, Add	957.46		
		For Class 55 Rating, Add	2,128.11		
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,592.72		1,513.66
		For Class 52 Rating, Deduct	-1,462.92		
		For Class 54 Rating, Add	997.45		
		For Class 55 Rating, Add	2,216.99		
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,130.20		1,516.50
		For Class 52 Rating, Deduct	-1,521.57		
		For Class 54 Rating, Add	1,037.44		
		For Class 55 Rating, Add	2,305.87		
40 05 19 00-2507	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,667.66		1,519.33
		For Class 52 Rating, Deduct	-1,580.22		
		For Class 54 Rating, Add	1,077.42		
		For Class 55 Rating, Add	2,394.75		
40 05 19 00-2508	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,205.14		1,522.17
		For Class 52 Rating, Deduct	-1,638.87		
		For Class 54 Rating, Add	1,117.41		
		For Class 55 Rating, Add	2,483.63		
40 05 19 00-2509	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,742.60		1,524.99
		For Class 52 Rating, Deduct	-1,697.52		
		For Class 54 Rating, Add	1,157.40		
		For Class 55 Rating, Add	2,572.51		
40 05 19 00-2510	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,280.08		1,527.83
		For Class 52 Rating, Deduct	-1,756.17		
		For Class 54 Rating, Add	1,197.39		
		For Class 55 Rating, Add	2,661.40		
40 05 19 00-2511	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,817.54		1,530.66
		For Class 52 Rating, Deduct	-1,814.82		
		For Class 54 Rating, Add	1,237.38		
		For Class 55 Rating, Add	2,750.27		
40 05 19 00-2512	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,355.00		1,533.50
		For Class 52 Rating, Deduct	-1,873.47		
		For Class 54 Rating, Add	1,277.36		
		For Class 55 Rating, Add	2,839.15		
40 05 19 00-2513	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,892.48		1,536.33
		For Class 52 Rating, Deduct	-1,932.12		
		For Class 54 Rating, Add	1,317.35		
		For Class 55 Rating, Add	2,928.04		
40 05 19 00-2514	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,429.94		1,539.17
		For Class 52 Rating, Deduct	-1,990.77		
		For Class 54 Rating, Add	1,357.34		
		For Class 55 Rating, Add	3,016.91		
40 05 19 00-2515	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,967.42		1,542.00
		For Class 52 Rating, Deduct	-2,049.42		
		For Class 54 Rating, Add	1,397.33		
		For Class 55 Rating, Add	3,105.80		
40 05 19 00-2516	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,504.88		1,544.84
		For Class 52 Rating, Deduct	-2,108.06		
		For Class 54 Rating, Add	1,437.32		
		For Class 55 Rating, Add	3,194.68		
40 05 19 00-2517	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,042.36		1,547.68
		For Class 52 Rating, Deduct	-2,166.71		
		For Class 54 Rating, Add	1,477.31		
		For Class 55 Rating, Add	3,283.56		
40 05 19 00-2518	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,579.82		1,550.51
		For Class 52 Rating, Deduct	-2,225.36		
		For Class 54 Rating, Add	1,517.29		
		For Class 55 Rating, Add	3,372.44		
40 05 19 00-2519	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,117.30		1,553.35
		For Class 52 Rating, Deduct	-2,284.01		
		For Class 54 Rating, Add	1,557.28		
		For Class 55 Rating, Add	3,461.32		
40 05 19 00-2520	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,654.77		1,556.17
		For Class 52 Rating, Deduct	-2,342.66		
		For Class 54 Rating, Add	1,597.27		
		For Class 55 Rating, Add	3,550.20		
40 05 19 00-2521	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,192.23		1,559.01
		For Class 52 Rating, Deduct	-2,401.31		
		For Class 54 Rating, Add	1,637.26		
		For Class 55 Rating, Add	3,639.08		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2522	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,729.71	1,561.84
			<i>For Class 52 Rating, Deduct</i>	-2,459.96	
			<i>For Class 54 Rating, Add</i>	1,677.25	
			<i>For Class 55 Rating, Add</i>	3,727.96	
40 05 19 00-2523	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,267.17	1,564.68
			<i>For Class 52 Rating, Deduct</i>	-2,518.61	
			<i>For Class 54 Rating, Add</i>	1,717.23	
			<i>For Class 55 Rating, Add</i>	3,816.84	
40 05 19 00-2524	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,804.64	1,567.51
			<i>For Class 52 Rating, Deduct</i>	-2,577.26	
			<i>For Class 54 Rating, Add</i>	1,757.22	
			<i>For Class 55 Rating, Add</i>	3,905.72	
40 05 19 00-2525	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,342.10	1,570.35
			<i>For Class 52 Rating, Deduct</i>	-2,635.91	
			<i>For Class 54 Rating, Add</i>	1,797.21	
			<i>For Class 55 Rating, Add</i>	3,994.60	
40 05 19 00-2526	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,879.58	1,573.18
			<i>For Class 52 Rating, Deduct</i>	-2,694.56	
			<i>For Class 54 Rating, Add</i>	1,837.20	
			<i>For Class 55 Rating, Add</i>	4,083.48	
40 05 19 00-2527	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,417.04	1,576.02
			<i>For Class 52 Rating, Deduct</i>	-2,753.21	
			<i>For Class 54 Rating, Add</i>	1,877.19	
			<i>For Class 55 Rating, Add</i>	4,172.36	
40 05 19 00-2528			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2529	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,032.39	1,865.15
			<i>For Class 52 Rating, Deduct</i>	-1,012.71	
			<i>For Class 54 Rating, Add</i>	690.48	
			<i>For Class 55 Rating, Add</i>	1,534.71	
40 05 19 00-2530	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,820.76	1,867.98
			<i>For Class 52 Rating, Deduct</i>	-1,098.95	
			<i>For Class 54 Rating, Add</i>	749.29	
			<i>For Class 55 Rating, Add</i>	1,665.41	
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,602.60	1,870.82
			<i>For Class 52 Rating, Deduct</i>	-1,184.48	
			<i>For Class 54 Rating, Add</i>	807.60	
			<i>For Class 55 Rating, Add</i>	1,795.03	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,392.28	1,873.65
			<i>For Class 52 Rating, Deduct</i>	-1,270.88	
			<i>For Class 54 Rating, Add</i>	866.51	
			<i>For Class 55 Rating, Add</i>	1,925.96	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,176.74	1,876.49
			<i>For Class 52 Rating, Deduct</i>	-1,356.69	
			<i>For Class 54 Rating, Add</i>	925.02	
			<i>For Class 55 Rating, Add</i>	2,056.01	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,969.03	1,879.31
			<i>For Class 52 Rating, Deduct</i>	-1,443.37	
			<i>For Class 54 Rating, Add</i>	984.12	
			<i>For Class 55 Rating, Add</i>	2,187.37	
40 05 19 00-2535	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,753.48	1,882.15
			<i>For Class 52 Rating, Deduct</i>	-1,529.19	
			<i>For Class 54 Rating, Add</i>	1,042.63	
			<i>For Class 55 Rating, Add</i>	2,317.42	
40 05 19 00-2536	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,547.09	1,884.98
			<i>For Class 52 Rating, Deduct</i>	-1,616.02	
			<i>For Class 54 Rating, Add</i>	1,101.83	
			<i>For Class 55 Rating, Add</i>	2,449.00	
40 05 19 00-2537	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,334.15	1,887.82
			<i>For Class 52 Rating, Deduct</i>	-1,702.12	
			<i>For Class 54 Rating, Add</i>	1,160.54	
			<i>For Class 55 Rating, Add</i>	2,579.49	
40 05 19 00-2538	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,127.76	1,890.65
			<i>For Class 52 Rating, Deduct</i>	-1,788.94	
			<i>For Class 54 Rating, Add</i>	1,219.73	
			<i>For Class 55 Rating, Add</i>	2,711.06	
40 05 19 00-2539	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,914.82	1,893.49
			<i>For Class 52 Rating, Deduct</i>	-1,875.05	
			<i>For Class 54 Rating, Add</i>	1,278.44	
			<i>For Class 55 Rating, Add</i>	2,841.55	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2540	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,709.73	1,896.33
			For Class 52 Rating, Deduct	-1,962.02	
			For Class 54 Rating, Add	1,337.74	
			For Class 55 Rating, Add	2,973.35	
40 05 19 00-2541	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,496.80	1,899.16
			For Class 52 Rating, Deduct	-2,048.12	
			For Class 54 Rating, Add	1,396.45	
			For Class 55 Rating, Add	3,103.84	
40 05 19 00-2542	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,286.48	1,902.00
			For Class 52 Rating, Deduct	-2,134.51	
			For Class 54 Rating, Add	1,455.35	
			For Class 55 Rating, Add	3,234.76	
40 05 19 00-2543	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,080.09	1,904.83
			For Class 52 Rating, Deduct	-2,221.34	
			For Class 54 Rating, Add	1,514.55	
			For Class 55 Rating, Add	3,366.34	
40 05 19 00-2544	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,868.46	1,907.67
			For Class 52 Rating, Deduct	-2,307.59	
			For Class 54 Rating, Add	1,573.35	
			For Class 55 Rating, Add	3,497.04	
40 05 19 00-2545	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,665.99	1,910.49
			For Class 52 Rating, Deduct	-2,394.84	
			For Class 54 Rating, Add	1,632.85	
			For Class 55 Rating, Add	3,629.27	
40 05 19 00-2546	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,455.66	1,913.33
			For Class 52 Rating, Deduct	-2,481.23	
			For Class 54 Rating, Add	1,691.75	
			For Class 55 Rating, Add	3,760.20	
40 05 19 00-2547	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,251.88	1,916.16
			For Class 52 Rating, Deduct	-2,568.35	
			For Class 54 Rating, Add	1,751.15	
			For Class 55 Rating, Add	3,892.21	
40 05 19 00-2548	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,040.25	1,919.00
			For Class 52 Rating, Deduct	-2,654.59	
			For Class 54 Rating, Add	1,809.95	
			For Class 55 Rating, Add	4,022.92	
40 05 19 00-2549	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,839.08	1,921.83
			For Class 52 Rating, Deduct	-2,741.99	
			For Class 54 Rating, Add	1,869.54	
			For Class 55 Rating, Add	4,155.37	
40 05 19 00-2550	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,628.76	1,924.67
			For Class 52 Rating, Deduct	-2,828.39	
			For Class 54 Rating, Add	1,928.45	
			For Class 55 Rating, Add	4,286.29	
40 05 19 00-2551	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,424.98	1,927.51
			For Class 52 Rating, Deduct	-2,915.50	
			For Class 54 Rating, Add	1,987.84	
			For Class 55 Rating, Add	4,418.30	
40 05 19 00-2552	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,214.66	1,930.34
			For Class 52 Rating, Deduct	-3,001.89	
			For Class 54 Rating, Add	2,046.74	
			For Class 55 Rating, Add	4,549.23	
40 05 19 00-2553	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,013.49	1,933.18
			For Class 52 Rating, Deduct	-3,089.29	
			For Class 54 Rating, Add	2,106.33	
			For Class 55 Rating, Add	4,681.68	
40 05 19 00-2554	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,803.18	1,936.01
			For Class 52 Rating, Deduct	-3,175.68	
			For Class 54 Rating, Add	2,165.24	
			For Class 55 Rating, Add	4,812.60	
40 05 19 00-2555	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,599.39	1,938.85
			For Class 52 Rating, Deduct	-3,262.79	
			For Class 54 Rating, Add	2,224.63	
			For Class 55 Rating, Add	4,944.61	
40 05 19 00-2556	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,390.38	1,941.67
			For Class 52 Rating, Deduct	-3,349.33	
			For Class 54 Rating, Add	2,283.63	
			For Class 55 Rating, Add	5,075.75	
40 05 19 00-2557	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,031.08	1,944.51
			For Class 52 Rating, Deduct	-3,419.33	
			For Class 54 Rating, Add	2,331.36	
			For Class 55 Rating, Add	5,181.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2558	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,978.89	1,947.34
			<i>For Class 52 Rating, Deduct</i>	-3,523.12	
			<i>For Class 54 Rating, Add</i>	2,402.13	
			<i>For Class 55 Rating, Add</i>	5,339.13	
40 05 19 00-2559	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,768.57	1,950.18
			<i>For Class 52 Rating, Deduct</i>	-3,609.51	
			<i>For Class 54 Rating, Add</i>	2,461.03	
			<i>For Class 55 Rating, Add</i>	5,470.05	
40 05 19 00-2560	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,566.10	1,953.01
			<i>For Class 52 Rating, Deduct</i>	-3,696.77	
			<i>For Class 54 Rating, Add</i>	2,520.52	
			<i>For Class 55 Rating, Add</i>	5,602.28	
40 05 19 00-2561	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,357.07	1,955.85
			<i>For Class 52 Rating, Deduct</i>	-3,783.30	
			<i>For Class 54 Rating, Add</i>	2,579.53	
			<i>For Class 55 Rating, Add</i>	5,733.42	
40 05 19 00-2562	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,155.90	1,958.69
			<i>For Class 52 Rating, Deduct</i>	-3,870.70	
			<i>For Class 54 Rating, Add</i>	2,639.12	
			<i>For Class 55 Rating, Add</i>	5,865.87	
40 05 19 00-2563	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,944.28	1,961.52
			<i>For Class 52 Rating, Deduct</i>	-3,956.95	
			<i>For Class 54 Rating, Add</i>	2,697.92	
			<i>For Class 55 Rating, Add</i>	5,996.58	
40 05 19 00-2564			48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2565	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,094.75	2,344.19
			<i>For Class 52 Rating, Deduct</i>	-1,269.73	
			<i>For Class 54 Rating, Add</i>	865.72	
			<i>For Class 55 Rating, Add</i>	1,924.21	
40 05 19 00-2566	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,220.29	2,347.02
			<i>For Class 52 Rating, Deduct</i>	-1,393.06	
			<i>For Class 54 Rating, Add</i>	949.82	
			<i>For Class 55 Rating, Add</i>	2,111.12	
40 05 19 00-2567	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,348.43	2,349.86
			<i>For Class 52 Rating, Deduct</i>	-1,516.69	
			<i>For Class 54 Rating, Add</i>	1,034.10	
			<i>For Class 55 Rating, Add</i>	2,298.47	
40 05 19 00-2568	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,489.64	2,352.69
			<i>For Class 52 Rating, Deduct</i>	-1,641.75	
			<i>For Class 54 Rating, Add</i>	1,119.37	
			<i>For Class 55 Rating, Add</i>	2,487.99	
40 05 19 00-2569	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,626.93	2,355.53
			<i>For Class 52 Rating, Deduct</i>	-1,766.38	
			<i>For Class 54 Rating, Add</i>	1,204.35	
			<i>For Class 55 Rating, Add</i>	2,676.86	
40 05 19 00-2570	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,766.84	2,358.35
			<i>For Class 52 Rating, Deduct</i>	-1,891.29	
			<i>For Class 54 Rating, Add</i>	1,289.52	
			<i>For Class 55 Rating, Add</i>	2,866.17	
40 05 19 00-2571	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,914.59	2,361.19
			<i>For Class 52 Rating, Deduct</i>	-2,017.07	
			<i>For Class 54 Rating, Add</i>	1,375.28	
			<i>For Class 55 Rating, Add</i>	3,056.78	
40 05 19 00-2572	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,059.71	2,364.02
			<i>For Class 52 Rating, Deduct</i>	-2,142.56	
			<i>For Class 54 Rating, Add</i>	1,460.84	
			<i>For Class 55 Rating, Add</i>	3,246.96	
40 05 19 00-2573	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,203.54	2,366.86
			<i>For Class 52 Rating, Deduct</i>	-2,267.91	
			<i>For Class 54 Rating, Add</i>	1,546.30	
			<i>For Class 55 Rating, Add</i>	3,436.92	
40 05 19 00-2574	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,359.12	2,369.70
			<i>For Class 52 Rating, Deduct</i>	-2,394.55	
			<i>For Class 54 Rating, Add</i>	1,632.65	
			<i>For Class 55 Rating, Add</i>	3,628.84	
40 05 19 00-2575	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,506.87	2,372.53
			<i>For Class 52 Rating, Deduct</i>	-2,520.33	
			<i>For Class 54 Rating, Add</i>	1,718.41	
			<i>For Class 55 Rating, Add</i>	3,819.45	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2576	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,663.76	2,375.37
			For Class 52 Rating, Deduct	-2,647.12	
			For Class 54 Rating, Add	1,804.85	
			For Class 55 Rating, Add	4,011.59	
40 05 19 00-2577	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,814.13	2,378.20
			For Class 52 Rating, Deduct	-2,773.19	
			For Class 54 Rating, Add	1,890.81	
			For Class 55 Rating, Add	4,202.64	
40 05 19 00-2578	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,965.78	2,381.04
			For Class 52 Rating, Deduct	-2,899.40	
			For Class 54 Rating, Add	1,976.86	
			For Class 55 Rating, Add	4,393.91	
40 05 19 00-2579	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,125.29	2,383.87
			For Class 52 Rating, Deduct	-3,026.47	
			For Class 54 Rating, Add	2,063.50	
			For Class 55 Rating, Add	4,586.48	
40 05 19 00-2580	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,279.57	2,386.71
			For Class 52 Rating, Deduct	-3,152.97	
			For Class 54 Rating, Add	2,149.75	
			For Class 55 Rating, Add	4,778.18	
40 05 19 00-2581	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,432.54	2,389.54
			For Class 52 Rating, Deduct	-3,279.32	
			For Class 54 Rating, Add	2,235.90	
			For Class 55 Rating, Add	4,969.67	
40 05 19 00-2582	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,594.66	2,392.37
			For Class 52 Rating, Deduct	-3,406.68	
			For Class 54 Rating, Add	2,322.74	
			For Class 55 Rating, Add	5,162.67	
40 05 19 00-2583	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,750.24	2,395.20
			For Class 52 Rating, Deduct	-3,533.33	
			For Class 54 Rating, Add	2,409.09	
			For Class 55 Rating, Add	5,354.59	
40 05 19 00-2584	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,904.53	2,398.04
			For Class 52 Rating, Deduct	-3,659.82	
			For Class 54 Rating, Add	2,495.33	
			For Class 55 Rating, Add	5,546.30	
40 05 19 00-2585	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,067.95	2,400.88
			For Class 52 Rating, Deduct	-3,787.33	
			For Class 54 Rating, Add	2,582.27	
			For Class 55 Rating, Add	5,739.52	
40 05 19 00-2586	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,226.15	2,403.71
			For Class 52 Rating, Deduct	-3,914.26	
			For Class 54 Rating, Add	2,668.81	
			For Class 55 Rating, Add	5,931.88	
40 05 19 00-2587	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,381.73	2,406.55
			For Class 52 Rating, Deduct	-4,040.90	
			For Class 54 Rating, Add	2,755.16	
			For Class 55 Rating, Add	6,123.80	
40 05 19 00-2588	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,546.47	2,409.38
			For Class 52 Rating, Deduct	-4,168.55	
			For Class 54 Rating, Add	2,842.19	
			For Class 55 Rating, Add	6,317.24	
40 05 19 00-2589	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,704.67	2,412.22
			For Class 52 Rating, Deduct	-4,295.48	
			For Class 54 Rating, Add	2,928.74	
			For Class 55 Rating, Add	6,509.60	
40 05 19 00-2590	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,861.57	2,415.05
			For Class 52 Rating, Deduct	-4,422.26	
			For Class 54 Rating, Add	3,015.18	
			For Class 55 Rating, Add	6,701.74	
40 05 19 00-2591	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,027.61	2,417.89
			For Class 52 Rating, Deduct	-4,550.06	
			For Class 54 Rating, Add	3,102.31	
			For Class 55 Rating, Add	6,895.40	
40 05 19 00-2592	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,187.10	2,420.72
			For Class 52 Rating, Deduct	-4,677.13	
			For Class 54 Rating, Add	3,188.95	
			For Class 55 Rating, Add	7,087.98	
40 05 19 00-2593	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,210.71	2,423.55
			For Class 52 Rating, Deduct	-4,789.25	
			For Class 54 Rating, Add	3,265.40	
			For Class 55 Rating, Add	7,257.89	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2594	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,512.65	2,426.38
		For Class 52 Rating, Deduct	-4,931.99	
		For Class 54 Rating, Add	3,362.72	
		For Class 55 Rating, Add	7,474.21	
40 05 19 00-2595	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,670.85	2,429.22
		For Class 52 Rating, Deduct	-5,058.92	
		For Class 54 Rating, Add	3,449.27	
		For Class 55 Rating, Add	7,666.57	
40 05 19 00-2596	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,839.50	2,432.06
		For Class 52 Rating, Deduct	-5,187.00	
		For Class 54 Rating, Add	3,536.59	
		For Class 55 Rating, Add	7,860.67	
40 05 19 00-2597	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,997.71	2,434.89
		For Class 52 Rating, Deduct	-5,313.93	
		For Class 54 Rating, Add	3,623.14	
		For Class 55 Rating, Add	8,053.02	
40 05 19 00-2598	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,155.90	2,437.73
		For Class 52 Rating, Deduct	-5,440.86	
		For Class 54 Rating, Add	3,709.68	
		For Class 55 Rating, Add	8,245.38	
40 05 19 00-2599	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,325.87	2,440.56
		For Class 52 Rating, Deduct	-5,569.09	
		For Class 54 Rating, Add	3,797.10	
		For Class 55 Rating, Add	8,439.70	
40 05 19 00-2600		Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2601		4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2602	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	430.45	129.71
		For Class 52 Rating, Deduct	-25.73	
		For Class 54 Rating, Add	17.54	
		For Class 55 Rating, Add	38.99	
40 05 19 00-2603	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	483.55	131.98
		For Class 52 Rating, Deduct	-31.19	
		For Class 54 Rating, Add	21.27	
		For Class 55 Rating, Add	47.27	
40 05 19 00-2604	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	536.63	134.25
		For Class 52 Rating, Deduct	-36.66	
		For Class 54 Rating, Add	24.99	
		For Class 55 Rating, Add	55.55	
40 05 19 00-2605	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	589.72	136.52
		For Class 52 Rating, Deduct	-42.12	
		For Class 54 Rating, Add	28.72	
		For Class 55 Rating, Add	63.83	
40 05 19 00-2606	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	642.82	138.78
		For Class 52 Rating, Deduct	-47.58	
		For Class 54 Rating, Add	32.44	
		For Class 55 Rating, Add	72.11	
40 05 19 00-2607	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	695.92	141.05
		For Class 52 Rating, Deduct	-53.04	
		For Class 54 Rating, Add	36.17	
		For Class 55 Rating, Add	80.38	
40 05 19 00-2608	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	749.02	143.31
		For Class 52 Rating, Deduct	-58.51	
		For Class 54 Rating, Add	39.89	
		For Class 55 Rating, Add	88.66	
40 05 19 00-2609	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	802.11	145.59
		For Class 52 Rating, Deduct	-63.97	
		For Class 54 Rating, Add	43.61	
		For Class 55 Rating, Add	96.94	
40 05 19 00-2610	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	855.20	147.85
		For Class 52 Rating, Deduct	-69.43	
		For Class 54 Rating, Add	47.34	
		For Class 55 Rating, Add	105.22	
40 05 19 00-2611	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	908.29	150.12
		For Class 52 Rating, Deduct	-74.89	
		For Class 54 Rating, Add	51.06	
		For Class 55 Rating, Add	113.50	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	961.39	152.38
			<i>For Class 52 Rating, Deduct</i>	-80.36	
			<i>For Class 54 Rating, Add</i>	54.79	
			<i>For Class 55 Rating, Add</i>	121.77	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,014.48	154.66
			<i>For Class 52 Rating, Deduct</i>	-85.82	
			<i>For Class 54 Rating, Add</i>	58.51	
			<i>For Class 55 Rating, Add</i>	130.05	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,067.58	156.92
			<i>For Class 52 Rating, Deduct</i>	-91.28	
			<i>For Class 54 Rating, Add</i>	62.24	
			<i>For Class 55 Rating, Add</i>	138.33	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,120.68	159.19
			<i>For Class 52 Rating, Deduct</i>	-96.74	
			<i>For Class 54 Rating, Add</i>	65.96	
			<i>For Class 55 Rating, Add</i>	146.61	
40 05 19 00-2616	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,173.77	161.46
			<i>For Class 52 Rating, Deduct</i>	-102.20	
			<i>For Class 54 Rating, Add</i>	69.68	
			<i>For Class 55 Rating, Add</i>	154.89	
40 05 19 00-2617	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,226.85	163.73
			<i>For Class 52 Rating, Deduct</i>	-107.67	
			<i>For Class 54 Rating, Add</i>	73.41	
			<i>For Class 55 Rating, Add</i>	163.16	
40 05 19 00-2618	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,279.95	166.00
			<i>For Class 52 Rating, Deduct</i>	-113.13	
			<i>For Class 54 Rating, Add</i>	77.13	
			<i>For Class 55 Rating, Add</i>	171.44	
40 05 19 00-2619	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,333.05	168.26
			<i>For Class 52 Rating, Deduct</i>	-118.59	
			<i>For Class 54 Rating, Add</i>	80.86	
			<i>For Class 55 Rating, Add</i>	179.72	
40 05 19 00-2620	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,386.15	170.53
			<i>For Class 52 Rating, Deduct</i>	-124.05	
			<i>For Class 54 Rating, Add</i>	84.58	
			<i>For Class 55 Rating, Add</i>	188.00	
40 05 19 00-2621	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,439.24	172.80
			<i>For Class 52 Rating, Deduct</i>	-129.52	
			<i>For Class 54 Rating, Add</i>	88.31	
			<i>For Class 55 Rating, Add</i>	196.28	
40 05 19 00-2622	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.34	175.07
			<i>For Class 52 Rating, Deduct</i>	-134.98	
			<i>For Class 54 Rating, Add</i>	92.03	
			<i>For Class 55 Rating, Add</i>	204.56	
40 05 19 00-2623	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,545.42	177.33
			<i>For Class 52 Rating, Deduct</i>	-140.44	
			<i>For Class 54 Rating, Add</i>	95.76	
			<i>For Class 55 Rating, Add</i>	212.83	
40 05 19 00-2624	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,598.52	179.60
			<i>For Class 52 Rating, Deduct</i>	-145.90	
			<i>For Class 54 Rating, Add</i>	99.48	
			<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-2625	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,651.61	181.86
			<i>For Class 52 Rating, Deduct</i>	-151.37	
			<i>For Class 54 Rating, Add</i>	103.20	
			<i>For Class 55 Rating, Add</i>	229.39	
40 05 19 00-2626	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,704.71	184.14
			<i>For Class 52 Rating, Deduct</i>	-156.83	
			<i>For Class 54 Rating, Add</i>	106.93	
			<i>For Class 55 Rating, Add</i>	237.67	
40 05 19 00-2627	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,757.81	186.40
			<i>For Class 52 Rating, Deduct</i>	-162.29	
			<i>For Class 54 Rating, Add</i>	110.65	
			<i>For Class 55 Rating, Add</i>	245.95	
40 05 19 00-2628	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,810.90	188.67
			<i>For Class 52 Rating, Deduct</i>	-167.75	
			<i>For Class 54 Rating, Add</i>	114.38	
			<i>For Class 55 Rating, Add</i>	254.22	
40 05 19 00-2629	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,863.99	190.93
			<i>For Class 52 Rating, Deduct</i>	-173.22	
			<i>For Class 54 Rating, Add</i>	118.10	
			<i>For Class 55 Rating, Add</i>	262.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2630	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,917.08	193.21
			<i>For Class 52 Rating, Deduct</i>	-178.68	
			<i>For Class 54 Rating, Add</i>	121.83	
			<i>For Class 55 Rating, Add</i>	270.78	
40 05 19 00-2631	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,970.18	195.47
			<i>For Class 52 Rating, Deduct</i>	-184.14	
			<i>For Class 54 Rating, Add</i>	125.55	
			<i>For Class 55 Rating, Add</i>	279.06	
40 05 19 00-2632	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,023.27	197.74
			<i>For Class 52 Rating, Deduct</i>	-189.60	
			<i>For Class 54 Rating, Add</i>	129.28	
			<i>For Class 55 Rating, Add</i>	287.34	
40 05 19 00-2633	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,076.37	200.01
			<i>For Class 52 Rating, Deduct</i>	-195.07	
			<i>For Class 54 Rating, Add</i>	133.00	
			<i>For Class 55 Rating, Add</i>	295.61	
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,129.47	202.28
			<i>For Class 52 Rating, Deduct</i>	-200.53	
			<i>For Class 54 Rating, Add</i>	136.72	
			<i>For Class 55 Rating, Add</i>	303.89	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,182.56	204.55
			<i>For Class 52 Rating, Deduct</i>	-205.99	
			<i>For Class 54 Rating, Add</i>	140.45	
			<i>For Class 55 Rating, Add</i>	312.17	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,235.64	206.81
			<i>For Class 52 Rating, Deduct</i>	-211.45	
			<i>For Class 54 Rating, Add</i>	144.17	
			<i>For Class 55 Rating, Add</i>	320.45	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,288.74	209.08
			<i>For Class 52 Rating, Deduct</i>	-216.92	
			<i>For Class 54 Rating, Add</i>	147.90	
			<i>For Class 55 Rating, Add</i>	328.73	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,341.84	211.35
			<i>For Class 52 Rating, Deduct</i>	-222.38	
			<i>For Class 54 Rating, Add</i>	151.62	
			<i>For Class 55 Rating, Add</i>	337.00	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,381.87	213.62
			<i>For Class 52 Rating, Deduct</i>	-226.40	
			<i>For Class 54 Rating, Add</i>	154.37	
			<i>For Class 55 Rating, Add</i>	343.10	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,448.03	215.88
			<i>For Class 52 Rating, Deduct</i>	-233.30	
			<i>For Class 54 Rating, Add</i>	159.07	
			<i>For Class 55 Rating, Add</i>	353.56	
40 05 19 00-2641			6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	554.48	163.27
			<i>For Class 52 Rating, Deduct</i>	-33.78	
			<i>For Class 54 Rating, Add</i>	23.03	
			<i>For Class 55 Rating, Add</i>	51.19	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	615.41	165.54
			<i>For Class 52 Rating, Deduct</i>	-40.11	
			<i>For Class 54 Rating, Add</i>	27.35	
			<i>For Class 55 Rating, Add</i>	60.78	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	676.35	167.80
			<i>For Class 52 Rating, Deduct</i>	-46.43	
			<i>For Class 54 Rating, Add</i>	31.66	
			<i>For Class 55 Rating, Add</i>	70.36	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	737.29	170.08
			<i>For Class 52 Rating, Deduct</i>	-52.76	
			<i>For Class 54 Rating, Add</i>	35.97	
			<i>For Class 55 Rating, Add</i>	79.95	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	798.21	172.34
			<i>For Class 52 Rating, Deduct</i>	-59.08	
			<i>For Class 54 Rating, Add</i>	40.28	
			<i>For Class 55 Rating, Add</i>	89.53	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	859.15	174.61
			<i>For Class 52 Rating, Deduct</i>	-65.40	
			<i>For Class 54 Rating, Add</i>	44.59	
			<i>For Class 55 Rating, Add</i>	99.12	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	920.09	176.87
		<i>For Class 52 Rating, Deduct</i>	-71.73	
		<i>For Class 54 Rating, Add</i>	48.91	
		<i>For Class 55 Rating, Add</i>	108.70	
40 05 19 00-2649	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	981.03	179.15
		<i>For Class 52 Rating, Deduct</i>	-78.05	
		<i>For Class 54 Rating, Add</i>	53.22	
		<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-2650	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,041.95	181.41
		<i>For Class 52 Rating, Deduct</i>	-84.38	
		<i>For Class 54 Rating, Add</i>	57.53	
		<i>For Class 55 Rating, Add</i>	127.87	
40 05 19 00-2651	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,102.89	183.68
		<i>For Class 52 Rating, Deduct</i>	-90.70	
		<i>For Class 54 Rating, Add</i>	61.84	
		<i>For Class 55 Rating, Add</i>	137.46	
40 05 19 00-2652	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,163.83	185.94
		<i>For Class 52 Rating, Deduct</i>	-97.03	
		<i>For Class 54 Rating, Add</i>	66.16	
		<i>For Class 55 Rating, Add</i>	147.04	
40 05 19 00-2653	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,224.77	188.22
		<i>For Class 52 Rating, Deduct</i>	-103.35	
		<i>For Class 54 Rating, Add</i>	70.47	
		<i>For Class 55 Rating, Add</i>	156.63	
40 05 19 00-2654	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,285.70	190.48
		<i>For Class 52 Rating, Deduct</i>	-109.68	
		<i>For Class 54 Rating, Add</i>	74.78	
		<i>For Class 55 Rating, Add</i>	166.21	
40 05 19 00-2655	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,346.64	192.75
		<i>For Class 52 Rating, Deduct</i>	-116.00	
		<i>For Class 54 Rating, Add</i>	79.09	
		<i>For Class 55 Rating, Add</i>	175.80	
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,407.57	195.02
		<i>For Class 52 Rating, Deduct</i>	-122.33	
		<i>For Class 54 Rating, Add</i>	83.41	
		<i>For Class 55 Rating, Add</i>	185.39	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,468.50	197.29
		<i>For Class 52 Rating, Deduct</i>	-128.65	
		<i>For Class 54 Rating, Add</i>	87.72	
		<i>For Class 55 Rating, Add</i>	194.97	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,529.44	199.56
		<i>For Class 52 Rating, Deduct</i>	-134.98	
		<i>For Class 54 Rating, Add</i>	92.03	
		<i>For Class 55 Rating, Add</i>	204.56	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,590.37	201.82
		<i>For Class 52 Rating, Deduct</i>	-141.30	
		<i>For Class 54 Rating, Add</i>	96.34	
		<i>For Class 55 Rating, Add</i>	214.14	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,651.31	204.09
		<i>For Class 52 Rating, Deduct</i>	-147.63	
		<i>For Class 54 Rating, Add</i>	100.66	
		<i>For Class 55 Rating, Add</i>	223.72	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,712.24	206.35
		<i>For Class 52 Rating, Deduct</i>	-153.95	
		<i>For Class 54 Rating, Add</i>	104.97	
		<i>For Class 55 Rating, Add</i>	233.31	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,773.17	208.63
		<i>For Class 52 Rating, Deduct</i>	-160.28	
		<i>For Class 54 Rating, Add</i>	109.28	
		<i>For Class 55 Rating, Add</i>	242.90	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,834.11	210.89
		<i>For Class 52 Rating, Deduct</i>	-166.60	
		<i>For Class 54 Rating, Add</i>	113.59	
		<i>For Class 55 Rating, Add</i>	252.48	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,895.05	213.16
		<i>For Class 52 Rating, Deduct</i>	-172.93	
		<i>For Class 54 Rating, Add</i>	117.91	
		<i>For Class 55 Rating, Add</i>	262.07	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,955.98	215.42
		<i>For Class 52 Rating, Deduct</i>	-179.25	
		<i>For Class 54 Rating, Add</i>	122.22	
		<i>For Class 55 Rating, Add</i>	271.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2666	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,016.92	217.70
			<i>For Class 52 Rating, Deduct</i>	-185.58	
			<i>For Class 54 Rating, Add</i>	126.53	
			<i>For Class 55 Rating, Add</i>	281.24	
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,077.86	219.96
			<i>For Class 52 Rating, Deduct</i>	-191.90	
			<i>For Class 54 Rating, Add</i>	130.84	
			<i>For Class 55 Rating, Add</i>	290.82	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,138.80	222.23
			<i>For Class 52 Rating, Deduct</i>	-198.23	
			<i>For Class 54 Rating, Add</i>	135.16	
			<i>For Class 55 Rating, Add</i>	300.41	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,199.72	224.49
			<i>For Class 52 Rating, Deduct</i>	-204.55	
			<i>For Class 54 Rating, Add</i>	139.47	
			<i>For Class 55 Rating, Add</i>	309.99	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,260.66	226.77
			<i>For Class 52 Rating, Deduct</i>	-210.88	
			<i>For Class 54 Rating, Add</i>	143.78	
			<i>For Class 55 Rating, Add</i>	319.58	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,321.59	229.03
			<i>For Class 52 Rating, Deduct</i>	-217.20	
			<i>For Class 54 Rating, Add</i>	148.09	
			<i>For Class 55 Rating, Add</i>	329.16	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,382.53	231.30
			<i>For Class 52 Rating, Deduct</i>	-223.53	
			<i>For Class 54 Rating, Add</i>	152.41	
			<i>For Class 55 Rating, Add</i>	338.75	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,443.46	233.57
			<i>For Class 52 Rating, Deduct</i>	-229.85	
			<i>For Class 54 Rating, Add</i>	156.72	
			<i>For Class 55 Rating, Add</i>	348.33	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,504.40	235.84
			<i>For Class 52 Rating, Deduct</i>	-236.18	
			<i>For Class 54 Rating, Add</i>	161.03	
			<i>For Class 55 Rating, Add</i>	357.92	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,565.33	238.11
			<i>For Class 52 Rating, Deduct</i>	-242.50	
			<i>For Class 54 Rating, Add</i>	165.34	
			<i>For Class 55 Rating, Add</i>	367.50	
40 05 19 00-2676	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,626.27	240.37
			<i>For Class 52 Rating, Deduct</i>	-248.83	
			<i>For Class 54 Rating, Add</i>	169.66	
			<i>For Class 55 Rating, Add</i>	377.09	
40 05 19 00-2677	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,687.20	242.64
			<i>For Class 52 Rating, Deduct</i>	-255.15	
			<i>For Class 54 Rating, Add</i>	173.97	
			<i>For Class 55 Rating, Add</i>	386.67	
40 05 19 00-2678	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,748.14	244.90
			<i>For Class 52 Rating, Deduct</i>	-261.48	
			<i>For Class 54 Rating, Add</i>	178.28	
			<i>For Class 55 Rating, Add</i>	396.26	
40 05 19 00-2679	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,809.08	247.18
			<i>For Class 52 Rating, Deduct</i>	-267.80	
			<i>For Class 54 Rating, Add</i>	182.59	
			<i>For Class 55 Rating, Add</i>	405.84	
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,870.02	249.44
			<i>For Class 52 Rating, Deduct</i>	-274.13	
			<i>For Class 54 Rating, Add</i>	186.91	
			<i>For Class 55 Rating, Add</i>	415.43	
40 05 19 00-2681			8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2682	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	752.56	208.63
			<i>For Class 52 Rating, Deduct</i>	-48.01	
			<i>For Class 54 Rating, Add</i>	32.74	
			<i>For Class 55 Rating, Add</i>	72.76	
40 05 19 00-2683	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	830.49	210.89
			<i>For Class 52 Rating, Deduct</i>	-56.21	
			<i>For Class 54 Rating, Add</i>	38.32	
			<i>For Class 55 Rating, Add</i>	85.18	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2684	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	908.42	213.16
			<i>For Class 52 Rating, Deduct</i>	-64.40	
			<i>For Class 54 Rating, Add</i>	43.91	
			<i>For Class 55 Rating, Add</i>	97.59	
40 05 19 00-2685	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	986.33	215.42
			<i>For Class 52 Rating, Deduct</i>	-72.59	
			<i>For Class 54 Rating, Add</i>	49.49	
			<i>For Class 55 Rating, Add</i>	110.01	
40 05 19 00-2686	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,064.26	217.70
			<i>For Class 52 Rating, Deduct</i>	-80.79	
			<i>For Class 54 Rating, Add</i>	55.08	
			<i>For Class 55 Rating, Add</i>	122.43	
40 05 19 00-2687	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,142.19	219.96
			<i>For Class 52 Rating, Deduct</i>	-88.98	
			<i>For Class 54 Rating, Add</i>	60.67	
			<i>For Class 55 Rating, Add</i>	134.85	
40 05 19 00-2688	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,220.12	222.23
			<i>For Class 52 Rating, Deduct</i>	-97.17	
			<i>For Class 54 Rating, Add</i>	66.26	
			<i>For Class 55 Rating, Add</i>	147.26	
40 05 19 00-2689	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,298.02	224.49
			<i>For Class 52 Rating, Deduct</i>	-105.37	
			<i>For Class 54 Rating, Add</i>	71.84	
			<i>For Class 55 Rating, Add</i>	159.68	
40 05 19 00-2690	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,375.95	226.77
			<i>For Class 52 Rating, Deduct</i>	-113.56	
			<i>For Class 54 Rating, Add</i>	77.43	
			<i>For Class 55 Rating, Add</i>	172.10	
40 05 19 00-2691	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,453.88	229.03
			<i>For Class 52 Rating, Deduct</i>	-121.75	
			<i>For Class 54 Rating, Add</i>	83.01	
			<i>For Class 55 Rating, Add</i>	184.51	
40 05 19 00-2692	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,531.81	231.30
			<i>For Class 52 Rating, Deduct</i>	-129.95	
			<i>For Class 54 Rating, Add</i>	88.60	
			<i>For Class 55 Rating, Add</i>	196.93	
40 05 19 00-2693	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,609.72	233.57
			<i>For Class 52 Rating, Deduct</i>	-138.14	
			<i>For Class 54 Rating, Add</i>	94.19	
			<i>For Class 55 Rating, Add</i>	209.35	
40 05 19 00-2694	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,687.65	235.84
			<i>For Class 52 Rating, Deduct</i>	-146.34	
			<i>For Class 54 Rating, Add</i>	99.77	
			<i>For Class 55 Rating, Add</i>	221.76	
40 05 19 00-2695	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,765.57	238.11
			<i>For Class 52 Rating, Deduct</i>	-154.53	
			<i>For Class 54 Rating, Add</i>	105.36	
			<i>For Class 55 Rating, Add</i>	234.18	
40 05 19 00-2696	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,843.50	240.37
			<i>For Class 52 Rating, Deduct</i>	-162.72	
			<i>For Class 54 Rating, Add</i>	110.95	
			<i>For Class 55 Rating, Add</i>	246.60	
40 05 19 00-2697	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,921.42	242.64
			<i>For Class 52 Rating, Deduct</i>	-170.92	
			<i>For Class 54 Rating, Add</i>	116.53	
			<i>For Class 55 Rating, Add</i>	259.02	
40 05 19 00-2698	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,999.34	244.90
			<i>For Class 52 Rating, Deduct</i>	-179.11	
			<i>For Class 54 Rating, Add</i>	122.12	
			<i>For Class 55 Rating, Add</i>	271.43	
40 05 19 00-2699	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,077.27	247.18
			<i>For Class 52 Rating, Deduct</i>	-187.30	
			<i>For Class 54 Rating, Add</i>	127.71	
			<i>For Class 55 Rating, Add</i>	283.85	
40 05 19 00-2700	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,155.20	249.44
			<i>For Class 52 Rating, Deduct</i>	-195.50	
			<i>For Class 54 Rating, Add</i>	133.29	
			<i>For Class 55 Rating, Add</i>	296.27	
40 05 19 00-2701	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,233.11	251.71
			<i>For Class 52 Rating, Deduct</i>	-203.69	
			<i>For Class 54 Rating, Add</i>	138.88	
			<i>For Class 55 Rating, Add</i>	308.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,311.03	253.97
			<i>For Class 52 Rating, Deduct</i>	-211.88	
			<i>For Class 54 Rating, Add</i>	144.47	
			<i>For Class 55 Rating, Add</i>	321.10	
40 05 19 00-2703	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,388.96	256.25
			<i>For Class 52 Rating, Deduct</i>	-220.08	
			<i>For Class 54 Rating, Add</i>	150.05	
			<i>For Class 55 Rating, Add</i>	333.52	
40 05 19 00-2704	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,466.89	258.51
			<i>For Class 52 Rating, Deduct</i>	-228.27	
			<i>For Class 54 Rating, Add</i>	155.64	
			<i>For Class 55 Rating, Add</i>	345.94	
40 05 19 00-2705	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,544.81	260.78
			<i>For Class 52 Rating, Deduct</i>	-236.47	
			<i>For Class 54 Rating, Add</i>	161.23	
			<i>For Class 55 Rating, Add</i>	358.35	
40 05 19 00-2706	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,622.73	263.04
			<i>For Class 52 Rating, Deduct</i>	-244.66	
			<i>For Class 54 Rating, Add</i>	166.81	
			<i>For Class 55 Rating, Add</i>	370.77	
40 05 19 00-2707	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,700.66	265.32
			<i>For Class 52 Rating, Deduct</i>	-252.85	
			<i>For Class 54 Rating, Add</i>	172.40	
			<i>For Class 55 Rating, Add</i>	383.19	
40 05 19 00-2708	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,778.57	267.58
			<i>For Class 52 Rating, Deduct</i>	-261.05	
			<i>For Class 54 Rating, Add</i>	177.99	
			<i>For Class 55 Rating, Add</i>	395.60	
40 05 19 00-2709	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,856.50	269.85
			<i>For Class 52 Rating, Deduct</i>	-269.24	
			<i>For Class 54 Rating, Add</i>	183.57	
			<i>For Class 55 Rating, Add</i>	408.02	
40 05 19 00-2710	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,934.42	272.12
			<i>For Class 52 Rating, Deduct</i>	-277.43	
			<i>For Class 54 Rating, Add</i>	189.16	
			<i>For Class 55 Rating, Add</i>	420.44	
40 05 19 00-2711	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,012.35	274.39
			<i>For Class 52 Rating, Deduct</i>	-285.63	
			<i>For Class 54 Rating, Add</i>	194.75	
			<i>For Class 55 Rating, Add</i>	432.85	
40 05 19 00-2712	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,090.27	276.66
			<i>For Class 52 Rating, Deduct</i>	-293.82	
			<i>For Class 54 Rating, Add</i>	200.33	
			<i>For Class 55 Rating, Add</i>	445.27	
40 05 19 00-2713	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,168.20	278.92
			<i>For Class 52 Rating, Deduct</i>	-302.01	
			<i>For Class 54 Rating, Add</i>	205.92	
			<i>For Class 55 Rating, Add</i>	457.69	
40 05 19 00-2714	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,246.11	281.19
			<i>For Class 52 Rating, Deduct</i>	-310.21	
			<i>For Class 54 Rating, Add</i>	211.51	
			<i>For Class 55 Rating, Add</i>	470.11	
40 05 19 00-2715	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,324.04	283.45
			<i>For Class 52 Rating, Deduct</i>	-318.40	
			<i>For Class 54 Rating, Add</i>	217.09	
			<i>For Class 55 Rating, Add</i>	482.52	
40 05 19 00-2716	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,401.96	285.73
			<i>For Class 52 Rating, Deduct</i>	-326.60	
			<i>For Class 54 Rating, Add</i>	222.68	
			<i>For Class 55 Rating, Add</i>	494.94	
40 05 19 00-2717	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,479.89	287.99
			<i>For Class 52 Rating, Deduct</i>	-334.79	
			<i>For Class 54 Rating, Add</i>	228.27	
			<i>For Class 55 Rating, Add</i>	507.36	
40 05 19 00-2718	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,557.81	290.26
			<i>For Class 52 Rating, Deduct</i>	-342.98	
			<i>For Class 54 Rating, Add</i>	233.85	
			<i>For Class 55 Rating, Add</i>	519.77	
40 05 19 00-2719	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,635.74	292.52
			<i>For Class 52 Rating, Deduct</i>	-351.18	
			<i>For Class 54 Rating, Add</i>	239.44	
			<i>For Class 55 Rating, Add</i>	532.19	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,713.66	294.80
		<i>For Class 52 Rating, Deduct</i>	-359.37	
		<i>For Class 54 Rating, Add</i>	245.03	
		<i>For Class 55 Rating, Add</i>	544.61	
40 05 19 00-2721		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2600)		
40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	941.51	253.97
		<i>For Class 52 Rating, Deduct</i>	-61.24	
		<i>For Class 54 Rating, Add</i>	41.75	
		<i>For Class 55 Rating, Add</i>	92.80	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,041.65	256.25
		<i>For Class 52 Rating, Deduct</i>	-71.87	
		<i>For Class 54 Rating, Add</i>	49.01	
		<i>For Class 55 Rating, Add</i>	108.92	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,141.79	258.51
		<i>For Class 52 Rating, Deduct</i>	-82.51	
		<i>For Class 54 Rating, Add</i>	56.26	
		<i>For Class 55 Rating, Add</i>	125.04	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,241.93	260.78
		<i>For Class 52 Rating, Deduct</i>	-93.15	
		<i>For Class 54 Rating, Add</i>	63.51	
		<i>For Class 55 Rating, Add</i>	141.16	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,342.07	263.04
		<i>For Class 52 Rating, Deduct</i>	-103.79	
		<i>For Class 54 Rating, Add</i>	70.76	
		<i>For Class 55 Rating, Add</i>	157.28	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,442.21	265.32
		<i>For Class 52 Rating, Deduct</i>	-114.42	
		<i>For Class 54 Rating, Add</i>	78.02	
		<i>For Class 55 Rating, Add</i>	173.40	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,542.34	267.58
		<i>For Class 52 Rating, Deduct</i>	-125.06	
		<i>For Class 54 Rating, Add</i>	85.27	
		<i>For Class 55 Rating, Add</i>	189.52	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,642.48	269.85
		<i>For Class 52 Rating, Deduct</i>	-135.70	
		<i>For Class 54 Rating, Add</i>	92.52	
		<i>For Class 55 Rating, Add</i>	205.64	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,742.62	272.12
		<i>For Class 52 Rating, Deduct</i>	-146.34	
		<i>For Class 54 Rating, Add</i>	99.77	
		<i>For Class 55 Rating, Add</i>	221.76	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,842.77	274.39
		<i>For Class 52 Rating, Deduct</i>	-156.97	
		<i>For Class 54 Rating, Add</i>	107.03	
		<i>For Class 55 Rating, Add</i>	237.89	
40 05 19 00-2732	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,942.90	276.66
		<i>For Class 52 Rating, Deduct</i>	-167.61	
		<i>For Class 54 Rating, Add</i>	114.28	
		<i>For Class 55 Rating, Add</i>	254.01	
40 05 19 00-2733	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,043.04	278.92
		<i>For Class 52 Rating, Deduct</i>	-178.25	
		<i>For Class 54 Rating, Add</i>	121.53	
		<i>For Class 55 Rating, Add</i>	270.13	
40 05 19 00-2734	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,143.18	281.19
		<i>For Class 52 Rating, Deduct</i>	-188.89	
		<i>For Class 54 Rating, Add</i>	128.79	
		<i>For Class 55 Rating, Add</i>	286.25	
40 05 19 00-2735	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,243.32	283.45
		<i>For Class 52 Rating, Deduct</i>	-199.52	
		<i>For Class 54 Rating, Add</i>	136.04	
		<i>For Class 55 Rating, Add</i>	302.37	
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,343.45	285.73
		<i>For Class 52 Rating, Deduct</i>	-210.16	
		<i>For Class 54 Rating, Add</i>	143.29	
		<i>For Class 55 Rating, Add</i>	318.49	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,443.59	287.99
		<i>For Class 52 Rating, Deduct</i>	-220.80	
		<i>For Class 54 Rating, Add</i>	150.54	
		<i>For Class 55 Rating, Add</i>	334.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2738	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,543.74	290.26
			<i>For Class 52 Rating, Deduct</i>	-231.43	
			<i>For Class 54 Rating, Add</i>	157.80	
			<i>For Class 55 Rating, Add</i>	350.73	
40 05 19 00-2739	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,643.88	292.52
			<i>For Class 52 Rating, Deduct</i>	-242.07	
			<i>For Class 54 Rating, Add</i>	165.05	
			<i>For Class 55 Rating, Add</i>	366.85	
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,744.01	294.80
			<i>For Class 52 Rating, Deduct</i>	-252.71	
			<i>For Class 54 Rating, Add</i>	172.30	
			<i>For Class 55 Rating, Add</i>	382.97	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,844.15	297.06
			<i>For Class 52 Rating, Deduct</i>	-263.35	
			<i>For Class 54 Rating, Add</i>	179.55	
			<i>For Class 55 Rating, Add</i>	399.09	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,944.29	299.33
			<i>For Class 52 Rating, Deduct</i>	-273.98	
			<i>For Class 54 Rating, Add</i>	186.81	
			<i>For Class 55 Rating, Add</i>	415.21	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,044.43	301.59
			<i>For Class 52 Rating, Deduct</i>	-284.62	
			<i>For Class 54 Rating, Add</i>	194.06	
			<i>For Class 55 Rating, Add</i>	431.33	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,144.57	303.87
			<i>For Class 52 Rating, Deduct</i>	-295.26	
			<i>For Class 54 Rating, Add</i>	201.31	
			<i>For Class 55 Rating, Add</i>	447.45	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,244.71	306.13
			<i>For Class 52 Rating, Deduct</i>	-305.90	
			<i>For Class 54 Rating, Add</i>	208.57	
			<i>For Class 55 Rating, Add</i>	463.57	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,344.85	308.40
			<i>For Class 52 Rating, Deduct</i>	-316.53	
			<i>For Class 54 Rating, Add</i>	215.82	
			<i>For Class 55 Rating, Add</i>	479.69	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,444.99	310.67
			<i>For Class 52 Rating, Deduct</i>	-327.17	
			<i>For Class 54 Rating, Add</i>	223.07	
			<i>For Class 55 Rating, Add</i>	495.81	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,545.12	312.94
			<i>For Class 52 Rating, Deduct</i>	-337.81	
			<i>For Class 54 Rating, Add</i>	230.32	
			<i>For Class 55 Rating, Add</i>	511.93	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,645.26	315.21
			<i>For Class 52 Rating, Deduct</i>	-348.44	
			<i>For Class 54 Rating, Add</i>	237.58	
			<i>For Class 55 Rating, Add</i>	528.05	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,745.41	317.47
			<i>For Class 52 Rating, Deduct</i>	-359.08	
			<i>For Class 54 Rating, Add</i>	244.83	
			<i>For Class 55 Rating, Add</i>	544.17	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,845.55	319.74
			<i>For Class 52 Rating, Deduct</i>	-369.72	
			<i>For Class 54 Rating, Add</i>	252.08	
			<i>For Class 55 Rating, Add</i>	560.29	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,945.68	322.01
			<i>For Class 52 Rating, Deduct</i>	-380.36	
			<i>For Class 54 Rating, Add</i>	259.33	
			<i>For Class 55 Rating, Add</i>	576.41	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,045.82	324.28
			<i>For Class 52 Rating, Deduct</i>	-391.00	
			<i>For Class 54 Rating, Add</i>	266.59	
			<i>For Class 55 Rating, Add</i>	592.54	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,145.96	326.54
			<i>For Class 52 Rating, Deduct</i>	-401.63	
			<i>For Class 54 Rating, Add</i>	273.84	
			<i>For Class 55 Rating, Add</i>	608.66	
40 05 19 00-2755	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,246.10	328.81
			<i>For Class 52 Rating, Deduct</i>	-412.27	
			<i>For Class 54 Rating, Add</i>	281.09	
			<i>For Class 55 Rating, Add</i>	624.77	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2756	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,346.24	331.07
			<i>For Class 52 Rating, Deduct</i>	-422.91	
			<i>For Class 54 Rating, Add</i>	288.35	
			<i>For Class 55 Rating, Add</i>	640.90	
40 05 19 00-2757	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,446.38	333.35
			<i>For Class 52 Rating, Deduct</i>	-433.54	
			<i>For Class 54 Rating, Add</i>	295.60	
			<i>For Class 55 Rating, Add</i>	657.02	
40 05 19 00-2758	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,546.52	335.61
			<i>For Class 52 Rating, Deduct</i>	-444.18	
			<i>For Class 54 Rating, Add</i>	302.85	
			<i>For Class 55 Rating, Add</i>	673.14	
40 05 19 00-2759	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,646.66	337.88
			<i>For Class 52 Rating, Deduct</i>	-454.82	
			<i>For Class 54 Rating, Add</i>	310.10	
			<i>For Class 55 Rating, Add</i>	689.26	
40 05 19 00-2760	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,746.79	340.14
			<i>For Class 52 Rating, Deduct</i>	-465.46	
			<i>For Class 54 Rating, Add</i>	317.36	
			<i>For Class 55 Rating, Add</i>	705.38	
40 05 19 00-2761			12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2762	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,212.83	317.47
			<i>For Class 52 Rating, Deduct</i>	-80.50	
			<i>For Class 54 Rating, Add</i>	54.89	
			<i>For Class 55 Rating, Add</i>	121.99	
40 05 19 00-2763	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,336.49	319.74
			<i>For Class 52 Rating, Deduct</i>	-93.72	
			<i>For Class 54 Rating, Add</i>	63.90	
			<i>For Class 55 Rating, Add</i>	142.03	
40 05 19 00-2764	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,460.15	322.01
			<i>For Class 52 Rating, Deduct</i>	-106.95	
			<i>For Class 54 Rating, Add</i>	72.92	
			<i>For Class 55 Rating, Add</i>	162.08	
40 05 19 00-2765	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,583.80	324.28
			<i>For Class 52 Rating, Deduct</i>	-120.17	
			<i>For Class 54 Rating, Add</i>	81.94	
			<i>For Class 55 Rating, Add</i>	182.12	
40 05 19 00-2766	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,707.47	326.54
			<i>For Class 52 Rating, Deduct</i>	-133.40	
			<i>For Class 54 Rating, Add</i>	90.95	
			<i>For Class 55 Rating, Add</i>	202.16	
40 05 19 00-2767	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,831.14	328.81
			<i>For Class 52 Rating, Deduct</i>	-146.62	
			<i>For Class 54 Rating, Add</i>	99.97	
			<i>For Class 55 Rating, Add</i>	222.20	
40 05 19 00-2768	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,954.79	331.07
			<i>For Class 52 Rating, Deduct</i>	-159.85	
			<i>For Class 54 Rating, Add</i>	108.99	
			<i>For Class 55 Rating, Add</i>	242.24	
40 05 19 00-2769	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,078.46	333.35
			<i>For Class 52 Rating, Deduct</i>	-173.07	
			<i>For Class 54 Rating, Add</i>	118.00	
			<i>For Class 55 Rating, Add</i>	262.28	
40 05 19 00-2770	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,202.12	335.61
			<i>For Class 52 Rating, Deduct</i>	-186.30	
			<i>For Class 54 Rating, Add</i>	127.02	
			<i>For Class 55 Rating, Add</i>	282.32	
40 05 19 00-2771	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,325.78	337.88
			<i>For Class 52 Rating, Deduct</i>	-199.52	
			<i>For Class 54 Rating, Add</i>	136.04	
			<i>For Class 55 Rating, Add</i>	302.37	
40 05 19 00-2772	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,449.43	340.14
			<i>For Class 52 Rating, Deduct</i>	-212.75	
			<i>For Class 54 Rating, Add</i>	145.05	
			<i>For Class 55 Rating, Add</i>	322.41	
40 05 19 00-2773	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,573.10	342.42
			<i>For Class 52 Rating, Deduct</i>	-225.97	
			<i>For Class 54 Rating, Add</i>	154.07	
			<i>For Class 55 Rating, Add</i>	342.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.77	344.68
			<i>For Class 52 Rating, Deduct</i>	-239.20	
			<i>For Class 54 Rating, Add</i>	163.09	
			<i>For Class 55 Rating, Add</i>	362.49	
40 05 19 00-2775	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,820.42	346.95
			<i>For Class 52 Rating, Deduct</i>	-252.42	
			<i>For Class 54 Rating, Add</i>	172.11	
			<i>For Class 55 Rating, Add</i>	382.53	
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,944.09	349.22
			<i>For Class 52 Rating, Deduct</i>	-265.65	
			<i>For Class 54 Rating, Add</i>	181.12	
			<i>For Class 55 Rating, Add</i>	402.58	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,067.75	351.49
			<i>For Class 52 Rating, Deduct</i>	-278.87	
			<i>For Class 54 Rating, Add</i>	190.14	
			<i>For Class 55 Rating, Add</i>	422.62	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,191.41	353.76
			<i>For Class 52 Rating, Deduct</i>	-292.10	
			<i>For Class 54 Rating, Add</i>	199.16	
			<i>For Class 55 Rating, Add</i>	442.66	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,315.06	356.02
			<i>For Class 52 Rating, Deduct</i>	-305.32	
			<i>For Class 54 Rating, Add</i>	208.17	
			<i>For Class 55 Rating, Add</i>	462.70	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,438.73	358.29
			<i>For Class 52 Rating, Deduct</i>	-318.55	
			<i>For Class 54 Rating, Add</i>	217.19	
			<i>For Class 55 Rating, Add</i>	482.74	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,562.39	360.56
			<i>For Class 52 Rating, Deduct</i>	-331.77	
			<i>For Class 54 Rating, Add</i>	226.21	
			<i>For Class 55 Rating, Add</i>	502.78	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,686.06	362.83
			<i>For Class 52 Rating, Deduct</i>	-345.00	
			<i>For Class 54 Rating, Add</i>	235.22	
			<i>For Class 55 Rating, Add</i>	522.82	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,809.72	365.09
			<i>For Class 52 Rating, Deduct</i>	-358.22	
			<i>For Class 54 Rating, Add</i>	244.24	
			<i>For Class 55 Rating, Add</i>	542.87	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,933.37	367.36
			<i>For Class 52 Rating, Deduct</i>	-371.44	
			<i>For Class 54 Rating, Add</i>	253.26	
			<i>For Class 55 Rating, Add</i>	562.91	
40 05 19 00-2785	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,057.04	369.62
			<i>For Class 52 Rating, Deduct</i>	-384.67	
			<i>For Class 54 Rating, Add</i>	262.28	
			<i>For Class 55 Rating, Add</i>	582.95	
40 05 19 00-2786	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,180.70	371.90
			<i>For Class 52 Rating, Deduct</i>	-397.89	
			<i>For Class 54 Rating, Add</i>	271.29	
			<i>For Class 55 Rating, Add</i>	602.99	
40 05 19 00-2787	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,304.36	374.16
			<i>For Class 52 Rating, Deduct</i>	-411.12	
			<i>For Class 54 Rating, Add</i>	280.31	
			<i>For Class 55 Rating, Add</i>	623.03	
40 05 19 00-2788	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,428.02	376.43
			<i>For Class 52 Rating, Deduct</i>	-424.34	
			<i>For Class 54 Rating, Add</i>	289.33	
			<i>For Class 55 Rating, Add</i>	643.07	
40 05 19 00-2789	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,551.69	378.69
			<i>For Class 52 Rating, Deduct</i>	-437.57	
			<i>For Class 54 Rating, Add</i>	298.34	
			<i>For Class 55 Rating, Add</i>	663.12	
40 05 19 00-2790	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,675.35	380.97
			<i>For Class 52 Rating, Deduct</i>	-450.79	
			<i>For Class 54 Rating, Add</i>	307.36	
			<i>For Class 55 Rating, Add</i>	683.16	
40 05 19 00-2791	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,799.00	383.23
			<i>For Class 52 Rating, Deduct</i>	-464.02	
			<i>For Class 54 Rating, Add</i>	316.38	
			<i>For Class 55 Rating, Add</i>	703.20	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,922.67	385.50
		<i>For Class 52 Rating, Deduct</i>	-477.24	
		<i>For Class 54 Rating, Add</i>	325.39	
		<i>For Class 55 Rating, Add</i>	723.24	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,046.33	387.77
		<i>For Class 52 Rating, Deduct</i>	-490.47	
		<i>For Class 54 Rating, Add</i>	334.41	
		<i>For Class 55 Rating, Add</i>	743.28	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,170.00	390.04
		<i>For Class 52 Rating, Deduct</i>	-503.69	
		<i>For Class 54 Rating, Add</i>	343.43	
		<i>For Class 55 Rating, Add</i>	763.32	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,293.65	392.31
		<i>For Class 52 Rating, Deduct</i>	-516.92	
		<i>For Class 54 Rating, Add</i>	352.44	
		<i>For Class 55 Rating, Add</i>	783.36	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,417.32	394.57
		<i>For Class 52 Rating, Deduct</i>	-530.14	
		<i>For Class 54 Rating, Add</i>	361.46	
		<i>For Class 55 Rating, Add</i>	803.41	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,540.97	396.84
		<i>For Class 52 Rating, Deduct</i>	-543.37	
		<i>For Class 54 Rating, Add</i>	370.48	
		<i>For Class 55 Rating, Add</i>	823.45	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,664.63	399.11
		<i>For Class 52 Rating, Deduct</i>	-556.59	
		<i>For Class 54 Rating, Add</i>	379.49	
		<i>For Class 55 Rating, Add</i>	843.49	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,788.30	401.38
		<i>For Class 52 Rating, Deduct</i>	-569.82	
		<i>For Class 54 Rating, Add</i>	388.51	
		<i>For Class 55 Rating, Add</i>	863.53	
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,911.96	403.64
		<i>For Class 52 Rating, Deduct</i>	-583.04	
		<i>For Class 54 Rating, Add</i>	397.53	
		<i>For Class 55 Rating, Add</i>	883.57	

40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2600)

40 05 19 00-2802	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,656.65	380.97
		<i>For Class 52 Rating, Deduct</i>	-118.74	
		<i>For Class 54 Rating, Add</i>	80.96	
		<i>For Class 55 Rating, Add</i>	179.94	
40 05 19 00-2803	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,806.43	383.23
		<i>For Class 52 Rating, Deduct</i>	-134.84	
		<i>For Class 54 Rating, Add</i>	91.93	
		<i>For Class 55 Rating, Add</i>	204.34	
40 05 19 00-2804	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,956.23	385.50
		<i>For Class 52 Rating, Deduct</i>	-150.94	
		<i>For Class 54 Rating, Add</i>	102.91	
		<i>For Class 55 Rating, Add</i>	228.74	
40 05 19 00-2805	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,106.03	387.77
		<i>For Class 52 Rating, Deduct</i>	-167.04	
		<i>For Class 54 Rating, Add</i>	113.89	
		<i>For Class 55 Rating, Add</i>	253.13	
40 05 19 00-2806	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,255.83	390.04
		<i>For Class 52 Rating, Deduct</i>	-183.13	
		<i>For Class 54 Rating, Add</i>	124.86	
		<i>For Class 55 Rating, Add</i>	277.53	
40 05 19 00-2807	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,405.62	392.31
		<i>For Class 52 Rating, Deduct</i>	-199.23	
		<i>For Class 54 Rating, Add</i>	135.84	
		<i>For Class 55 Rating, Add</i>	301.93	
40 05 19 00-2808	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,555.43	394.57
		<i>For Class 52 Rating, Deduct</i>	-215.33	
		<i>For Class 54 Rating, Add</i>	146.82	
		<i>For Class 55 Rating, Add</i>	326.33	
40 05 19 00-2809	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,705.22	396.84
		<i>For Class 52 Rating, Deduct</i>	-231.43	
		<i>For Class 54 Rating, Add</i>	157.80	
		<i>For Class 55 Rating, Add</i>	350.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2810	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,855.01	399.11
			<i>For Class 52 Rating, Deduct</i>	-247.53	
			<i>For Class 54 Rating, Add</i>	168.77	
			<i>For Class 55 Rating, Add</i>	375.13	
40 05 19 00-2811	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,004.81	401.38
			<i>For Class 52 Rating, Deduct</i>	-263.63	
			<i>For Class 54 Rating, Add</i>	179.75	
			<i>For Class 55 Rating, Add</i>	399.52	
40 05 19 00-2812	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,154.61	403.64
			<i>For Class 52 Rating, Deduct</i>	-279.73	
			<i>For Class 54 Rating, Add</i>	190.73	
			<i>For Class 55 Rating, Add</i>	423.92	
40 05 19 00-2813	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,304.41	405.91
			<i>For Class 52 Rating, Deduct</i>	-295.83	
			<i>For Class 54 Rating, Add</i>	201.70	
			<i>For Class 55 Rating, Add</i>	448.32	
40 05 19 00-2814	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,454.21	408.17
			<i>For Class 52 Rating, Deduct</i>	-311.93	
			<i>For Class 54 Rating, Add</i>	212.68	
			<i>For Class 55 Rating, Add</i>	472.72	
40 05 19 00-2815	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,604.00	410.45
			<i>For Class 52 Rating, Deduct</i>	-328.03	
			<i>For Class 54 Rating, Add</i>	223.66	
			<i>For Class 55 Rating, Add</i>	497.12	
40 05 19 00-2816	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,753.80	412.71
			<i>For Class 52 Rating, Deduct</i>	-344.13	
			<i>For Class 54 Rating, Add</i>	234.64	
			<i>For Class 55 Rating, Add</i>	521.52	
40 05 19 00-2817	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,903.60	414.98
			<i>For Class 52 Rating, Deduct</i>	-360.23	
			<i>For Class 54 Rating, Add</i>	245.61	
			<i>For Class 55 Rating, Add</i>	545.92	
40 05 19 00-2818	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,053.39	417.24
			<i>For Class 52 Rating, Deduct</i>	-376.33	
			<i>For Class 54 Rating, Add</i>	256.59	
			<i>For Class 55 Rating, Add</i>	570.31	
40 05 19 00-2819	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,203.19	419.52
			<i>For Class 52 Rating, Deduct</i>	-392.43	
			<i>For Class 54 Rating, Add</i>	267.57	
			<i>For Class 55 Rating, Add</i>	594.71	
40 05 19 00-2820	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,353.00	421.78
			<i>For Class 52 Rating, Deduct</i>	-408.53	
			<i>For Class 54 Rating, Add</i>	278.54	
			<i>For Class 55 Rating, Add</i>	619.11	
40 05 19 00-2821	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,502.80	424.05
			<i>For Class 52 Rating, Deduct</i>	-424.63	
			<i>For Class 54 Rating, Add</i>	289.52	
			<i>For Class 55 Rating, Add</i>	643.51	
40 05 19 00-2822	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,652.58	426.32
			<i>For Class 52 Rating, Deduct</i>	-440.73	
			<i>For Class 54 Rating, Add</i>	300.50	
			<i>For Class 55 Rating, Add</i>	667.91	
40 05 19 00-2823	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,802.38	428.59
			<i>For Class 52 Rating, Deduct</i>	-456.83	
			<i>For Class 54 Rating, Add</i>	311.48	
			<i>For Class 55 Rating, Add</i>	692.31	
40 05 19 00-2824	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,952.18	430.86
			<i>For Class 52 Rating, Deduct</i>	-472.93	
			<i>For Class 54 Rating, Add</i>	322.45	
			<i>For Class 55 Rating, Add</i>	716.70	
40 05 19 00-2825	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,101.98	433.12
			<i>For Class 52 Rating, Deduct</i>	-489.03	
			<i>For Class 54 Rating, Add</i>	333.43	
			<i>For Class 55 Rating, Add</i>	741.10	
40 05 19 00-2826	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.78	435.39
			<i>For Class 52 Rating, Deduct</i>	-505.13	
			<i>For Class 54 Rating, Add</i>	344.41	
			<i>For Class 55 Rating, Add</i>	765.50	
40 05 19 00-2827	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,401.58	437.66
			<i>For Class 52 Rating, Deduct</i>	-521.23	
			<i>For Class 54 Rating, Add</i>	355.38	
			<i>For Class 55 Rating, Add</i>	789.90	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,551.37	439.93
		<i>For Class 52 Rating, Deduct</i>	-537.33	
		<i>For Class 54 Rating, Add</i>	366.36	
		<i>For Class 55 Rating, Add</i>	814.30	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,701.17	442.19
		<i>For Class 52 Rating, Deduct</i>	-553.43	
		<i>For Class 54 Rating, Add</i>	377.34	
		<i>For Class 55 Rating, Add</i>	838.70	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,850.96	444.46
		<i>For Class 52 Rating, Deduct</i>	-569.53	
		<i>For Class 54 Rating, Add</i>	388.32	
		<i>For Class 55 Rating, Add</i>	863.10	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,000.76	446.72
		<i>For Class 52 Rating, Deduct</i>	-585.63	
		<i>For Class 54 Rating, Add</i>	399.29	
		<i>For Class 55 Rating, Add</i>	887.49	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,150.56	449.00
		<i>For Class 52 Rating, Deduct</i>	-601.73	
		<i>For Class 54 Rating, Add</i>	410.27	
		<i>For Class 55 Rating, Add</i>	911.89	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,300.37	451.26
		<i>For Class 52 Rating, Deduct</i>	-617.83	
		<i>For Class 54 Rating, Add</i>	421.25	
		<i>For Class 55 Rating, Add</i>	936.29	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,450.15	453.53
		<i>For Class 52 Rating, Deduct</i>	-633.93	
		<i>For Class 54 Rating, Add</i>	432.22	
		<i>For Class 55 Rating, Add</i>	960.69	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,599.95	455.79
		<i>For Class 52 Rating, Deduct</i>	-650.03	
		<i>For Class 54 Rating, Add</i>	443.20	
		<i>For Class 55 Rating, Add</i>	985.09	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,749.75	458.07
		<i>For Class 52 Rating, Deduct</i>	-666.13	
		<i>For Class 54 Rating, Add</i>	454.18	
		<i>For Class 55 Rating, Add</i>	1,009.49	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,899.54	460.33
		<i>For Class 52 Rating, Deduct</i>	-682.23	
		<i>For Class 54 Rating, Add</i>	465.16	
		<i>For Class 55 Rating, Add</i>	1,033.89	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,049.34	462.60
		<i>For Class 52 Rating, Deduct</i>	-698.33	
		<i>For Class 54 Rating, Add</i>	476.13	
		<i>For Class 55 Rating, Add</i>	1,058.28	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,199.15	464.87
		<i>For Class 52 Rating, Deduct</i>	-714.43	
		<i>For Class 54 Rating, Add</i>	487.11	
		<i>For Class 55 Rating, Add</i>	1,082.68	

40 05 19 00-2840 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2800)

40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,933.81	435.39
		<i>For Class 52 Rating, Deduct</i>	-140.15	
		<i>For Class 54 Rating, Add</i>	95.56	
		<i>For Class 55 Rating, Add</i>	212.40	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,107.13	437.66
		<i>For Class 52 Rating, Deduct</i>	-158.84	
		<i>For Class 54 Rating, Add</i>	108.30	
		<i>For Class 55 Rating, Add</i>	240.72	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,280.45	439.93
		<i>For Class 52 Rating, Deduct</i>	-177.53	
		<i>For Class 54 Rating, Add</i>	121.04	
		<i>For Class 55 Rating, Add</i>	269.04	
40 05 19 00-2844	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,453.77	442.19
		<i>For Class 52 Rating, Deduct</i>	-196.22	
		<i>For Class 54 Rating, Add</i>	133.78	
		<i>For Class 55 Rating, Add</i>	297.36	
40 05 19 00-2845	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,627.09	444.46
		<i>For Class 52 Rating, Deduct</i>	-214.90	
		<i>For Class 54 Rating, Add</i>	146.53	
		<i>For Class 55 Rating, Add</i>	325.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2846	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,800.41	446.72
			<i>For Class 52 Rating, Deduct</i>	-233.59	
			<i>For Class 54 Rating, Add</i>	159.27	
			<i>For Class 55 Rating, Add</i>	354.00	
40 05 19 00-2847	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,973.73	449.00
			<i>For Class 52 Rating, Deduct</i>	-252.28	
			<i>For Class 54 Rating, Add</i>	172.01	
			<i>For Class 55 Rating, Add</i>	382.31	
40 05 19 00-2848	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,147.06	451.26
			<i>For Class 52 Rating, Deduct</i>	-270.97	
			<i>For Class 54 Rating, Add</i>	184.75	
			<i>For Class 55 Rating, Add</i>	410.64	
40 05 19 00-2849	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,320.36	453.53
			<i>For Class 52 Rating, Deduct</i>	-289.65	
			<i>For Class 54 Rating, Add</i>	197.49	
			<i>For Class 55 Rating, Add</i>	438.95	
40 05 19 00-2850	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,493.69	455.79
			<i>For Class 52 Rating, Deduct</i>	-308.34	
			<i>For Class 54 Rating, Add</i>	210.23	
			<i>For Class 55 Rating, Add</i>	467.28	
40 05 19 00-2851	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,667.01	458.07
			<i>For Class 52 Rating, Deduct</i>	-327.03	
			<i>For Class 54 Rating, Add</i>	222.97	
			<i>For Class 55 Rating, Add</i>	495.59	
40 05 19 00-2852	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,840.32	460.33
			<i>For Class 52 Rating, Deduct</i>	-345.71	
			<i>For Class 54 Rating, Add</i>	235.71	
			<i>For Class 55 Rating, Add</i>	523.91	
40 05 19 00-2853	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,013.65	462.60
			<i>For Class 52 Rating, Deduct</i>	-364.40	
			<i>For Class 54 Rating, Add</i>	248.46	
			<i>For Class 55 Rating, Add</i>	552.23	
40 05 19 00-2854	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,186.97	464.87
			<i>For Class 52 Rating, Deduct</i>	-383.09	
			<i>For Class 54 Rating, Add</i>	261.20	
			<i>For Class 55 Rating, Add</i>	580.55	
40 05 19 00-2855	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,360.30	467.14
			<i>For Class 52 Rating, Deduct</i>	-401.78	
			<i>For Class 54 Rating, Add</i>	273.94	
			<i>For Class 55 Rating, Add</i>	608.87	
40 05 19 00-2856	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,533.60	469.41
			<i>For Class 52 Rating, Deduct</i>	-420.46	
			<i>For Class 54 Rating, Add</i>	286.68	
			<i>For Class 55 Rating, Add</i>	637.19	
40 05 19 00-2857	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,706.92	471.67
			<i>For Class 52 Rating, Deduct</i>	-439.15	
			<i>For Class 54 Rating, Add</i>	299.42	
			<i>For Class 55 Rating, Add</i>	665.51	
40 05 19 00-2858	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,880.25	473.94
			<i>For Class 52 Rating, Deduct</i>	-457.84	
			<i>For Class 54 Rating, Add</i>	312.16	
			<i>For Class 55 Rating, Add</i>	693.83	
40 05 19 00-2859	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,053.57	476.21
			<i>For Class 52 Rating, Deduct</i>	-476.52	
			<i>For Class 54 Rating, Add</i>	324.90	
			<i>For Class 55 Rating, Add</i>	722.15	
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,226.89	478.48
			<i>For Class 52 Rating, Deduct</i>	-495.21	
			<i>For Class 54 Rating, Add</i>	337.64	
			<i>For Class 55 Rating, Add</i>	750.47	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,400.21	480.74
			<i>For Class 52 Rating, Deduct</i>	-513.90	
			<i>For Class 54 Rating, Add</i>	350.39	
			<i>For Class 55 Rating, Add</i>	778.79	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,573.52	483.01
			<i>For Class 52 Rating, Deduct</i>	-532.59	
			<i>For Class 54 Rating, Add</i>	363.13	
			<i>For Class 55 Rating, Add</i>	807.11	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,746.85	485.27
			<i>For Class 52 Rating, Deduct</i>	-551.27	
			<i>For Class 54 Rating, Add</i>	375.87	
			<i>For Class 55 Rating, Add</i>	835.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,920.16	487.55
			<i>For Class 52 Rating, Deduct</i>	-569.96	
			<i>For Class 54 Rating, Add</i>	388.61	
			<i>For Class 55 Rating, Add</i>	863.75	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,093.49	489.81
			<i>For Class 52 Rating, Deduct</i>	-588.65	
			<i>For Class 54 Rating, Add</i>	401.35	
			<i>For Class 55 Rating, Add</i>	892.07	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,266.81	492.08
			<i>For Class 52 Rating, Deduct</i>	-607.34	
			<i>For Class 54 Rating, Add</i>	414.09	
			<i>For Class 55 Rating, Add</i>	920.39	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,440.13	494.34
			<i>For Class 52 Rating, Deduct</i>	-626.02	
			<i>For Class 54 Rating, Add</i>	426.83	
			<i>For Class 55 Rating, Add</i>	948.71	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,613.44	496.62
			<i>For Class 52 Rating, Deduct</i>	-644.71	
			<i>For Class 54 Rating, Add</i>	439.58	
			<i>For Class 55 Rating, Add</i>	977.03	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,786.76	498.88
			<i>For Class 52 Rating, Deduct</i>	-663.40	
			<i>For Class 54 Rating, Add</i>	452.32	
			<i>For Class 55 Rating, Add</i>	1,005.35	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,960.09	501.15
			<i>For Class 52 Rating, Deduct</i>	-682.08	
			<i>For Class 54 Rating, Add</i>	465.06	
			<i>For Class 55 Rating, Add</i>	1,033.67	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,133.41	503.42
			<i>For Class 52 Rating, Deduct</i>	-700.77	
			<i>For Class 54 Rating, Add</i>	477.80	
			<i>For Class 55 Rating, Add</i>	1,061.99	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,306.72	505.69
			<i>For Class 52 Rating, Deduct</i>	-719.46	
			<i>For Class 54 Rating, Add</i>	490.54	
			<i>For Class 55 Rating, Add</i>	1,090.31	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,480.05	507.96
			<i>For Class 52 Rating, Deduct</i>	-738.15	
			<i>For Class 54 Rating, Add</i>	503.28	
			<i>For Class 55 Rating, Add</i>	1,118.63	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,653.37	510.22
			<i>For Class 52 Rating, Deduct</i>	-756.83	
			<i>For Class 54 Rating, Add</i>	516.02	
			<i>For Class 55 Rating, Add</i>	1,146.95	
40 05 19 00-2875	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,826.69	512.49
			<i>For Class 52 Rating, Deduct</i>	-775.52	
			<i>For Class 54 Rating, Add</i>	528.76	
			<i>For Class 55 Rating, Add</i>	1,175.27	
40 05 19 00-2876	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,000.00	514.76
			<i>For Class 52 Rating, Deduct</i>	-794.21	
			<i>For Class 54 Rating, Add</i>	541.51	
			<i>For Class 55 Rating, Add</i>	1,203.59	
40 05 19 00-2877	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,173.32	517.03
			<i>For Class 52 Rating, Deduct</i>	-812.89	
			<i>For Class 54 Rating, Add</i>	554.25	
			<i>For Class 55 Rating, Add</i>	1,231.90	
40 05 19 00-2878	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,346.65	519.29
			<i>For Class 52 Rating, Deduct</i>	-831.58	
			<i>For Class 54 Rating, Add</i>	566.99	
			<i>For Class 55 Rating, Add</i>	1,260.23	
40 05 19 00-2879			18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2880	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,252.86	490.72
			<i>For Class 52 Rating, Deduct</i>	-166.03	
			<i>For Class 54 Rating, Add</i>	113.20	
			<i>For Class 55 Rating, Add</i>	251.61	
40 05 19 00-2881	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,452.32	492.99
			<i>For Class 52 Rating, Deduct</i>	-187.59	
			<i>For Class 54 Rating, Add</i>	127.90	
			<i>For Class 55 Rating, Add</i>	284.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2882	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,651.78	495.26
			<i>For Class 52 Rating, Deduct</i>	-209.15	
			<i>For Class 54 Rating, Add</i>	142.60	
			<i>For Class 55 Rating, Add</i>	316.96	
40 05 19 00-2883	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,851.23	497.53
			<i>For Class 52 Rating, Deduct</i>	-230.72	
			<i>For Class 54 Rating, Add</i>	157.31	
			<i>For Class 55 Rating, Add</i>	349.64	
40 05 19 00-2884	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,050.69	499.79
			<i>For Class 52 Rating, Deduct</i>	-252.28	
			<i>For Class 54 Rating, Add</i>	172.01	
			<i>For Class 55 Rating, Add</i>	382.31	
40 05 19 00-2885	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,250.15	502.06
			<i>For Class 52 Rating, Deduct</i>	-273.84	
			<i>For Class 54 Rating, Add</i>	186.71	
			<i>For Class 55 Rating, Add</i>	414.99	
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,449.60	504.33
			<i>For Class 52 Rating, Deduct</i>	-295.40	
			<i>For Class 54 Rating, Add</i>	201.41	
			<i>For Class 55 Rating, Add</i>	447.67	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,649.05	506.60
			<i>For Class 52 Rating, Deduct</i>	-316.96	
			<i>For Class 54 Rating, Add</i>	216.11	
			<i>For Class 55 Rating, Add</i>	480.34	
40 05 19 00-2888	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,848.51	508.86
			<i>For Class 52 Rating, Deduct</i>	-338.53	
			<i>For Class 54 Rating, Add</i>	230.81	
			<i>For Class 55 Rating, Add</i>	513.02	
40 05 19 00-2889	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,047.97	511.13
			<i>For Class 52 Rating, Deduct</i>	-360.09	
			<i>For Class 54 Rating, Add</i>	245.51	
			<i>For Class 55 Rating, Add</i>	545.70	
40 05 19 00-2890	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,247.42	513.40
			<i>For Class 52 Rating, Deduct</i>	-381.65	
			<i>For Class 54 Rating, Add</i>	260.22	
			<i>For Class 55 Rating, Add</i>	578.37	
40 05 19 00-2891	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,446.88	515.67
			<i>For Class 52 Rating, Deduct</i>	-403.21	
			<i>For Class 54 Rating, Add</i>	274.92	
			<i>For Class 55 Rating, Add</i>	611.05	
40 05 19 00-2892	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,646.34	517.94
			<i>For Class 52 Rating, Deduct</i>	-424.77	
			<i>For Class 54 Rating, Add</i>	289.62	
			<i>For Class 55 Rating, Add</i>	643.73	
40 05 19 00-2893	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,845.79	520.20
			<i>For Class 52 Rating, Deduct</i>	-446.34	
			<i>For Class 54 Rating, Add</i>	304.32	
			<i>For Class 55 Rating, Add</i>	676.40	
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,045.24	522.47
			<i>For Class 52 Rating, Deduct</i>	-467.90	
			<i>For Class 54 Rating, Add</i>	319.02	
			<i>For Class 55 Rating, Add</i>	709.08	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,244.70	524.74
			<i>For Class 52 Rating, Deduct</i>	-489.46	
			<i>For Class 54 Rating, Add</i>	333.72	
			<i>For Class 55 Rating, Add</i>	741.76	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,444.16	527.01
			<i>For Class 52 Rating, Deduct</i>	-511.02	
			<i>For Class 54 Rating, Add</i>	348.43	
			<i>For Class 55 Rating, Add</i>	774.43	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,643.62	529.27
			<i>For Class 52 Rating, Deduct</i>	-532.59	
			<i>For Class 54 Rating, Add</i>	363.13	
			<i>For Class 55 Rating, Add</i>	807.11	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,843.07	531.54
			<i>For Class 52 Rating, Deduct</i>	-554.15	
			<i>For Class 54 Rating, Add</i>	377.83	
			<i>For Class 55 Rating, Add</i>	839.79	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,042.52	533.81
			<i>For Class 52 Rating, Deduct</i>	-575.71	
			<i>For Class 54 Rating, Add</i>	392.53	
			<i>For Class 55 Rating, Add</i>	872.46	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,241.98	536.08
			<i>For Class 52 Rating, Deduct</i>	-597.27	
			<i>For Class 54 Rating, Add</i>	407.23	
			<i>For Class 55 Rating, Add</i>	905.14	
40 05 19 00-2901	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,441.44	538.34
			<i>For Class 52 Rating, Deduct</i>	-618.83	
			<i>For Class 54 Rating, Add</i>	421.93	
			<i>For Class 55 Rating, Add</i>	937.82	
40 05 19 00-2902	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,640.89	540.61
			<i>For Class 52 Rating, Deduct</i>	-640.40	
			<i>For Class 54 Rating, Add</i>	436.63	
			<i>For Class 55 Rating, Add</i>	970.49	
40 05 19 00-2903	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,840.35	542.88
			<i>For Class 52 Rating, Deduct</i>	-661.96	
			<i>For Class 54 Rating, Add</i>	451.34	
			<i>For Class 55 Rating, Add</i>	1,003.17	
40 05 19 00-2904	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,039.81	545.15
			<i>For Class 52 Rating, Deduct</i>	-683.52	
			<i>For Class 54 Rating, Add</i>	466.04	
			<i>For Class 55 Rating, Add</i>	1,035.85	
40 05 19 00-2905	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,239.27	547.41
			<i>For Class 52 Rating, Deduct</i>	-705.08	
			<i>For Class 54 Rating, Add</i>	480.74	
			<i>For Class 55 Rating, Add</i>	1,068.52	
40 05 19 00-2906	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,438.71	549.68
			<i>For Class 52 Rating, Deduct</i>	-726.65	
			<i>For Class 54 Rating, Add</i>	495.44	
			<i>For Class 55 Rating, Add</i>	1,101.20	
40 05 19 00-2907	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,638.17	551.95
			<i>For Class 52 Rating, Deduct</i>	-748.21	
			<i>For Class 54 Rating, Add</i>	510.14	
			<i>For Class 55 Rating, Add</i>	1,133.88	
40 05 19 00-2908	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,837.63	554.22
			<i>For Class 52 Rating, Deduct</i>	-769.77	
			<i>For Class 54 Rating, Add</i>	524.84	
			<i>For Class 55 Rating, Add</i>	1,166.55	
40 05 19 00-2909	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,037.09	556.49
			<i>For Class 52 Rating, Deduct</i>	-791.33	
			<i>For Class 54 Rating, Add</i>	539.54	
			<i>For Class 55 Rating, Add</i>	1,199.23	
40 05 19 00-2910	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,236.54	558.75
			<i>For Class 52 Rating, Deduct</i>	-812.89	
			<i>For Class 54 Rating, Add</i>	554.25	
			<i>For Class 55 Rating, Add</i>	1,231.90	
40 05 19 00-2911	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,436.00	561.02
			<i>For Class 52 Rating, Deduct</i>	-834.46	
			<i>For Class 54 Rating, Add</i>	568.95	
			<i>For Class 55 Rating, Add</i>	1,264.58	
40 05 19 00-2912	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,635.45	563.29
			<i>For Class 52 Rating, Deduct</i>	-856.02	
			<i>For Class 54 Rating, Add</i>	583.65	
			<i>For Class 55 Rating, Add</i>	1,297.26	
40 05 19 00-2913	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,834.90	565.56
			<i>For Class 52 Rating, Deduct</i>	-877.58	
			<i>For Class 54 Rating, Add</i>	598.35	
			<i>For Class 55 Rating, Add</i>	1,329.93	
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,034.36	567.82
			<i>For Class 52 Rating, Deduct</i>	-899.14	
			<i>For Class 54 Rating, Add</i>	613.05	
			<i>For Class 55 Rating, Add</i>	1,362.61	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,233.82	570.09
			<i>For Class 52 Rating, Deduct</i>	-920.71	
			<i>For Class 54 Rating, Add</i>	627.75	
			<i>For Class 55 Rating, Add</i>	1,395.29	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,433.28	572.36
			<i>For Class 52 Rating, Deduct</i>	-942.27	
			<i>For Class 54 Rating, Add</i>	642.46	
			<i>For Class 55 Rating, Add</i>	1,427.96	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,632.73	574.63
			<i>For Class 52 Rating, Deduct</i>	-963.83	
			<i>For Class 54 Rating, Add</i>	657.16	
			<i>For Class 55 Rating, Add</i>	1,460.64	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

40 05 19 00-2918	20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2919	EA 20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,606.30	560.11
	For Class 52 Rating, Deduct	-193.34	
	For Class 54 Rating, Add	131.82	
	For Class 55 Rating, Add	293.00	
40 05 19 00-2920	EA 20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,833.20	562.38
	For Class 52 Rating, Deduct	-217.92	
	For Class 54 Rating, Add	148.58	
	For Class 55 Rating, Add	330.25	
40 05 19 00-2921	EA 20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,060.10	564.65
	For Class 52 Rating, Deduct	-242.50	
	For Class 54 Rating, Add	165.34	
	For Class 55 Rating, Add	367.50	
40 05 19 00-2922	EA 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,286.99	566.91
	For Class 52 Rating, Deduct	-267.08	
	For Class 54 Rating, Add	182.10	
	For Class 55 Rating, Add	404.75	
40 05 19 00-2923	EA 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,513.89	569.18
	For Class 52 Rating, Deduct	-291.67	
	For Class 54 Rating, Add	198.86	
	For Class 55 Rating, Add	442.01	
40 05 19 00-2924	EA 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,740.79	571.44
	For Class 52 Rating, Deduct	-316.25	
	For Class 54 Rating, Add	215.62	
	For Class 55 Rating, Add	479.26	
40 05 19 00-2925	EA 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,967.69	573.72
	For Class 52 Rating, Deduct	-340.83	
	For Class 54 Rating, Add	232.38	
	For Class 55 Rating, Add	516.51	
40 05 19 00-2926	EA 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,194.59	575.98
	For Class 52 Rating, Deduct	-365.41	
	For Class 54 Rating, Add	249.14	
	For Class 55 Rating, Add	553.76	
40 05 19 00-2927	EA 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,421.49	578.25
	For Class 52 Rating, Deduct	-389.99	
	For Class 54 Rating, Add	265.90	
	For Class 55 Rating, Add	591.01	
40 05 19 00-2928	EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,648.39	580.52
	For Class 52 Rating, Deduct	-414.57	
	For Class 54 Rating, Add	282.66	
	For Class 55 Rating, Add	628.26	
40 05 19 00-2929	EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,875.28	582.79
	For Class 52 Rating, Deduct	-439.15	
	For Class 54 Rating, Add	299.42	
	For Class 55 Rating, Add	665.51	
40 05 19 00-2930	EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,102.18	585.06
	For Class 52 Rating, Deduct	-463.73	
	For Class 54 Rating, Add	316.18	
	For Class 55 Rating, Add	702.76	
40 05 19 00-2931	EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,329.08	587.32
	For Class 52 Rating, Deduct	-488.31	
	For Class 54 Rating, Add	332.94	
	For Class 55 Rating, Add	740.01	
40 05 19 00-2932	EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,555.98	589.59
	For Class 52 Rating, Deduct	-512.89	
	For Class 54 Rating, Add	349.70	
	For Class 55 Rating, Add	777.27	
40 05 19 00-2933	EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,782.89	591.86
	For Class 52 Rating, Deduct	-537.47	
	For Class 54 Rating, Add	366.46	
	For Class 55 Rating, Add	814.52	
40 05 19 00-2934	EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,009.78	594.13
	For Class 52 Rating, Deduct	-562.05	
	For Class 54 Rating, Add	383.22	
	For Class 55 Rating, Add	851.77	
40 05 19 00-2935	EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,236.68	596.39
	For Class 52 Rating, Deduct	-586.64	
	For Class 54 Rating, Add	399.98	
	For Class 55 Rating, Add	889.02	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2936	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,463.57	598.66
			<i>For Class 52 Rating, Deduct</i>	-611.22	
			<i>For Class 54 Rating, Add</i>	416.74	
			<i>For Class 55 Rating, Add</i>	926.27	
40 05 19 00-2937	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,690.47	600.93
			<i>For Class 52 Rating, Deduct</i>	-635.80	
			<i>For Class 54 Rating, Add</i>	433.50	
			<i>For Class 55 Rating, Add</i>	963.52	
40 05 19 00-2938	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,917.37	603.20
			<i>For Class 52 Rating, Deduct</i>	-660.38	
			<i>For Class 54 Rating, Add</i>	450.26	
			<i>For Class 55 Rating, Add</i>	1,000.77	
40 05 19 00-2939	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,144.27	605.46
			<i>For Class 52 Rating, Deduct</i>	-684.96	
			<i>For Class 54 Rating, Add</i>	467.02	
			<i>For Class 55 Rating, Add</i>	1,038.02	
40 05 19 00-2940	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,371.17	607.73
			<i>For Class 52 Rating, Deduct</i>	-709.54	
			<i>For Class 54 Rating, Add</i>	483.78	
			<i>For Class 55 Rating, Add</i>	1,075.28	
40 05 19 00-2941	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,598.07	609.99
			<i>For Class 52 Rating, Deduct</i>	-734.12	
			<i>For Class 54 Rating, Add</i>	500.54	
			<i>For Class 55 Rating, Add</i>	1,112.53	
40 05 19 00-2942	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,824.96	612.27
			<i>For Class 52 Rating, Deduct</i>	-758.70	
			<i>For Class 54 Rating, Add</i>	517.30	
			<i>For Class 55 Rating, Add</i>	1,149.78	
40 05 19 00-2943	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,051.86	614.53
			<i>For Class 52 Rating, Deduct</i>	-783.28	
			<i>For Class 54 Rating, Add</i>	534.06	
			<i>For Class 55 Rating, Add</i>	1,187.03	
40 05 19 00-2944	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,278.77	616.80
			<i>For Class 52 Rating, Deduct</i>	-807.86	
			<i>For Class 54 Rating, Add</i>	550.82	
			<i>For Class 55 Rating, Add</i>	1,224.28	
40 05 19 00-2945	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,505.66	619.07
			<i>For Class 52 Rating, Deduct</i>	-832.44	
			<i>For Class 54 Rating, Add</i>	567.58	
			<i>For Class 55 Rating, Add</i>	1,261.53	
40 05 19 00-2946	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,732.56	621.34
			<i>For Class 52 Rating, Deduct</i>	-857.03	
			<i>For Class 54 Rating, Add</i>	584.34	
			<i>For Class 55 Rating, Add</i>	1,298.78	
40 05 19 00-2947	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,959.46	623.61
			<i>For Class 52 Rating, Deduct</i>	-881.61	
			<i>For Class 54 Rating, Add</i>	601.10	
			<i>For Class 55 Rating, Add</i>	1,336.03	
40 05 19 00-2948	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,186.36	625.87
			<i>For Class 52 Rating, Deduct</i>	-906.19	
			<i>For Class 54 Rating, Add</i>	617.86	
			<i>For Class 55 Rating, Add</i>	1,373.29	
40 05 19 00-2949	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,413.25	628.14
			<i>For Class 52 Rating, Deduct</i>	-930.77	
			<i>For Class 54 Rating, Add</i>	634.61	
			<i>For Class 55 Rating, Add</i>	1,410.54	
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,640.15	630.41
			<i>For Class 52 Rating, Deduct</i>	-955.35	
			<i>For Class 54 Rating, Add</i>	651.37	
			<i>For Class 55 Rating, Add</i>	1,447.79	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,867.06	632.68
			<i>For Class 52 Rating, Deduct</i>	-979.93	
			<i>For Class 54 Rating, Add</i>	668.13	
			<i>For Class 55 Rating, Add</i>	1,485.04	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,093.96	634.94
			<i>For Class 52 Rating, Deduct</i>	-1,004.51	
			<i>For Class 54 Rating, Add</i>	684.89	
			<i>For Class 55 Rating, Add</i>	1,522.29	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,320.85	637.21
			<i>For Class 52 Rating, Deduct</i>	-1,029.09	
			<i>For Class 54 Rating, Add</i>	701.65	
			<i>For Class 55 Rating, Add</i>	1,559.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,547.75	639.48
			<i>For Class 52 Rating, Deduct</i>	-1,053.67	
			<i>For Class 54 Rating, Add</i>	718.41	
			<i>For Class 55 Rating, Add</i>	1,596.79	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,774.65	641.75
			<i>For Class 52 Rating, Deduct</i>	-1,078.25	
			<i>For Class 54 Rating, Add</i>	735.17	
			<i>For Class 55 Rating, Add</i>	1,634.05	
40 05 19 00-2956	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,001.55	644.01
			<i>For Class 52 Rating, Deduct</i>	-1,102.83	
			<i>For Class 54 Rating, Add</i>	751.93	
			<i>For Class 55 Rating, Add</i>	1,671.30	
40 05 19 00-2957			24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2900)</small>		
40 05 19 00-2958	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,222.21	662.16
			<i>For Class 52 Rating, Deduct</i>	-244.08	
			<i>For Class 54 Rating, Add</i>	166.42	
			<i>For Class 55 Rating, Add</i>	369.90	
40 05 19 00-2959	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,502.69	664.42
			<i>For Class 52 Rating, Deduct</i>	-274.56	
			<i>For Class 54 Rating, Add</i>	187.20	
			<i>For Class 55 Rating, Add</i>	416.08	
40 05 19 00-2960	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,783.17	666.69
			<i>For Class 52 Rating, Deduct</i>	-305.03	
			<i>For Class 54 Rating, Add</i>	207.98	
			<i>For Class 55 Rating, Add</i>	462.26	
40 05 19 00-2961	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,063.64	668.96
			<i>For Class 52 Rating, Deduct</i>	-335.51	
			<i>For Class 54 Rating, Add</i>	228.76	
			<i>For Class 55 Rating, Add</i>	508.45	
40 05 19 00-2962	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,344.11	671.23
			<i>For Class 52 Rating, Deduct</i>	-365.98	
			<i>For Class 54 Rating, Add</i>	249.53	
			<i>For Class 55 Rating, Add</i>	554.63	
40 05 19 00-2963	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,624.59	673.49
			<i>For Class 52 Rating, Deduct</i>	-396.46	
			<i>For Class 54 Rating, Add</i>	270.31	
			<i>For Class 55 Rating, Add</i>	600.81	
40 05 19 00-2964	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,905.08	675.76
			<i>For Class 52 Rating, Deduct</i>	-426.93	
			<i>For Class 54 Rating, Add</i>	291.09	
			<i>For Class 55 Rating, Add</i>	647.00	
40 05 19 00-2965	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,185.56	678.03
			<i>For Class 52 Rating, Deduct</i>	-457.41	
			<i>For Class 54 Rating, Add</i>	311.87	
			<i>For Class 55 Rating, Add</i>	693.18	
40 05 19 00-2966	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,466.03	680.30
			<i>For Class 52 Rating, Deduct</i>	-487.88	
			<i>For Class 54 Rating, Add</i>	332.65	
			<i>For Class 55 Rating, Add</i>	739.36	
40 05 19 00-2967	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,746.51	682.56
			<i>For Class 52 Rating, Deduct</i>	-518.36	
			<i>For Class 54 Rating, Add</i>	353.42	
			<i>For Class 55 Rating, Add</i>	785.54	
40 05 19 00-2968	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,026.98	684.83
			<i>For Class 52 Rating, Deduct</i>	-548.83	
			<i>For Class 54 Rating, Add</i>	374.20	
			<i>For Class 55 Rating, Add</i>	831.73	
40 05 19 00-2969	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,307.46	687.09
			<i>For Class 52 Rating, Deduct</i>	-579.30	
			<i>For Class 54 Rating, Add</i>	394.98	
			<i>For Class 55 Rating, Add</i>	877.91	
40 05 19 00-2970	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,587.94	689.37
			<i>For Class 52 Rating, Deduct</i>	-609.78	
			<i>For Class 54 Rating, Add</i>	415.76	
			<i>For Class 55 Rating, Add</i>	924.09	
40 05 19 00-2971	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,868.42	691.63
			<i>For Class 52 Rating, Deduct</i>	-640.25	
			<i>For Class 54 Rating, Add</i>	436.54	
			<i>For Class 55 Rating, Add</i>	970.28	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2972	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,148.90	693.90
			<i>For Class 52 Rating, Deduct</i>	-670.73	
			<i>For Class 54 Rating, Add</i>	457.31	
			<i>For Class 55 Rating, Add</i>	1,016.46	
40 05 19 00-2973	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,429.38	696.17
			<i>For Class 52 Rating, Deduct</i>	-701.20	
			<i>For Class 54 Rating, Add</i>	478.09	
			<i>For Class 55 Rating, Add</i>	1,062.64	
40 05 19 00-2974	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,709.84	698.44
			<i>For Class 52 Rating, Deduct</i>	-731.68	
			<i>For Class 54 Rating, Add</i>	498.87	
			<i>For Class 55 Rating, Add</i>	1,108.82	
40 05 19 00-2975	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,990.32	700.71
			<i>For Class 52 Rating, Deduct</i>	-762.15	
			<i>For Class 54 Rating, Add</i>	519.65	
			<i>For Class 55 Rating, Add</i>	1,155.01	
40 05 19 00-2976	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,270.81	702.97
			<i>For Class 52 Rating, Deduct</i>	-792.63	
			<i>For Class 54 Rating, Add</i>	540.43	
			<i>For Class 55 Rating, Add</i>	1,201.19	
40 05 19 00-2977	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,551.29	705.24
			<i>For Class 52 Rating, Deduct</i>	-823.10	
			<i>For Class 54 Rating, Add</i>	561.21	
			<i>For Class 55 Rating, Add</i>	1,247.37	
40 05 19 00-2978	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,831.76	707.51
			<i>For Class 52 Rating, Deduct</i>	-853.58	
			<i>For Class 54 Rating, Add</i>	581.98	
			<i>For Class 55 Rating, Add</i>	1,293.56	
40 05 19 00-2979	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,112.24	709.78
			<i>For Class 52 Rating, Deduct</i>	-884.05	
			<i>For Class 54 Rating, Add</i>	602.76	
			<i>For Class 55 Rating, Add</i>	1,339.74	
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,392.71	712.04
			<i>For Class 52 Rating, Deduct</i>	-914.52	
			<i>For Class 54 Rating, Add</i>	623.54	
			<i>For Class 55 Rating, Add</i>	1,385.92	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,673.19	714.31
			<i>For Class 52 Rating, Deduct</i>	-945.00	
			<i>For Class 54 Rating, Add</i>	644.32	
			<i>For Class 55 Rating, Add</i>	1,432.10	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,953.66	716.58
			<i>For Class 52 Rating, Deduct</i>	-975.47	
			<i>For Class 54 Rating, Add</i>	665.10	
			<i>For Class 55 Rating, Add</i>	1,478.29	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,234.15	718.85
			<i>For Class 52 Rating, Deduct</i>	-1,005.95	
			<i>For Class 54 Rating, Add</i>	685.87	
			<i>For Class 55 Rating, Add</i>	1,524.47	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,514.63	721.11
			<i>For Class 52 Rating, Deduct</i>	-1,036.42	
			<i>For Class 54 Rating, Add</i>	706.65	
			<i>For Class 55 Rating, Add</i>	1,570.65	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,795.10	723.38
			<i>For Class 52 Rating, Deduct</i>	-1,066.90	
			<i>For Class 54 Rating, Add</i>	727.43	
			<i>For Class 55 Rating, Add</i>	1,616.83	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,075.58	725.64
			<i>For Class 52 Rating, Deduct</i>	-1,097.37	
			<i>For Class 54 Rating, Add</i>	748.21	
			<i>For Class 55 Rating, Add</i>	1,663.02	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,414.47	766.47
			<i>For Class 52 Rating, Deduct</i>	-1,127.85	
			<i>For Class 54 Rating, Add</i>	768.99	
			<i>For Class 55 Rating, Add</i>	1,709.20	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,694.94	768.73
			<i>For Class 52 Rating, Deduct</i>	-1,158.32	
			<i>For Class 54 Rating, Add</i>	789.76	
			<i>For Class 55 Rating, Add</i>	1,755.38	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,975.42	771.00
			<i>For Class 52 Rating, Deduct</i>	-1,188.80	
			<i>For Class 54 Rating, Add</i>	810.54	
			<i>For Class 55 Rating, Add</i>	1,801.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,255.90	773.27
			<i>For Class 52 Rating, Deduct</i>	-1,219.27	
			<i>For Class 54 Rating, Add</i>	831.32	
			<i>For Class 55 Rating, Add</i>	1,847.75	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,536.38	775.54
			<i>For Class 52 Rating, Deduct</i>	-1,249.75	
			<i>For Class 54 Rating, Add</i>	852.10	
			<i>For Class 55 Rating, Add</i>	1,893.93	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,815.54	777.81
			<i>For Class 52 Rating, Deduct</i>	-1,280.08	
			<i>For Class 54 Rating, Add</i>	872.78	
			<i>For Class 55 Rating, Add</i>	1,939.90	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,097.33	780.07
			<i>For Class 52 Rating, Deduct</i>	-1,310.69	
			<i>For Class 54 Rating, Add</i>	893.66	
			<i>For Class 55 Rating, Add</i>	1,986.30	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,377.81	782.34
			<i>For Class 52 Rating, Deduct</i>	-1,341.17	
			<i>For Class 54 Rating, Add</i>	914.43	
			<i>For Class 55 Rating, Add</i>	2,032.48	
40 05 19 00-2995	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,658.29	784.61
			<i>For Class 52 Rating, Deduct</i>	-1,371.64	
			<i>For Class 54 Rating, Add</i>	935.21	
			<i>For Class 55 Rating, Add</i>	2,078.66	
40 05 19 00-2996			30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2997	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,909.94	934.27
			<i>For Class 52 Rating, Deduct</i>	-384.38	
			<i>For Class 54 Rating, Add</i>	262.08	
			<i>For Class 55 Rating, Add</i>	582.51	
40 05 19 00-2998	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,310.65	936.54
			<i>For Class 52 Rating, Deduct</i>	-428.08	
			<i>For Class 54 Rating, Add</i>	291.87	
			<i>For Class 55 Rating, Add</i>	648.74	
40 05 19 00-2999	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,711.36	938.81
			<i>For Class 52 Rating, Deduct</i>	-471.78	
			<i>For Class 54 Rating, Add</i>	321.67	
			<i>For Class 55 Rating, Add</i>	714.96	
40 05 19 00-3000	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,112.06	941.08
			<i>For Class 52 Rating, Deduct</i>	-515.48	
			<i>For Class 54 Rating, Add</i>	351.46	
			<i>For Class 55 Rating, Add</i>	781.19	
40 05 19 00-3001	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,512.75	943.34
			<i>For Class 52 Rating, Deduct</i>	-559.18	
			<i>For Class 54 Rating, Add</i>	381.26	
			<i>For Class 55 Rating, Add</i>	847.41	
40 05 19 00-3002	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,913.46	945.61
			<i>For Class 52 Rating, Deduct</i>	-602.88	
			<i>For Class 54 Rating, Add</i>	411.05	
			<i>For Class 55 Rating, Add</i>	913.64	
40 05 19 00-3003	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,314.17	947.88
			<i>For Class 52 Rating, Deduct</i>	-646.58	
			<i>For Class 54 Rating, Add</i>	440.85	
			<i>For Class 55 Rating, Add</i>	979.86	
40 05 19 00-3004	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,714.87	950.15
			<i>For Class 52 Rating, Deduct</i>	-690.28	
			<i>For Class 54 Rating, Add</i>	470.64	
			<i>For Class 55 Rating, Add</i>	1,046.08	
40 05 19 00-3005	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,115.57	952.41
			<i>For Class 52 Rating, Deduct</i>	-733.98	
			<i>For Class 54 Rating, Add</i>	500.44	
			<i>For Class 55 Rating, Add</i>	1,112.31	
40 05 19 00-3006	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,516.28	954.68
			<i>For Class 52 Rating, Deduct</i>	-777.68	
			<i>For Class 54 Rating, Add</i>	530.23	
			<i>For Class 55 Rating, Add</i>	1,178.53	
40 05 19 00-3007	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,916.98	956.95
			<i>For Class 52 Rating, Deduct</i>	-821.38	
			<i>For Class 54 Rating, Add</i>	560.03	
			<i>For Class 55 Rating, Add</i>	1,244.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-3008	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,317.68	959.22
			<i>For Class 52 Rating, Deduct</i>	-865.08	
			<i>For Class 54 Rating, Add</i>	589.82	
			<i>For Class 55 Rating, Add</i>	1,310.98	
40 05 19 00-3009	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,718.38	961.48
			<i>For Class 52 Rating, Deduct</i>	-908.77	
			<i>For Class 54 Rating, Add</i>	619.62	
			<i>For Class 55 Rating, Add</i>	1,377.21	
40 05 19 00-3010	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,119.09	963.75
			<i>For Class 52 Rating, Deduct</i>	-952.47	
			<i>For Class 54 Rating, Add</i>	649.41	
			<i>For Class 55 Rating, Add</i>	1,443.43	
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,519.79	966.01
			<i>For Class 52 Rating, Deduct</i>	-996.17	
			<i>For Class 54 Rating, Add</i>	679.21	
			<i>For Class 55 Rating, Add</i>	1,509.66	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,920.50	968.29
			<i>For Class 52 Rating, Deduct</i>	-1,039.87	
			<i>For Class 54 Rating, Add</i>	709.00	
			<i>For Class 55 Rating, Add</i>	1,575.88	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,321.19	970.56
			<i>For Class 52 Rating, Deduct</i>	-1,083.57	
			<i>For Class 54 Rating, Add</i>	738.80	
			<i>For Class 55 Rating, Add</i>	1,642.11	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,721.90	972.82
			<i>For Class 52 Rating, Deduct</i>	-1,127.27	
			<i>For Class 54 Rating, Add</i>	768.59	
			<i>For Class 55 Rating, Add</i>	1,708.33	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,122.60	975.09
			<i>For Class 52 Rating, Deduct</i>	-1,170.97	
			<i>For Class 54 Rating, Add</i>	798.39	
			<i>For Class 55 Rating, Add</i>	1,774.55	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,523.31	977.36
			<i>For Class 52 Rating, Deduct</i>	-1,214.67	
			<i>For Class 54 Rating, Add</i>	828.18	
			<i>For Class 55 Rating, Add</i>	1,840.78	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,924.01	979.63
			<i>For Class 52 Rating, Deduct</i>	-1,258.37	
			<i>For Class 54 Rating, Add</i>	857.98	
			<i>For Class 55 Rating, Add</i>	1,907.00	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,324.71	981.89
			<i>For Class 52 Rating, Deduct</i>	-1,302.07	
			<i>For Class 54 Rating, Add</i>	887.77	
			<i>For Class 55 Rating, Add</i>	1,973.23	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,725.42	984.16
			<i>For Class 52 Rating, Deduct</i>	-1,345.77	
			<i>For Class 54 Rating, Add</i>	917.57	
			<i>For Class 55 Rating, Add</i>	2,039.45	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,126.11	986.43
			<i>For Class 52 Rating, Deduct</i>	-1,389.47	
			<i>For Class 54 Rating, Add</i>	947.36	
			<i>For Class 55 Rating, Add</i>	2,105.68	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,526.82	988.70
			<i>For Class 52 Rating, Deduct</i>	-1,433.17	
			<i>For Class 54 Rating, Add</i>	977.16	
			<i>For Class 55 Rating, Add</i>	2,171.90	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,927.52	990.96
			<i>For Class 52 Rating, Deduct</i>	-1,476.87	
			<i>For Class 54 Rating, Add</i>	1,006.95	
			<i>For Class 55 Rating, Add</i>	2,238.12	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,328.23	993.23
			<i>For Class 52 Rating, Deduct</i>	-1,520.57	
			<i>For Class 54 Rating, Add</i>	1,036.75	
			<i>For Class 55 Rating, Add</i>	2,304.35	
40 05 19 00-3024	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,728.93	995.50
			<i>For Class 52 Rating, Deduct</i>	-1,564.27	
			<i>For Class 54 Rating, Add</i>	1,066.55	
			<i>For Class 55 Rating, Add</i>	2,370.57	
40 05 19 00-3025	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,129.63	997.77
			<i>For Class 52 Rating, Deduct</i>	-1,607.96	
			<i>For Class 54 Rating, Add</i>	1,096.34	
			<i>For Class 55 Rating, Add</i>	2,436.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,530.33	1,000.03
			<i>For Class 52 Rating, Deduct</i>	-1,651.66	
			<i>For Class 54 Rating, Add</i>	1,126.13	
			<i>For Class 55 Rating, Add</i>	2,503.02	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,931.04	1,002.30
			<i>For Class 52 Rating, Deduct</i>	-1,695.36	
			<i>For Class 54 Rating, Add</i>	1,155.93	
			<i>For Class 55 Rating, Add</i>	2,569.25	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,331.74	1,004.57
			<i>For Class 52 Rating, Deduct</i>	-1,739.06	
			<i>For Class 54 Rating, Add</i>	1,185.73	
			<i>For Class 55 Rating, Add</i>	2,635.47	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,732.44	1,006.84
			<i>For Class 52 Rating, Deduct</i>	-1,782.76	
			<i>For Class 54 Rating, Add</i>	1,215.52	
			<i>For Class 55 Rating, Add</i>	2,701.70	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,133.15	1,009.11
			<i>For Class 52 Rating, Deduct</i>	-1,826.46	
			<i>For Class 54 Rating, Add</i>	1,245.32	
			<i>For Class 55 Rating, Add</i>	2,767.92	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,533.86	1,011.37
			<i>For Class 52 Rating, Deduct</i>	-1,870.16	
			<i>For Class 54 Rating, Add</i>	1,275.11	
			<i>For Class 55 Rating, Add</i>	2,834.15	
40 05 19 00-3032			36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-3033	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,734.52	1,183.71
			<i>For Class 52 Rating, Deduct</i>	-543.51	
			<i>For Class 54 Rating, Add</i>	370.58	
			<i>For Class 55 Rating, Add</i>	823.67	
40 05 19 00-3034	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,271.14	1,185.98
			<i>For Class 52 Rating, Deduct</i>	-602.16	
			<i>For Class 54 Rating, Add</i>	410.56	
			<i>For Class 55 Rating, Add</i>	912.55	
40 05 19 00-3035	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,807.73	1,188.25
			<i>For Class 52 Rating, Deduct</i>	-660.81	
			<i>For Class 54 Rating, Add</i>	450.55	
			<i>For Class 55 Rating, Add</i>	1,001.43	
40 05 19 00-3036	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,344.34	1,190.52
			<i>For Class 52 Rating, Deduct</i>	-719.46	
			<i>For Class 54 Rating, Add</i>	490.54	
			<i>For Class 55 Rating, Add</i>	1,090.31	
40 05 19 00-3037	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,880.96	1,192.78
			<i>For Class 52 Rating, Deduct</i>	-778.11	
			<i>For Class 54 Rating, Add</i>	530.53	
			<i>For Class 55 Rating, Add</i>	1,179.19	
40 05 19 00-3038	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,417.57	1,195.05
			<i>For Class 52 Rating, Deduct</i>	-836.76	
			<i>For Class 54 Rating, Add</i>	570.52	
			<i>For Class 55 Rating, Add</i>	1,268.07	
40 05 19 00-3039	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,954.18	1,197.32
			<i>For Class 52 Rating, Deduct</i>	-895.41	
			<i>For Class 54 Rating, Add</i>	610.50	
			<i>For Class 55 Rating, Add</i>	1,356.95	
40 05 19 00-3040	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,490.79	1,199.59
			<i>For Class 52 Rating, Deduct</i>	-954.06	
			<i>For Class 54 Rating, Add</i>	650.49	
			<i>For Class 55 Rating, Add</i>	1,445.83	
40 05 19 00-3041	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,027.40	1,201.86
			<i>For Class 52 Rating, Deduct</i>	-1,012.71	
			<i>For Class 54 Rating, Add</i>	690.48	
			<i>For Class 55 Rating, Add</i>	1,534.71	
40 05 19 00-3042	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,564.01	1,204.12
			<i>For Class 52 Rating, Deduct</i>	-1,071.35	
			<i>For Class 54 Rating, Add</i>	730.47	
			<i>For Class 55 Rating, Add</i>	1,623.59	
40 05 19 00-3043	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,100.61	1,206.40
			<i>For Class 52 Rating, Deduct</i>	-1,130.00	
			<i>For Class 54 Rating, Add</i>	770.46	
			<i>For Class 55 Rating, Add</i>	1,712.47	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3044	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,637.23	1,208.66
		<i>For Class 52 Rating, Deduct</i>	-1,188.65	
		<i>For Class 54 Rating, Add</i>	810.44	
		<i>For Class 55 Rating, Add</i>	1,801.35	
40 05 19 00-3045	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,173.84	1,210.93
		<i>For Class 52 Rating, Deduct</i>	-1,247.30	
		<i>For Class 54 Rating, Add</i>	850.43	
		<i>For Class 55 Rating, Add</i>	1,890.23	
40 05 19 00-3046	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,710.46	1,213.19
		<i>For Class 52 Rating, Deduct</i>	-1,305.95	
		<i>For Class 54 Rating, Add</i>	890.42	
		<i>For Class 55 Rating, Add</i>	1,979.11	
40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,247.05	1,215.46
		<i>For Class 52 Rating, Deduct</i>	-1,364.60	
		<i>For Class 54 Rating, Add</i>	930.41	
		<i>For Class 55 Rating, Add</i>	2,067.99	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,783.67	1,217.73
		<i>For Class 52 Rating, Deduct</i>	-1,423.25	
		<i>For Class 54 Rating, Add</i>	970.40	
		<i>For Class 55 Rating, Add</i>	2,156.87	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,320.28	1,220.00
		<i>For Class 52 Rating, Deduct</i>	-1,481.90	
		<i>For Class 54 Rating, Add</i>	1,010.39	
		<i>For Class 55 Rating, Add</i>	2,245.75	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,856.90	1,222.26
		<i>For Class 52 Rating, Deduct</i>	-1,540.55	
		<i>For Class 54 Rating, Add</i>	1,050.37	
		<i>For Class 55 Rating, Add</i>	2,334.63	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,393.50	1,224.53
		<i>For Class 52 Rating, Deduct</i>	-1,599.20	
		<i>For Class 54 Rating, Add</i>	1,090.36	
		<i>For Class 55 Rating, Add</i>	2,423.51	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,930.11	1,226.80
		<i>For Class 52 Rating, Deduct</i>	-1,657.85	
		<i>For Class 54 Rating, Add</i>	1,130.35	
		<i>For Class 55 Rating, Add</i>	2,512.39	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,466.73	1,229.07
		<i>For Class 52 Rating, Deduct</i>	-1,716.50	
		<i>For Class 54 Rating, Add</i>	1,170.34	
		<i>For Class 55 Rating, Add</i>	2,601.27	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,003.33	1,231.33
		<i>For Class 52 Rating, Deduct</i>	-1,775.14	
		<i>For Class 54 Rating, Add</i>	1,210.33	
		<i>For Class 55 Rating, Add</i>	2,690.15	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,539.94	1,233.60
		<i>For Class 52 Rating, Deduct</i>	-1,833.79	
		<i>For Class 54 Rating, Add</i>	1,250.31	
		<i>For Class 55 Rating, Add</i>	2,779.03	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,076.55	1,235.87
		<i>For Class 52 Rating, Deduct</i>	-1,892.44	
		<i>For Class 54 Rating, Add</i>	1,290.30	
		<i>For Class 55 Rating, Add</i>	2,867.91	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,613.17	1,238.14
		<i>For Class 52 Rating, Deduct</i>	-1,951.09	
		<i>For Class 54 Rating, Add</i>	1,330.29	
		<i>For Class 55 Rating, Add</i>	2,956.79	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,149.78	1,240.41
		<i>For Class 52 Rating, Deduct</i>	-2,009.74	
		<i>For Class 54 Rating, Add</i>	1,370.28	
		<i>For Class 55 Rating, Add</i>	3,045.67	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,686.39	1,242.67
		<i>For Class 52 Rating, Deduct</i>	-2,068.39	
		<i>For Class 54 Rating, Add</i>	1,410.27	
		<i>For Class 55 Rating, Add</i>	3,134.55	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,222.99	1,244.95
		<i>For Class 52 Rating, Deduct</i>	-2,127.04	
		<i>For Class 54 Rating, Add</i>	1,450.25	
		<i>For Class 55 Rating, Add</i>	3,223.43	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,759.60	1,247.21
		<i>For Class 52 Rating, Deduct</i>	-2,185.69	
		<i>For Class 54 Rating, Add</i>	1,490.24	
		<i>For Class 55 Rating, Add</i>	3,312.31	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,296.21	1,249.48
		<i>For Class 52 Rating, Deduct</i>	-2,244.34	
		<i>For Class 54 Rating, Add</i>	1,530.23	
		<i>For Class 55 Rating, Add</i>	3,401.19	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,832.82	1,251.74
		<i>For Class 52 Rating, Deduct</i>	-2,302.99	
		<i>For Class 54 Rating, Add</i>	1,570.22	
		<i>For Class 55 Rating, Add</i>	3,490.07	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,369.44	1,254.01
		<i>For Class 52 Rating, Deduct</i>	-2,361.64	
		<i>For Class 54 Rating, Add</i>	1,610.21	
		<i>For Class 55 Rating, Add</i>	3,578.95	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,906.05	1,256.28
		<i>For Class 52 Rating, Deduct</i>	-2,420.28	
		<i>For Class 54 Rating, Add</i>	1,650.19	
		<i>For Class 55 Rating, Add</i>	3,667.83	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,442.65	1,258.55
		<i>For Class 52 Rating, Deduct</i>	-2,478.93	
		<i>For Class 54 Rating, Add</i>	1,690.18	
		<i>For Class 55 Rating, Add</i>	3,756.71	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,979.26	1,260.81
		<i>For Class 52 Rating, Deduct</i>	-2,537.58	
		<i>For Class 54 Rating, Add</i>	1,730.17	
		<i>For Class 55 Rating, Add</i>	3,845.59	
40 05 19 00-3068		Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069		4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	388.88	110.90
		<i>For Class 52 Rating, Deduct</i>	-24.29	
		<i>For Class 54 Rating, Add</i>	16.56	
		<i>For Class 55 Rating, Add</i>	36.82	
40 05 19 00-3071	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	441.47	112.84
		<i>For Class 52 Rating, Deduct</i>	-29.76	
		<i>For Class 54 Rating, Add</i>	20.29	
		<i>For Class 55 Rating, Add</i>	45.09	
40 05 19 00-3072	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	494.08	114.79
		<i>For Class 52 Rating, Deduct</i>	-35.22	
		<i>For Class 54 Rating, Add</i>	24.01	
		<i>For Class 55 Rating, Add</i>	53.37	
40 05 19 00-3073	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	546.66	116.72
		<i>For Class 52 Rating, Deduct</i>	-40.68	
		<i>For Class 54 Rating, Add</i>	27.74	
		<i>For Class 55 Rating, Add</i>	61.65	
40 05 19 00-3074	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	599.26	118.66
		<i>For Class 52 Rating, Deduct</i>	-46.14	
		<i>For Class 54 Rating, Add</i>	31.46	
		<i>For Class 55 Rating, Add</i>	69.93	
40 05 19 00-3075	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	651.85	120.59
		<i>For Class 52 Rating, Deduct</i>	-51.61	
		<i>For Class 54 Rating, Add</i>	35.19	
		<i>For Class 55 Rating, Add</i>	78.21	
40 05 19 00-3076	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	704.46	122.54
		<i>For Class 52 Rating, Deduct</i>	-57.07	
		<i>For Class 54 Rating, Add</i>	38.91	
		<i>For Class 55 Rating, Add</i>	86.48	
40 05 19 00-3077	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	757.05	124.47
		<i>For Class 52 Rating, Deduct</i>	-62.53	
		<i>For Class 54 Rating, Add</i>	42.63	
		<i>For Class 55 Rating, Add</i>	94.76	
40 05 19 00-3078	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	809.65	126.41
		<i>For Class 52 Rating, Deduct</i>	-67.99	
		<i>For Class 54 Rating, Add</i>	46.36	
		<i>For Class 55 Rating, Add</i>	103.04	
40 05 19 00-3079	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	862.23	128.35
		<i>For Class 52 Rating, Deduct</i>	-73.45	
		<i>For Class 54 Rating, Add</i>	50.08	
		<i>For Class 55 Rating, Add</i>	111.32	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 05 19 00-3080	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	914.84	130.29
		<i>For Class 52 Rating, Deduct</i>	-78.92	
		<i>For Class 54 Rating, Add</i>	53.81	
		<i>For Class 55 Rating, Add</i>	119.60	
40 05 19 00-3081	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	967.43	132.23
		<i>For Class 52 Rating, Deduct</i>	-84.38	
		<i>For Class 54 Rating, Add</i>	57.53	
		<i>For Class 55 Rating, Add</i>	127.87	
40 05 19 00-3082	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,020.03	134.17
		<i>For Class 52 Rating, Deduct</i>	-89.84	
		<i>For Class 54 Rating, Add</i>	61.26	
		<i>For Class 55 Rating, Add</i>	136.15	
40 05 19 00-3083	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,072.63	136.11
		<i>For Class 52 Rating, Deduct</i>	-95.31	
		<i>For Class 54 Rating, Add</i>	64.98	
		<i>For Class 55 Rating, Add</i>	144.43	
40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,125.23	138.05
		<i>For Class 52 Rating, Deduct</i>	-100.77	
		<i>For Class 54 Rating, Add</i>	68.71	
		<i>For Class 55 Rating, Add</i>	152.71	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,177.83	139.99
		<i>For Class 52 Rating, Deduct</i>	-106.23	
		<i>For Class 54 Rating, Add</i>	72.43	
		<i>For Class 55 Rating, Add</i>	160.99	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,230.41	141.92
		<i>For Class 52 Rating, Deduct</i>	-111.69	
		<i>For Class 54 Rating, Add</i>	76.15	
		<i>For Class 55 Rating, Add</i>	169.26	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,283.01	143.86
		<i>For Class 52 Rating, Deduct</i>	-117.15	
		<i>For Class 54 Rating, Add</i>	79.88	
		<i>For Class 55 Rating, Add</i>	177.54	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,335.61	145.80
		<i>For Class 52 Rating, Deduct</i>	-122.62	
		<i>For Class 54 Rating, Add</i>	83.60	
		<i>For Class 55 Rating, Add</i>	185.82	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,388.21	147.74
		<i>For Class 52 Rating, Deduct</i>	-128.08	
		<i>For Class 54 Rating, Add</i>	87.33	
		<i>For Class 55 Rating, Add</i>	194.10	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,440.80	149.68
		<i>For Class 52 Rating, Deduct</i>	-133.54	
		<i>For Class 54 Rating, Add</i>	91.05	
		<i>For Class 55 Rating, Add</i>	202.38	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,493.40	151.61
		<i>For Class 52 Rating, Deduct</i>	-139.00	
		<i>For Class 54 Rating, Add</i>	94.78	
		<i>For Class 55 Rating, Add</i>	210.66	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,545.99	153.56
		<i>For Class 52 Rating, Deduct</i>	-144.47	
		<i>For Class 54 Rating, Add</i>	98.50	
		<i>For Class 55 Rating, Add</i>	218.93	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,598.59	155.50
		<i>For Class 52 Rating, Deduct</i>	-149.93	
		<i>For Class 54 Rating, Add</i>	102.22	
		<i>For Class 55 Rating, Add</i>	227.21	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,779.25	157.43
		<i>For Class 52 Rating, Deduct</i>	-169.48	
		<i>For Class 54 Rating, Add</i>	115.55	
		<i>For Class 55 Rating, Add</i>	256.84	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,831.85	159.37
		<i>For Class 52 Rating, Deduct</i>	-174.94	
		<i>For Class 54 Rating, Add</i>	119.28	
		<i>For Class 55 Rating, Add</i>	265.12	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,884.44	161.32
		<i>For Class 52 Rating, Deduct</i>	-180.40	
		<i>For Class 54 Rating, Add</i>	123.00	
		<i>For Class 55 Rating, Add</i>	273.39	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,937.04	163.25
		<i>For Class 52 Rating, Deduct</i>	-185.87	
		<i>For Class 54 Rating, Add</i>	126.73	
		<i>For Class 55 Rating, Add</i>	281.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3098	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,989.63	165.19
			For Class 52 Rating, Deduct	-191.33	
			For Class 54 Rating, Add	130.45	
			For Class 55 Rating, Add	289.95	
40 05 19 00-3099	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,042.23	167.12
			For Class 52 Rating, Deduct	-196.79	
			For Class 54 Rating, Add	134.18	
			For Class 55 Rating, Add	298.23	
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,094.83	169.07
			For Class 52 Rating, Deduct	-202.25	
			For Class 54 Rating, Add	137.90	
			For Class 55 Rating, Add	306.51	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,147.43	171.01
			For Class 52 Rating, Deduct	-207.72	
			For Class 54 Rating, Add	141.62	
			For Class 55 Rating, Add	314.78	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,200.01	172.94
			For Class 52 Rating, Deduct	-213.18	
			For Class 54 Rating, Add	145.35	
			For Class 55 Rating, Add	323.06	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,252.61	174.88
			For Class 52 Rating, Deduct	-218.64	
			For Class 54 Rating, Add	149.07	
			For Class 55 Rating, Add	331.34	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,305.21	176.83
			For Class 52 Rating, Deduct	-224.10	
			For Class 54 Rating, Add	152.80	
			For Class 55 Rating, Add	339.62	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,357.81	178.76
			For Class 52 Rating, Deduct	-229.57	
			For Class 54 Rating, Add	156.52	
			For Class 55 Rating, Add	347.90	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,410.40	180.70
			For Class 52 Rating, Deduct	-235.03	
			For Class 54 Rating, Add	160.25	
			For Class 55 Rating, Add	356.17	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,463.00	182.64
			For Class 52 Rating, Deduct	-240.49	
			For Class 54 Rating, Add	163.97	
			For Class 55 Rating, Add	364.45	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,515.59	184.59
			For Class 52 Rating, Deduct	-245.95	
			For Class 54 Rating, Add	167.69	
			For Class 55 Rating, Add	372.73	
40 05 19 00-3109			6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			(40 05 19 00-3068)		
40 05 19 00-3110	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	479.40	139.60
			For Class 52 Rating, Deduct	-29.47	
			For Class 54 Rating, Add	20.09	
			For Class 55 Rating, Add	44.66	
40 05 19 00-3111	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	539.84	141.54
			For Class 52 Rating, Deduct	-35.79	
			For Class 54 Rating, Add	24.40	
			For Class 55 Rating, Add	54.24	
40 05 19 00-3112	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	600.28	143.47
			For Class 52 Rating, Deduct	-42.12	
			For Class 54 Rating, Add	28.72	
			For Class 55 Rating, Add	63.83	
40 05 19 00-3113	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	660.71	145.42
			For Class 52 Rating, Deduct	-48.44	
			For Class 54 Rating, Add	33.03	
			For Class 55 Rating, Add	73.41	
40 05 19 00-3114	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	721.15	147.36
			For Class 52 Rating, Deduct	-54.77	
			For Class 54 Rating, Add	37.34	
			For Class 55 Rating, Add	83.00	
40 05 19 00-3115	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	781.59	149.29
			For Class 52 Rating, Deduct	-61.09	
			For Class 54 Rating, Add	41.65	
			For Class 55 Rating, Add	92.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3116	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	842.03	151.23
			For Class 52 Rating, Deduct	-67.42	
			For Class 54 Rating, Add	45.97	
			For Class 55 Rating, Add	102.17	
40 05 19 00-3117	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	902.46	153.17
			For Class 52 Rating, Deduct	-73.74	
			For Class 54 Rating, Add	50.28	
			For Class 55 Rating, Add	111.75	
40 05 19 00-3118	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	962.90	155.11
			For Class 52 Rating, Deduct	-80.07	
			For Class 54 Rating, Add	54.59	
			For Class 55 Rating, Add	121.34	
40 05 19 00-3119	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,023.34	157.04
			For Class 52 Rating, Deduct	-86.39	
			For Class 54 Rating, Add	58.90	
			For Class 55 Rating, Add	130.92	
40 05 19 00-3120	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,083.78	158.98
			For Class 52 Rating, Deduct	-92.72	
			For Class 54 Rating, Add	63.22	
			For Class 55 Rating, Add	140.51	
40 05 19 00-3121	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,144.21	160.93
			For Class 52 Rating, Deduct	-99.04	
			For Class 54 Rating, Add	67.53	
			For Class 55 Rating, Add	150.10	
40 05 19 00-3122	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,204.64	162.86
			For Class 52 Rating, Deduct	-105.37	
			For Class 54 Rating, Add	71.84	
			For Class 55 Rating, Add	159.68	
40 05 19 00-3123	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,265.08	164.80
			For Class 52 Rating, Deduct	-111.69	
			For Class 54 Rating, Add	76.15	
			For Class 55 Rating, Add	169.26	
40 05 19 00-3124	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,325.52	166.74
			For Class 52 Rating, Deduct	-118.02	
			For Class 54 Rating, Add	80.47	
			For Class 55 Rating, Add	178.85	
40 05 19 00-3125	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,385.95	168.69
			For Class 52 Rating, Deduct	-124.34	
			For Class 54 Rating, Add	84.78	
			For Class 55 Rating, Add	188.43	
40 05 19 00-3126	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,446.39	170.62
			For Class 52 Rating, Deduct	-130.67	
			For Class 54 Rating, Add	89.09	
			For Class 55 Rating, Add	198.02	
40 05 19 00-3127	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,506.83	172.56
			For Class 52 Rating, Deduct	-136.99	
			For Class 54 Rating, Add	93.40	
			For Class 55 Rating, Add	207.60	
40 05 19 00-3128	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,567.27	174.49
			For Class 52 Rating, Deduct	-143.32	
			For Class 54 Rating, Add	97.72	
			For Class 55 Rating, Add	217.19	
40 05 19 00-3129	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,627.70	176.44
			For Class 52 Rating, Deduct	-149.64	
			For Class 54 Rating, Add	102.03	
			For Class 55 Rating, Add	226.78	
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,688.14	178.37
			For Class 52 Rating, Deduct	-155.97	
			For Class 54 Rating, Add	106.34	
			For Class 55 Rating, Add	236.36	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,748.58	180.31
			For Class 52 Rating, Deduct	-162.29	
			For Class 54 Rating, Add	110.65	
			For Class 55 Rating, Add	245.95	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,809.02	182.25
			For Class 52 Rating, Deduct	-168.62	
			For Class 54 Rating, Add	114.97	
			For Class 55 Rating, Add	255.53	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,869.45	184.18
			For Class 52 Rating, Deduct	-174.94	
			For Class 54 Rating, Add	119.28	
			For Class 55 Rating, Add	265.12	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,929.88	186.13
		For Class 52 Rating, Deduct	-181.27	
		For Class 54 Rating, Add	123.59	
		For Class 55 Rating, Add	274.70	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,990.32	188.07
		For Class 52 Rating, Deduct	-187.59	
		For Class 54 Rating, Add	127.90	
		For Class 55 Rating, Add	284.29	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,050.76	190.01
		For Class 52 Rating, Deduct	-193.92	
		For Class 54 Rating, Add	132.22	
		For Class 55 Rating, Add	293.87	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,111.20	191.94
		For Class 52 Rating, Deduct	-200.24	
		For Class 54 Rating, Add	136.53	
		For Class 55 Rating, Add	303.46	
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,171.63	193.89
		For Class 52 Rating, Deduct	-206.57	
		For Class 54 Rating, Add	140.84	
		For Class 55 Rating, Add	313.04	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,232.08	195.83
		For Class 52 Rating, Deduct	-212.89	
		For Class 54 Rating, Add	145.15	
		For Class 55 Rating, Add	322.63	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,292.51	197.76
		For Class 52 Rating, Deduct	-219.22	
		For Class 54 Rating, Add	149.47	
		For Class 55 Rating, Add	332.21	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,352.95	199.69
		For Class 52 Rating, Deduct	-225.54	
		For Class 54 Rating, Add	153.78	
		For Class 55 Rating, Add	341.80	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,413.38	201.64
		For Class 52 Rating, Deduct	-231.87	
		For Class 54 Rating, Add	158.09	
		For Class 55 Rating, Add	351.38	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,473.83	203.58
		For Class 52 Rating, Deduct	-238.19	
		For Class 54 Rating, Add	162.40	
		For Class 55 Rating, Add	360.97	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,534.26	205.51
		For Class 52 Rating, Deduct	-244.52	
		For Class 54 Rating, Add	166.72	
		For Class 55 Rating, Add	370.55	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,594.70	207.45
		For Class 52 Rating, Deduct	-250.84	
		For Class 54 Rating, Add	171.03	
		For Class 55 Rating, Add	380.14	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,655.13	209.40
		For Class 52 Rating, Deduct	-257.17	
		For Class 54 Rating, Add	175.34	
		For Class 55 Rating, Add	389.72	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,715.57	211.33
		For Class 52 Rating, Deduct	-263.49	
		For Class 54 Rating, Add	179.65	
		For Class 55 Rating, Add	399.31	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,776.00	213.27
		For Class 52 Rating, Deduct	-269.81	
		For Class 54 Rating, Add	183.96	
		For Class 55 Rating, Add	408.89	
40 05 19 00-3149		8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)		
40 05 19 00-3150	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	647.93	178.37
		For Class 52 Rating, Deduct	-41.54	
		For Class 54 Rating, Add	28.33	
		For Class 55 Rating, Add	62.96	
40 05 19 00-3151	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	725.35	180.31
		For Class 52 Rating, Deduct	-49.74	
		For Class 54 Rating, Add	33.91	
		For Class 55 Rating, Add	75.37	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA		8" Flanged x Plain End (FxE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	802.78	182.25
			<i>For Class 52 Rating, Deduct</i>	-57.93	
			<i>For Class 54 Rating, Add</i>	39.50	
			<i>For Class 55 Rating, Add</i>	87.79	
40 05 19 00-3153	EA		8" Flanged x Plain End (FxE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	880.20	184.18
			<i>For Class 52 Rating, Deduct</i>	-66.12	
			<i>For Class 54 Rating, Add</i>	45.08	
			<i>For Class 55 Rating, Add</i>	100.21	
40 05 19 00-3154	EA		8" Flanged x Plain End (FxE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	957.63	186.13
			<i>For Class 52 Rating, Deduct</i>	-74.32	
			<i>For Class 54 Rating, Add</i>	50.67	
			<i>For Class 55 Rating, Add</i>	112.63	
40 05 19 00-3155	EA		8" Flanged x Plain End (FxE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,035.05	188.07
			<i>For Class 52 Rating, Deduct</i>	-82.51	
			<i>For Class 54 Rating, Add</i>	56.26	
			<i>For Class 55 Rating, Add</i>	125.04	
40 05 19 00-3156	EA		8" Flanged x Plain End (FxE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,112.48	190.01
			<i>For Class 52 Rating, Deduct</i>	-90.70	
			<i>For Class 54 Rating, Add</i>	61.84	
			<i>For Class 55 Rating, Add</i>	137.46	
40 05 19 00-3157	EA		8" Flanged x Plain End (FxE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,189.91	191.94
			<i>For Class 52 Rating, Deduct</i>	-98.90	
			<i>For Class 54 Rating, Add</i>	67.43	
			<i>For Class 55 Rating, Add</i>	149.88	
40 05 19 00-3158	EA		8" Flanged x Plain End (FxE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,267.33	193.89
			<i>For Class 52 Rating, Deduct</i>	-107.09	
			<i>For Class 54 Rating, Add</i>	73.02	
			<i>For Class 55 Rating, Add</i>	162.29	
40 05 19 00-3159	EA		8" Flanged x Plain End (FxE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,344.76	195.83
			<i>For Class 52 Rating, Deduct</i>	-115.29	
			<i>For Class 54 Rating, Add</i>	78.60	
			<i>For Class 55 Rating, Add</i>	174.71	
40 05 19 00-3160	EA		8" Flanged x Plain End (FxE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,422.18	197.76
			<i>For Class 52 Rating, Deduct</i>	-123.48	
			<i>For Class 54 Rating, Add</i>	84.19	
			<i>For Class 55 Rating, Add</i>	187.13	
40 05 19 00-3161	EA		8" Flanged x Plain End (FxE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,499.61	199.69
			<i>For Class 52 Rating, Deduct</i>	-131.67	
			<i>For Class 54 Rating, Add</i>	89.78	
			<i>For Class 55 Rating, Add</i>	199.54	
40 05 19 00-3162	EA		8" Flanged x Plain End (FxE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,577.03	201.64
			<i>For Class 52 Rating, Deduct</i>	-139.87	
			<i>For Class 54 Rating, Add</i>	95.36	
			<i>For Class 55 Rating, Add</i>	211.96	
40 05 19 00-3163	EA		8" Flanged x Plain End (FxE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,654.46	203.58
			<i>For Class 52 Rating, Deduct</i>	-148.06	
			<i>For Class 54 Rating, Add</i>	100.95	
			<i>For Class 55 Rating, Add</i>	224.38	
40 05 19 00-3164	EA		8" Flanged x Plain End (FxE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,731.88	205.51
			<i>For Class 52 Rating, Deduct</i>	-156.25	
			<i>For Class 54 Rating, Add</i>	106.54	
			<i>For Class 55 Rating, Add</i>	236.80	
40 05 19 00-3165	EA		8" Flanged x Plain End (FxE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,809.31	207.45
			<i>For Class 52 Rating, Deduct</i>	-164.45	
			<i>For Class 54 Rating, Add</i>	112.12	
			<i>For Class 55 Rating, Add</i>	249.21	
40 05 19 00-3166	EA		8" Flanged x Plain End (FxE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,886.73	209.40
			<i>For Class 52 Rating, Deduct</i>	-172.64	
			<i>For Class 54 Rating, Add</i>	117.71	
			<i>For Class 55 Rating, Add</i>	261.63	
40 05 19 00-3167	EA		8" Flanged x Plain End (FxE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,964.16	211.33
			<i>For Class 52 Rating, Deduct</i>	-180.83	
			<i>For Class 54 Rating, Add</i>	123.30	
			<i>For Class 55 Rating, Add</i>	274.05	
40 05 19 00-3168	EA		8" Flanged x Plain End (FxE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,041.58	213.27
			<i>For Class 52 Rating, Deduct</i>	-189.03	
			<i>For Class 54 Rating, Add</i>	128.88	
			<i>For Class 55 Rating, Add</i>	286.46	
40 05 19 00-3169	EA		8" Flanged x Plain End (FxE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,119.01	215.21
			<i>For Class 52 Rating, Deduct</i>	-197.22	
			<i>For Class 54 Rating, Add</i>	134.47	
			<i>For Class 55 Rating, Add</i>	298.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3188	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,590.08	252.05
			For Class 52 Rating, Deduct	-352.90	
			For Class 54 Rating, Add	240.61	
			For Class 55 Rating, Add	534.81	
40 05 19 00-3189			10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3190	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	813.83	217.16
			For Class 52 Rating, Deduct	-53.33	
			For Class 54 Rating, Add	36.36	
			For Class 55 Rating, Add	80.82	
40 05 19 00-3191	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	913.49	219.09
			For Class 52 Rating, Deduct	-63.97	
			For Class 54 Rating, Add	43.61	
			For Class 55 Rating, Add	96.94	
40 05 19 00-3192	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,013.12	221.03
			For Class 52 Rating, Deduct	-74.61	
			For Class 54 Rating, Add	50.87	
			For Class 55 Rating, Add	113.06	
40 05 19 00-3193	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,112.76	222.96
			For Class 52 Rating, Deduct	-85.24	
			For Class 54 Rating, Add	58.12	
			For Class 55 Rating, Add	129.18	
40 05 19 00-3194	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,212.40	224.91
			For Class 52 Rating, Deduct	-95.88	
			For Class 54 Rating, Add	65.37	
			For Class 55 Rating, Add	145.30	
40 05 19 00-3195	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,312.05	226.84
			For Class 52 Rating, Deduct	-106.52	
			For Class 54 Rating, Add	72.63	
			For Class 55 Rating, Add	161.42	
40 05 19 00-3196	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,411.68	228.78
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	79.88	
			For Class 55 Rating, Add	177.54	
40 05 19 00-3197	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,511.33	230.72
			For Class 52 Rating, Deduct	-127.79	
			For Class 54 Rating, Add	87.13	
			For Class 55 Rating, Add	193.66	
40 05 19 00-3198	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,610.96	232.66
			For Class 52 Rating, Deduct	-138.43	
			For Class 54 Rating, Add	94.38	
			For Class 55 Rating, Add	209.78	
40 05 19 00-3199	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,710.61	234.60
			For Class 52 Rating, Deduct	-149.07	
			For Class 54 Rating, Add	101.64	
			For Class 55 Rating, Add	225.90	
40 05 19 00-3200	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,810.24	236.54
			For Class 52 Rating, Deduct	-159.70	
			For Class 54 Rating, Add	108.89	
			For Class 55 Rating, Add	242.02	
40 05 19 00-3201	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,909.89	238.49
			For Class 52 Rating, Deduct	-170.34	
			For Class 54 Rating, Add	116.14	
			For Class 55 Rating, Add	258.14	
40 05 19 00-3202	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,009.52	240.42
			For Class 52 Rating, Deduct	-180.98	
			For Class 54 Rating, Add	123.39	
			For Class 55 Rating, Add	274.26	
40 05 19 00-3203	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,109.17	242.36
			For Class 52 Rating, Deduct	-191.62	
			For Class 54 Rating, Add	130.65	
			For Class 55 Rating, Add	290.38	
40 05 19 00-3204	EA		10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,208.81	244.29
			For Class 52 Rating, Deduct	-202.25	
			For Class 54 Rating, Add	137.90	
			For Class 55 Rating, Add	306.51	
40 05 19 00-3205	EA		10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,308.45	246.23
			For Class 52 Rating, Deduct	-212.89	
			For Class 54 Rating, Add	145.15	
			For Class 55 Rating, Add	322.63	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,201.62	283.07
		<i>For Class 52 Rating, Deduct</i>	-415.00	
		<i>For Class 54 Rating, Add</i>	282.95	
		<i>For Class 55 Rating, Add</i>	628.91	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,301.26	285.01
		<i>For Class 52 Rating, Deduct</i>	-425.64	
		<i>For Class 54 Rating, Add</i>	290.21	
		<i>For Class 55 Rating, Add</i>	645.03	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,400.92	286.96
		<i>For Class 52 Rating, Deduct</i>	-436.28	
		<i>For Class 54 Rating, Add</i>	297.46	
		<i>For Class 55 Rating, Add</i>	661.16	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,500.55	288.89
		<i>For Class 52 Rating, Deduct</i>	-446.91	
		<i>For Class 54 Rating, Add</i>	304.71	
		<i>For Class 55 Rating, Add</i>	677.28	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,600.19	290.83
		<i>For Class 52 Rating, Deduct</i>	-457.55	
		<i>For Class 54 Rating, Add</i>	311.97	
		<i>For Class 55 Rating, Add</i>	693.40	
40 05 19 00-3229 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>				
40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,051.60	271.44
		<i>For Class 52 Rating, Deduct</i>	-70.44	
		<i>For Class 54 Rating, Add</i>	48.02	
		<i>For Class 55 Rating, Add</i>	106.74	
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,174.77	273.38
		<i>For Class 52 Rating, Deduct</i>	-83.66	
		<i>For Class 54 Rating, Add</i>	57.04	
		<i>For Class 55 Rating, Add</i>	126.79	
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,297.92	275.31
		<i>For Class 52 Rating, Deduct</i>	-96.89	
		<i>For Class 54 Rating, Add</i>	66.06	
		<i>For Class 55 Rating, Add</i>	146.83	
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,421.09	277.25
		<i>For Class 52 Rating, Deduct</i>	-110.11	
		<i>For Class 54 Rating, Add</i>	75.08	
		<i>For Class 55 Rating, Add</i>	166.87	
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,544.25	279.20
		<i>For Class 52 Rating, Deduct</i>	-123.34	
		<i>For Class 54 Rating, Add</i>	84.09	
		<i>For Class 55 Rating, Add</i>	186.91	
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,667.42	281.13
		<i>For Class 52 Rating, Deduct</i>	-136.56	
		<i>For Class 54 Rating, Add</i>	93.11	
		<i>For Class 55 Rating, Add</i>	206.95	
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,790.58	283.07
		<i>For Class 52 Rating, Deduct</i>	-149.79	
		<i>For Class 54 Rating, Add</i>	102.13	
		<i>For Class 55 Rating, Add</i>	226.99	
40 05 19 00-3237	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,913.74	285.01
		<i>For Class 52 Rating, Deduct</i>	-163.01	
		<i>For Class 54 Rating, Add</i>	111.14	
		<i>For Class 55 Rating, Add</i>	247.03	
40 05 19 00-3238	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,036.92	286.96
		<i>For Class 52 Rating, Deduct</i>	-176.24	
		<i>For Class 54 Rating, Add</i>	120.16	
		<i>For Class 55 Rating, Add</i>	267.08	
40 05 19 00-3239	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,160.07	288.89
		<i>For Class 52 Rating, Deduct</i>	-189.46	
		<i>For Class 54 Rating, Add</i>	129.18	
		<i>For Class 55 Rating, Add</i>	287.12	
40 05 19 00-3240	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,283.24	290.83
		<i>For Class 52 Rating, Deduct</i>	-202.68	
		<i>For Class 54 Rating, Add</i>	138.19	
		<i>For Class 55 Rating, Add</i>	307.16	
40 05 19 00-3241	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,406.39	292.76
		<i>For Class 52 Rating, Deduct</i>	-215.91	
		<i>For Class 54 Rating, Add</i>	147.21	
		<i>For Class 55 Rating, Add</i>	327.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3242	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,529.57	294.70
		For Class 52 Rating, Deduct	-229.13	
		For Class 54 Rating, Add	156.23	
		For Class 55 Rating, Add	347.24	
40 05 19 00-3243	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,652.72	296.64
		For Class 52 Rating, Deduct	-242.36	
		For Class 54 Rating, Add	165.24	
		For Class 55 Rating, Add	367.28	
40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,775.89	298.58
		For Class 52 Rating, Deduct	-255.58	
		For Class 54 Rating, Add	174.26	
		For Class 55 Rating, Add	387.33	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,899.05	300.52
		For Class 52 Rating, Deduct	-268.81	
		For Class 54 Rating, Add	183.28	
		For Class 55 Rating, Add	407.37	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,022.22	302.46
		For Class 52 Rating, Deduct	-282.03	
		For Class 54 Rating, Add	192.30	
		For Class 55 Rating, Add	427.41	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,145.38	304.40
		For Class 52 Rating, Deduct	-295.26	
		For Class 54 Rating, Add	201.31	
		For Class 55 Rating, Add	447.45	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,268.54	306.34
		For Class 52 Rating, Deduct	-308.48	
		For Class 54 Rating, Add	210.33	
		For Class 55 Rating, Add	467.49	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,391.70	308.27
		For Class 52 Rating, Deduct	-321.71	
		For Class 54 Rating, Add	219.35	
		For Class 55 Rating, Add	487.53	
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,514.87	310.22
		For Class 52 Rating, Deduct	-334.93	
		For Class 54 Rating, Add	228.36	
		For Class 55 Rating, Add	507.57	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,638.03	312.16
		For Class 52 Rating, Deduct	-348.16	
		For Class 54 Rating, Add	237.38	
		For Class 55 Rating, Add	527.62	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,761.20	314.09
		For Class 52 Rating, Deduct	-361.38	
		For Class 54 Rating, Add	246.40	
		For Class 55 Rating, Add	547.66	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,884.35	316.03
		For Class 52 Rating, Deduct	-374.61	
		For Class 54 Rating, Add	255.41	
		For Class 55 Rating, Add	567.70	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,007.53	317.97
		For Class 52 Rating, Deduct	-387.83	
		For Class 54 Rating, Add	264.43	
		For Class 55 Rating, Add	587.74	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,130.68	319.91
		For Class 52 Rating, Deduct	-401.06	
		For Class 54 Rating, Add	273.45	
		For Class 55 Rating, Add	607.78	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,253.85	321.85
		For Class 52 Rating, Deduct	-414.28	
		For Class 54 Rating, Add	282.47	
		For Class 55 Rating, Add	627.83	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,377.00	323.78
		For Class 52 Rating, Deduct	-427.51	
		For Class 54 Rating, Add	291.48	
		For Class 55 Rating, Add	647.87	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,500.18	325.73
		For Class 52 Rating, Deduct	-440.73	
		For Class 54 Rating, Add	300.50	
		For Class 55 Rating, Add	667.91	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,623.33	327.67
		For Class 52 Rating, Deduct	-453.96	
		For Class 54 Rating, Add	309.52	
		For Class 55 Rating, Add	687.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3260	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,746.50	329.60
			<i>For Class 52 Rating, Deduct</i>	-467.18	
			<i>For Class 54 Rating, Add</i>	318.53	
			<i>For Class 55 Rating, Add</i>	707.99	
40 05 19 00-3261	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,869.66	331.54
			<i>For Class 52 Rating, Deduct</i>	-480.41	
			<i>For Class 54 Rating, Add</i>	327.55	
			<i>For Class 55 Rating, Add</i>	728.03	
40 05 19 00-3262	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,992.83	333.49
			<i>For Class 52 Rating, Deduct</i>	-493.63	
			<i>For Class 54 Rating, Add</i>	336.57	
			<i>For Class 55 Rating, Add</i>	748.07	
40 05 19 00-3263	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,115.99	335.42
			<i>For Class 52 Rating, Deduct</i>	-506.86	
			<i>For Class 54 Rating, Add</i>	345.58	
			<i>For Class 55 Rating, Add</i>	768.12	
40 05 19 00-3264	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,239.15	337.36
			<i>For Class 52 Rating, Deduct</i>	-520.08	
			<i>For Class 54 Rating, Add</i>	354.60	
			<i>For Class 55 Rating, Add</i>	788.16	
40 05 19 00-3265	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,362.31	339.29
			<i>For Class 52 Rating, Deduct</i>	-533.31	
			<i>For Class 54 Rating, Add</i>	363.62	
			<i>For Class 55 Rating, Add</i>	808.20	
40 05 19 00-3266	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,485.48	341.24
			<i>For Class 52 Rating, Deduct</i>	-546.53	
			<i>For Class 54 Rating, Add</i>	372.63	
			<i>For Class 55 Rating, Add</i>	828.24	
40 05 19 00-3267	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,608.64	343.17
			<i>For Class 52 Rating, Deduct</i>	-559.75	
			<i>For Class 54 Rating, Add</i>	381.65	
			<i>For Class 55 Rating, Add</i>	848.28	
40 05 19 00-3268	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,731.80	345.11
			<i>For Class 52 Rating, Deduct</i>	-572.98	
			<i>For Class 54 Rating, Add</i>	390.67	
			<i>For Class 55 Rating, Add</i>	868.32	
40 05 19 00-3269			14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)		
40 05 19 00-3270	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,396.53	325.73
			<i>For Class 52 Rating, Deduct</i>	-99.33	
			<i>For Class 54 Rating, Add</i>	67.73	
			<i>For Class 55 Rating, Add</i>	150.53	
40 05 19 00-3271	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,545.82	327.67
			<i>For Class 52 Rating, Deduct</i>	-115.43	
			<i>For Class 54 Rating, Add</i>	78.70	
			<i>For Class 55 Rating, Add</i>	174.93	
40 05 19 00-3272	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,695.12	329.60
			<i>For Class 52 Rating, Deduct</i>	-131.53	
			<i>For Class 54 Rating, Add</i>	89.68	
			<i>For Class 55 Rating, Add</i>	199.33	
40 05 19 00-3273	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,844.41	331.54
			<i>For Class 52 Rating, Deduct</i>	-147.63	
			<i>For Class 54 Rating, Add</i>	100.66	
			<i>For Class 55 Rating, Add</i>	223.72	
40 05 19 00-3274	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,993.73	333.49
			<i>For Class 52 Rating, Deduct</i>	-163.73	
			<i>For Class 54 Rating, Add</i>	111.63	
			<i>For Class 55 Rating, Add</i>	248.12	
40 05 19 00-3275	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,143.02	335.42
			<i>For Class 52 Rating, Deduct</i>	-179.83	
			<i>For Class 54 Rating, Add</i>	122.61	
			<i>For Class 55 Rating, Add</i>	272.52	
40 05 19 00-3276	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,292.32	337.36
			<i>For Class 52 Rating, Deduct</i>	-195.93	
			<i>For Class 54 Rating, Add</i>	133.59	
			<i>For Class 55 Rating, Add</i>	296.92	
40 05 19 00-3277	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,441.61	339.29
			<i>For Class 52 Rating, Deduct</i>	-212.03	
			<i>For Class 54 Rating, Add</i>	144.56	
			<i>For Class 55 Rating, Add</i>	321.32	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3296	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,278.30	376.14
			For Class 52 Rating, Deduct	-517.92	
			For Class 54 Rating, Add	353.13	
			For Class 55 Rating, Add	784.89	
40 05 19 00-3297	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,427.60	378.07
			For Class 52 Rating, Deduct	-534.02	
			For Class 54 Rating, Add	364.11	
			For Class 55 Rating, Add	809.29	
40 05 19 00-3298	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,576.90	380.02
			For Class 52 Rating, Deduct	-550.12	
			For Class 54 Rating, Add	375.08	
			For Class 55 Rating, Add	833.69	
40 05 19 00-3299	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,726.21	381.96
			For Class 52 Rating, Deduct	-566.22	
			For Class 54 Rating, Add	386.06	
			For Class 55 Rating, Add	858.09	
40 05 19 00-3300	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,875.50	383.89
			For Class 52 Rating, Deduct	-582.32	
			For Class 54 Rating, Add	397.04	
			For Class 55 Rating, Add	882.48	
40 05 19 00-3301	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,024.81	385.82
			For Class 52 Rating, Deduct	-598.42	
			For Class 54 Rating, Add	408.02	
			For Class 55 Rating, Add	906.88	
40 05 19 00-3302	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,174.10	387.77
			For Class 52 Rating, Deduct	-614.52	
			For Class 54 Rating, Add	418.99	
			For Class 55 Rating, Add	931.28	
40 05 19 00-3303	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,323.40	389.71
			For Class 52 Rating, Deduct	-630.62	
			For Class 54 Rating, Add	429.97	
			For Class 55 Rating, Add	955.68	
40 05 19 00-3304	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,472.69	391.64
			For Class 52 Rating, Deduct	-646.72	
			For Class 54 Rating, Add	440.95	
			For Class 55 Rating, Add	980.08	
40 05 19 00-3305	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,622.00	393.58
			For Class 52 Rating, Deduct	-662.82	
			For Class 54 Rating, Add	451.92	
			For Class 55 Rating, Add	1,004.48	
40 05 19 00-3306	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,771.30	395.53
			For Class 52 Rating, Deduct	-678.92	
			For Class 54 Rating, Add	462.90	
			For Class 55 Rating, Add	1,028.88	
40 05 19 00-3307	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,920.60	397.47
			For Class 52 Rating, Deduct	-695.02	
			For Class 54 Rating, Add	473.88	
			For Class 55 Rating, Add	1,053.27	
40 05 19 00-3308			16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe..... <small>(40 05 19 00-3068)</small>		
40 05 19 00-3309	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,629.07	372.26
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	79.88	
			For Class 55 Rating, Add	177.54	
40 05 19 00-3310	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,801.89	374.20
			For Class 52 Rating, Deduct	-135.84	
			For Class 54 Rating, Add	92.62	
			For Class 55 Rating, Add	205.86	
40 05 19 00-3311	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,974.71	376.14
			For Class 52 Rating, Deduct	-154.53	
			For Class 54 Rating, Add	105.36	
			For Class 55 Rating, Add	234.18	
40 05 19 00-3312	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,147.53	378.07
			For Class 52 Rating, Deduct	-173.22	
			For Class 54 Rating, Add	118.10	
			For Class 55 Rating, Add	262.50	
40 05 19 00-3313	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,320.36	380.02
			For Class 52 Rating, Deduct	-191.90	
			For Class 54 Rating, Add	130.84	
			For Class 55 Rating, Add	290.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3314 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,493.18	381.96
For Class 52 Rating, Deduct.....	-210.59	
For Class 54 Rating, Add.....	143.58	
For Class 55 Rating, Add.....	319.14	
40 05 19 00-3315 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,666.00	383.89
For Class 52 Rating, Deduct.....	-229.28	
For Class 54 Rating, Add.....	156.33	
For Class 55 Rating, Add.....	347.46	
40 05 19 00-3316 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,838.83	385.82
For Class 52 Rating, Deduct.....	-247.97	
For Class 54 Rating, Add.....	169.07	
For Class 55 Rating, Add.....	375.78	
40 05 19 00-3317 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,011.64	387.77
For Class 52 Rating, Deduct.....	-266.65	
For Class 54 Rating, Add.....	181.81	
For Class 55 Rating, Add.....	404.10	
40 05 19 00-3318 EA 16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,184.47	389.71
For Class 52 Rating, Deduct.....	-285.34	
For Class 54 Rating, Add.....	194.55	
For Class 55 Rating, Add.....	432.42	
40 05 19 00-3319 EA 16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,357.28	391.64
For Class 52 Rating, Deduct.....	-304.03	
For Class 54 Rating, Add.....	207.29	
For Class 55 Rating, Add.....	460.74	
40 05 19 00-3320 EA 16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,530.12	393.58
For Class 52 Rating, Deduct.....	-322.71	
For Class 54 Rating, Add.....	220.03	
For Class 55 Rating, Add.....	489.06	
40 05 19 00-3321 EA 16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,702.93	395.53
For Class 52 Rating, Deduct.....	-341.40	
For Class 54 Rating, Add.....	232.77	
For Class 55 Rating, Add.....	517.38	
40 05 19 00-3322 EA 16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,875.75	397.47
For Class 52 Rating, Deduct.....	-360.09	
For Class 54 Rating, Add.....	245.51	
For Class 55 Rating, Add.....	545.70	
40 05 19 00-3323 EA 16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,048.57	399.40
For Class 52 Rating, Deduct.....	-378.78	
For Class 54 Rating, Add.....	258.26	
For Class 55 Rating, Add.....	574.02	
40 05 19 00-3324 EA 16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,221.40	401.34
For Class 52 Rating, Deduct.....	-397.46	
For Class 54 Rating, Add.....	271.00	
For Class 55 Rating, Add.....	602.34	
40 05 19 00-3325 EA 16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,394.22	403.29
For Class 52 Rating, Deduct.....	-416.15	
For Class 54 Rating, Add.....	283.74	
For Class 55 Rating, Add.....	630.66	
40 05 19 00-3326 EA 16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,567.04	405.22
For Class 52 Rating, Deduct.....	-434.84	
For Class 54 Rating, Add.....	296.48	
For Class 55 Rating, Add.....	658.98	
40 05 19 00-3327 EA 16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,739.85	407.16
For Class 52 Rating, Deduct.....	-453.52	
For Class 54 Rating, Add.....	309.22	
For Class 55 Rating, Add.....	687.30	
40 05 19 00-3328 EA 16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,912.69	409.09
For Class 52 Rating, Deduct.....	-472.21	
For Class 54 Rating, Add.....	321.96	
For Class 55 Rating, Add.....	715.62	
40 05 19 00-3329 EA 16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,085.50	411.04
For Class 52 Rating, Deduct.....	-490.90	
For Class 54 Rating, Add.....	334.70	
For Class 55 Rating, Add.....	743.94	
40 05 19 00-3330 EA 16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,258.33	412.97
For Class 52 Rating, Deduct.....	-509.59	
For Class 54 Rating, Add.....	347.45	
For Class 55 Rating, Add.....	772.26	
40 05 19 00-3331 EA 16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,431.14	414.91
For Class 52 Rating, Deduct.....	-528.27	
For Class 54 Rating, Add.....	360.19	
For Class 55 Rating, Add.....	800.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3332	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,603.97	416.85
			<i>For Class 52 Rating, Deduct</i>	-546.96	
			<i>For Class 54 Rating, Add</i>	372.93	
			<i>For Class 55 Rating, Add</i>	828.89	
40 05 19 00-3333	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,776.79	418.80
			<i>For Class 52 Rating, Deduct</i>	-565.65	
			<i>For Class 54 Rating, Add</i>	385.67	
			<i>For Class 55 Rating, Add</i>	857.21	
40 05 19 00-3334	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,949.61	420.73
			<i>For Class 52 Rating, Deduct</i>	-584.34	
			<i>For Class 54 Rating, Add</i>	398.41	
			<i>For Class 55 Rating, Add</i>	885.53	
40 05 19 00-3335	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,122.43	422.67
			<i>For Class 52 Rating, Deduct</i>	-603.02	
			<i>For Class 54 Rating, Add</i>	411.15	
			<i>For Class 55 Rating, Add</i>	913.85	
40 05 19 00-3336	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,295.26	424.61
			<i>For Class 52 Rating, Deduct</i>	-621.71	
			<i>For Class 54 Rating, Add</i>	423.89	
			<i>For Class 55 Rating, Add</i>	942.17	
40 05 19 00-3337	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,468.07	426.54
			<i>For Class 52 Rating, Deduct</i>	-640.40	
			<i>For Class 54 Rating, Add</i>	436.63	
			<i>For Class 55 Rating, Add</i>	970.49	
40 05 19 00-3338	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,640.90	428.49
			<i>For Class 52 Rating, Deduct</i>	-659.08	
			<i>For Class 54 Rating, Add</i>	449.38	
			<i>For Class 55 Rating, Add</i>	998.81	
40 05 19 00-3339	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,813.71	430.42
			<i>For Class 52 Rating, Deduct</i>	-677.77	
			<i>For Class 54 Rating, Add</i>	462.12	
			<i>For Class 55 Rating, Add</i>	1,027.13	
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,986.55	432.36
			<i>For Class 52 Rating, Deduct</i>	-696.46	
			<i>For Class 54 Rating, Add</i>	474.86	
			<i>For Class 55 Rating, Add</i>	1,055.45	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,159.36	434.29
			<i>For Class 52 Rating, Deduct</i>	-715.15	
			<i>For Class 54 Rating, Add</i>	487.60	
			<i>For Class 55 Rating, Add</i>	1,083.77	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,332.18	436.24
			<i>For Class 52 Rating, Deduct</i>	-733.83	
			<i>For Class 54 Rating, Add</i>	500.34	
			<i>For Class 55 Rating, Add</i>	1,112.09	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,505.00	438.18
			<i>For Class 52 Rating, Deduct</i>	-752.52	
			<i>For Class 54 Rating, Add</i>	513.08	
			<i>For Class 55 Rating, Add</i>	1,140.41	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,677.83	440.11
			<i>For Class 52 Rating, Deduct</i>	-771.21	
			<i>For Class 54 Rating, Add</i>	525.82	
			<i>For Class 55 Rating, Add</i>	1,168.73	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,850.65	442.05
			<i>For Class 52 Rating, Deduct</i>	-789.90	
			<i>For Class 54 Rating, Add</i>	538.57	
			<i>For Class 55 Rating, Add</i>	1,197.05	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,023.47	444.00
			<i>For Class 52 Rating, Deduct</i>	-808.58	
			<i>For Class 54 Rating, Add</i>	551.31	
			<i>For Class 55 Rating, Add</i>	1,225.37	
40 05 19 00-3347			18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3348	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,883.70	419.57
			<i>For Class 52 Rating, Deduct</i>	-137.28	
			<i>For Class 54 Rating, Add</i>	93.60	
			<i>For Class 55 Rating, Add</i>	208.04	
40 05 19 00-3349	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,082.65	421.51
			<i>For Class 52 Rating, Deduct</i>	-158.84	
			<i>For Class 54 Rating, Add</i>	108.30	
			<i>For Class 55 Rating, Add</i>	240.72	

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3350 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,281.62	423.44
For Class 52 Rating, Deduct	-180.40	
For Class 54 Rating, Add	123.00	
For Class 55 Rating, Add	273.39	
40 05 19 00-3351 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,480.57	425.38
For Class 52 Rating, Deduct	-201.97	
For Class 54 Rating, Add	137.70	
For Class 55 Rating, Add	306.07	
40 05 19 00-3352 EA 18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,679.53	427.33
For Class 52 Rating, Deduct	-223.53	
For Class 54 Rating, Add	152.41	
For Class 55 Rating, Add	338.75	
40 05 19 00-3353 EA 18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	2,878.48	429.26
For Class 52 Rating, Deduct	-245.09	
For Class 54 Rating, Add	167.11	
For Class 55 Rating, Add	371.42	
40 05 19 00-3354 EA 18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,077.45	431.20
For Class 52 Rating, Deduct	-266.65	
For Class 54 Rating, Add	181.81	
For Class 55 Rating, Add	404.10	
40 05 19 00-3355 EA 18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,276.40	433.14
For Class 52 Rating, Deduct	-288.21	
For Class 54 Rating, Add	196.51	
For Class 55 Rating, Add	436.78	
40 05 19 00-3356 EA 18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,475.36	435.08
For Class 52 Rating, Deduct	-309.78	
For Class 54 Rating, Add	211.21	
For Class 55 Rating, Add	469.45	
40 05 19 00-3357 EA 18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,674.31	437.01
For Class 52 Rating, Deduct	-331.34	
For Class 54 Rating, Add	225.91	
For Class 55 Rating, Add	502.13	
40 05 19 00-3358 EA 18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	3,873.28	438.95
For Class 52 Rating, Deduct	-352.90	
For Class 54 Rating, Add	240.61	
For Class 55 Rating, Add	534.81	
40 05 19 00-3359 EA 18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,072.23	440.89
For Class 52 Rating, Deduct	-374.46	
For Class 54 Rating, Add	255.32	
For Class 55 Rating, Add	567.48	
40 05 19 00-3360 EA 18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,271.19	442.82
For Class 52 Rating, Deduct	-396.03	
For Class 54 Rating, Add	270.02	
For Class 55 Rating, Add	600.16	
40 05 19 00-3361 EA 18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,470.14	444.77
For Class 52 Rating, Deduct	-417.59	
For Class 54 Rating, Add	284.72	
For Class 55 Rating, Add	632.83	
40 05 19 00-3362 EA 18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,669.11	446.71
For Class 52 Rating, Deduct	-439.15	
For Class 54 Rating, Add	299.42	
For Class 55 Rating, Add	665.51	
40 05 19 00-3363 EA 18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	4,868.06	448.65
For Class 52 Rating, Deduct	-460.71	
For Class 54 Rating, Add	314.12	
For Class 55 Rating, Add	698.19	
40 05 19 00-3364 EA 18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,067.02	450.59
For Class 52 Rating, Deduct	-482.27	
For Class 54 Rating, Add	328.82	
For Class 55 Rating, Add	730.86	
40 05 19 00-3365 EA 18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,265.97	452.53
For Class 52 Rating, Deduct	-503.84	
For Class 54 Rating, Add	343.52	
For Class 55 Rating, Add	763.54	
40 05 19 00-3366 EA 18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,464.94	454.47
For Class 52 Rating, Deduct	-525.40	
For Class 54 Rating, Add	358.23	
For Class 55 Rating, Add	796.22	
40 05 19 00-3367 EA 18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
Coat, Ductile Iron Pipe.....	5,663.89	456.40
For Class 52 Rating, Deduct	-546.96	
For Class 54 Rating, Add	372.93	
For Class 55 Rating, Add	828.89	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3368	EA 18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,862.85	458.34
	<i>For Class 52 Rating, Deduct</i>	-568.52	
	<i>For Class 54 Rating, Add</i>	387.63	
	<i>For Class 55 Rating, Add</i>	861.57	
40 05 19 00-3369	EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,061.81	460.28
	<i>For Class 52 Rating, Deduct</i>	-590.09	
	<i>For Class 54 Rating, Add</i>	402.33	
	<i>For Class 55 Rating, Add</i>	894.25	
40 05 19 00-3370	EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,260.77	462.22
	<i>For Class 52 Rating, Deduct</i>	-611.65	
	<i>For Class 54 Rating, Add</i>	417.03	
	<i>For Class 55 Rating, Add</i>	926.92	
40 05 19 00-3371	EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,459.72	464.15
	<i>For Class 52 Rating, Deduct</i>	-633.21	
	<i>For Class 54 Rating, Add</i>	431.73	
	<i>For Class 55 Rating, Add</i>	959.60	
40 05 19 00-3372	EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,658.68	466.10
	<i>For Class 52 Rating, Deduct</i>	-654.77	
	<i>For Class 54 Rating, Add</i>	446.44	
	<i>For Class 55 Rating, Add</i>	992.28	
40 05 19 00-3373	EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,857.64	468.04
	<i>For Class 52 Rating, Deduct</i>	-676.33	
	<i>For Class 54 Rating, Add</i>	461.14	
	<i>For Class 55 Rating, Add</i>	1,024.95	
40 05 19 00-3374	EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,056.60	469.98
	<i>For Class 52 Rating, Deduct</i>	-697.90	
	<i>For Class 54 Rating, Add</i>	475.84	
	<i>For Class 55 Rating, Add</i>	1,057.63	
40 05 19 00-3375	EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,255.55	471.91
	<i>For Class 52 Rating, Deduct</i>	-719.46	
	<i>For Class 54 Rating, Add</i>	490.54	
	<i>For Class 55 Rating, Add</i>	1,090.31	
40 05 19 00-3376	EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,454.51	473.86
	<i>For Class 52 Rating, Deduct</i>	-741.02	
	<i>For Class 54 Rating, Add</i>	505.24	
	<i>For Class 55 Rating, Add</i>	1,122.98	
40 05 19 00-3377	EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,653.47	475.80
	<i>For Class 52 Rating, Deduct</i>	-762.58	
	<i>For Class 54 Rating, Add</i>	519.94	
	<i>For Class 55 Rating, Add</i>	1,155.66	
40 05 19 00-3378	EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,852.43	477.73
	<i>For Class 52 Rating, Deduct</i>	-784.14	
	<i>For Class 54 Rating, Add</i>	534.64	
	<i>For Class 55 Rating, Add</i>	1,188.34	
40 05 19 00-3379	EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,051.38	479.67
	<i>For Class 52 Rating, Deduct</i>	-805.71	
	<i>For Class 54 Rating, Add</i>	549.35	
	<i>For Class 55 Rating, Add</i>	1,221.01	
40 05 19 00-3380	EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,250.34	481.61
	<i>For Class 52 Rating, Deduct</i>	-827.27	
	<i>For Class 54 Rating, Add</i>	564.05	
	<i>For Class 55 Rating, Add</i>	1,253.69	
40 05 19 00-3381	EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,449.30	483.55
	<i>For Class 52 Rating, Deduct</i>	-848.83	
	<i>For Class 54 Rating, Add</i>	578.75	
	<i>For Class 55 Rating, Add</i>	1,286.37	
40 05 19 00-3382	EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,648.26	485.48
	<i>For Class 52 Rating, Deduct</i>	-870.39	
	<i>For Class 54 Rating, Add</i>	593.45	
	<i>For Class 55 Rating, Add</i>	1,319.04	
40 05 19 00-3383	EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,847.21	487.42
	<i>For Class 52 Rating, Deduct</i>	-891.96	
	<i>For Class 54 Rating, Add</i>	608.15	
	<i>For Class 55 Rating, Add</i>	1,351.72	
40 05 19 00-3384	EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,046.17	489.37
	<i>For Class 52 Rating, Deduct</i>	-913.52	
	<i>For Class 54 Rating, Add</i>	622.85	
	<i>For Class 55 Rating, Add</i>	1,384.40	
40 05 19 00-3385	EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,245.13	491.30
	<i>For Class 52 Rating, Deduct</i>	-935.08	
	<i>For Class 54 Rating, Add</i>	637.55	
	<i>For Class 55 Rating, Add</i>	1,417.07	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3404	EA	20"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,038.02	511.85
			<i>For Class 52 Rating, Deduct</i>	-578.87	
			<i>For Class 54 Rating, Add</i>	394.69	
			<i>For Class 55 Rating, Add</i>	877.26	
40 05 19 00-3405	EA	20"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,264.42	513.80
			<i>For Class 52 Rating, Deduct</i>	-603.45	
			<i>For Class 54 Rating, Add</i>	411.45	
			<i>For Class 55 Rating, Add</i>	914.51	
40 05 19 00-3406	EA	20"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,490.83	515.74
			<i>For Class 52 Rating, Deduct</i>	-628.04	
			<i>For Class 54 Rating, Add</i>	428.21	
			<i>For Class 55 Rating, Add</i>	951.76	
40 05 19 00-3407	EA	20"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,717.22	517.67
			<i>For Class 52 Rating, Deduct</i>	-652.62	
			<i>For Class 54 Rating, Add</i>	444.97	
			<i>For Class 55 Rating, Add</i>	989.01	
40 05 19 00-3408	EA	20"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,943.62	519.61
			<i>For Class 52 Rating, Deduct</i>	-677.20	
			<i>For Class 54 Rating, Add</i>	461.72	
			<i>For Class 55 Rating, Add</i>	1,026.26	
40 05 19 00-3409	EA	20"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,170.02	521.56
			<i>For Class 52 Rating, Deduct</i>	-701.78	
			<i>For Class 54 Rating, Add</i>	478.49	
			<i>For Class 55 Rating, Add</i>	1,063.51	
40 05 19 00-3410	EA	20"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,396.43	523.49
			<i>For Class 52 Rating, Deduct</i>	-726.36	
			<i>For Class 54 Rating, Add</i>	495.24	
			<i>For Class 55 Rating, Add</i>	1,100.76	
40 05 19 00-3411	EA	20"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,622.82	525.42
			<i>For Class 52 Rating, Deduct</i>	-750.94	
			<i>For Class 54 Rating, Add</i>	512.00	
			<i>For Class 55 Rating, Add</i>	1,138.01	
40 05 19 00-3412	EA	20"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,849.23	527.36
			<i>For Class 52 Rating, Deduct</i>	-775.52	
			<i>For Class 54 Rating, Add</i>	528.76	
			<i>For Class 55 Rating, Add</i>	1,175.27	
40 05 19 00-3413	EA	20"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,075.62	529.31
			<i>For Class 52 Rating, Deduct</i>	-800.10	
			<i>For Class 54 Rating, Add</i>	545.52	
			<i>For Class 55 Rating, Add</i>	1,212.52	
40 05 19 00-3414	EA	20"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,302.03	531.24
			<i>For Class 52 Rating, Deduct</i>	-824.68	
			<i>For Class 54 Rating, Add</i>	562.28	
			<i>For Class 55 Rating, Add</i>	1,249.77	
40 05 19 00-3415	EA	20"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,528.42	533.18
			<i>For Class 52 Rating, Deduct</i>	-849.26	
			<i>For Class 54 Rating, Add</i>	579.04	
			<i>For Class 55 Rating, Add</i>	1,287.02	
40 05 19 00-3416	EA	20"	Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,754.83	535.12
			<i>For Class 52 Rating, Deduct</i>	-873.84	
			<i>For Class 54 Rating, Add</i>	595.80	
			<i>For Class 55 Rating, Add</i>	1,324.27	
40 05 19 00-3417	EA	20"	Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,981.22	537.06
			<i>For Class 52 Rating, Deduct</i>	-898.43	
			<i>For Class 54 Rating, Add</i>	612.56	
			<i>For Class 55 Rating, Add</i>	1,361.52	
40 05 19 00-3418	EA	20"	Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,207.63	539.00
			<i>For Class 52 Rating, Deduct</i>	-923.01	
			<i>For Class 54 Rating, Add</i>	629.32	
			<i>For Class 55 Rating, Add</i>	1,398.77	
40 05 19 00-3419	EA	20"	Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,434.03	540.94
			<i>For Class 52 Rating, Deduct</i>	-947.59	
			<i>For Class 54 Rating, Add</i>	646.08	
			<i>For Class 55 Rating, Add</i>	1,436.03	
40 05 19 00-3420	EA	20"	Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,660.43	542.88
			<i>For Class 52 Rating, Deduct</i>	-972.17	
			<i>For Class 54 Rating, Add</i>	662.84	
			<i>For Class 55 Rating, Add</i>	1,473.28	
40 05 19 00-3421	EA	20"	Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,886.82	544.82
			<i>For Class 52 Rating, Deduct</i>	-996.75	
			<i>For Class 54 Rating, Add</i>	679.60	
			<i>For Class 55 Rating, Add</i>	1,510.53	

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Ductile Iron Process Pipe 40 05 19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3422	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,113.23	546.76
			For Class 52 Rating, Deduct	-1,021.33	
			For Class 54 Rating, Add	696.36	
			For Class 55 Rating, Add	1,547.78	
40 05 19 00-3423	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,339.63	548.69
			For Class 52 Rating, Deduct	-1,045.91	
			For Class 54 Rating, Add	713.12	
			For Class 55 Rating, Add	1,585.03	
40 05 19 00-3424	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,566.03	550.62
			For Class 52 Rating, Deduct	-1,070.49	
			For Class 54 Rating, Add	729.88	
			For Class 55 Rating, Add	1,622.28	
40 05 19 00-3425			24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)		
40 05 19 00-3426	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,684.70	566.14
			For Class 52 Rating, Deduct	-200.96	
			For Class 54 Rating, Add	137.02	
			For Class 55 Rating, Add	304.55	
40 05 19 00-3427	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,964.67	568.09
			For Class 52 Rating, Deduct	-231.43	
			For Class 54 Rating, Add	157.80	
			For Class 55 Rating, Add	350.73	
40 05 19 00-3428	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,244.66	570.02
			For Class 52 Rating, Deduct	-261.91	
			For Class 54 Rating, Add	178.57	
			For Class 55 Rating, Add	396.91	
40 05 19 00-3429	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,524.64	571.96
			For Class 52 Rating, Deduct	-292.38	
			For Class 54 Rating, Add	199.35	
			For Class 55 Rating, Add	443.09	
40 05 19 00-3430	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,804.61	573.89
			For Class 52 Rating, Deduct	-322.86	
			For Class 54 Rating, Add	220.13	
			For Class 55 Rating, Add	489.28	
40 05 19 00-3431	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,084.59	575.84
			For Class 52 Rating, Deduct	-353.33	
			For Class 54 Rating, Add	240.91	
			For Class 55 Rating, Add	535.46	
40 05 19 00-3432	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,364.58	577.78
			For Class 52 Rating, Deduct	-383.81	
			For Class 54 Rating, Add	261.69	
			For Class 55 Rating, Add	581.64	
40 05 19 00-3433	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,644.56	579.71
			For Class 52 Rating, Deduct	-414.28	
			For Class 54 Rating, Add	282.47	
			For Class 55 Rating, Add	627.83	
40 05 19 00-3434	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,924.53	581.65
			For Class 52 Rating, Deduct	-444.76	
			For Class 54 Rating, Add	303.24	
			For Class 55 Rating, Add	674.01	
40 05 19 00-3435	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,204.51	583.60
			For Class 52 Rating, Deduct	-475.23	
			For Class 54 Rating, Add	324.02	
			For Class 55 Rating, Add	720.19	
40 05 19 00-3436	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,484.49	585.53
			For Class 52 Rating, Deduct	-505.71	
			For Class 54 Rating, Add	344.80	
			For Class 55 Rating, Add	766.37	
40 05 19 00-3437	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,764.47	587.47
			For Class 52 Rating, Deduct	-536.18	
			For Class 54 Rating, Add	365.58	
			For Class 55 Rating, Add	812.56	
40 05 19 00-3438	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,044.45	589.41
			For Class 52 Rating, Deduct	-566.66	
			For Class 54 Rating, Add	386.36	
			For Class 55 Rating, Add	858.74	
40 05 19 00-3439	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,324.43	591.35
			For Class 52 Rating, Deduct	-597.13	
			For Class 54 Rating, Add	407.13	
			For Class 55 Rating, Add	904.92	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



WE FINANCE, BUILD AND DELIVER.

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,604.41	593.29
		For Class 52 Rating, Deduct	-627.60	
		For Class 54 Rating, Add	427.91	
		For Class 55 Rating, Add	951.11	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,884.39	595.22
		For Class 52 Rating, Deduct	-658.08	
		For Class 54 Rating, Add	448.69	
		For Class 55 Rating, Add	997.29	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,164.36	597.16
		For Class 52 Rating, Deduct	-688.55	
		For Class 54 Rating, Add	469.47	
		For Class 55 Rating, Add	1,043.47	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,444.34	599.09
		For Class 52 Rating, Deduct	-719.03	
		For Class 54 Rating, Add	490.25	
		For Class 55 Rating, Add	1,089.65	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,724.33	601.04
		For Class 52 Rating, Deduct	-749.50	
		For Class 54 Rating, Add	511.02	
		For Class 55 Rating, Add	1,135.84	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,004.31	602.98
		For Class 52 Rating, Deduct	-779.98	
		For Class 54 Rating, Add	531.80	
		For Class 55 Rating, Add	1,182.02	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,284.28	604.92
		For Class 52 Rating, Deduct	-810.45	
		For Class 54 Rating, Add	552.58	
		For Class 55 Rating, Add	1,228.20	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,564.26	606.85
		For Class 52 Rating, Deduct	-840.93	
		For Class 54 Rating, Add	573.36	
		For Class 55 Rating, Add	1,274.38	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,844.24	608.80
		For Class 52 Rating, Deduct	-871.40	
		For Class 54 Rating, Add	594.14	
		For Class 55 Rating, Add	1,320.57	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,124.22	610.74
		For Class 52 Rating, Deduct	-901.87	
		For Class 54 Rating, Add	614.91	
		For Class 55 Rating, Add	1,366.75	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,404.19	612.68
		For Class 52 Rating, Deduct	-932.35	
		For Class 54 Rating, Add	635.69	
		For Class 55 Rating, Add	1,412.93	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,684.18	614.61
		For Class 52 Rating, Deduct	-962.82	
		For Class 54 Rating, Add	656.47	
		For Class 55 Rating, Add	1,459.12	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,964.16	616.55
		For Class 52 Rating, Deduct	-993.30	
		For Class 54 Rating, Add	677.25	
		For Class 55 Rating, Add	1,505.30	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,244.14	618.49
		For Class 52 Rating, Deduct	-1,023.77	
		For Class 54 Rating, Add	698.03	
		For Class 55 Rating, Add	1,551.48	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,524.11	620.42
		For Class 52 Rating, Deduct	-1,054.25	
		For Class 54 Rating, Add	718.81	
		For Class 55 Rating, Add	1,597.66	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,854.03	655.33
		For Class 52 Rating, Deduct	-1,084.72	
		For Class 54 Rating, Add	739.58	
		For Class 55 Rating, Add	1,643.85	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,134.01	657.27
		For Class 52 Rating, Deduct	-1,115.20	
		For Class 54 Rating, Add	760.36	
		For Class 55 Rating, Add	1,690.03	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,413.99	659.21
		For Class 52 Rating, Deduct	-1,145.67	
		For Class 54 Rating, Add	781.14	
		For Class 55 Rating, Add	1,736.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3458	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,693.98	661.14
			<i>For Class 52 Rating, Deduct</i>	-1,176.15	
			<i>For Class 54 Rating, Add</i>	801.92	
			<i>For Class 55 Rating, Add</i>	1,782.40	
40 05 19 00-3459	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,973.95	663.09
			<i>For Class 52 Rating, Deduct</i>	-1,206.62	
			<i>For Class 54 Rating, Add</i>	822.70	
			<i>For Class 55 Rating, Add</i>	1,828.58	
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,560.73	665.02
			<i>For Class 52 Rating, Deduct</i>	-1,380.84	
			<i>For Class 54 Rating, Add</i>	941.48	
			<i>For Class 55 Rating, Add</i>	2,092.61	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,533.90	666.96
			<i>For Class 52 Rating, Deduct</i>	-1,267.57	
			<i>For Class 54 Rating, Add</i>	864.25	
			<i>For Class 55 Rating, Add</i>	1,920.94	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,813.89	668.89
			<i>For Class 52 Rating, Deduct</i>	-1,298.04	
			<i>For Class 54 Rating, Add</i>	885.03	
			<i>For Class 55 Rating, Add</i>	1,967.13	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,093.88	670.84
			<i>For Class 52 Rating, Deduct</i>	-1,328.52	
			<i>For Class 54 Rating, Add</i>	905.81	
			<i>For Class 55 Rating, Add</i>	2,013.31	
40 05 19 00-3464			30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3465	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,469.47	798.81
			<i>For Class 52 Rating, Deduct</i>	-358.51	
			<i>For Class 54 Rating, Add</i>	244.44	
			<i>For Class 55 Rating, Add</i>	543.30	
40 05 19 00-3466	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,869.68	800.74
			<i>For Class 52 Rating, Deduct</i>	-402.21	
			<i>For Class 54 Rating, Add</i>	274.23	
			<i>For Class 55 Rating, Add</i>	609.53	
40 05 19 00-3467	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,269.87	802.68
			<i>For Class 52 Rating, Deduct</i>	-445.91	
			<i>For Class 54 Rating, Add</i>	304.03	
			<i>For Class 55 Rating, Add</i>	675.75	
40 05 19 00-3468	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,670.08	804.62
			<i>For Class 52 Rating, Deduct</i>	-489.61	
			<i>For Class 54 Rating, Add</i>	333.82	
			<i>For Class 55 Rating, Add</i>	741.98	
40 05 19 00-3469	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,070.29	806.56
			<i>For Class 52 Rating, Deduct</i>	-533.31	
			<i>For Class 54 Rating, Add</i>	363.62	
			<i>For Class 55 Rating, Add</i>	808.20	
40 05 19 00-3470	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,470.50	808.49
			<i>For Class 52 Rating, Deduct</i>	-577.01	
			<i>For Class 54 Rating, Add</i>	393.41	
			<i>For Class 55 Rating, Add</i>	874.42	
40 05 19 00-3471	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,870.69	810.43
			<i>For Class 52 Rating, Deduct</i>	-620.70	
			<i>For Class 54 Rating, Add</i>	423.21	
			<i>For Class 55 Rating, Add</i>	940.65	
40 05 19 00-3472	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,270.90	812.38
			<i>For Class 52 Rating, Deduct</i>	-664.40	
			<i>For Class 54 Rating, Add</i>	453.00	
			<i>For Class 55 Rating, Add</i>	1,006.87	
40 05 19 00-3473	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,671.11	814.31
			<i>For Class 52 Rating, Deduct</i>	-708.10	
			<i>For Class 54 Rating, Add</i>	482.80	
			<i>For Class 55 Rating, Add</i>	1,073.10	
40 05 19 00-3474	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,071.31	816.25
			<i>For Class 52 Rating, Deduct</i>	-751.80	
			<i>For Class 54 Rating, Add</i>	512.59	
			<i>For Class 55 Rating, Add</i>	1,139.32	
40 05 19 00-3475	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,471.51	818.19
			<i>For Class 52 Rating, Deduct</i>	-795.50	
			<i>For Class 54 Rating, Add</i>	542.39	
			<i>For Class 55 Rating, Add</i>	1,205.55	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3476	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,871.72	820.14
			<i>For Class 52 Rating, Deduct</i>	-839.20	
			<i>For Class 54 Rating, Add</i>	572.18	
			<i>For Class 55 Rating, Add</i>	1,271.77	
40 05 19 00-3477	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,271.93	822.07
			<i>For Class 52 Rating, Deduct</i>	-882.90	
			<i>For Class 54 Rating, Add</i>	601.98	
			<i>For Class 55 Rating, Add</i>	1,338.00	
40 05 19 00-3478	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,672.13	824.01
			<i>For Class 52 Rating, Deduct</i>	-926.60	
			<i>For Class 54 Rating, Add</i>	631.77	
			<i>For Class 55 Rating, Add</i>	1,404.22	
40 05 19 00-3479	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,072.33	825.94
			<i>For Class 52 Rating, Deduct</i>	-970.30	
			<i>For Class 54 Rating, Add</i>	661.57	
			<i>For Class 55 Rating, Add</i>	1,470.44	
40 05 19 00-3480	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,472.54	827.89
			<i>For Class 52 Rating, Deduct</i>	-1,014.00	
			<i>For Class 54 Rating, Add</i>	691.36	
			<i>For Class 55 Rating, Add</i>	1,536.67	
40 05 19 00-3481	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,872.74	829.82
			<i>For Class 52 Rating, Deduct</i>	-1,057.70	
			<i>For Class 54 Rating, Add</i>	721.16	
			<i>For Class 55 Rating, Add</i>	1,602.89	
40 05 19 00-3482	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,272.95	831.76
			<i>For Class 52 Rating, Deduct</i>	-1,101.40	
			<i>For Class 54 Rating, Add</i>	750.95	
			<i>For Class 55 Rating, Add</i>	1,669.12	
40 05 19 00-3483	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,673.15	833.70
			<i>For Class 52 Rating, Deduct</i>	-1,145.10	
			<i>For Class 54 Rating, Add</i>	780.75	
			<i>For Class 55 Rating, Add</i>	1,735.34	
40 05 19 00-3484	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,073.36	835.64
			<i>For Class 52 Rating, Deduct</i>	-1,188.80	
			<i>For Class 54 Rating, Add</i>	810.54	
			<i>For Class 55 Rating, Add</i>	1,801.57	
40 05 19 00-3485	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,473.56	837.58
			<i>For Class 52 Rating, Deduct</i>	-1,232.50	
			<i>For Class 54 Rating, Add</i>	840.34	
			<i>For Class 55 Rating, Add</i>	1,867.79	
40 05 19 00-3486	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,873.77	839.52
			<i>For Class 52 Rating, Deduct</i>	-1,276.19	
			<i>For Class 54 Rating, Add</i>	870.13	
			<i>For Class 55 Rating, Add</i>	1,934.02	
40 05 19 00-3487	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,273.97	841.45
			<i>For Class 52 Rating, Deduct</i>	-1,319.89	
			<i>For Class 54 Rating, Add</i>	899.93	
			<i>For Class 55 Rating, Add</i>	2,000.24	
40 05 19 00-3488	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,674.17	843.40
			<i>For Class 52 Rating, Deduct</i>	-1,363.59	
			<i>For Class 54 Rating, Add</i>	929.72	
			<i>For Class 55 Rating, Add</i>	2,066.46	
40 05 19 00-3489	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,074.38	845.34
			<i>For Class 52 Rating, Deduct</i>	-1,407.29	
			<i>For Class 54 Rating, Add</i>	959.52	
			<i>For Class 55 Rating, Add</i>	2,132.69	
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,474.59	847.28
			<i>For Class 52 Rating, Deduct</i>	-1,450.99	
			<i>For Class 54 Rating, Add</i>	989.31	
			<i>For Class 55 Rating, Add</i>	2,198.91	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,874.79	849.21
			<i>For Class 52 Rating, Deduct</i>	-1,494.69	
			<i>For Class 54 Rating, Add</i>	1,019.11	
			<i>For Class 55 Rating, Add</i>	2,265.14	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,274.99	851.15
			<i>For Class 52 Rating, Deduct</i>	-1,538.39	
			<i>For Class 54 Rating, Add</i>	1,048.90	
			<i>For Class 55 Rating, Add</i>	2,331.36	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,675.20	853.09
			<i>For Class 52 Rating, Deduct</i>	-1,582.09	
			<i>For Class 54 Rating, Add</i>	1,078.70	
			<i>For Class 55 Rating, Add</i>	2,397.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,075.41	855.03
			<i>For Class 52 Rating, Deduct</i>	-1,625.79	
			<i>For Class 54 Rating, Add</i>	1,108.49	
			<i>For Class 55 Rating, Add</i>	2,463.81	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,475.61	856.96
			<i>For Class 52 Rating, Deduct</i>	-1,669.49	
			<i>For Class 54 Rating, Add</i>	1,138.29	
			<i>For Class 55 Rating, Add</i>	2,530.04	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,875.81	858.91
			<i>For Class 52 Rating, Deduct</i>	-1,713.19	
			<i>For Class 54 Rating, Add</i>	1,168.08	
			<i>For Class 55 Rating, Add</i>	2,596.26	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,276.03	860.85
			<i>For Class 52 Rating, Deduct</i>	-1,756.89	
			<i>For Class 54 Rating, Add</i>	1,197.88	
			<i>For Class 55 Rating, Add</i>	2,662.48	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,676.23	862.78
			<i>For Class 52 Rating, Deduct</i>	-1,800.59	
			<i>For Class 54 Rating, Add</i>	1,227.67	
			<i>For Class 55 Rating, Add</i>	2,728.71	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,076.43	864.72
			<i>For Class 52 Rating, Deduct</i>	-1,844.29	
			<i>For Class 54 Rating, Add</i>	1,257.47	
			<i>For Class 55 Rating, Add</i>	2,794.93	
40 05 19 00-3500			36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,592.37	1,012.07
			<i>For Class 52 Rating, Deduct</i>	-446.48	
			<i>For Class 54 Rating, Add</i>	304.42	
			<i>For Class 55 Rating, Add</i>	676.62	
40 05 19 00-3502	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,128.49	1,014.02
			<i>For Class 52 Rating, Deduct</i>	-505.13	
			<i>For Class 54 Rating, Add</i>	344.41	
			<i>For Class 55 Rating, Add</i>	765.50	
40 05 19 00-3503	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,664.59	1,015.95
			<i>For Class 52 Rating, Deduct</i>	-563.78	
			<i>For Class 54 Rating, Add</i>	384.40	
			<i>For Class 55 Rating, Add</i>	854.38	
40 05 19 00-3504	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,200.70	1,017.89
			<i>For Class 52 Rating, Deduct</i>	-622.43	
			<i>For Class 54 Rating, Add</i>	424.38	
			<i>For Class 55 Rating, Add</i>	943.26	
40 05 19 00-3505	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,736.82	1,019.83
			<i>For Class 52 Rating, Deduct</i>	-681.08	
			<i>For Class 54 Rating, Add</i>	464.37	
			<i>For Class 55 Rating, Add</i>	1,032.14	
40 05 19 00-3506	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,272.93	1,021.76
			<i>For Class 52 Rating, Deduct</i>	-739.73	
			<i>For Class 54 Rating, Add</i>	504.36	
			<i>For Class 55 Rating, Add</i>	1,121.02	
40 05 19 00-3507	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,809.04	1,023.71
			<i>For Class 52 Rating, Deduct</i>	-798.38	
			<i>For Class 54 Rating, Add</i>	544.35	
			<i>For Class 55 Rating, Add</i>	1,209.90	
40 05 19 00-3508	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,345.15	1,025.65
			<i>For Class 52 Rating, Deduct</i>	-857.03	
			<i>For Class 54 Rating, Add</i>	584.34	
			<i>For Class 55 Rating, Add</i>	1,298.78	
40 05 19 00-3509	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,881.27	1,027.59
			<i>For Class 52 Rating, Deduct</i>	-915.68	
			<i>For Class 54 Rating, Add</i>	624.32	
			<i>For Class 55 Rating, Add</i>	1,387.66	
40 05 19 00-3510	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,417.38	1,029.52
			<i>For Class 52 Rating, Deduct</i>	-974.32	
			<i>For Class 54 Rating, Add</i>	664.31	
			<i>For Class 55 Rating, Add</i>	1,476.54	
40 05 19 00-3511	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,953.48	1,031.47
			<i>For Class 52 Rating, Deduct</i>	-1,032.97	
			<i>For Class 54 Rating, Add</i>	704.30	
			<i>For Class 55 Rating, Add</i>	1,565.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3512	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,489.60	1,033.41
			<i>For Class 52 Rating, Deduct</i>	-1,091.62	
			<i>For Class 54 Rating, Add</i>	744.29	
			<i>For Class 55 Rating, Add</i>	1,654.30	
40 05 19 00-3513	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,025.71	1,035.34
			<i>For Class 52 Rating, Deduct</i>	-1,150.27	
			<i>For Class 54 Rating, Add</i>	784.28	
			<i>For Class 55 Rating, Add</i>	1,743.18	
40 05 19 00-3514	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,561.83	1,037.27
			<i>For Class 52 Rating, Deduct</i>	-1,208.92	
			<i>For Class 54 Rating, Add</i>	824.26	
			<i>For Class 55 Rating, Add</i>	1,832.06	
40 05 19 00-3515	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,097.93	1,039.22
			<i>For Class 52 Rating, Deduct</i>	-1,267.57	
			<i>For Class 54 Rating, Add</i>	864.25	
			<i>For Class 55 Rating, Add</i>	1,920.94	
40 05 19 00-3516	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,634.05	1,041.16
			<i>For Class 52 Rating, Deduct</i>	-1,326.22	
			<i>For Class 54 Rating, Add</i>	904.24	
			<i>For Class 55 Rating, Add</i>	2,009.83	
40 05 19 00-3517	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,170.16	1,043.09
			<i>For Class 52 Rating, Deduct</i>	-1,384.87	
			<i>For Class 54 Rating, Add</i>	944.23	
			<i>For Class 55 Rating, Add</i>	2,098.70	
40 05 19 00-3518	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,706.28	1,045.03
			<i>For Class 52 Rating, Deduct</i>	-1,443.52	
			<i>For Class 54 Rating, Add</i>	984.22	
			<i>For Class 55 Rating, Add</i>	2,187.59	
40 05 19 00-3519	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,242.38	1,046.98
			<i>For Class 52 Rating, Deduct</i>	-1,502.17	
			<i>For Class 54 Rating, Add</i>	1,024.20	
			<i>For Class 55 Rating, Add</i>	2,276.47	
40 05 19 00-3520	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,778.49	1,048.92
			<i>For Class 52 Rating, Deduct</i>	-1,560.82	
			<i>For Class 54 Rating, Add</i>	1,064.19	
			<i>For Class 55 Rating, Add</i>	2,365.34	
40 05 19 00-3521	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,314.61	1,050.85
			<i>For Class 52 Rating, Deduct</i>	-1,619.47	
			<i>For Class 54 Rating, Add</i>	1,104.18	
			<i>For Class 55 Rating, Add</i>	2,454.23	
40 05 19 00-3522	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,850.72	1,052.79
			<i>For Class 52 Rating, Deduct</i>	-1,678.11	
			<i>For Class 54 Rating, Add</i>	1,144.17	
			<i>For Class 55 Rating, Add</i>	2,543.11	
40 05 19 00-3523	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,386.84	1,054.74
			<i>For Class 52 Rating, Deduct</i>	-1,736.76	
			<i>For Class 54 Rating, Add</i>	1,184.16	
			<i>For Class 55 Rating, Add</i>	2,631.99	
40 05 19 00-3524	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,922.94	1,056.67
			<i>For Class 52 Rating, Deduct</i>	-1,795.41	
			<i>For Class 54 Rating, Add</i>	1,224.14	
			<i>For Class 55 Rating, Add</i>	2,720.87	
40 05 19 00-3525	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,459.07	1,058.61
			<i>For Class 52 Rating, Deduct</i>	-1,854.06	
			<i>For Class 54 Rating, Add</i>	1,264.13	
			<i>For Class 55 Rating, Add</i>	2,809.75	
40 05 19 00-3526	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,995.17	1,060.54
			<i>For Class 52 Rating, Deduct</i>	-1,912.71	
			<i>For Class 54 Rating, Add</i>	1,304.12	
			<i>For Class 55 Rating, Add</i>	2,898.63	
40 05 19 00-3527	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,531.29	1,062.49
			<i>For Class 52 Rating, Deduct</i>	-1,971.36	
			<i>For Class 54 Rating, Add</i>	1,344.11	
			<i>For Class 55 Rating, Add</i>	2,987.51	
40 05 19 00-3528	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,067.39	1,064.42
			<i>For Class 52 Rating, Deduct</i>	-2,030.01	
			<i>For Class 54 Rating, Add</i>	1,384.10	
			<i>For Class 55 Rating, Add</i>	3,076.39	
40 05 19 00-3529	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,603.51	1,066.36
			<i>For Class 52 Rating, Deduct</i>	-2,088.66	
			<i>For Class 54 Rating, Add</i>	1,424.09	
			<i>For Class 55 Rating, Add</i>	3,165.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,139.62	1,068.30
			For Class 52 Rating, Deduct.....	-2,147.31	
			For Class 54 Rating, Add.....	1,464.07	
			For Class 55 Rating, Add.....	3,254.15	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,675.73	1,070.24
			For Class 52 Rating, Deduct.....	-2,205.96	
			For Class 54 Rating, Add.....	1,504.06	
			For Class 55 Rating, Add.....	3,343.03	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,211.84	1,072.18
			For Class 52 Rating, Deduct.....	-2,264.61	
			For Class 54 Rating, Add.....	1,544.05	
			For Class 55 Rating, Add.....	3,431.91	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,747.96	1,074.12
			For Class 52 Rating, Deduct.....	-2,323.26	
			For Class 54 Rating, Add.....	1,584.04	
			For Class 55 Rating, Add.....	3,520.79	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,284.07	1,076.06
			For Class 52 Rating, Deduct.....	-2,381.90	
			For Class 54 Rating, Add.....	1,624.03	
			For Class 55 Rating, Add.....	3,609.67	
40 05 19 00-3535	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,820.18	1,078.00
			For Class 52 Rating, Deduct.....	-2,440.55	
			For Class 54 Rating, Add.....	1,664.01	
			For Class 55 Rating, Add.....	3,698.55	
40 05 19 00-3536			42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3537	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,374.49	1,275.76
			For Class 52 Rating, Deduct.....	-598.57	
			For Class 54 Rating, Add.....	408.11	
			For Class 55 Rating, Add.....	907.10	
40 05 19 00-3538	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,164.11	1,277.69
			For Class 52 Rating, Deduct.....	-685.10	
			For Class 54 Rating, Add.....	467.12	
			For Class 55 Rating, Add.....	1,038.24	
40 05 19 00-3539	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,947.22	1,279.63
			For Class 52 Rating, Deduct.....	-770.92	
			For Class 54 Rating, Add.....	525.63	
			For Class 55 Rating, Add.....	1,168.30	
40 05 19 00-3540	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,738.15	1,281.58
			For Class 52 Rating, Deduct.....	-857.60	
			For Class 54 Rating, Add.....	584.73	
			For Class 55 Rating, Add.....	1,299.65	
40 05 19 00-3541	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,523.86	1,283.52
			For Class 52 Rating, Deduct.....	-943.71	
			For Class 54 Rating, Add.....	643.44	
			For Class 55 Rating, Add.....	1,430.14	
40 05 19 00-3542	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,317.41	1,285.45
			For Class 52 Rating, Deduct.....	-1,030.67	
			For Class 54 Rating, Add.....	702.73	
			For Class 55 Rating, Add.....	1,561.94	
40 05 19 00-3543	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,103.13	1,287.39
			For Class 52 Rating, Deduct.....	-1,116.78	
			For Class 54 Rating, Add.....	761.44	
			For Class 55 Rating, Add.....	1,692.43	
40 05 19 00-3544	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,897.98	1,289.34
			For Class 52 Rating, Deduct.....	-1,203.89	
			For Class 54 Rating, Add.....	820.83	
			For Class 55 Rating, Add.....	1,824.44	
40 05 19 00-3545	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,685.00	1,291.27
			For Class 52 Rating, Deduct.....	-1,290.14	
			For Class 54 Rating, Add.....	879.64	
			For Class 55 Rating, Add.....	1,955.15	
40 05 19 00-3546	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,481.16	1,293.20
			For Class 52 Rating, Deduct.....	-1,377.39	
			For Class 54 Rating, Add.....	939.13	
			For Class 55 Rating, Add.....	2,087.38	
40 05 19 00-3547	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,268.19	1,295.14
			For Class 52 Rating, Deduct.....	-1,463.64	
			For Class 54 Rating, Add.....	997.94	
			For Class 55 Rating, Add.....	2,218.08	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3548	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,064.35	1,297.09
			<i>For Class 52 Rating, Deduct</i>	-1,550.90	
			<i>For Class 54 Rating, Add</i>	1,057.43	
			<i>For Class 55 Rating, Add</i>	2,350.31	
40 05 19 00-3549	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,852.67	1,299.02
			<i>For Class 52 Rating, Deduct</i>	-1,637.29	
			<i>For Class 54 Rating, Add</i>	1,116.33	
			<i>For Class 55 Rating, Add</i>	2,481.24	
40 05 19 00-3550	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,642.30	1,300.96
			<i>For Class 52 Rating, Deduct</i>	-1,723.83	
			<i>For Class 54 Rating, Add</i>	1,175.34	
			<i>For Class 55 Rating, Add</i>	2,612.38	
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,437.17	1,302.90
			<i>For Class 52 Rating, Deduct</i>	-1,810.94	
			<i>For Class 54 Rating, Add</i>	1,234.73	
			<i>For Class 55 Rating, Add</i>	2,744.39	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,225.48	1,304.85
			<i>For Class 52 Rating, Deduct</i>	-1,897.33	
			<i>For Class 54 Rating, Add</i>	1,293.63	
			<i>For Class 55 Rating, Add</i>	2,875.32	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,022.96	1,306.78
			<i>For Class 52 Rating, Deduct</i>	-1,984.73	
			<i>For Class 54 Rating, Add</i>	1,353.22	
			<i>For Class 55 Rating, Add</i>	3,007.77	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,812.58	1,308.72
			<i>For Class 52 Rating, Deduct</i>	-2,071.26	
			<i>For Class 54 Rating, Add</i>	1,412.23	
			<i>For Class 55 Rating, Add</i>	3,138.91	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,608.76	1,310.66
			<i>For Class 52 Rating, Deduct</i>	-2,158.52	
			<i>For Class 54 Rating, Add</i>	1,471.72	
			<i>For Class 55 Rating, Add</i>	3,271.14	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,398.38	1,312.60
			<i>For Class 52 Rating, Deduct</i>	-2,245.06	
			<i>For Class 54 Rating, Add</i>	1,530.72	
			<i>For Class 55 Rating, Add</i>	3,402.28	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,195.86	1,314.54
			<i>For Class 52 Rating, Deduct</i>	-2,332.46	
			<i>For Class 54 Rating, Add</i>	1,590.31	
			<i>For Class 55 Rating, Add</i>	3,534.73	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,985.48	1,316.47
			<i>For Class 52 Rating, Deduct</i>	-2,418.99	
			<i>For Class 54 Rating, Add</i>	1,649.31	
			<i>For Class 55 Rating, Add</i>	3,665.87	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,782.96	1,318.41
			<i>For Class 52 Rating, Deduct</i>	-2,506.39	
			<i>For Class 54 Rating, Add</i>	1,708.90	
			<i>For Class 55 Rating, Add</i>	3,798.32	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,571.28	1,320.35
			<i>For Class 52 Rating, Deduct</i>	-2,592.78	
			<i>For Class 54 Rating, Add</i>	1,767.81	
			<i>For Class 55 Rating, Add</i>	3,929.24	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,370.06	1,322.29
			<i>For Class 52 Rating, Deduct</i>	-2,680.32	
			<i>For Class 54 Rating, Add</i>	1,827.49	
			<i>For Class 55 Rating, Add</i>	4,061.91	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,159.69	1,324.23
			<i>For Class 52 Rating, Deduct</i>	-2,766.86	
			<i>For Class 54 Rating, Add</i>	1,886.50	
			<i>For Class 55 Rating, Add</i>	4,193.05	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,955.86	1,326.16
			<i>For Class 52 Rating, Deduct</i>	-2,854.12	
			<i>For Class 54 Rating, Add</i>	1,945.99	
			<i>For Class 55 Rating, Add</i>	4,325.28	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,746.79	1,328.11
			<i>For Class 52 Rating, Deduct</i>	-2,940.80	
			<i>For Class 54 Rating, Add</i>	2,005.09	
			<i>For Class 55 Rating, Add</i>	4,456.64	
40 05 19 00-3565	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,382.23	1,330.05
			<i>For Class 52 Rating, Deduct</i>	-3,010.37	
			<i>For Class 54 Rating, Add</i>	2,052.53	
			<i>For Class 55 Rating, Add</i>	4,562.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3566 EA 42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,333.89	1,331.99
For Class 52 Rating, Deduct	-3,114.73	
For Class 54 Rating, Add	2,123.68	
For Class 55 Rating, Add	4,720.23	
40 05 19 00-3567 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,122.23	1,333.92
For Class 52 Rating, Deduct	-3,201.12	
For Class 54 Rating, Add	2,182.58	
For Class 55 Rating, Add	4,851.16	
40 05 19 00-3568 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,919.69	1,335.87
For Class 52 Rating, Deduct	-3,288.52	
For Class 54 Rating, Add	2,242.17	
For Class 55 Rating, Add	4,983.61	
40 05 19 00-3569 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,709.33	1,337.80
For Class 52 Rating, Deduct	-3,375.06	
For Class 54 Rating, Add	2,301.18	
For Class 55 Rating, Add	5,114.75	
40 05 19 00-3570 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,508.11	1,339.74
For Class 52 Rating, Deduct	-3,462.60	
For Class 54 Rating, Add	2,360.87	
For Class 55 Rating, Add	5,247.42	
40 05 19 00-3571 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,296.44	1,341.67
For Class 52 Rating, Deduct	-3,548.99	
For Class 54 Rating, Add	2,419.77	
For Class 55 Rating, Add	5,378.34	
40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3573 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,505.75	1,603.42
For Class 52 Rating, Deduct	-778.40	
For Class 54 Rating, Add	530.72	
For Class 55 Rating, Add	1,179.62	
40 05 19 00-3574 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,640.37	1,605.36
For Class 52 Rating, Deduct	-902.88	
For Class 54 Rating, Add	615.60	
For Class 55 Rating, Add	1,368.28	
40 05 19 00-3575 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,778.92	1,607.30
For Class 52 Rating, Deduct	-1,027.80	
For Class 54 Rating, Add	700.77	
For Class 55 Rating, Add	1,557.58	
40 05 19 00-3576 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,929.23	1,609.25
For Class 52 Rating, Deduct	-1,154.01	
For Class 54 Rating, Add	786.82	
For Class 55 Rating, Add	1,748.85	
40 05 19 00-3577 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,076.93	1,611.18
For Class 52 Rating, Deduct	-1,279.93	
For Class 54 Rating, Add	872.68	
For Class 55 Rating, Add	1,939.68	
40 05 19 00-3578 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,225.92	1,613.12
For Class 52 Rating, Deduct	-1,406.00	
For Class 54 Rating, Add	958.64	
For Class 55 Rating, Add	2,130.73	
40 05 19 00-3579 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,382.77	1,615.06
For Class 52 Rating, Deduct	-1,532.93	
For Class 54 Rating, Add	1,045.18	
For Class 55 Rating, Add	2,323.08	
40 05 19 00-3580 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,537.00	1,616.99
For Class 52 Rating, Deduct	-1,659.57	
For Class 54 Rating, Add	1,131.53	
For Class 55 Rating, Add	2,515.00	
40 05 19 00-3581 EA 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,688.61	1,618.94
For Class 52 Rating, Deduct	-1,785.92	
For Class 54 Rating, Add	1,217.68	
For Class 55 Rating, Add	2,706.49	
40 05 19 00-3582 EA 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,850.67	1,620.87
For Class 52 Rating, Deduct	-1,913.43	
For Class 54 Rating, Add	1,304.61	
For Class 55 Rating, Add	2,899.71	
40 05 19 00-3583 EA 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,007.52	1,622.81
For Class 52 Rating, Deduct	-2,040.36	
For Class 54 Rating, Add	1,391.15	
For Class 55 Rating, Add	3,092.07	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3584	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,170.91	1,624.74
			<i>For Class 52 Rating, Deduct</i>	-2,168.01	
			<i>For Class 54 Rating, Add</i>	1,478.19	
			<i>For Class 55 Rating, Add</i>	3,285.52	
40 05 19 00-3585	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,326.44	1,626.69
			<i>For Class 52 Rating, Deduct</i>	-2,294.79	
			<i>For Class 54 Rating, Add</i>	1,564.63	
			<i>For Class 55 Rating, Add</i>	3,477.66	
40 05 19 00-3586	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,484.59	1,628.63
			<i>For Class 52 Rating, Deduct</i>	-2,421.87	
			<i>For Class 54 Rating, Add</i>	1,651.27	
			<i>For Class 55 Rating, Add</i>	3,670.23	
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,649.27	1,630.57
			<i>For Class 52 Rating, Deduct</i>	-2,549.66	
			<i>For Class 54 Rating, Add</i>	1,738.40	
			<i>For Class 55 Rating, Add</i>	3,863.89	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,807.42	1,632.50
			<i>For Class 52 Rating, Deduct</i>	-2,676.73	
			<i>For Class 54 Rating, Add</i>	1,825.04	
			<i>For Class 55 Rating, Add</i>	4,056.46	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,965.56	1,634.45
			<i>For Class 52 Rating, Deduct</i>	-2,803.80	
			<i>For Class 54 Rating, Add</i>	1,911.68	
			<i>For Class 55 Rating, Add</i>	4,249.04	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,131.56	1,636.39
			<i>For Class 52 Rating, Deduct</i>	-2,931.74	
			<i>For Class 54 Rating, Add</i>	1,998.91	
			<i>For Class 55 Rating, Add</i>	4,442.92	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,291.01	1,638.32
			<i>For Class 52 Rating, Deduct</i>	-3,058.96	
			<i>For Class 54 Rating, Add</i>	2,085.65	
			<i>For Class 55 Rating, Add</i>	4,635.71	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,449.17	1,640.26
			<i>For Class 52 Rating, Deduct</i>	-3,186.03	
			<i>For Class 54 Rating, Add</i>	2,172.29	
			<i>For Class 55 Rating, Add</i>	4,828.29	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,617.76	1,642.20
			<i>For Class 52 Rating, Deduct</i>	-3,314.25	
			<i>For Class 54 Rating, Add</i>	2,259.72	
			<i>For Class 55 Rating, Add</i>	5,022.60	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,778.53	1,644.14
			<i>For Class 52 Rating, Deduct</i>	-3,441.62	
			<i>For Class 54 Rating, Add</i>	2,346.56	
			<i>For Class 55 Rating, Add</i>	5,215.61	
40 05 19 00-3595	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,937.98	1,646.07
			<i>For Class 52 Rating, Deduct</i>	-3,568.83	
			<i>For Class 54 Rating, Add</i>	2,433.29	
			<i>For Class 55 Rating, Add</i>	5,408.40	
40 05 19 00-3596	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,105.28	1,648.01
			<i>For Class 52 Rating, Deduct</i>	-3,696.91	
			<i>For Class 54 Rating, Add</i>	2,520.62	
			<i>For Class 55 Rating, Add</i>	5,602.50	
40 05 19 00-3597	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,266.04	1,649.96
			<i>For Class 52 Rating, Deduct</i>	-3,824.27	
			<i>For Class 54 Rating, Add</i>	2,607.46	
			<i>For Class 55 Rating, Add</i>	5,795.51	
40 05 19 00-3598	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,425.50	1,651.89
			<i>For Class 52 Rating, Deduct</i>	-3,951.49	
			<i>For Class 54 Rating, Add</i>	2,694.20	
			<i>For Class 55 Rating, Add</i>	5,988.30	
40 05 19 00-3599	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,594.10	1,653.83
			<i>For Class 52 Rating, Deduct</i>	-4,079.71	
			<i>For Class 54 Rating, Add</i>	2,781.62	
			<i>For Class 55 Rating, Add</i>	6,182.62	
40 05 19 00-3600	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,754.87	1,655.77
			<i>For Class 52 Rating, Deduct</i>	-4,207.07	
			<i>For Class 54 Rating, Add</i>	2,868.46	
			<i>For Class 55 Rating, Add</i>	6,375.63	
40 05 19 00-3601	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,778.41	1,657.72
			<i>For Class 52 Rating, Deduct</i>	-4,319.34	
			<i>For Class 54 Rating, Add</i>	2,945.00	
			<i>For Class 55 Rating, Add</i>	6,545.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3602	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,085.53	1,659.65
			<i>For Class 52 Rating, Deduct</i>	-4,462.80	
			<i>For Class 54 Rating, Add</i>	3,042.82	
			<i>For Class 55 Rating, Add</i>	6,763.17	
40 05 19 00-3603	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,244.99	1,661.59
			<i>For Class 52 Rating, Deduct</i>	-4,590.02	
			<i>For Class 54 Rating, Add</i>	3,129.56	
			<i>For Class 55 Rating, Add</i>	6,955.96	
40 05 19 00-3604	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,416.21	1,663.52
			<i>For Class 52 Rating, Deduct</i>	-4,718.53	
			<i>For Class 54 Rating, Add</i>	3,217.18	
			<i>For Class 55 Rating, Add</i>	7,150.71	
40 05 19 00-3605	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,575.66	1,665.47
			<i>For Class 52 Rating, Deduct</i>	-4,845.75	
			<i>For Class 54 Rating, Add</i>	3,303.92	
			<i>For Class 55 Rating, Add</i>	7,343.51	
40 05 19 00-3606	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,735.12	1,667.40
			<i>For Class 52 Rating, Deduct</i>	-4,972.96	
			<i>For Class 54 Rating, Add</i>	3,390.66	
			<i>For Class 55 Rating, Add</i>	7,536.30	
40 05 19 00-3607	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	48,906.34	1,669.34
			<i>For Class 52 Rating, Deduct</i>	-5,101.47	
			<i>For Class 54 Rating, Add</i>	3,478.28	
			<i>For Class 55 Rating, Add</i>	7,731.05	
40 05 19 00-3608			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3609	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	608.26	93.54
40 05 19 00-3610	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	896.06	119.62
40 05 19 00-3611	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,289.93	135.49
40 05 19 00-3612	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,849.33	171.78
40 05 19 00-3613	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,311.54	190.48
40 05 19 00-3614	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,843.48	206.93
40 05 19 00-3615	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,491.49	255.11
40 05 19 00-3616	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,384.24	306.13
40 05 19 00-3617	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,355.22	385.50
40 05 19 00-3618	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	8,010.84	436.52
40 05 19 00-3619	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,463.54	578.25
40 05 19 00-3620	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	18,546.34	654.79
40 05 19 00-3621	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	31,769.14	748.33
40 05 19 00-3622	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	42,049.98	918.40
40 05 19 00-3623			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3624	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	578.20	93.54
40 05 19 00-3625	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	846.40	119.62
40 05 19 00-3626	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,167.09	135.49
40 05 19 00-3627	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,674.22	171.78
40 05 19 00-3628	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,085.46	190.48
40 05 19 00-3629	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,434.46	206.93
40 05 19 00-3630	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,992.29	255.11
40 05 19 00-3631	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,814.48	306.13
40 05 19 00-3632	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,797.21	385.50
40 05 19 00-3633	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,321.15	436.52
40 05 19 00-3634	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	12,164.28	578.25
40 05 19 00-3635	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	18,146.46	654.79
40 05 19 00-3636	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,511.59	748.33
40 05 19 00-3637	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	37,231.81	918.40
40 05 19 00-3638			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3639	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	576.89	93.54
40 05 19 00-3640	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	829.41	119.62
40 05 19 00-3641	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,156.64	135.49
40 05 19 00-3642	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,633.71	171.78
40 05 19 00-3643	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,175.63	190.48
40 05 19 00-3644	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,710.19	206.93
40 05 19 00-3645	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,055.02	255.11
40 05 19 00-3646	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,890.27	306.13
40 05 19 00-3647	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,122.61	385.50
40 05 19 00-3648	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	7,072.56	436.52
40 05 19 00-3649	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	12,297.57	578.25
40 05 19 00-3650	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	18,450.95	654.79
40 05 19 00-3651	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	28,119.25	748.33
40 05 19 00-3652	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	38,026.34	918.40

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3653 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3654	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	627.86	93.54
40 05 19 00-3655	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	924.81	119.62
40 05 19 00-3656	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,195.84	135.49
40 05 19 00-3657	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,773.53	171.78
40 05 19 00-3658	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,435.68	190.48
40 05 19 00-3659	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,776.84	206.93
40 05 19 00-3660	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,335.98	255.11
40 05 19 00-3661	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,890.27	306.13
40 05 19 00-3662	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,122.61	385.50
40 05 19 00-3663	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,339.15	436.52
40 05 19 00-3664	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	12,428.25	578.25
40 05 19 00-3665	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	18,584.24	654.79
40 05 19 00-3666	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,259.08	748.33
40 05 19 00-3667	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	38,308.61	918.40

40 05 19 00-3668 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3669	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	875.00	106.58
40 05 19 00-3670	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,135.31	114.51
40 05 19 00-3671	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,232.18	127.56
40 05 19 00-3672	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,705.12	132.65
40 05 19 00-3673	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,734.03	145.69
40 05 19 00-3674	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,862.36	153.64
40 05 19 00-3675	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,037.44	155.34
40 05 19 00-3676	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,278.15	163.27
40 05 19 00-3677	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,382.73	181.41
40 05 19 00-3678	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,377.46	163.27
40 05 19 00-3679	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,580.29	171.20
40 05 19 00-3680	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,795.95	189.35
40 05 19 00-3681	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,040.54	198.98
40 05 19 00-3682	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,736.75	187.37
40 05 19 00-3683	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,901.67	195.30
40 05 19 00-3684	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,232.34	213.44
40 05 19 00-3685	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,477.81	222.79
40 05 19 00-3686	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,678.45	231.01
40 05 19 00-3687	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,179.20	212.88
40 05 19 00-3688	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,687.82	220.81
40 05 19 00-3689	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,750.59	238.96
40 05 19 00-3690	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,917.65	248.30
40 05 19 00-3691	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,196.70	256.52
40 05 19 00-3692	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,497.18	280.62
40 05 19 00-3693	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,978.98	252.56
40 05 19 00-3694	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,197.49	260.49
40 05 19 00-3695	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,044.33	278.63
40 05 19 00-3696	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,197.02	287.99
40 05 19 00-3697	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,668.16	296.21
40 05 19 00-3698	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,516.49	320.31
40 05 19 00-3699	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,799.51	345.81
40 05 19 00-3700	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,524.37	278.07
40 05 19 00-3701	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,738.95	286.00
40 05 19 00-3702	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,095.75	304.15
40 05 19 00-3703	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,355.61	313.50
40 05 19 00-3704	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,859.42	321.72
40 05 19 00-3705	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,306.25	345.81
40 05 19 00-3706	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,425.92	371.32
40 05 19 00-3707	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,786.91	367.22
40 05 19 00-3708	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,413.73	384.36
40 05 19 00-3709	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,954.13	392.58
40 05 19 00-3710	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,277.83	416.68
40 05 19 00-3711	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,705.62	442.19
40 05 19 00-3712	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,038.98	481.88
40 05 19 00-3713	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,211.94	507.39
40 05 19 00-3714	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,448.79	520.14
40 05 19 00-3715	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,977.19	545.65
40 05 19 00-3716	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,832.05	616.52
40 05 19 00-3717	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,450.62	566.91
40 05 19 00-3718	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,039.44	592.43
40 05 19 00-3719	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,995.21	663.29
40 05 19 00-3720	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	35,744.13	701.56
40 05 19 00-3721	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,185.48	684.55
40 05 19 00-3722	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	37,157.35	755.41
40 05 19 00-3723	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	38,215.04	793.68
40 05 19 00-3724	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	47,451.79	840.45

40 05 19 00-3725 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2059)

40 05 19 00-3726	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	719.34	93.54
40 05 19 00-3727	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,139.12	119.62
40 05 19 00-3728	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,702.88	135.49
40 05 19 00-3729	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,382.50	171.78

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3730	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,346.52	190.48
40 05 19 00-3731	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,928.13	206.93
40 05 19 00-3732	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,008.68	255.11
40 05 19 00-3733	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,132.74	306.13
40 05 19 00-3734	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,194.89	385.50
40 05 19 00-3735	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	11,986.13	436.52
40 05 19 00-3736	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	20,807.45	578.25
40 05 19 00-3737	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	31,565.99	654.79
40 05 19 00-3738	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	48,705.27	748.33
40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-2059)				
40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	755.93	93.54
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,067.25	119.62
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	1,751.23	135.49
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	2,345.91	171.78
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,146.58	190.48
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	3,736.03	206.93
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	4,552.61	255.11
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	5,641.38	306.13
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	7,291.89	385.50
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	10,266.38	436.52
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	16,595.64	578.25
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	23,671.61	654.79
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	41,788.38	748.33
40 05 19 00-3753	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base.....	46,868.15	918.40
40 05 19 00-3754 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-2059)				
40 05 19 00-3755	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	918.92	150.23
40 05 19 00-3756	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,192.17	184.82
40 05 19 00-3757	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,739.69	206.35
40 05 19 00-3758	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,467.11	268.15
40 05 19 00-3759	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,318.19	292.52
40 05 19 00-3760	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,468.99	314.63
40 05 19 00-3761	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,814.39	396.84
40 05 19 00-3762	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,990.15	453.53
40 05 19 00-3763	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,534.84	572.58
40 05 19 00-3764	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	11,162.54	632.11
40 05 19 00-3765	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	18,393.52	873.05
40 05 19 00-3766	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	26,070.83	1,000.60
40 05 19 00-3767	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	56,014.54	1,156.50
40 05 19 00-3768 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-2059)				
40 05 19 00-3769	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,233.04	167.80
40 05 19 00-3770	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,611.95	171.20
40 05 19 00-3771	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,579.25	192.75
40 05 19 00-3772	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,158.23	189.35
40 05 19 00-3773	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,095.47	210.89
40 05 19 00-3774	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,182.73	224.49
40 05 19 00-3775	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,767.42	198.98
40 05 19 00-3776	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,726.88	220.53
40 05 19 00-3777	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,844.20	234.14
40 05 19 00-3778	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,277.55	277.78
40 05 19 00-3779	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,985.63	206.93
40 05 19 00-3780	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,882.36	228.47
40 05 19 00-3781	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,017.97	242.07
40 05 19 00-3782	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,159.90	285.73
40 05 19 00-3783	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,373.47	300.74
40 05 19 00-3784	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,815.37	231.01
40 05 19 00-3785	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,033.87	252.56
40 05 19 00-3786	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,123.75	266.17
40 05 19 00-3787	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,981.80	309.81
40 05 19 00-3788	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,445.25	324.84
40 05 19 00-3789	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,324.87	338.73
40 05 19 00-3790	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,506.38	278.07
40 05 19 00-3791	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,317.61	291.67
40 05 19 00-3792	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,267.44	335.33
40 05 19 00-3793	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,967.43	350.35
40 05 19 00-3794	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,144.99	364.24
40 05 19 00-3795	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,461.71	422.35
40 05 19 00-3796	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,453.52	317.76
40 05 19 00-3797	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,555.16	331.36
40 05 19 00-3798	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,745.44	375.01
40 05 19 00-3799	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,973.38	390.04
40 05 19 00-3800	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,034.93	403.93
40 05 19 00-3801	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,310.85	462.04
40 05 19 00-3802	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,439.11	493.22
40 05 19 00-3803	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,464.44	343.27
40 05 19 00-3804	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,754.25	356.87

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,970.67		400.53
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,842.86		415.54
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,027.25		429.44
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,223.75		487.55
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,946.02		518.73
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,290.02		554.30
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,857.22		414.13
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	14,920.95		427.74
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,251.07		471.38
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,273.83		486.41
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,294.87		500.30
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,382.92		558.41
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,865.33		589.59
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,621.99		668.96
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,293.37		702.97
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,341.62		592.71
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,533.05		603.47
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,622.98		634.38
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,773.44		646.57
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,834.62		657.62
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,983.15		698.72
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	22,071.83		727.07
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	22,335.83		786.59
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	22,778.19		816.36
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,492.11		936.82
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	32,529.59		571.44
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	32,599.00		585.34
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	32,778.50		643.45
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	32,872.81		674.63
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	33,179.93		753.99
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	33,606.52		788.00
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,098.35		958.08
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	53,789.67		1,047.37
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,723.40		663.57
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,744.44		677.46
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,971.01		735.57
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	44,018.25		766.75
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	44,325.38		846.12
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	44,706.22		880.13
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	45,618.62		1,050.21
40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-2059)					
40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	994.71		150.23
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,413.02		184.82
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,113.43		206.35
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	3,175.40		268.15
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,300.90		292.52
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,851.89		314.63
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,943.47		396.84
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,191.10		453.53
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,459.76		572.58
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	13,674.21		632.11
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	22,700.73		873.05
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	32,395.74		1,000.60
40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-2059)					
40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	805.23		150.23
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,183.02		184.82
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,769.74		206.35
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,333.82		268.15
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,561.25		292.52
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,790.47		314.63
40 05 19 00-3865 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-2059)					
40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,030.95		206.93
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,470.10		224.22
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,522.25		250.01
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,916.08		227.90
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,040.00		257.95
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,080.97		277.22
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,532.92		246.04
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,731.35		276.08
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,951.35		295.36
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,548.80		364.53
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,331.18		255.40
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,452.50		285.44
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,672.50		304.72
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,309.17		373.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3880	EA	12" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,029.50	394.57
40 05 19 00-3881	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,171.93	293.66
40 05 19 00-3882	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,391.93	312.94
40 05 19 00-3883	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,760.70	382.10
40 05 19 00-3884	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,137.05	402.79
40 05 19 00-3885	EA	14" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,354.85	422.35
40 05 19 00-3886	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,988.59	317.76
40 05 19 00-3887	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,245.19	337.03
40 05 19 00-3888	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,615.26	406.19
40 05 19 00-3889	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,028.20	426.89
40 05 19 00-3890	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,304.22	446.45
40 05 19 00-3891	EA	16" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,654.79	538.57
40 05 19 00-3892	EA	18" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,240.26	343.27
40 05 19 00-3893	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,496.84	362.54
40 05 19 00-3894	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,791.13	431.71
40 05 19 00-3895	EA	18" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,204.07	452.40
40 05 19 00-3896	EA	18" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,068.75	471.96
40 05 19 00-3897	EA	18" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,552.01	564.07
40 05 19 00-3898	EA	18" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,833.92	600.93
40 05 19 00-3899	EA	20" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,757.47	382.95
40 05 19 00-3900	EA	20" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,032.35	402.23
40 05 19 00-3901	EA	20" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,300.50	471.38
40 05 19 00-3902	EA	20" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,740.88	492.08
40 05 19 00-3903	EA	20" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,854.15	511.64
40 05 19 00-3904	EA	20" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,385.47	603.76
40 05 19 00-3905	EA	20" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,685.67	640.61
40 05 19 00-3906	EA	20" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,439.73	759.66
40 05 19 00-3907	EA	24" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,954.96	408.46
40 05 19 00-3908	EA	24" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,150.12	427.74
40 05 19 00-3909	EA	24" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,539.80	496.90
40 05 19 00-3910	EA	24" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,816.83	517.59
40 05 19 00-3911	EA	24" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,969.30	537.15
40 05 19 00-3912	EA	24" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,395.08	629.27
40 05 19 00-3913	EA	24" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,358.54	666.12
40 05 19 00-3914	EA	24" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	14,003.13	741.38
40 05 19 00-3915	EA	24" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,279.96	827.69
40 05 19 00-3916	EA	30" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,085.76	588.46
40 05 19 00-3917	EA	30" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,158.52	608.02
40 05 19 00-3918	EA	30" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,603.90	700.14
40 05 19 00-3919	EA	30" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,749.90	736.99
40 05 19 00-3920	EA	30" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,411.18	856.04
40 05 19 00-3921	EA	30" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,519.85	898.56
40 05 19 00-3922	EA	30" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	25,163.79	1,167.84
40 05 19 00-3923	EA	36" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,539.63	748.60
40 05 19 00-3924	EA	36" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,564.97	765.33
40 05 19 00-3925	EA	36" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,945.37	840.45
40 05 19 00-3926	EA	36" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	23,083.16	874.46
40 05 19 00-3927	EA	36" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	23,628.13	973.67
40 05 19 00-3928	EA	36" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	24,387.87	1,011.94
40 05 19 00-3929	EA	36" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,570.66	1,231.62
40 05 19 00-3930	EA	36" x 36"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	35,552.92	1,346.42
40 05 19 00-3931	EA	42" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,645.34	785.18
40 05 19 00-3932	EA	42" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,749.53	822.02
40 05 19 00-3933	EA	42" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	34,376.84	941.08
40 05 19 00-3934	EA	42" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	35,186.14	983.59
40 05 19 00-3935	EA	42" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,319.34	1,252.88
40 05 19 00-3936	EA	42" x 42"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	61,751.94	1,393.19
40 05 19 00-3937	EA	48" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,829.38	1,033.20
40 05 19 00-3938	EA	48" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,638.68	1,075.72
40 05 19 00-3939	EA	48" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	48,387.46	1,345.01
40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers <small>(40 05 19 00-2059)</small>					
40 05 19 00-3941	EA	6" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	745.63	106.58
40 05 19 00-3942	EA	8" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	999.41	114.51
40 05 19 00-3943	EA	8" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,060.99	127.56
40 05 19 00-3944	EA	10" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,337.91	132.65
40 05 19 00-3945	EA	10" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,328.93	145.69
40 05 19 00-3946	EA	10" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,495.15	153.64
40 05 19 00-3947	EA	12" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,714.50	142.30
40 05 19 00-3948	EA	12" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,738.18	155.34
40 05 19 00-3949	EA	12" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,861.28	163.27
40 05 19 00-3950	EA	12" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,022.05	181.41
40 05 19 00-3951	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,112.18	163.27
40 05 19 00-3952	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,277.11	171.20
40 05 19 00-3953	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,435.27	189.35
40 05 19 00-3954	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,361.01	198.98
40 05 19 00-3955	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,510.68	187.37
40 05 19 00-3956	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,389.40	195.30
40 05 19 00-3957	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,580.24	213.44
40 05 19 00-3958	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,892.36	222.79
40 05 19 00-3959	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,258.97	231.01
40 05 19 00-3960	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,039.65	220.81
40 05 19 00-3961	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,257.93	238.96

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3962	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,223.74	248.30
40 05 19 00-3963	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,625.62	256.52
40 05 19 00-3964	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,582.42	280.62
40 05 19 00-3965	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,706.13	260.49
40 05 19 00-3966	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,937.47	278.63
40 05 19 00-3967	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,839.26	287.99
40 05 19 00-3968	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,333.92	296.21
40 05 19 00-3969	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,065.94	320.31
40 05 19 00-3970	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,861.23	345.81
40 05 19 00-3971	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,387.47	304.15
40 05 19 00-3972	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,826.36	313.50
40 05 19 00-3973	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,948.58	321.72
40 05 19 00-3974	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,305.54	345.81
40 05 19 00-3975	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,238.04	371.32
40 05 19 00-3976	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,558.52	367.22
40 05 19 00-3977	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,937.35	416.68
40 05 19 00-3978	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,241.29	442.19
40 05 19 00-3979	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,828.06	481.88
40 05 19 00-3980	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,742.27	507.39
40 05 19 00-3981	EA		36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,696.19	454.94
40 05 19 00-3982	EA		36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,873.37	480.46
40 05 19 00-3983	EA		36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,667.92	520.14
40 05 19 00-3984	EA		36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,382.19	545.65
40 05 19 00-3985	EA		36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,334.76	616.52
40 05 19 00-3986	EA		42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,975.59	592.43
40 05 19 00-3987	EA		42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,329.34	663.29
40 05 19 00-3988	EA		42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,053.19	701.56
40 05 19 00-3989	EA		48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,484.51	684.55
40 05 19 00-3990	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,047.65	755.41
40 05 19 00-3991	EA		48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	31,146.56	793.68
40 05 19 00-3992	EA		48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,680.44	840.45

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2059)

40 05 19 00-3994	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	799.21	106.58
40 05 19 00-3995	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,060.83	114.51
40 05 19 00-3996	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,155.07	127.56
40 05 19 00-3997	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,337.91	132.65
40 05 19 00-3998	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,394.27	145.69
40 05 19 00-3999	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,557.88	153.64
40 05 19 00-4000	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,714.50	142.30
40 05 19 00-4001	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,811.36	155.34
40 05 19 00-4002	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,937.07	163.27
40 05 19 00-4003	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,154.04	181.41
40 05 19 00-4004	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,112.18	163.27
40 05 19 00-4005	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,237.91	171.20
40 05 19 00-4006	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,416.97	189.35
40 05 19 00-4007	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,698.16	198.98
40 05 19 00-4008	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,510.68	187.37
40 05 19 00-4009	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,672.98	195.30
40 05 19 00-4010	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,892.57	213.44
40 05 19 00-4011	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,134.12	222.79
40 05 19 00-4012	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,258.97	231.01
40 05 19 00-4013	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,039.65	220.81
40 05 19 00-4014	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,257.93	238.96
40 05 19 00-4015	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,498.17	248.30
40 05 19 00-4016	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,625.62	256.52
40 05 19 00-4017	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,889.52	280.62
40 05 19 00-4018	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,909.99	260.49
40 05 19 00-4019	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,081.22	278.63
40 05 19 00-4020	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,239.14	287.99
40 05 19 00-4021	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,333.92	296.21
40 05 19 00-4022	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,655.31	320.31
40 05 19 00-4023	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,857.31	345.81
40 05 19 00-4024	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,540.31	286.00
40 05 19 00-4025	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,481.56	304.15
40 05 19 00-4026	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,578.06	313.50
40 05 19 00-4027	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,671.54	321.72
40 05 19 00-4028	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,994.22	345.81
40 05 19 00-4029	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,238.04	371.32
40 05 19 00-4030	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,558.52	367.22
40 05 19 00-4031	EA		30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,066.22	392.58
40 05 19 00-4032	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,299.04	416.68
40 05 19 00-4033	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,284.42	442.19
40 05 19 00-4034	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,828.06	481.88
40 05 19 00-4035	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,742.27	507.39
40 05 19 00-4036	EA		36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,933.02	454.94
40 05 19 00-4037	EA		36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,423.83	480.46
40 05 19 00-4038	EA		36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,141.28	520.14
40 05 19 00-4039	EA		36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,336.45	545.65
40 05 19 00-4040	EA		36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,566.06	616.52
40 05 19 00-4041	EA		42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	19,975.59	592.43
40 05 19 00-4042	EA		42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	22,329.34	663.29
40 05 19 00-4043	EA		42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,053.19	701.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-4044	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,047.65	755.41
40 05 19 00-4045	EA		48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	31,146.56	793.68
40 05 19 00-4046	EA		48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	34,680.44	840.45

40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-2059)

40 05 19 00-4048	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	373.38	36.85
40 05 19 00-4049	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	568.59	54.43
40 05 19 00-4050	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	761.77	64.63
40 05 19 00-4051	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,113.95	75.40
40 05 19 00-4052	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,480.00	88.44
40 05 19 00-4053	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,046.48	99.21
40 05 19 00-4054	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,474.37	113.38
40 05 19 00-4055	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,328.48	158.74
40 05 19 00-4056	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,473.25	198.42
40 05 19 00-4057	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	6,573.67	240.93
40 05 19 00-4058	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	9,550.57	280.62
40 05 19 00-4059	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	17,979.25	308.96
40 05 19 00-4060	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	25,812.40	340.14
40 05 19 00-4061	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	34,433.76	382.67

40 05 19 00-4062 Ductile Iron Bolt Packs (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4063	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	38.62	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	10.81	
			<i>For Hot Dip Galvanized, Add</i>	15.45	
40 05 19 00-4064	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	59.59	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	16.69	
			<i>For Hot Dip Galvanized, Add</i>	23.84	
40 05 19 00-4065	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	64.71	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	18.12	
			<i>For Hot Dip Galvanized, Add</i>	25.88	
40 05 19 00-4066	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	145.35	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	40.70	
			<i>For Hot Dip Galvanized, Add</i>	58.14	
40 05 19 00-4067	EA		12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	146.63	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	41.06	
			<i>For Hot Dip Galvanized, Add</i>	58.65	
40 05 19 00-4068	EA		14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	164.28	
			Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	46.00	
			<i>For Hot Dip Galvanized, Add</i>	65.71	
40 05 19 00-4069	EA		16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	276.17	
			Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	77.33	
			<i>For Hot Dip Galvanized, Add</i>	110.47	
40 05 19 00-4070	EA		18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	401.20	
			Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	112.34	
			<i>For Hot Dip Galvanized, Add</i>	160.48	
40 05 19 00-4071	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	506.57	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	141.84	
			<i>For Hot Dip Galvanized, Add</i>	202.63	
40 05 19 00-4072	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	724.81	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	202.95	
			<i>For Hot Dip Galvanized, Add</i>	289.92	
40 05 19 00-4073	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,145.31	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	320.69	
			<i>For Hot Dip Galvanized, Add</i>	458.12	
40 05 19 00-4074	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,633.81	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	457.47	
			<i>For Hot Dip Galvanized, Add</i>	653.52	
40 05 19 00-4075	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,101.85	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	588.52	
			<i>For Hot Dip Galvanized, Add</i>	840.74	
40 05 19 00-4076	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,568.93	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	719.30	
			<i>For Hot Dip Galvanized, Add</i>	1,027.57	

40 05 19 00-4077 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4078 Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-4077)

40 05 19 00-4079	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	6.52	
40 05 19 00-4080	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-4081	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.26	
40 05 19 00-4082	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.04	
40 05 19 00-4083	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	14.22	
40 05 19 00-4084	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	23.70	
40 05 19 00-4085	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.03	
40 05 19 00-4086	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	30.81	
40 05 19 00-4087	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	47.40	
40 05 19 00-4088	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	50.96	
40 05 19 00-4089	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	65.77	
40 05 19 00-4090	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	75.25	
40 05 19 00-4091	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	80.58	
40 05 19 00-4092	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	88.28	

40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4077)

Note: (Acrylonitrile Butadiene)

40 05 19 00-4094	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	20.14	
40 05 19 00-4095	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	28.44	
40 05 19 00-4096	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	43.84	
40 05 19 00-4097	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	47.99	
40 05 19 00-4098	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	51.55	
40 05 19 00-4099	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	97.17	
40 05 19 00-4100	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	119.68	
40 05 19 00-4101	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	120.28	
40 05 19 00-4102	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	125.02	
40 05 19 00-4103	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	132.13	
40 05 19 00-4104	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	146.35	
40 05 19 00-4105	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	161.16	
40 05 19 00-4106	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	229.30	
40 05 19 00-4107	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	250.63	

40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4077)

Note: (40 05 19 00-4077)

40 05 19 00-4109	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	17.78	
40 05 19 00-4110	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	23.11	
40 05 19 00-4111	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	31.40	
40 05 19 00-4112	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	36.74	
40 05 19 00-4113	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	40.88	
40 05 19 00-4114	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	67.54	
40 05 19 00-4115	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	81.17	
40 05 19 00-4116	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	81.76	
40 05 19 00-4117	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	83.54	
40 05 19 00-4118	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	97.17	
40 05 19 00-4119	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	119.09	
40 05 19 00-4120	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	135.68	
40 05 19 00-4121	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	194.34	
40 05 19 00-4122	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	214.48	

40 05 19 00-4123 Full Face Flange Neoprene Gaskets (40 05 19 00-4077)

Note: (Polychloroprene)

40 05 19 00-4124	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	20.74	
40 05 19 00-4125	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	29.03	
40 05 19 00-4126	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	44.44	
40 05 19 00-4127	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	47.99	
40 05 19 00-4128	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	51.55	
40 05 19 00-4129	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	68.73	
40 05 19 00-4130	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	120.87	
40 05 19 00-4131	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	121.46	
40 05 19 00-4132	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	128.57	
40 05 19 00-4133	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	130.35	
40 05 19 00-4134	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	141.61	
40 05 19 00-4135	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	159.38	
40 05 19 00-4136	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	231.08	
40 05 19 00-4137	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	253.00	

40 05 19 00-4138 Full Face Flange FKM Gaskets (40 05 19 00-4077)

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139	EA	4" Full Face Flange FKM Gasket, 1/8" Thick.....	61.07	
40 05 19 00-4140	EA	6" Full Face Flange FKM Gasket, 1/8" Thick.....	90.93	
40 05 19 00-4141	EA	8" Full Face Flange FKM Gasket, 1/8" Thick.....	121.46	
40 05 19 00-4142	EA	10" Full Face Flange FKM Gasket, 1/8" Thick.....	146.57	
40 05 19 00-4143	EA	12" Full Face Flange FKM Gasket, 1/8" Thick.....	190.67	
40 05 19 00-4144	EA	14" Full Face Flange FKM Gasket, 1/8" Thick.....	348.77	
40 05 19 00-4145	EA	16" Full Face Flange FKM Gasket, 1/8" Thick.....	399.67	
40 05 19 00-4146	EA	18" Full Face Flange FKM Gasket, 1/8" Thick.....	418.67	
40 05 19 00-4147	EA	20" Full Face Flange FKM Gasket, 1/8" Thick.....	446.49	
40 05 19 00-4148	EA	24" Full Face Flange FKM Gasket, 1/8" Thick.....	617.48	
40 05 19 00-4149	EA	30" Full Face Flange FKM Gasket, 1/8" Thick.....	740.30	
40 05 19 00-4150	EA	36" Full Face Flange FKM Gasket, 1/8" Thick.....	781.01	
40 05 19 00-4151	EA	42" Full Face Flange FKM Gasket, 1/8" Thick.....	973.72	
40 05 19 00-4152	EA	48" Full Face Flange FKM Gasket, 1/8" Thick.....	1,020.54	

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

40 05 19 00-4153	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) <small>(40 05 19)</small>			
40 05 19 00-4154	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	312.77	55.68
40 05 19 00-4155	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	435.38	67.98
40 05 19 00-4156	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	647.24	82.91
40 05 19 00-4157	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	890.89	101.14
40 05 19 00-4158	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,131.81	123.34
40 05 19 00-4159	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,825.78	150.47
40 05 19 00-4160	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,879.58	183.64
40 05 19 00-4161	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,967.86	223.98
40 05 19 00-4162	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,636.33	273.31
40 05 19 00-4163	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,047.07	333.37
40 05 19 00-4164	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,219.41	406.79
40 05 19 00-4165	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	7,776.24	496.22
40 05 19 00-4166	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	20,379.62	605.44
40 05 19 00-4167	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,036.72	738.60

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.				
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	24.42	6.56
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			2.92	
<i>For Work In Restricted Working Space, Add</i>			3.95	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	27.44	7.52
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			3.06	
<i>For Work In Restricted Working Space, Add</i>			4.70	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	31.97	8.48
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			3.59	
<i>For Work In Restricted Working Space, Add</i>			5.45	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	37.00	10.25
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			4.53	
<i>For Work In Restricted Working Space, Add</i>			5.87	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	40.94	10.54
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			5.19	
<i>For Work In Restricted Working Space, Add</i>			6.29	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	49.62	13.94
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			6.33	
<i>For Work In Restricted Working Space, Add</i>			7.59	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	73.17	17.18
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			10.88	
<i>For Work In Restricted Working Space, Add</i>			9.40	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	92.82	19.90
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Type 316, Add</i>			14.17	
<i>For Work In Restricted Working Space, Add</i>			11.50	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	127.09	19.90
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
<i>For Work In Restricted Working Space, Add</i>			14.58	

40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)

40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)

40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	6.32	2.16
<i>For Work In Restricted Working Space, Add</i>			1.29	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	7.26	2.56
<i>For Work In Restricted Working Space, Add</i>			1.54	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	8.72	3.04
<i>For Work In Restricted Working Space, Add</i>			1.81	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	15.11	3.45
<i>For Work In Restricted Working Space, Add</i>			2.06	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	18.04	3.84
<i>For Work In Restricted Working Space, Add</i>			2.32	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	19.96	4.33
<i>For Work In Restricted Working Space, Add</i>			2.58	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	22.08	5.20
<i>For Work In Restricted Working Space, Add</i>			3.10	

40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)

40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	11.13	2.56
<i>For Work In Restricted Working Space, Add</i>			1.54	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	12.33	3.04
<i>For Work In Restricted Working Space, Add</i>			1.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0024	LF		1/2", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.93 2.06	3.45
40 05 23 23-0025	LF		5/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.92 2.58	4.33
40 05 23 23-0026	LF		3/4", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.50 3.10	5.20
40 05 23 23-0027	LF		7/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	24.02 3.61	6.00
40 05 23 23-0028	LF		1", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	27.78 4.10	6.80
40 05 23 23-0029			0.065" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030	LF		1/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	13.00 1.81	3.04
40 05 23 23-0031	LF		3/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.98 2.06	3.45
40 05 23 23-0032	LF		1/2", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.43 2.58	4.33
40 05 23 23-0033	LF		5/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	21.59 3.10	5.20
40 05 23 23-0034	LF		3/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	25.51 3.61	6.00
40 05 23 23-0035	LF		7/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	29.35 4.10	6.80
40 05 23 23-0036	LF		1", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	33.09 4.62	7.68
40 05 23 23-0037			Type 304 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0038			90 Degree Elbows <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039	EA		1/4", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	42.69 5.17	8.65
40 05 23 23-0040	EA		3/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	50.95 5.65	9.45
40 05 23 23-0041	EA		1/2", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	78.92 6.40	10.65
40 05 23 23-0042	EA		5/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	83.97 7.17	11.92
40 05 23 23-0043	EA		3/4", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	94.19 7.75	12.89
40 05 23 23-0044	EA		7/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	130.74 8.58	14.33
40 05 23 23-0045	EA		1", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	167.22 10.22	17.05
40 05 23 23-0046			Union Tees <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA		1/4", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	68.17 7.75	12.89
40 05 23 23-0048	EA		3/8", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	83.54 8.58	14.33
40 05 23 23-0049	EA		1/2", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	116.32 9.61	16.01
40 05 23 23-0050	EA		5/8", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	124.56 10.92	18.17
40 05 23 23-0051	EA		3/4", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	161.40 11.72	19.53
40 05 23 23-0052	EA		7/8", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	262.23 12.98	21.62
40 05 23 23-0053	EA		1", Type 304, Stainless Steel, Union Tee..... <i>For Work In Restricted Working Space, Add</i>	314.35 15.50	25.86
40 05 23 23-0054			Unions <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA		1/4", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	64.80 7.75	12.89
40 05 23 23-0056	EA		3/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	85.44 8.58	14.33
40 05 23 23-0057	EA		1/2", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	117.57 9.61	16.01
40 05 23 23-0058	EA		5/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	144.13 10.92	18.17
40 05 23 23-0059	EA		3/4", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	173.31 11.72	19.53
40 05 23 23-0060	EA		7/8", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	271.74 12.98	21.62
40 05 23 23-0061	EA		1", Type 304, Stainless Steel, Union..... <i>For Work In Restricted Working Space, Add</i>	287.42 15.50	25.86
40 05 23 23-0062			Male Connectors <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	30.62 5.17	8.65
40 05 23 23-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection..... <i>For Work In Restricted Working Space, Add</i>	39.09 5.65	9.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	51.64 6.40	10.65
40 05 23 23-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	58.25 7.17	11.92
40 05 23 23-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	71.34 7.75	12.89
40 05 23 23-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	110.69 8.58	14.33
40 05 23 23-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	114.63 10.22	17.05
40 05 23 23-0070			Type 304 Valves (40 05 23 23-0011)		
40 05 23 23-0071			Gate Valves (40 05 23 23-0070)		
40 05 23 23-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	157.93 6.99	12.89
40 05 23 23-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	267.28 7.36	15.13
40 05 23 23-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	276.81 10.22	17.05
40 05 23 23-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	306.75 11.72	19.53
40 05 23 23-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	280.34 15.50	25.86
40 05 23 23-0077			Globe Valves (40 05 23 23-0070)		
40 05 23 23-0078	EA		1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	160.13 6.99	12.89
40 05 23 23-0079	EA		3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	105.07 7.36	15.13
40 05 23 23-0080	EA		1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	189.56 10.22	17.05
40 05 23 23-0081	EA		3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	210.93 11.72	19.53
40 05 23 23-0082	EA		1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	308.11 15.50	25.86
40 05 23 23-0083			Check Valves (40 05 23 23-0070)		
40 05 23 23-0084	EA		1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	224.95 6.99	12.89
40 05 23 23-0085	EA		3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	226.18 7.36	15.13
40 05 23 23-0086	EA		1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	146.78 10.22	17.05
40 05 23 23-0087	EA		3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	153.40 11.72	19.53
40 05 23 23-0088	EA		1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	169.26 15.50	25.86
40 05 23 23-0089			Plug Valves (40 05 23 23-0070)		
40 05 23 23-0090	EA		1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	348.10 10.22	17.05
40 05 23 23-0091	EA		3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	380.99 11.72	19.53
40 05 23 23-0092	EA		1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	430.81 15.50	25.86
40 05 23 23-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	599.38 17.53	29.22
40 05 23 23-0094	EA		2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	780.20 24.02	40.03
40 05 23 23-0095			Type 316 Tubing (40 05 23 23-0011)		
40 05 23 23-0096			0.035" Wall (40 05 23 23-0095)		
40 05 23 23-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	6.62 1.29	2.16
40 05 23 23-0098	LF		3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	8.76 1.54	2.56
40 05 23 23-0099	LF		1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	9.64 1.81	3.04
40 05 23 23-0100	LF		5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	17.55 2.06	3.45
40 05 23 23-0101	LF		3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	19.93 2.32	3.84
40 05 23 23-0102	LF		7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	25.77 2.58	4.33
40 05 23 23-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	26.58 3.10	5.20
40 05 23 23-0104			0.049" Wall (40 05 23 23-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0105	LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	12.43 1.54	2.56
40 05 23 23-0106	LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	13.69 1.81	3.04
40 05 23 23-0107	LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	16.21 2.06	3.45
40 05 23 23-0108	LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	21.29 2.58	4.33
40 05 23 23-0109	LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	24.44 3.10	5.20
40 05 23 23-0110	LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	31.58 3.61	6.00
40 05 23 23-0111	LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	31.74 4.10	6.80
40 05 23 23-0112	0.065" Wall (40 05 23 23-0095)		
40 05 23 23-0113	LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.55 1.81	3.04
40 05 23 23-0114	LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	16.16 2.06	3.45
40 05 23 23-0115	LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.29 2.58	4.33
40 05 23 23-0116	LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.15 3.10	5.20
40 05 23 23-0117	LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	29.44 3.61	6.00
40 05 23 23-0118	LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	32.27 4.10	6.80
40 05 23 23-0119	LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	37.79 4.62	7.68
40 05 23 23-0120	Type 316 Tube Fittings (40 05 23 23-0011)		
40 05 23 23-0121	90 Degree Elbows (40 05 23 23-0120)		
40 05 23 23-0122	EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	61.07 5.17	8.65
40 05 23 23-0123	EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.13 5.65	9.45
40 05 23 23-0124	EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	120.49 6.40	10.65
40 05 23 23-0125	EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	127.34 7.17	11.92
40 05 23 23-0126	EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	143.56 7.75	12.89
40 05 23 23-0127	EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	204.48 8.58	14.33
40 05 23 23-0128	EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	263.35 10.22	17.05
40 05 23 23-0129	Union Tees (40 05 23 23-0120)		
40 05 23 23-0130	EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	98.75 7.75	12.89
40 05 23 23-0131	EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	123.21 8.58	14.33
40 05 23 23-0132	EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	177.18 9.61	16.01
40 05 23 23-0133	EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	188.21 10.92	18.17
40 05 23 23-0134	EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	249.74 11.72	19.53
40 05 23 23-0135	EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	420.32 12.98	21.62
40 05 23 23-0136	EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	504.01 15.50	25.86
40 05 23 23-0137	Unions (40 05 23 23-0120)		
40 05 23 23-0138	EA 1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	60.14 7.75	12.89
40 05 23 23-0139	EA 3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	78.64 8.58	14.33
40 05 23 23-0140	EA 1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	107.34 9.61	16.01
40 05 23 23-0141	EA 5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	131.25 10.92	18.17
40 05 23 23-0142	EA 3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	157.26 11.72	19.53
40 05 23 23-0143	EA 7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	244.43 12.98	21.62
40 05 23 23-0144	EA 1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	259.24 15.50	25.86
40 05 23 23-0145	Male Connectors (40 05 23 23-0120)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	40.10 5.17	8.65
40 05 23 23-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	53.40 5.65	9.45
40 05 23 23-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	73.06 6.40	10.65
40 05 23 23-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	82.53 7.17	11.92
40 05 23 23-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	103.52 7.75	12.89
40 05 23 23-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	168.73 8.58	14.33
40 05 23 23-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	171.59 10.22	17.05
40 05 23 23-0153			Type 316 Valves (40 05 23 23-0011)		
40 05 23 23-0154			Gate Valves (40 05 23 23-0153)		
40 05 23 23-0155	EA		1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	201.39 6.99	12.89
40 05 23 23-0156	EA		3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	345.65 7.36	15.13
40 05 23 23-0157	EA		1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	355.18 10.22	17.05
40 05 23 23-0158	EA		3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	393.18 11.72	19.53
40 05 23 23-0159	EA		1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	354.18 15.50	25.86
40 05 23 23-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	488.43 16.09	26.82
40 05 23 23-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	787.74 17.53	29.22
40 05 23 23-0162	EA		2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	935.77 24.02	40.03
40 05 23 23-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,374.52 76.87	128.16
40 05 23 23-0164			Globe Valves (40 05 23 23-0153)		
40 05 23 23-0165	EA		1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	204.31 6.99	12.89
40 05 23 23-0166	EA		3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	131.07 7.36	15.13
40 05 23 23-0167	EA		1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	239.77 10.22	17.05
40 05 23 23-0168	EA		3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	266.42 11.72	19.53
40 05 23 23-0169	EA		1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	390.91 15.50	25.86
40 05 23 23-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	489.44 15.97	26.66
40 05 23 23-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	816.91 17.53	29.22
40 05 23 23-0172	EA		2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	964.95 24.02	40.03
40 05 23 23-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,189.76 76.87	128.16
40 05 23 23-0174			Check Valves (40 05 23 23-0153)		
40 05 23 23-0175	EA		1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	290.05 6.99	12.89
40 05 23 23-0176	EA		3/8" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	291.28 7.36	15.13
40 05 23 23-0177	EA		1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	183.17 10.22	17.05
40 05 23 23-0178	EA		3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	190.31 11.72	19.53
40 05 23 23-0179	EA		1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	207.24 15.50	25.86
40 05 23 23-0180	EA		1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	288.76 16.09	26.82
40 05 23 23-0181	EA		1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	651.60 17.53	29.22
40 05 23 23-0182	EA		2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	789.91 24.02	40.03
40 05 23 23-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,552.79 76.87	128.16
40 05 23 23-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 23-0153)		
40 05 23 23-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	310.51 10.22	17.05
40 05 23 23-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	362.82 11.72	19.53

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	462.52 15.50	25.86
40 05 23 23-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	740.06 17.53	29.22
40 05 23 23-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,034.33 24.02	40.03
40 05 23 23-0190			Diaphragm Valves, Teflon Lined (40 05 23 23-0153)		
40 05 23 23-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	412.75 10.22	17.05
40 05 23 23-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	474.53 11.72	19.53
40 05 23 23-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	574.23 15.50	25.86
40 05 23 23-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	897.21 17.53	29.22
40 05 23 23-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,221.77 24.02	40.03
40 05 23 23-0196			Strainers (40 05 23 23-0153)		
40 05 23 23-0197	EA		1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	413.74 10.22	17.05
40 05 23 23-0198	EA		3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	495.34 11.77	19.62
40 05 23 23-0199	EA		1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	648.01 15.61	26.01
40 05 23 23-0200	EA		1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	806.10 16.09	26.82
40 05 23 23-0201	EA		1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,012.96 17.53	29.22
40 05 23 23-0202	EA		2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,461.38 24.02	40.03
40 05 23 23-0203	EA		2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,008.81 31.94	53.24
40 05 23 23-0204	EA		3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,924.72 48.03	80.05
40 05 23 23-0205	EA		4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,736.88 76.84	128.08
40 05 23 23-0206			Plug Valves (40 05 23 23-0153)		
40 05 23 23-0207	EA		1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	441.18 10.22	17.05
40 05 23 23-0208	EA		3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	482.35 11.72	19.53
40 05 23 23-0209	EA		1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	543.20 15.50	25.86
40 05 23 23-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	759.73 17.53	29.22
40 05 23 23-0211	EA		2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	987.74 24.02	40.03
40 05 23 23-0212			Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011) Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe.....	16.00	
40 05 23 23-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe.....	17.28	
40 05 23 23-0215	EA		Cut And Prepare 1" Stainless Steel Pipe.....	19.44	
40 05 23 23-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe.....	20.40	
40 05 23 23-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe.....	21.60	
40 05 23 23-0218	EA		Cut And Prepare 2" Stainless Steel Pipe.....	23.20	
40 05 23 23-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe.....	24.81	
40 05 23 23-0220	EA		Cut And Prepare 3" Stainless Steel Pipe.....	27.20	
40 05 23 23-0221	EA		Cut And Prepare 4" Stainless Steel Pipe.....	29.60	
40 05 23 23-0222	EA		Cut And Prepare 6" Stainless Steel Pipe.....	32.00	
40 05 23 23-0223	EA		Cut And Prepare 8" Stainless Steel Pipe.....	34.40	
40 05 23 23-0224	EA		Cut And Prepare 10" Stainless Steel Pipe.....	37.60	
40 05 23 23-0225	EA		Cut And Prepare 12" Stainless Steel Pipe.....	40.80	
40 05 23 23-0226	EA		Cut And Prepare 14" Stainless Steel Pipe.....	44.01	
40 05 23 23-0227	EA		Cut And Prepare 16" Stainless Steel Pipe.....	47.20	
40 05 23 23-0228	EA		Cut And Prepare 18" Stainless Steel Pipe.....	49.60	
40 05 23 23-0229	EA		Cut And Prepare 20" Stainless Steel Pipe.....	52.00	
40 05 23 23-0230	EA		Cut And Prepare 24" Stainless Steel Pipe.....	55.21	
40 05 23 23-0231			Stainless Steel Pipe And Fittings (40 05 23 23)		
40 05 23 23-0232			Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0233			Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)		
40 05 23 23-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	12.40 2.06	3.45
40 05 23 23-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	15.26 2.58	4.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	18.78 3.10	5.20
40 05 23 23-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	22.59 3.61	6.00
40 05 23 23-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	26.16 4.10	6.80
40 05 23 23-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	33.46 5.17	8.65
40 05 23 23-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	45.60 6.16	10.25
40 05 23 23-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	57.30 7.75	12.89
40 05 23 23-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	77.66 10.22	17.05
40 05 23 23-0243			150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0244	EA		1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.25 7.75	12.89
40 05 23 23-0245	EA		3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	37.55 10.22	17.05
40 05 23 23-0246	EA		1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.34 12.98	21.62
40 05 23 23-0247	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	67.96 17.79	29.62
40 05 23 23-0248	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.14 20.88	34.82
40 05 23 23-0249	EA		2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	98.90 25.28	42.11
40 05 23 23-0250	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.75 40.03	66.68
40 05 23 23-0251	EA		3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	214.60 51.65	86.05
40 05 23 23-0252	EA		4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	296.32 64.04	106.71
40 05 23 23-0253			150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0254	EA		1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.82 7.75	12.89
40 05 23 23-0255	EA		3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	38.45 10.22	17.05
40 05 23 23-0256	EA		1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.62 12.98	21.62
40 05 23 23-0257	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	67.85 17.79	29.62
40 05 23 23-0258	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	79.80 20.88	34.82
40 05 23 23-0259	EA		2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	98.58 25.28	42.11
40 05 23 23-0260	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	172.82 40.03	66.68
40 05 23 23-0261	EA		3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	226.45 51.65	86.05
40 05 23 23-0262	EA		4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	310.11 64.04	106.71
40 05 23 23-0263			150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)		
40 05 23 23-0264	EA		1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	42.36 11.72	19.53
40 05 23 23-0265	EA		3/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	56.89 15.50	25.86
40 05 23 23-0266	EA		1", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	70.72 19.21	32.03
40 05 23 23-0267	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	102.22 26.68	44.51
40 05 23 23-0268	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	116.58 30.02	50.03
40 05 23 23-0269	EA		2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	154.62 40.03	66.68
40 05 23 23-0270	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	238.36 57.87	96.46
40 05 23 23-0271	EA		3", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	323.75 77.47	129.12
40 05 23 23-0272	EA		4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	438.54 96.06	160.11
40 05 23 23-0273			150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)		
40 05 23 23-0274	EA		3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	37.13 10.22	17.05
40 05 23 23-0275	EA		1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	47.45 12.98	21.62
40 05 23 23-0276	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	65.42 17.79	29.62

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	78.41 20.88	34.82
40 05 23 23-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	98.96 25.28	42.11
40 05 23 23-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	164.95 40.03	66.68
40 05 23 23-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	217.05 51.65	86.05
40 05 23 23-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	287.85 64.04	106.71
40 05 23 23-0282			150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)		
40 05 23 23-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	14.54 3.88	6.49
40 05 23 23-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	19.25 5.17	8.65
40 05 23 23-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	24.38 6.40	10.65
40 05 23 23-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	35.72 9.06	15.13
40 05 23 23-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	41.29 10.22	17.05
40 05 23 23-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	52.48 12.98	21.62
40 05 23 23-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	80.66 19.21	32.03
40 05 23 23-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	107.23 25.28	42.11
40 05 23 23-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	145.61 32.02	53.40
40 05 23 23-0292			150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)		
40 05 23 23-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	45.88 11.72	19.53
40 05 23 23-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	60.31 15.50	25.86
40 05 23 23-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	77.11 19.21	32.03
40 05 23 23-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	111.63 26.68	44.51
40 05 23 23-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	125.70 30.02	50.03
40 05 23 23-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	164.13 40.03	66.68
40 05 23 23-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	283.29 60.04	100.07
40 05 23 23-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	362.97 77.48	129.12
40 05 23 23-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	383.49 64.05	106.75
40 05 23 23-0302			150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)		
40 05 23 23-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	28.02 7.75	12.89
40 05 23 23-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	37.24 10.22	17.05
40 05 23 23-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	48.09 12.98	21.62
40 05 23 23-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	66.96 17.79	29.62
40 05 23 23-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	78.71 20.88	34.82
40 05 23 23-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	97.09 25.28	42.11
40 05 23 23-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	161.57 40.03	66.68
40 05 23 23-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	208.53 51.65	86.05
40 05 23 23-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	270.01 64.04	106.71
40 05 23 23-0312			Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0313			Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)		
40 05 23 23-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	15.33 2.06	3.45
40 05 23 23-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	18.14 2.58	4.33
40 05 23 23-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	22.92 3.10	5.20
40 05 23 23-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	28.01 3.61	6.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	32.58 4.10	6.80
40 05 23 23-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	42.05 5.17	8.65
40 05 23 23-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	57.61 6.16	10.25
40 05 23 23-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	75.22 7.75	12.89
40 05 23 23-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	100.97 10.22	17.05
40 05 23 23-0323			150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.99 7.75	12.89
40 05 23 23-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	38.64 10.22	17.05
40 05 23 23-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.01 12.98	21.62
40 05 23 23-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.16 17.79	29.62
40 05 23 23-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	82.75 20.88	34.82
40 05 23 23-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	100.88 25.28	42.11
40 05 23 23-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	169.91 40.03	66.68
40 05 23 23-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	222.36 51.65	86.05
40 05 23 23-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	305.74 64.04	106.71
40 05 23 23-0333			150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	29.58 7.75	12.89
40 05 23 23-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	39.02 10.22	17.05
40 05 23 23-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	49.45 12.98	21.62
40 05 23 23-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	69.04 17.79	29.62
40 05 23 23-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.19 20.88	34.82
40 05 23 23-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	100.44 25.28	42.11
40 05 23 23-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	175.80 40.03	66.68
40 05 23 23-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	233.31 51.65	86.05
40 05 23 23-0342	EA		4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	328.63 64.04	106.71
40 05 23 23-0343			150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)		
40 05 23 23-0344	EA		1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	43.14 11.72	19.53
40 05 23 23-0345	EA		3/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	57.69 15.50	25.86
40 05 23 23-0346	EA		1", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	71.61 19.21	32.03
40 05 23 23-0347	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	104.03 26.68	44.51
40 05 23 23-0348	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	118.37 30.02	50.03
40 05 23 23-0349	EA		2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	156.98 40.03	66.68
40 05 23 23-0350	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	247.98 57.87	96.46
40 05 23 23-0351	EA		3", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	336.88 77.47	129.12
40 05 23 23-0352	EA		4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	448.32 96.06	160.11
40 05 23 23-0353			150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)		
40 05 23 23-0354	EA		3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	37.80 10.22	17.05
40 05 23 23-0355	EA		1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	49.43 12.98	21.62
40 05 23 23-0356	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	65.79 17.79	29.62
40 05 23 23-0357	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	80.36 20.88	34.82
40 05 23 23-0358	EA		2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	102.37 25.28	42.11

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0359	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	172.72 40.03	66.68
40 05 23 23-0360	EA 3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	225.63 51.65	86.05
40 05 23 23-0361	EA 4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	302.15 64.04	106.71
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)			
40 05 23 23-0363	EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	14.98 3.88	6.49
40 05 23 23-0364	EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	19.58 5.17	8.65
40 05 23 23-0365	EA 1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	24.96 6.40	10.65
40 05 23 23-0366	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	37.32 9.06	15.13
40 05 23 23-0367	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	43.20 10.22	17.05
40 05 23 23-0368	EA 2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	54.96 12.98	21.62
40 05 23 23-0369	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	84.76 19.21	32.03
40 05 23 23-0370	EA 3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	111.39 25.28	42.11
40 05 23 23-0371	EA 4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	153.87 32.02	53.40
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)			
40 05 23 23-0373	EA 1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	46.82 11.72	19.53
40 05 23 23-0374	EA 3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	63.85 15.50	25.86
40 05 23 23-0375	EA 1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	78.91 19.21	32.03
40 05 23 23-0376	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	114.67 26.68	44.51
40 05 23 23-0377	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	129.26 30.02	50.03
40 05 23 23-0378	EA 2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	168.24 40.03	66.68
40 05 23 23-0379	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	289.61 60.04	100.07
40 05 23 23-0380	EA 3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	382.66 77.48	129.12
40 05 23 23-0381	EA 4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	425.46 64.05	106.75
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)			
40 05 23 23-0383	EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	29.50 7.75	12.89
40 05 23 23-0384	EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	37.92 10.22	17.05
40 05 23 23-0385	EA 1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	48.75 12.98	21.62
40 05 23 23-0386	EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	68.01 17.79	29.62
40 05 23 23-0387	EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	79.95 20.88	34.82
40 05 23 23-0388	EA 2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	98.82 25.28	42.11
40 05 23 23-0389	EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	167.62 40.03	66.68
40 05 23 23-0390	EA 3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	216.34 51.65	86.05
40 05 23 23-0391	EA 4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	281.71 64.04	106.71
40 05 23 23-0392	Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0393	Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)		
40 05 23 23-0394	LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	13.92 2.03	3.37
40 05 23 23-0395	LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	16.55 2.48	4.12
40 05 23 23-0396	LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	22.02 2.90	4.88
40 05 23 23-0397	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	26.86 3.63	6.08
40 05 23 23-0398	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.87 4.09	6.83
40 05 23 23-0399	LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.94 5.07	8.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0400	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	44.24 5.79	9.68
40 05 23 23-0401	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	52.29 6.82	10.88
40 05 23 23-0402	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.82 7.72	12.91
40 05 23 23-0403	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	96.37 10.14	16.95
40 05 23 23-0404	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	163.45 20.30	31.59
40 05 23 23-0405	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	209.33 22.33	34.73
40 05 23 23-0406	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	250.84 24.81	38.62
40 05 23 23-0407	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	309.01 27.91	43.41
40 05 23 23-0408	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	340.06 31.90	49.62
40 05 23 23-0409	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	380.78 37.21	57.88
40 05 23 23-0410	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	529.74 44.65	69.45
40 05 23 23-0411	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	691.22 55.82	86.82
40 05 23 23-0412			Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413	EA		1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	88.51 25.66	38.49
40 05 23 23-0414	EA		3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	93.77 27.23	40.85
40 05 23 23-0415	EA		1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	103.29 29.93	44.90
40 05 23 23-0416	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	112.70 32.62	48.93
40 05 23 23-0417	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	124.48 36.02	54.03
40 05 23 23-0418	EA		2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	139.05 40.08	60.12
40 05 23 23-0419	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	180.30 51.29	76.94
40 05 23 23-0420	EA		3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	211.48 60.12	90.18
40 05 23 23-0421	EA		4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	257.97 71.95	107.93
40 05 23 23-0422	EA		6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	348.19 89.88	134.83
40 05 23 23-0423	EA		8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	620.72 159.47	239.22
40 05 23 23-0424	EA		10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	899.98 212.63	318.94
40 05 23 23-0425	EA		12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,357.76 318.94	478.41
40 05 23 23-0426	EA		14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,601.94 372.10	558.15
40 05 23 23-0427	EA		16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,872.76 424.45	636.67
40 05 23 23-0428	EA		18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,363.48 531.57	797.36
40 05 23 23-0429	EA		20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,297.29 744.20	1,116.30
40 05 23 23-0430	EA		24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,729.76 1,063.14	1,594.72
40 05 23 23-0431			Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow <small>(40 05 23 23-0392)</small>		
40 05 23 23-0432	EA		1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	89.39 25.66	38.49
40 05 23 23-0433	EA		3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	94.65 27.23	40.85
40 05 23 23-0434	EA		1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	104.35 29.93	44.90
40 05 23 23-0435	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	114.11 32.62	48.93
40 05 23 23-0436	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	124.66 36.02	54.03
40 05 23 23-0437	EA		2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	139.05 40.08	60.12
40 05 23 23-0438	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	179.42 51.29	76.94
40 05 23 23-0439	EA		3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	209.89 60.12	90.18
40 05 23 23-0440	EA		4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	254.98 71.95	107.93
40 05 23 23-0441	EA		6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	332.52 89.88	134.83

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0442	EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	590.51 <i>159.47</i>	239.22
40 05 23 23-0443	EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	846.19 <i>212.63</i>	318.94
40 05 23 23-0444	EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,272.60 <i>318.94</i>	478.41
40 05 23 23-0445	EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,497.41 <i>372.10</i>	558.15
40 05 23 23-0446	EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,743.76 <i>424.45</i>	636.67
40 05 23 23-0447	EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,194.07 <i>531.57</i>	797.36
40 05 23 23-0448	EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,068.69 <i>744.20</i>	1,116.30
40 05 23 23-0449	EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,405.48 <i>1,063.14</i>	1,594.72
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)			
40 05 23 23-0451	EA 1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	118.38 <i>32.61</i>	48.92
40 05 23 23-0452	EA 3/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	143.12 <i>40.03</i>	60.05
40 05 23 23-0453	EA 1", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	159.61 <i>44.98</i>	67.46
40 05 23 23-0454	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	181.72 <i>51.29</i>	76.94
40 05 23 23-0455	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	193.21 <i>55.06</i>	82.58
40 05 23 23-0456	EA 2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	210.55 <i>60.05</i>	90.07
40 05 23 23-0457	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	269.14 <i>71.95</i>	107.93
40 05 23 23-0458	EA 3", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	319.59 <i>90.17</i>	135.26
40 05 23 23-0459	EA 4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	365.85 <i>101.20</i>	151.81
40 05 23 23-0460	EA 6", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	525.65 <i>134.94</i>	202.40
40 05 23 23-0461	EA 8", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	887.63 <i>212.63</i>	318.94
40 05 23 23-0462	EA 10", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,357.76 <i>318.94</i>	478.41
40 05 23 23-0463	EA 12", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,738.17 <i>398.68</i>	598.01
40 05 23 23-0464	EA 14", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,130.59 <i>479.10</i>	718.65
40 05 23 23-0465	EA 16", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,583.62 <i>584.45</i>	876.68
40 05 23 23-0466	EA 18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,287.90 <i>744.20</i>	1,116.30
40 05 23 23-0467	EA 20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,386.12 <i>979.21</i>	1,468.82
40 05 23 23-0468	EA 24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,589.13 <i>1,488.40</i>	2,232.60
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)			
40 05 23 23-0470	EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	108.06 <i>27.24</i>	40.87
40 05 23 23-0471	EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	128.53 <i>33.38</i>	50.08
40 05 23 23-0472	EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	156.53 <i>37.51</i>	56.26
40 05 23 23-0473	EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	164.20 <i>42.77</i>	64.14
40 05 23 23-0474	EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	172.72 <i>45.95</i>	68.92
40 05 23 23-0475	EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	219.91 <i>50.08</i>	75.12
40 05 23 23-0476	EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	259.58 <i>60.03</i>	90.04
40 05 23 23-0477	EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	320.48 <i>75.02</i>	112.54
40 05 23 23-0478	EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	415.64 <i>85.73</i>	128.58
40 05 23 23-0479	EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	786.64 <i>132.89</i>	199.33
40 05 23 23-0480	EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,268.65 <i>177.19</i>	265.79
40 05 23 23-0481	EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,821.15 <i>265.79</i>	398.68
40 05 23 23-0482	EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,207.41 <i>319.31</i>	478.96
40 05 23 23-0483	EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,729.87 <i>389.50</i>	584.25
40 05 23 23-0484	EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,520.58 <i>496.13</i>	744.20

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0485	EA		20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,971.60 652.81	979.21
40 05 23 23-0486	EA		24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,757.09 991.39	1,487.08
40 05 23 23-0487			Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)		
40 05 23 23-0488	EA		3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	88.56 24.77	37.16
40 05 23 23-0489	EA		1", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	97.39 27.00	40.50
40 05 23 23-0490	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	107.96 29.93	44.90
40 05 23 23-0491	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	115.24 32.62	48.93
40 05 23 23-0492	EA		2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	125.89 36.02	54.03
40 05 23 23-0493	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	167.30 45.02	67.53
40 05 23 23-0494	EA		3", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	189.31 51.25	76.87
40 05 23 23-0495	EA		4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	221.32 60.05	90.07
40 05 23 23-0496	EA		6", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	285.10 76.45	114.68
40 05 23 23-0497	EA		8", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	473.88 127.58	191.37
40 05 23 23-0498	EA		10", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	600.96 159.47	239.22
40 05 23 23-0499	EA		12", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	807.03 212.63	318.94
40 05 23 23-0500	EA		14", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,134.64 279.08	418.61
40 05 23 23-0501	EA		16", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,321.31 318.04	477.05
40 05 23 23-0502	EA		18", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,631.35 398.68	598.01
40 05 23 23-0503	EA		20", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,271.51 531.57	797.36
40 05 23 23-0504	EA		24", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,295.86 797.36	1,196.04
40 05 23 23-0505	EA		3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	105.11 24.77	37.16
40 05 23 23-0506	EA		1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	109.54 27.00	40.50
40 05 23 23-0507	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	116.28 29.93	44.90
40 05 23 23-0508	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	130.38 32.62	48.93
40 05 23 23-0509	EA		2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	136.80 36.02	54.03
40 05 23 23-0510	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	179.27 45.02	67.53
40 05 23 23-0511	EA		3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	201.10 51.25	76.87
40 05 23 23-0512	EA		4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	230.44 60.05	90.07
40 05 23 23-0513	EA		6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	318.01 76.45	114.68
40 05 23 23-0514	EA		8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	544.43 127.58	191.37
40 05 23 23-0515	EA		10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	738.58 159.47	239.22
40 05 23 23-0516	EA		12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	934.19 212.63	318.94
40 05 23 23-0517	EA		14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,427.99 279.08	418.61
40 05 23 23-0518	EA		16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,657.44 318.04	477.05
40 05 23 23-0519	EA		18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,041.58 398.68	598.01
40 05 23 23-0520	EA		20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,928.89 531.57	797.36
40 05 23 23-0521	EA		24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,167.09 797.36	1,196.04
40 05 23 23-0522			Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)		
40 05 23 23-0523	EA		1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	48.23 12.83	19.24
40 05 23 23-0524	EA		3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	52.78 13.62	20.42
40 05 23 23-0525	EA		1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	57.99 14.97	22.44
40 05 23 23-0526	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	63.78 16.31	24.47
40 05 23 23-0527	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	68.66 18.01	27.02

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0528	EA	2"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	74.37 20.04	30.06
40 05 23 23-0529	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	96.40 25.65	38.47
40 05 23 23-0530	EA	3"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	109.52 30.06	45.09
40 05 23 23-0531	EA	4"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	131.89 35.98	53.97
40 05 23 23-0532	EA	6"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	169.59 45.02	67.53
40 05 23 23-0533	EA	8"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	300.96 79.74	119.60
40 05 23 23-0534	EA	10"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	400.84 106.31	159.47
40 05 23 23-0535	EA	12"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	592.12 159.47	239.20
40 05 23 23-0536	EA	14"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	694.37 186.05	279.08
40 05 23 23-0537	EA	16"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	803.12 212.23	318.34
40 05 23 23-0538	EA	18"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,013.07 265.79	398.68
40 05 23 23-0539	EA	20"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,401.96 372.10	558.15
40 05 23 23-0540	EA	24"	Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,056.71 531.57	797.36
40 05 23 23-0541			Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542			Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
40 05 23 23-0543	LF	1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	15.68 2.03	3.37
40 05 23 23-0544	LF	3/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	19.04 2.48	4.12
40 05 23 23-0545	LF	1"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.37 2.90	4.88
40 05 23 23-0546	LF	1-1/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.21 3.63	6.01
40 05 23 23-0547	LF	1-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	33.68 4.09	6.75
40 05 23 23-0548	LF	2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.22 5.07	8.63
40 05 23 23-0549	LF	2-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.82 5.79	9.75
40 05 23 23-0550	LF	3"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	52.12 6.52	10.88
40 05 23 23-0551	LF	4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	87.18 7.72	12.75
40 05 23 23-0552	LF	6"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	136.45 10.14	16.88
40 05 23 23-0553	LF	8"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	243.62 20.30	31.42
40 05 23 23-0554	LF	10"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	309.04 22.33	34.73
40 05 23 23-0555	LF	12"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	385.75 24.81	38.45
40 05 23 23-0556			Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)		
40 05 23 23-0557	EA	1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	89.22 25.66	38.49
40 05 23 23-0558	EA	3/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	94.48 27.23	40.85
40 05 23 23-0559	EA	1"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	103.82 29.93	44.90
40 05 23 23-0560	EA	1-1/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	113.08 32.62	48.93
40 05 23 23-0561	EA	1-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	124.83 36.02	54.03
40 05 23 23-0562	EA	2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	140.28 40.08	60.12
40 05 23 23-0563	EA	2-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	184.87 51.29	76.94
40 05 23 23-0564	EA	3"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	218.17 60.12	90.18
40 05 23 23-0565	EA	4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	269.23 71.95	107.93
40 05 23 23-0566	EA	6"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	420.17 89.88	134.83
40 05 23 23-0567	EA	8"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	718.81 159.47	239.22
40 05 23 23-0568	EA	10"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,099.00 212.63	318.94
40 05 23 23-0569	EA	12"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,615.89 318.94	478.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,915.08 372.10	558.15
40 05 23 23-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,275.04 424.45	636.67
40 05 23 23-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,922.43 531.57	797.36
40 05 23 23-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,987.19 744.20	1,116.30
40 05 23 23-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,714.02 1,063.14	1,594.72
40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0571)		
40 05 23 23-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	90.45 25.66	38.49
40 05 23 23-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	95.71 27.23	40.85
40 05 23 23-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	104.70 29.93	44.90
40 05 23 23-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	113.98 32.62	48.93
40 05 23 23-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	125.71 36.02	54.03
40 05 23 23-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	140.47 40.08	60.12
40 05 23 23-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	184.87 51.29	76.94
40 05 23 23-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	213.24 60.12	90.18
40 05 23 23-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	271.87 71.95	107.93
40 05 23 23-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	360.15 89.88	134.83
40 05 23 23-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	655.89 159.47	239.22
40 05 23 23-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	941.81 212.63	318.94
40 05 23 23-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,384.00 318.94	478.41
40 05 23 23-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,575.97 372.10	558.15
40 05 23 23-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,871.29 424.45	636.67
40 05 23 23-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,359.15 531.57	797.36
40 05 23 23-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,227.13 744.20	1,116.30
40 05 23 23-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,674.49 1,063.14	1,594.72
40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)		
40 05 23 23-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	119.08 32.61	48.92
40 05 23 23-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	143.82 40.03	60.05
40 05 23 23-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	160.31 44.98	67.46
40 05 23 23-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	183.51 51.29	76.94
40 05 23 23-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	193.91 55.06	82.58
40 05 23 23-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	211.43 60.05	90.07
40 05 23 23-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	271.52 71.95	107.93
40 05 23 23-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	323.28 90.17	135.26
40 05 23 23-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	369.90 101.20	151.81
40 05 23 23-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	553.63 134.94	202.40
40 05 23 23-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	970.69 212.63	318.94
40 05 23 23-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,612.67 318.94	478.41
40 05 23 23-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,006.95 398.68	598.01
40 05 23 23-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,672.18 479.10	718.65
40 05 23 23-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,374.31 584.45	876.68
40 05 23 23-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,361.45 744.20	1,116.30
40 05 23 23-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,645.38 979.21	1,468.82
40 05 23 23-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	8,634.32 1,468.40	2,232.60

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0613	Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)		
40 05 23 23-0614	EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	110.35 27.24	40.87
40 05 23 23-0615	EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	130.82 33.38	50.08
40 05 23 23-0616	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	167.54 37.51	56.26
40 05 23 23-0617	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	167.54 42.77	64.14
40 05 23 23-0618	EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	172.72 45.95	68.92
40 05 23 23-0619	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	208.66 50.08	75.12
40 05 23 23-0620	EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	234.76 60.03	90.04
40 05 23 23-0621	EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	307.46 75.02	112.54
40 05 23 23-0622	EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	417.75 85.73	128.58
40 05 23 23-0623	EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	711.94 132.89	199.33
40 05 23 23-0624	EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	1,292.02 177.19	265.79
40 05 23 23-0625	EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	1,867.91 265.79	398.68
40 05 23 23-0626	EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	2,141.80 319.31	478.96
40 05 23 23-0627	EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	2,647.70 389.50	584.25
40 05 23 23-0628	EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	3,413.43 496.13	744.20
40 05 23 23-0629	EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	4,811.13 652.81	979.21
40 05 23 23-0630	EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... For Work In Restricted Working Space, Add	7,501.53 991.39	1,487.08
40 05 23 23-0631	Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)		
40 05 23 23-0632	EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	90.32 24.77	37.16
40 05 23 23-0633	EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	99.15 27.00	40.50
40 05 23 23-0634	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	108.09 29.93	44.90
40 05 23 23-0635	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	117.00 32.62	48.93
40 05 23 23-0636	EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	126.94 36.02	54.03
40 05 23 23-0637	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	167.30 45.02	67.53
40 05 23 23-0638	EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	182.97 51.25	76.87
40 05 23 23-0639	EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	212.31 60.05	90.07
40 05 23 23-0640	EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	286.51 76.45	114.68
40 05 23 23-0641	EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	503.77 127.58	191.37
40 05 23 23-0642	EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	652.28 159.47	239.22
40 05 23 23-0643	EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	852.84 212.63	318.94
40 05 23 23-0644	EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	1,237.44 279.08	418.61
40 05 23 23-0645	EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	1,450.54 318.04	477.05
40 05 23 23-0646	EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	1,893.04 398.68	598.01
40 05 23 23-0647	EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	2,580.19 531.57	797.36
40 05 23 23-0648	EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... For Work In Restricted Working Space, Add	3,615.53 797.36	1,196.04
40 05 23 23-0649	EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	105.82 24.77	37.16
40 05 23 23-0650	EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	113.23 27.00	40.50
40 05 23 23-0651	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	128.95 29.93	44.90
40 05 23 23-0652	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	136.89 32.62	48.93
40 05 23 23-0653	EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	146.83 36.02	54.03
40 05 23 23-0654	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	179.27 45.02	67.53
40 05 23 23-0655	EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... For Work In Restricted Working Space, Add	222.93 51.25	76.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0656	EA		4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	245.23 60.05	90.07
40 05 23 23-0657	EA		6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	332.62 76.45	114.68
40 05 23 23-0658	EA		8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	545.96 127.58	191.37
40 05 23 23-0659	EA		10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	737.25 159.47	239.22
40 05 23 23-0660	EA		12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,003.38 212.63	318.94
40 05 23 23-0661	EA		14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,606.44 279.08	418.61
40 05 23 23-0662	EA		16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,822.96 318.04	477.05
40 05 23 23-0663	EA		18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,374.84 398.68	598.01
40 05 23 23-0664	EA		20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,093.36 531.57	797.36
40 05 23 23-0665	EA		24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,896.08 797.36	1,196.04
40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)					
40 05 23 23-0667	EA		1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	48.75 12.83	19.24
40 05 23 23-0668	EA		3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	52.25 13.62	20.42
40 05 23 23-0669	EA		1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	58.51 14.97	22.44
40 05 23 23-0670	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	66.14 16.31	24.47
40 05 23 23-0671	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	70.95 18.01	27.02
40 05 23 23-0672	EA		2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	74.19 20.04	30.06
40 05 23 23-0673	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	95.22 25.65	38.47
40 05 23 23-0674	EA		3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	110.22 30.06	45.09
40 05 23 23-0675	EA		4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	134.00 35.98	53.97
40 05 23 23-0676	EA		6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	182.61 45.02	67.53
40 05 23 23-0677	EA		8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	321.87 79.74	119.60
40 05 23 23-0678	EA		10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	430.41 106.31	159.47
40 05 23 23-0679	EA		12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	648.48 159.47	239.20
40 05 23 23-0680	EA		14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	745.99 186.05	279.08
40 05 23 23-0681	EA		16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	874.13 212.23	318.34
40 05 23 23-0682	EA		18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,097.23 265.79	398.68
40 05 23 23-0683	EA		20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,514.19 372.10	558.15
40 05 23 23-0684	EA		24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,244.36 531.57	797.36
40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)					
40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)					
40 05 23 23-0687	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	16.16 2.03	3.37
40 05 23 23-0688	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	19.13 2.48	4.12
40 05 23 23-0689	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	25.88 2.90	4.88
40 05 23 23-0690	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	31.47 3.63	6.08
40 05 23 23-0691	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.94 4.09	6.83
40 05 23 23-0692	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.20 5.07	8.48
40 05 23 23-0693	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	52.02 5.79	9.68
40 05 23 23-0694	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	61.83 6.52	10.88
40 05 23 23-0695	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	78.34 7.72	12.91
40 05 23 23-0696	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	115.91 10.14	16.95
40 05 23 23-0697	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	193.37 20.30	31.59
40 05 23 23-0698	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	251.46 22.33	34.73

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0699	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	303.35 24.81	38.62
40 05 23 23-0700	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	376.45 27.91	43.41
40 05 23 23-0701	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	413.06 31.90	49.62
40 05 23 23-0702	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	460.96 37.21	57.88
40 05 23 23-0703	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	648.69 44.65	69.45
40 05 23 23-0704	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	848.99 55.82	86.82
40 05 23 23-0705	Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows <small>(40 05 23 23-0685)</small>				
40 05 23 23-0706	EA	1/2"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	89.39 25.66	38.49
40 05 23 23-0707	EA	3/4"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	94.65 27.23	40.85
40 05 23 23-0708	EA	1"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	104.35 29.93	44.90
40 05 23 23-0709	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	114.23 32.62	48.93
40 05 23 23-0710	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	125.54 36.02	54.03
40 05 23 23-0711	EA	2"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	140.28 40.08	60.12
40 05 23 23-0712	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	182.59 51.29	76.94
40 05 23 23-0713	EA	3"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	214.82 60.12	90.18
40 05 23 23-0714	EA	4"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	263.07 71.95	107.93
40 05 23 23-0715	EA	6"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	361.56 89.88	134.83
40 05 23 23-0716	EA	8"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	645.63 159.47	239.22
40 05 23 23-0717	EA	10"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	957.57 212.63	318.94
40 05 23 23-0718	EA	12"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,436.27 318.94	478.41
40 05 23 23-0719	EA	14"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,675.82 372.10	558.15
40 05 23 23-0720	EA	16"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,989.61 424.45	636.67
40 05 23 23-0721	EA	18"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,503.60 531.57	797.36
40 05 23 23-0722	EA	20"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,497.45 744.20	1,116.30
40 05 23 23-0723	EA	24"	Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,027.18 1,063.14	1,594.72
40 05 23 23-0724	Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows <small>(40 05 23 23-0685)</small>				
40 05 23 23-0725	EA	1/2"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	90.45 25.66	38.49
40 05 23 23-0726	EA	3/4"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	95.71 27.23	40.85
40 05 23 23-0727	EA	1"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.40 29.93	44.90
40 05 23 23-0728	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	115.64 32.62	48.93
40 05 23 23-0729	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	125.54 36.02	54.03
40 05 23 23-0730	EA	2"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	140.28 40.08	60.12
40 05 23 23-0731	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.53 51.29	76.94
40 05 23 23-0732	EA	3"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	213.24 60.12	90.18
40 05 23 23-0733	EA	4"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	259.38 71.95	107.93
40 05 23 23-0734	EA	6"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	339.74 89.88	134.83
40 05 23 23-0735	EA	8"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	606.47 159.47	239.22
40 05 23 23-0736	EA	10"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	941.81 212.63	318.94
40 05 23 23-0737	EA	12"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,384.00 318.94	478.41
40 05 23 23-0738	EA	14"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,626.83 372.10	558.15
40 05 23 23-0739	EA	16"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,899.81 424.45	636.67
40 05 23 23-0740	EA	18"	Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,397.84 531.57	797.36

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23 40

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,402.43 744.20	1,116.30
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,900.62 1,063.14	1,594.72
40 05 23 23-0743		Type 316, Schedule 10 Stainless Steel Butt Weld Tees <small>(40 05 23 23-0685)</small>		
40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	120.67 32.61	48.92
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	145.41 40.03	60.05
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	161.90 44.98	67.46
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	185.95 51.29	76.94
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	196.55 55.06	82.58
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	213.55 60.05	90.07
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	259.55 71.95	107.93
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	325.40 90.17	135.26
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	373.77 101.20	151.81
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	548.35 134.94	202.40
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	947.31 212.63	318.94
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,472.38 318.94	478.41
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,890.04 398.68	598.01
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,412.19 479.10	718.65
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,856.33 584.45	876.68
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,631.02 744.20	1,116.30
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,886.49 979.21	1,468.82
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,027.98 1,488.40	2,232.60
40 05 23 23-0762		Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0685)</small>		
40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	113.51 27.24	40.87
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	135.04 33.38	50.08
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	164.46 37.51	56.26
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	169.65 42.77	64.14
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	180.28 45.95	68.92
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	242.79 50.08	75.12
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	238.99 60.03	90.04
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	320.48 75.02	112.54
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	448.20 85.73	128.58
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	881.31 132.89	199.33
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,584.37 177.19	265.79
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,090.11 265.79	398.68
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,385.61 319.31	478.96
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,953.04 389.50	584.25
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,811.61 496.13	744.20
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,407.41 652.81	979.21
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,451.21 991.39	1,487.08
40 05 23 23-0780		Type 316, Schedule 10 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0685)</small>		
40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	90.15 24.77	37.16
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	99.33 27.00	40.50

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-0783	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	110.78	44.90
	<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-0784	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	116.47	48.93
	<i>For Work In Restricted Working Space, Add</i>	32.62	
40 05 23 23-0785	EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	126.94	54.03
	<i>For Work In Restricted Working Space, Add</i>	36.02	
40 05 23 23-0786	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	166.56	67.53
	<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 23-0787	EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	193.53	76.87
	<i>For Work In Restricted Working Space, Add</i>	51.25	
40 05 23 23-0788	EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	213.57	90.07
	<i>For Work In Restricted Working Space, Add</i>	60.05	
40 05 23 23-0789	EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	293.73	114.68
	<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-0790	EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	482.90	191.37
	<i>For Work In Restricted Working Space, Add</i>	127.58	
40 05 23 23-0791	EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	622.07	239.22
	<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-0792	EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	831.94	318.94
	<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-0793	EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,168.94	418.61
	<i>For Work In Restricted Working Space, Add</i>	279.08	
40 05 23 23-0794	EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,353.79	477.05
	<i>For Work In Restricted Working Space, Add</i>	318.04	
40 05 23 23-0795	EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,679.09	598.01
	<i>For Work In Restricted Working Space, Add</i>	398.68	
40 05 23 23-0796	EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,345.28	797.36
	<i>For Work In Restricted Working Space, Add</i>	531.57	
40 05 23 23-0797	EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,426.65	1,196.04
	<i>For Work In Restricted Working Space, Add</i>	797.36	
40 05 23 23-0798	EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	103.83	37.16
	<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 23-0799	EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	115.58	40.50
	<i>For Work In Restricted Working Space, Add</i>	27.00	
40 05 23 23-0800	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	130.04	44.90
	<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-0801	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	139.00	48.93
	<i>For Work In Restricted Working Space, Add</i>	32.62	
40 05 23 23-0802	EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	140.85	54.03
	<i>For Work In Restricted Working Space, Add</i>	36.02	
40 05 23 23-0803	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	185.78	67.53
	<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 23-0804	EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	213.25	76.87
	<i>For Work In Restricted Working Space, Add</i>	51.25	
40 05 23 23-0805	EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	240.30	90.07
	<i>For Work In Restricted Working Space, Add</i>	60.05	
40 05 23 23-0806	EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	339.66	114.68
	<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-0807	EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	582.45	191.37
	<i>For Work In Restricted Working Space, Add</i>	127.58	
40 05 23 23-0808	EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	793.51	239.22
	<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-0809	EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,009.84	318.94
	<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-0810	EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,506.31	418.61
	<i>For Work In Restricted Working Space, Add</i>	279.08	
40 05 23 23-0811	EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,761.55	477.05
	<i>For Work In Restricted Working Space, Add</i>	318.04	
40 05 23 23-0812	EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,185.71	598.01
	<i>For Work In Restricted Working Space, Add</i>	398.68	
40 05 23 23-0813	EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,155.52	797.36
	<i>For Work In Restricted Working Space, Add</i>	531.57	
40 05 23 23-0814	EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,388.87	1,196.04
	<i>For Work In Restricted Working Space, Add</i>	797.36	
40 05 23 23-0815	Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816	EA 1/2", Type 316, Schedule 10 Stainless Steel Cap	50.51	19.24
	<i>For Work In Restricted Working Space, Add</i>	12.83	
40 05 23 23-0817	EA 3/4", Type 316, Schedule 10 Stainless Steel Cap	55.77	20.42
	<i>For Work In Restricted Working Space, Add</i>	13.62	
40 05 23 23-0818	EA 1", Type 316, Schedule 10 Stainless Steel Cap	61.15	22.44
	<i>For Work In Restricted Working Space, Add</i>	14.97	
40 05 23 23-0819	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap	66.84	24.47
	<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 23-0820	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap	72.36	27.02
	<i>For Work In Restricted Working Space, Add</i>	18.01	
40 05 23 23-0821	EA 2", Type 316, Schedule 10 Stainless Steel Cap	76.48	30.06
	<i>For Work In Restricted Working Space, Add</i>	20.04	
40 05 23 23-0822	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap	95.73	38.47
	<i>For Work In Restricted Working Space, Add</i>	25.65	
40 05 23 23-0823	EA 3", Type 316, Schedule 10 Stainless Steel Cap	113.21	45.09
	<i>For Work In Restricted Working Space, Add</i>	30.06	
40 05 23 23-0824	EA 4", Type 316, Schedule 10 Stainless Steel Cap	135.58	53.97
	<i>For Work In Restricted Working Space, Add</i>	35.98	
40 05 23 23-0825	EA 6", Type 316, Schedule 10 Stainless Steel Cap	176.10	67.53
	<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 23-0826	EA 8", Type 316, Schedule 10 Stainless Steel Cap	312.55	119.60
	<i>For Work In Restricted Working Space, Add</i>	79.74	

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23

Table with columns: MINOR CSI UOM DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various stainless steel pipe and fitting descriptions such as 'Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings', 'Type 316, Schedule 40 Stainless Steel Pipe', and 'Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows'.

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0869	EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	92.03 25.66	38.49
40 05 23 23-0870	EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	97.29 27.23	40.85
40 05 23 23-0871	EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	106.28 29.93	44.90
40 05 23 23-0872	EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	115.13 32.62	48.93
40 05 23 23-0873	EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	127.47 36.02	54.03
40 05 23 23-0874	EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.39 40.08	60.12
40 05 23 23-0875	EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	189.10 51.29	76.94
40 05 23 23-0876	EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	217.11 60.12	90.18
40 05 23 23-0877	EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	270.11 71.95	107.93
40 05 23 23-0878	EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	378.46 89.88	134.83
40 05 23 23-0879	EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	686.12 159.47	239.22
40 05 23 23-0880	EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,034.94 212.63	318.94
40 05 23 23-0881	EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,501.84 318.94	478.41
40 05 23 23-0882	EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,711.21 372.10	558.15
40 05 23 23-0883	EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,934.96 424.45	636.67
40 05 23 23-0884	EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,481.12 531.57	797.36
40 05 23 23-0885	EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,383.14 744.20	1,116.30
40 05 23 23-0886	EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,995.74 1,063.14	1,594.72
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)			
40 05 23 23-0888	EA 1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	121.72 32.61	48.92
40 05 23 23-0889	EA 3/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	146.46 40.03	60.05
40 05 23 23-0890	EA 1", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	162.95 44.98	67.46
40 05 23 23-0891	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	187.48 51.29	76.94
40 05 23 23-0892	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	196.55 55.06	82.58
40 05 23 23-0893	EA 2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	214.25 60.05	90.07
40 05 23 23-0894	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	265.82 71.95	107.93
40 05 23 23-0895	EA 3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	328.74 90.17	135.26
40 05 23 23-0896	EA 4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	379.58 101.20	151.81
40 05 23 23-0897	EA 6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	589.71 134.94	202.40
40 05 23 23-0898	EA 8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,053.57 212.63	318.94
40 05 23 23-0899	EA 10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,752.94 318.94	478.41
40 05 23 23-0900	EA 12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,159.01 398.68	598.01
40 05 23 23-0901	EA 14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,044.91 479.10	718.65
40 05 23 23-0902	EA 16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,768.10 584.45	876.68
40 05 23 23-0903	EA 18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,873.92 744.20	1,116.30
40 05 23 23-0904	EA 20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,338.59 979.21	1,468.82
40 05 23 23-0905	EA 24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,125.23 1,488.40	2,232.60
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)			
40 05 23 23-0907	EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	116.86 27.24	40.87
40 05 23 23-0908	EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	137.33 33.38	50.08
40 05 23 23-0909	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	178.54 37.51	56.26
40 05 23 23-0910	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	175.11 42.77	64.14
40 05 23 23-0911	EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	180.28 45.95	68.92

Process Interconnections 40
Common Work Results For Process Interconnections 40 05
Stainless Steel Process Pipe and Tubing 40 05 23

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

40 05 23 23-0912		EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	243.84 50.08	75.12
40 05 23 23-0913		EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	246.55 60.03	90.04
40 05 23 23-0914		EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	328.05 75.02	112.54
40 05 23 23-0915		EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	452.95 85.73	128.58
40 05 23 23-0916		EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	787.79 132.89	199.33
40 05 23 23-0917		EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,607.76 177.19	265.79
40 05 23 23-0918		EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,136.87 265.79	398.68
40 05 23 23-0919		EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,436.91 319.31	478.96
40 05 23 23-0920		EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,017.30 389.50	584.25
40 05 23 23-0921		EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,895.40 496.13	744.20
40 05 23 23-0922		EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,532.90 652.81	979.21
40 05 23 23-0923		EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	8,651.07 991.39	1,487.08

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0934)

40 05 23 23-0925		EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	92.96	37.16
		<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 23-0926		EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	102.14	40.50
		<i>For Work In Restricted Working Space, Add</i>	27.00	
40 05 23 23-0927		EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	112.06	44.90
		<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-0928		EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	119.64	48.93
		<i>For Work In Restricted Working Space, Add</i>	32.62	
40 05 23 23-0929		EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	128.88	54.03
		<i>For Work In Restricted Working Space, Add</i>	36.02	
40 05 23 23-0930		EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	172.75	67.53
		<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 23-0931		EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	186.67	76.87
		<i>For Work In Restricted Working Space, Add</i>	51.25	
40 05 23 23-0932		EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	216.01	90.07
		<i>For Work In Restricted Working Space, Add</i>	60.05	
40 05 23 23-0933		EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	294.96	114.68
		<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-0934		EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	519.73	191.37
		<i>For Work In Restricted Working Space, Add</i>	127.58	
40 05 23 23-0935		EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	691.44	239.22
		<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-0936		EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	881.74	318.94
		<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-0937		EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,263.80	418.61
		<i>For Work In Restricted Working Space, Add</i>	279.08	
40 05 23 23-0938		EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,454.74	477.05
		<i>For Work In Restricted Working Space, Add</i>	318.04	
40 05 23 23-0939		EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,931.26	598.01
		<i>For Work In Restricted Working Space, Add</i>	398.68	
40 05 23 23-0940		EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,615.01	797.36
		<i>For Work In Restricted Working Space, Add</i>	531.57	
40 05 23 23-0941		EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,767.25	1,196.04
		<i>For Work In Restricted Working Space, Add</i>	797.36	
40 05 23 23-0942		EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	112.85	37.16
		<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 23-0943		EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	120.27	40.50
		<i>For Work In Restricted Working Space, Add</i>	27.00	
40 05 23 23-0944		EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	139.19	44.90
		<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-0945		EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	144.46	48.93
		<i>For Work In Restricted Working Space, Add</i>	32.62	
40 05 23 23-0946		EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	155.28	54.03
		<i>For Work In Restricted Working Space, Add</i>	36.02	
40 05 23 23-0947		EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	185.78	67.53
		<i>For Work In Restricted Working Space, Add</i>	45.02	
40 05 23 23-0948		EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	237.53	76.87
		<i>For Work In Restricted Working Space, Add</i>	51.25	
40 05 23 23-0949		EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	259.66	90.07
		<i>For Work In Restricted Working Space, Add</i>	60.05	
40 05 23 23-0950		EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	366.59	114.68
		<i>For Work In Restricted Working Space, Add</i>	76.45	
40 05 23 23-0951		EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	573.33	191.37
		<i>For Work In Restricted Working Space, Add</i>	127.58	
40 05 23 23-0952		EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	809.29	239.22
		<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-0953		EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,117.43	318.94
		<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-0954		EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,659.79	418.61
		<i>For Work In Restricted Working Space, Add</i>	279.08	
40 05 23 23-0955		EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,910.62	477.05
		<i>For Work In Restricted Working Space, Add</i>	318.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0956	EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,554.44 398.68	598.01
40 05 23 23-0957	EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,293.03 531.57	797.36
40 05 23 23-0958	EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,937.01 797.36	1,196.04
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0934)			
40 05 23 23-0960	EA 1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	50.87 12.83	19.24
40 05 23 23-0961	EA 3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	55.60 13.62	20.42
40 05 23 23-0962	EA 1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	61.51 14.97	22.44
40 05 23 23-0963	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	70.10 16.31	24.47
40 05 23 23-0964	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	69.72 18.01	27.02
40 05 23 23-0965	EA 2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	78.94 20.04	30.06
40 05 23 23-0966	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	98.93 25.65	38.47
40 05 23 23-0967	EA 3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	113.74 30.06	45.09
40 05 23 23-0968	EA 4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	139.46 35.98	53.97
40 05 23 23-0969	EA 6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	192.29 45.02	67.53
40 05 23 23-0970	EA 8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	342.97 79.74	119.60
40 05 23 23-0971	EA 10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	459.68 106.31	159.47
40 05 23 23-0972	EA 12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	685.92 159.47	239.20
40 05 23 23-0973	EA 14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	783.88 186.05	279.08
40 05 23 23-0974	EA 16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	882.36 212.23	318.34
40 05 23 23-0975	EA 18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,124.10 265.79	398.68
40 05 23 23-0976	EA 20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,547.78 372.10	558.15
40 05 23 23-0977	EA 24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,373.12 531.57	797.36
40 05 23 23-0978 Valves (40 05 23 23-0231)			
40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)			
40 05 23 23-0980	EA 1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	479.71 14.41 -115.47 405.78	38.42
40 05 23 23-0981	EA 3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	520.71 16.81 -124.30 436.79	40.03
40 05 23 23-0982	EA 1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	640.88 22.66 -151.23 531.44	60.04
40 05 23 23-0983	EA 1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	809.13 26.10 -193.17 678.79	70.04
40 05 23 23-0984	EA 1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	910.70 33.06 -214.13 752.46	88.17
40 05 23 23-0985	EA 2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,080.74 40.03 -253.41 890.48	106.71
40 05 23 23-0986	EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,558.86 43.66 1,328.52	116.08
40 05 23 23-0987	EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,754.90 51.10 1,489.51	136.09
40 05 23 23-0988	EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,312.96 85.77 1,905.44	228.15
40 05 23 23-0989	EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,885.04 108.46 3,312.10	288.19
40 05 23 23-0990	EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,520.62 137.23 7,579.39	368.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0991	EA	10" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,019.76 168.11 10,771.84	448.29
40 05 23	23-0992	EA	12" Gate Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,119.05 203.77 16,393.43	544.35
40 05 23 23-0993 Globe Valves, Class 150 (40 05 23 23-0978)					
40 05 23	23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	657.84 14.41 -163.12 573.22	38.42
40 05 23	23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	727.71 16.81 -179.67 631.37	40.03
40 05 23	23-0996	EA	1" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	906.27 22.66 -222.23 780.91	60.04
40 05 23	23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,347.50 33.06 -330.98 1,163.05	88.17
40 05 23	23-0998	EA	2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,644.68 40.03 -404.26 1,420.58	106.71
40 05 23	23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,327.15 43.66 2,990.71	116.08
40 05 23	23-1000	EA	3" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,440.31 51.10 3,073.79	136.09
40 05 23	23-1001	EA	4" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,086.14 85.77 3,572.23	228.15
40 05 23	23-1002	EA	6" Globe Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,564.32 108.46 6,770.62	288.19
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)					
40 05 23	23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,491.04 43.66 1,264.77	116.08
40 05 23	23-1005	EA	3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,557.77 51.10 1,304.20	136.09
40 05 23	23-1006	EA	4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,445.19 85.77 2,029.73	228.15
40 05 23	23-1007	EA	6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,220.69 108.46 3,627.61	288.19
40 05 23	23-1008	EA	8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,440.66 137.23 6,564.23	368.24
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)					
40 05 23	23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	62.99 15.50	23.24
40 05 23	23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	83.04 20.66	30.98
40 05 23	23-1012	EA	1", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	102.27 25.62	38.42
40 05 23	23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	147.03 36.25	54.37
40 05 23	23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	162.46 40.88	61.32
40 05 23	23-1015	EA	2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	202.91 51.92	77.89
40 05 23	23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	366.90 80.05	120.08
40 05 23	23-1017	EA	3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	493.19 102.20	153.29
40 05 23	23-1018	EA	4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	652.58 128.08	192.12
40 05 23 23-1019 Stainless Steel Flanges (40 05 23 23-0231)					
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)					
40 05 23	23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	47.09 7.75	12.92
40 05 23	23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	58.06 10.33	17.22

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1023	EA	1"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	69.17 12.81	21.35
40 05 23 23-1024	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	93.98 18.12	30.21
40 05 23 23-1025	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	101.70 20.44	34.07
40 05 23 23-1026	EA	2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	130.52 25.97	43.26
40 05 23 23-1027	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	194.87 40.03	66.68
40 05 23 23-1028	EA	3"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	234.61 51.10	136.09
40 05 23 23-1029	EA	4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	301.40 64.04	106.71
40 05 23 23-1030			300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1031	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	59.39 7.75	12.92
40 05 23 23-1032	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	68.00 10.33	17.22
40 05 23 23-1033	EA	1"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	76.26 12.81	21.35
40 05 23 23-1034	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	111.95 18.12	30.21
40 05 23 23-1035	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	119.67 20.44	34.07
40 05 23 23-1036	EA	2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	148.95 25.97	43.26
40 05 23 23-1037	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	236.00 40.03	66.68
40 05 23 23-1038	EA	3"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	276.68 51.10	136.09
40 05 23 23-1039	EA	4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	366.16 64.04	106.71
40 05 23 23-1040			150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1041	EA	1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	64.04 12.83	19.23
40 05 23 23-1042	EA	3/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	69.02 13.62	20.42
40 05 23 23-1043	EA	1"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	77.30 14.97	22.44
40 05 23 23-1044	EA	1-1/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	93.66 16.32	24.48
40 05 23 23-1045	EA	1-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	99.23 17.99	26.99
40 05 23 23-1046	EA	2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	110.31 20.04	30.07
40 05 23 23-1047	EA	2-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	151.15 25.63	38.44
40 05 23 23-1048	EA	3"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	171.88 30.01	45.01
40 05 23 23-1049	EA	4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	220.06 35.95	53.93
40 05 23 23-1050	EA	6"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	322.75 44.92	67.38
40 05 23 23-1051	EA	8"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	558.86 79.74	119.60
40 05 23 23-1052	EA	10"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	786.89 106.31	159.46
40 05 23 23-1053	EA	12"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,206.57 159.47	239.20
40 05 23 23-1054	EA	14"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,497.33 186.05	279.08
40 05 23 23-1055	EA	16"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,852.05 212.23	318.34
40 05 23 23-1056	EA	18"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,276.43 265.79	398.68
40 05 23 23-1057	EA	20"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,972.66 372.10	558.15
40 05 23 23-1058	EA	24"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,226.78 531.57	797.36
40 05 23 23-1059			300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1060	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	78.70 12.83	19.23
40 05 23 23-1061	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	81.32 13.62	20.42
40 05 23 23-1062	EA	1"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	85.82 14.97	22.44
40 05 23 23-1063	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	110.18 16.32	24.48
40 05 23 23-1064	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	115.75 17.99	26.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1065	EA		2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	124.49 20.04	30.07
40 05 23 23-1066	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	175.72 25.63	38.44
40 05 23 23-1067	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	199.29 30.01	45.01
40 05 23 23-1068	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	284.33 35.95	53.93
40 05 23 23-1069	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	395.54 44.92	67.38
40 05 23 23-1070	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	740.37 79.74	119.60
40 05 23 23-1071	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,026.56 106.31	159.46
40 05 23 23-1072	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,511.01 159.47	239.20
40 05 23 23-1073	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,978.57 186.05	279.08
40 05 23 23-1074	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,427.56 212.23	318.34
40 05 23 23-1075	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,095.94 265.79	398.68
40 05 23 23-1076	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,021.19 372.10	558.15
40 05 23 23-1077	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,846.18 531.57	797.36
40 05 23 23-1078			150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1079	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	104.43 25.66	38.48
40 05 23 23-1080	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	110.17 27.23	40.84
40 05 23 23-1081	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	121.04 29.93	44.90
40 05 23 23-1082	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	137.66 32.65	48.97
40 05 23 23-1083	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	148.79 35.99	53.97
40 05 23 23-1084	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	170.98 40.09	60.12
40 05 23 23-1085	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	223.34 51.26	76.89
40 05 23 23-1086	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	256.32 60.02	90.01
40 05 23 23-1087	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	316.29 71.91	107.87
40 05 23 23-1088	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	416.23 89.84	134.75
40 05 23 23-1089	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	752.34 159.47	239.20
40 05 23 23-1090	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,051.46 212.63	318.94
40 05 23 23-1091	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,569.40 318.94	478.41
40 05 23 23-1092			300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1093	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	113.88 25.66	38.48
40 05 23 23-1094	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	119.14 27.23	40.84
40 05 23 23-1095	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	128.13 29.93	44.90
40 05 23 23-1096	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	152.32 32.65	48.97
40 05 23 23-1097	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	163.45 35.99	53.97
40 05 23 23-1098	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	180.89 40.09	60.12
40 05 23 23-1099	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	260.23 51.26	76.89
40 05 23 23-1100	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	293.18 60.02	90.01
40 05 23 23-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	367.33 71.91	107.87
40 05 23 23-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	560.41 89.84	134.75
40 05 23 23-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	897.92 159.47	239.20
40 05 23 23-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,285.92 212.63	318.94
40 05 23 23-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,870.99 318.94	478.41
40 05 23 23-1106			150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-1107	EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	37.28 5.13	7.69
40 05 23 23-1108	EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	38.94 5.45	8.17
40 05 23 23-1109	EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	42.18 5.99	8.97
40 05 23 23-1110	EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	53.89 6.66	10.00
40 05 23 23-1111	EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	61.69 9.00	13.51
40 05 23 23-1112	EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	72.57 10.00	14.99
40 05 23 23-1113	EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	98.61 12.85	19.28
40 05 23 23-1114	EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	121.47 18.01	27.01
40 05 23 23-1115	EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	186.05 30.00	45.00
40 05 23 23-1116	EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	254.33 38.58	57.87
40 05 23 23-1117	EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	395.59 49.61	74.42
40 05 23 23-1118	EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	598.35 59.54	89.30
40 05 23 23-1119	EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	789.30 74.42	111.63
40 05 23 23-1120	EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,002.45 93.03	139.54
40 05 23 23-1121	EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,285.16 106.11	159.16
40 05 23 23-1122	EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,523.87 132.90	199.33
40 05 23 23-1123	EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,029.80 186.05	279.08
40 05 23 23-1124	EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,953.07 265.79	398.68

40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)

40 05 23 23-1126	EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	46.90 5.13	7.69
40 05 23 23-1127	EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	47.94 5.45	8.17
40 05 23 23-1128	EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	49.74 5.99	8.97
40 05 23 23-1129	EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	62.87 6.66	10.00
40 05 23 23-1130	EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	70.67 9.00	13.51
40 05 23 23-1131	EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	77.29 10.00	14.99
40 05 23 23-1132	EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	131.70 12.85	19.28
40 05 23 23-1133	EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	152.43 18.01	27.01
40 05 23 23-1134	EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	224.80 30.00	45.00
40 05 23 23-1135	EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	414.09 38.58	57.87
40 05 23 23-1136	EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	586.55 49.61	74.42
40 05 23 23-1137	EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	830.90 59.54	89.30
40 05 23 23-1138	EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,146.18 74.42	111.63
40 05 23 23-1139	EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,597.69 93.03	139.54
40 05 23 23-1140	EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,036.67 106.11	159.16
40 05 23 23-1141	EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,654.89 132.90	199.33
40 05 23 23-1142	EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,371.68 186.05	279.08
40 05 23 23-1143	EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,160.15 265.79	398.68

40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)

40 05 23 23-1145	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	55.61 7.75	12.92
40 05 23 23-1146	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	68.95 10.33	17.22
40 05 23 23-1147	EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	79.55 12.81	21.35
40 05 23 23-1148	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	109.57 18.12	30.21
40 05 23 23-1149	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	117.29 20.44	34.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1150	EA		2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	147.55 25.97	43.26
40 05 23 23-1151	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	219.46 40.03	66.68
40 05 23 23-1152	EA		3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	266.29 51.10	136.09
40 05 23 23-1153	EA		4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	345.82 64.04	106.71
40 05 23 23-1154			300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1155	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	71.68 7.75	12.92
40 05 23 23-1156	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	80.29 10.33	17.22
40 05 23 23-1157	EA		1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	88.55 12.81	21.35
40 05 23 23-1158	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	135.59 18.12	30.21
40 05 23 23-1159	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	143.31 20.44	34.07
40 05 23 23-1160	EA		2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	169.75 25.97	43.26
40 05 23 23-1161	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	282.80 40.03	66.68
40 05 23 23-1162	EA		3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	324.42 51.10	136.09
40 05 23 23-1163	EA		4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	442.25 64.04	106.71
40 05 23 23-1164			150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1165	EA		1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	74.90 12.83	19.23
40 05 23 23-1166	EA		3/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	79.91 13.62	20.42
40 05 23 23-1167	EA		1", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	89.59 14.97	22.44
40 05 23 23-1168	EA		1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	109.72 16.32	24.48
40 05 23 23-1169	EA		1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	115.29 17.99	26.99
40 05 23 23-1170	EA		2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	126.85 20.04	30.07
40 05 23 23-1171	EA		2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	179.01 25.63	38.44
40 05 23 23-1172	EA		3", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	196.92 30.01	45.01
40 05 23 23-1173	EA		4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	262.60 35.95	53.93
40 05 23 23-1174	EA		6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	396.49 44.92	67.38
40 05 23 23-1175	EA		8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	672.78 79.74	119.60
40 05 23 23-1176	EA		10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	976.92 106.31	159.46
40 05 23 23-1177	EA		12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,457.60 159.47	239.20
40 05 23 23-1178	EA		14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,705.23 186.05	279.08
40 05 23 23-1179	EA		16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,123.35 212.23	318.34
40 05 23 23-1180	EA		18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,606.00 265.79	398.68
40 05 23 23-1181	EA		20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,383.26 372.10	558.15
40 05 23 23-1182	EA		24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,808.63 531.57	797.36
40 05 23 23-1183			300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1184	EA		1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	92.88 12.83	19.23
40 05 23 23-1185	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	95.50 13.62	20.42
40 05 23 23-1186	EA		1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	100.00 14.97	22.44
40 05 23 23-1187	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	129.59 16.32	24.48
40 05 23 23-1188	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	135.16 17.99	26.99
40 05 23 23-1189	EA		2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	148.12 20.04	30.07
40 05 23 23-1190	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	216.38 25.63	38.44
40 05 23 23-1191	EA		3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	237.58 30.01	45.01

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 23 23-1192	EA	4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	355.23	53.93
		<i>For Work In Restricted Working Space, Add</i>	35.95	
40 05 23 23-1193	EA	6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	570.91	67.38
		<i>For Work In Restricted Working Space, Add</i>	44.92	
40 05 23 23-1194	EA	8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	919.54	119.60
		<i>For Work In Restricted Working Space, Add</i>	79.74	
40 05 23 23-1195	EA	10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,316.78	159.46
		<i>For Work In Restricted Working Space, Add</i>	106.31	
40 05 23 23-1196	EA	12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	1,937.36	239.20
		<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-1197	EA	14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	2,598.69	279.08
		<i>For Work In Restricted Working Space, Add</i>	186.05	
40 05 23 23-1198	EA	16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	3,212.81	318.34
		<i>For Work In Restricted Working Space, Add</i>	212.23	
40 05 23 23-1199	EA	18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	4,104.82	398.68
		<i>For Work In Restricted Working Space, Add</i>	265.79	
40 05 23 23-1200	EA	20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	5,290.67	558.15
		<i>For Work In Restricted Working Space, Add</i>	372.10	
40 05 23 23-1201	EA	24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange	7,706.10	797.36
		<i>For Work In Restricted Working Space, Add</i>	531.57	
40 05 23 23-1202		150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1203	EA	1/2", 150#, Type 316 Stainless Steel Slip-On Flange	110.11	38.48
		<i>For Work In Restricted Working Space, Add</i>	25.66	
40 05 23 23-1204	EA	3/4", 150#, Type 316 Stainless Steel Slip-On Flange	118.69	40.84
		<i>For Work In Restricted Working Space, Add</i>	27.23	
40 05 23 23-1205	EA	1", 150#, Type 316 Stainless Steel Slip-On Flange	130.81	44.90
		<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-1206	EA	1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange	173.28	48.97
		<i>For Work In Restricted Working Space, Add</i>	32.65	
40 05 23 23-1207	EA	1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	160.13	53.97
		<i>For Work In Restricted Working Space, Add</i>	35.99	
40 05 23 23-1208	EA	2", 150#, Type 316 Stainless Steel Slip-On Flange	173.80	60.12
		<i>For Work In Restricted Working Space, Add</i>	40.09	
40 05 23 23-1209	EA	2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange	221.46	76.89
		<i>For Work In Restricted Working Space, Add</i>	51.26	
40 05 23 23-1210	EA	3", 150#, Type 316 Stainless Steel Slip-On Flange	272.39	90.01
		<i>For Work In Restricted Working Space, Add</i>	60.02	
40 05 23 23-1211	EA	4", 150#, Type 316 Stainless Steel Slip-On Flange	350.30	107.87
		<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 23-1212	EA	6", 150#, Type 316 Stainless Steel Slip-On Flange	466.80	134.75
		<i>For Work In Restricted Working Space, Add</i>	89.84	
40 05 23 23-1213	EA	8", 150#, Type 316 Stainless Steel Slip-On Flange	856.78	239.20
		<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-1214	EA	10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,194.22	318.94
		<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-1215	EA	12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,760.36	478.41
		<i>For Work In Restricted Working Space, Add</i>	318.94	
40 05 23 23-1216		300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1217	EA	1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange	123.34	38.48
		<i>For Work In Restricted Working Space, Add</i>	25.66	
40 05 23 23-1218	EA	3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	128.60	40.84
		<i>For Work In Restricted Working Space, Add</i>	27.23	
40 05 23 23-1219	EA	1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	137.59	44.90
		<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 23-1220	EA	1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	170.75	48.97
		<i>For Work In Restricted Working Space, Add</i>	32.65	
40 05 23 23-1221	EA	1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	181.88	53.97
		<i>For Work In Restricted Working Space, Add</i>	35.99	
40 05 23 23-1222	EA	2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	198.32	60.12
		<i>For Work In Restricted Working Space, Add</i>	40.09	
40 05 23 23-1223	EA	2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	301.34	76.89
		<i>For Work In Restricted Working Space, Add</i>	51.26	
40 05 23 23-1224	EA	3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	335.24	90.01
		<i>For Work In Restricted Working Space, Add</i>	60.02	
40 05 23 23-1225	EA	4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	432.55	107.87
		<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 23-1226	EA	6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	655.42	134.75
		<i>For Work In Restricted Working Space, Add</i>	89.84	
40 05 23 23-1227	EA	8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	995.77	239.20
		<i>For Work In Restricted Working Space, Add</i>	159.47	
40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	1,604.51	318.94
		<i>For Work In Restricted Working Space, Add</i>	212.63	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,151.76	478.41
		<i>For Work In Restricted Working Space, Add</i>	318.94	
40 05 23 23-1230		150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	41.70	7.69
		<i>For Work In Restricted Working Space, Add</i>	5.13	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	46.99	8.17
		<i>For Work In Restricted Working Space, Add</i>	5.45	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	53.04	8.97
		<i>For Work In Restricted Working Space, Add</i>	5.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1234	EA		1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	62.39 6.66	10.00
40 05 23 23-1235	EA		1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	70.19 9.00	13.51
40 05 23 23-1236	EA		2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	86.75 10.00	14.99
40 05 23 23-1237	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	120.83 12.85	19.28
40 05 23 23-1238	EA		3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	146.06 18.01	27.01
40 05 23 23-1239	EA		4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	227.64 30.00	45.00
40 05 23 23-1240	EA		6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	320.98 38.58	57.87
40 05 23 23-1241	EA		8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	554.87 49.61	74.42
40 05 23 23-1242	EA		10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	724.09 59.54	89.30
40 05 23 23-1243	EA		12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,151.87 74.42	111.63
40 05 23 23-1244	EA		14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,373.65 93.03	139.54
40 05 23 23-1245	EA		16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,784.55 106.11	159.16
40 05 23 23-1246	EA		18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,103.37 132.90	199.33
40 05 23 23-1247	EA		20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,785.56 186.05	279.08
40 05 23 23-1248	EA		24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,061.34 265.79	398.68
40 05 23 23-1249			300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1250	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	62.97 5.13	7.69
40 05 23 23-1251	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	64.01 5.45	8.17
40 05 23 23-1252	EA		1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	65.81 5.99	8.97
40 05 23 23-1253	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	97.39 6.66	10.00
40 05 23 23-1254	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	105.19 9.00	13.51
40 05 23 23-1255	EA		2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	116.52 10.00	14.99
40 05 23 23-1256	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	192.22 12.85	19.28
40 05 23 23-1257	EA		3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	214.12 18.01	27.01
40 05 23 23-1258	EA		4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	328.79 30.00	45.00
40 05 23 23-1259	EA		6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	591.37 38.58	57.87
40 05 23 23-1260	EA		8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	769.97 49.61	74.42
40 05 23 23-1261	EA		10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,364.11 59.54	89.30
40 05 23 23-1262	EA		12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,664.74 74.42	111.63
40 05 23 23-1263	EA		14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,394.16 93.03	139.54
40 05 23 23-1264	EA		16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,077.70 106.11	159.16
40 05 23 23-1265	EA		18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,023.09 132.90	199.33
40 05 23 23-1266	EA		20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,073.68 186.05	279.08
40 05 23 23-1267	EA		24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	7,804.02 265.79	398.68
40 05 23 23-1268			Type 316 Seamless Annealed Tubing (40 05 23 23) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 23-1269			Type 316 Seamless Annealed Tubing (40 05 23 23-1268)		
40 05 23 23-1270	LF		3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	15.65	
40 05 23 23-1271	LF		1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	19.58	
40 05 23 23-1272	LF		3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	23.70	
40 05 23 23-1273			Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	50.77	
40 05 23 23-1275	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	57.41	
40 05 23 23-1276	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	88.30	
40 05 23 23-1277	EA		3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	45.53	
40 05 23 23-1278	EA		3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	75.13	
40 05 23 23-1279	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	55.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1280	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	70.70	
40 05 23 23-1281	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	108.96	
40 05 23 23-1282	EA		1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	69.53	
40 05 23 23-1283	EA		1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	106.92	
40 05 23 23-1284	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.29	
40 05 23 23-1285	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	87.54	
40 05 23 23-1286	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	145.61	
40 05 23 23-1287	EA		3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	120.64	
40 05 23 23-1288	EA		3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	148.21	
40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1289)					
40 05 23 23-1290 Needle Valves (40 05 23 23-1290)					
40 05 23 23-1291	EA		3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	283.49	
40 05 23 23-1292	EA		1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	452.54	
40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1293)					
40 05 23 23-1294	EA		1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	272.20	
40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 23-1295)					
40 05 23 23-1296	EA		1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,143.44	
40 05 23 23-1297	EA		1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	283.32	
40 05 23 23-1298	EA		Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	52.71	
40 05 71 Solids Handling Valves (40 05)					
40 05 71 16 Flap Gates (40 05 71)					
40 05 71 16-0001 Cast Iron, Flap Valves (40 05 71 16)					
40 05 71 16-0002	EA		3" Cast Iron, Flap Valve (Troy A25406/04-03).....	444.85	70.58
40 05 71 16-0003	EA		4" Cast Iron, Flap Valve (Troy A25406/04)	555.33	118.48
40 05 71 16-0004	EA		6" Cast Iron, Flap Valve (Troy A25406/06)	646.14	148.52
40 05 71 16-0005	EA		8" Cast Iron, Flap Valve (Troy A25406/08)	948.91	187.92
40 05 71 16-0006	EA		10" Cast Iron, Flap Valve (Troy A25406/10)	1,246.37	230.20
40 05 71 16-0007	EA		12" Cast Iron, Flap Valve (Troy A25406/12)	1,434.40	279.03
40 05 71 16-0008	EA		14" Cast Iron, Flap Valve (Troy A25406/14)	2,820.18	408.88
40 05 71 16-0009	EA		16" Cast Iron, Flap Valve (Troy A25406/16)	3,975.60	899.54
40 05 71 16-0010	EA		18" Cast Iron, Flap Valve (Troy A25406/18)	3,944.41	498.83
40 05 71 16-0011	EA		20" Cast Iron, Flap Valve (Troy A25406/20)	4,810.93	562.21
40 05 71 16-0012	EA		24" Cast Iron, Flap Valve (Troy A25406/24)	6,204.95	689.99
40 05 71 16-0013	EA		30" Cast Iron, Flap Valve (Troy A25406/30)	12,607.68	1,086.32
40 05 71 23 Mud Valves (40 05 71)					
40 05 71 23-0001 Cast Iron, Non Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0002	EA		3" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/03).....	626.20	47.06
40 05 71 23-0003	EA		4" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/04).....	709.72	78.99
40 05 71 23-0004	EA		6" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/06).....	773.05	99.02
40 05 71 23-0005	EA		8" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/08).....	1,004.35	125.28
40 05 71 23-0006	EA		10" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/10).....	1,508.77	153.46
40 05 71 23-0007	EA		12" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/12).....	1,770.45	186.02
40 05 71 23-0008	EA		14" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/14).....	3,403.52	272.58
40 05 71 23-0009	EA		16" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/16).....	4,536.84	599.69
40 05 71 23-0010	EA		18" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/18).....	4,540.89	332.56
40 05 71 23-0011	EA		20" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/20).....	5,021.76	374.81
40 05 71 23-0012	EA		24" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/24).....	6,368.45	459.99
40 05 71 23-0013	EA		30" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/30).....	9,867.89	724.22
40 05 71 23-0014 Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (40 05 71 23)					
40 05 71 23-0015	EA		4" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/04CSS).....	1,262.31	78.99
40 05 71 23-0016	EA		6" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/06CSS).....	1,567.72	99.02
40 05 71 23-0017	EA		8" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/08CSS).....	2,428.44	125.28
40 05 71 23-0018	EA		10" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/10CSS).....	2,941.86	153.46
40 05 71 23-0019	EA		12" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/12CSS).....	3,854.29	186.02
40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0021	EA		4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04).....	896.99	78.99
40 05 71 23-0022	EA		6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06).....	993.50	99.02
40 05 71 23-0023	EA		8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08).....	1,265.76	125.28
40 05 71 23-0024	EA		10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	1,967.33	153.46
40 05 71 23-0025	EA		12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	2,564.85	186.02
40 05 71 23-0026	EA		16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	4,708.63	599.69
40 05 71 23-0027	EA		18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	4,965.64	332.56
40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0029	EA		4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	1,488.44	78.99
40 05 71 23-0030	EA		6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	1,848.26	99.02

Table with 5 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include valve specifications and costs.

40 20 Liquids Process Piping (40)

40 23 Water and Wastewater Process Piping (40 20)

40 23 51 Water and Wastewater Process Valves (40 23)

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves (40 23 51)

Table listing valve specifications (e.g., 2" Lever Operated, 3" Lever Operated, 4" Handwheel Operated) and associated costs.

40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)

Table listing valve specifications (e.g., 2" Lever Operated, 3" Lever Operated, 4" Handwheel Operated) and associated costs for V-Type packing valves.

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 23 51 00-0194 Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves (40 23 51)				
40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	1,872.99	125.33
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,339.92	210.10
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,734.71	263.09
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,765.49	336.17
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,208.37	409.25
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	6,815.36	496.94
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	11,661.54	726.90
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	13,145.75	799.59
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	15,795.68	886.82
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	16,857.52	999.49
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	29,518.72	1,226.65
40 23 51 00-0206 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves (40 23 51)				
40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	6,515.02	125.33
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	6,787.30	210.10
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	8,897.43	263.09
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,407.95	336.17
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,111.36	409.25
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	18,800.23	496.94
40 23 51 00-0213 Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves (40 23 51)				
40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	1,572.30	125.33
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	1,836.29	210.10
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,845.09	263.09
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	3,153.63	336.17
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	3,785.49	409.25
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	5,423.39	496.94

END OF SECTION 40

40 Process Interconnections

40 20 Liquids Process Piping

40 23 Water and Wastewater Process Piping



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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